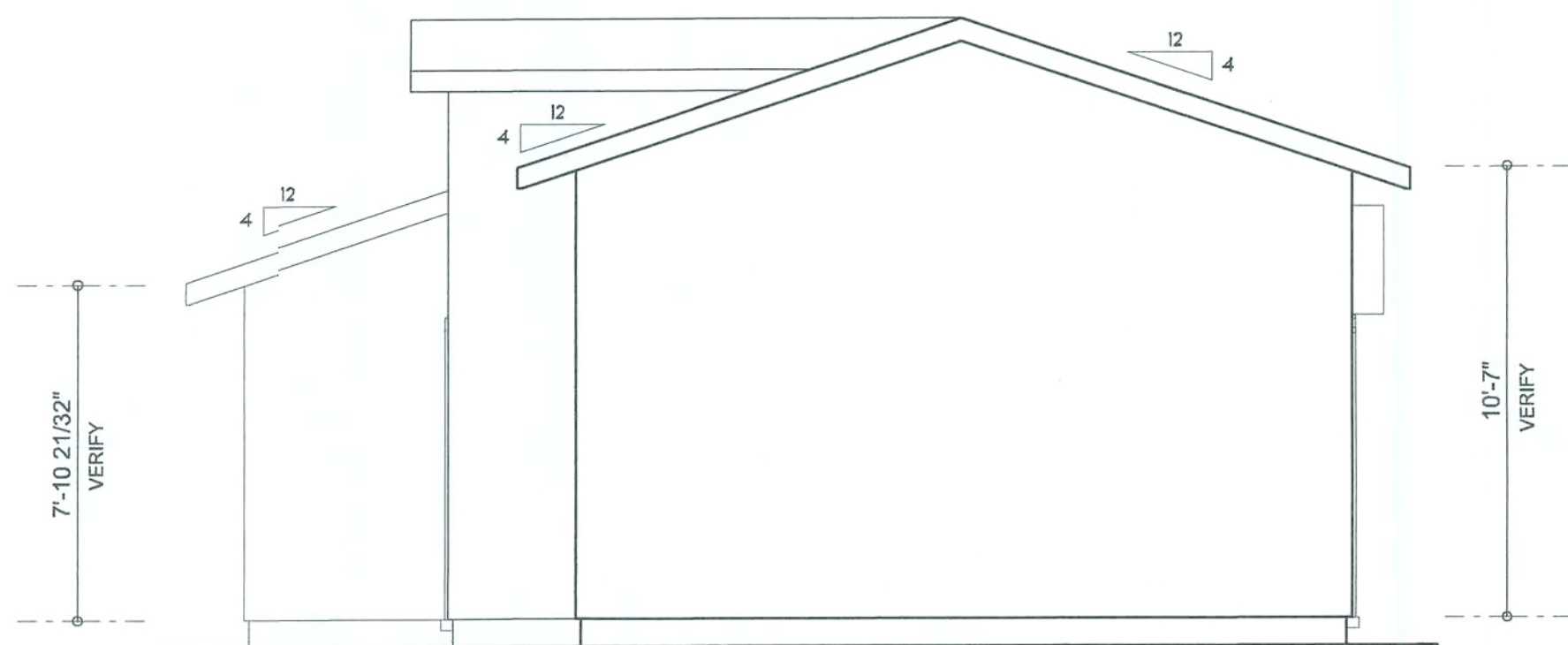
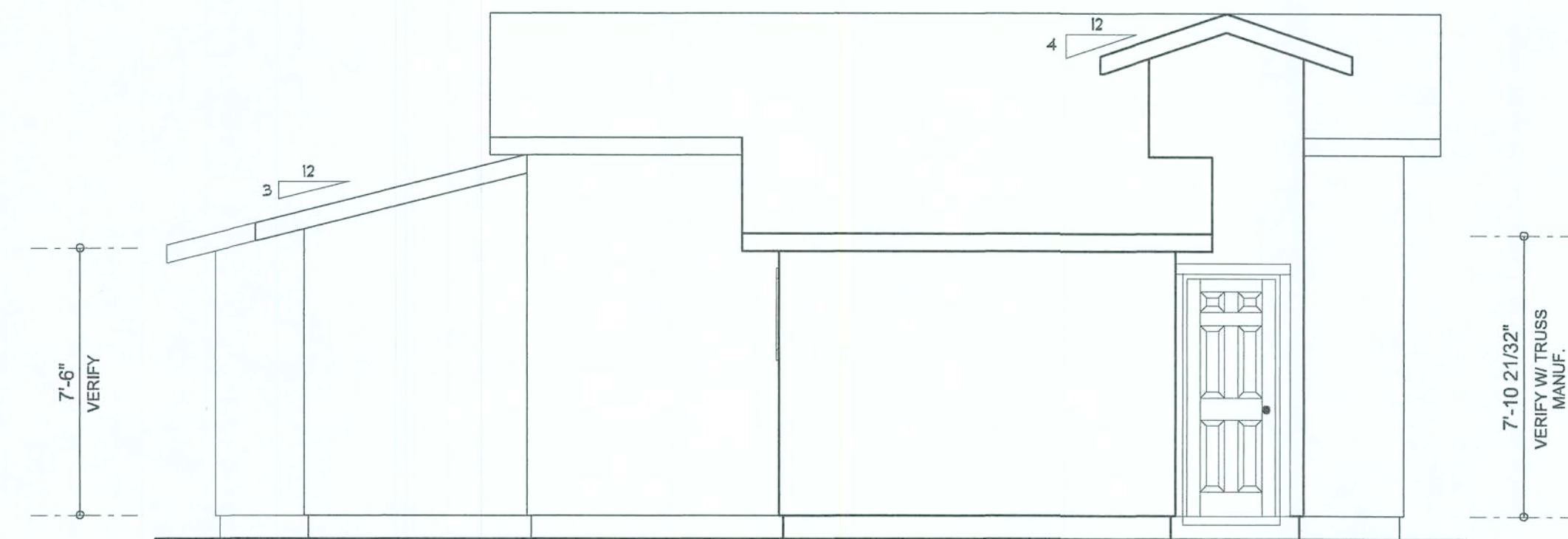
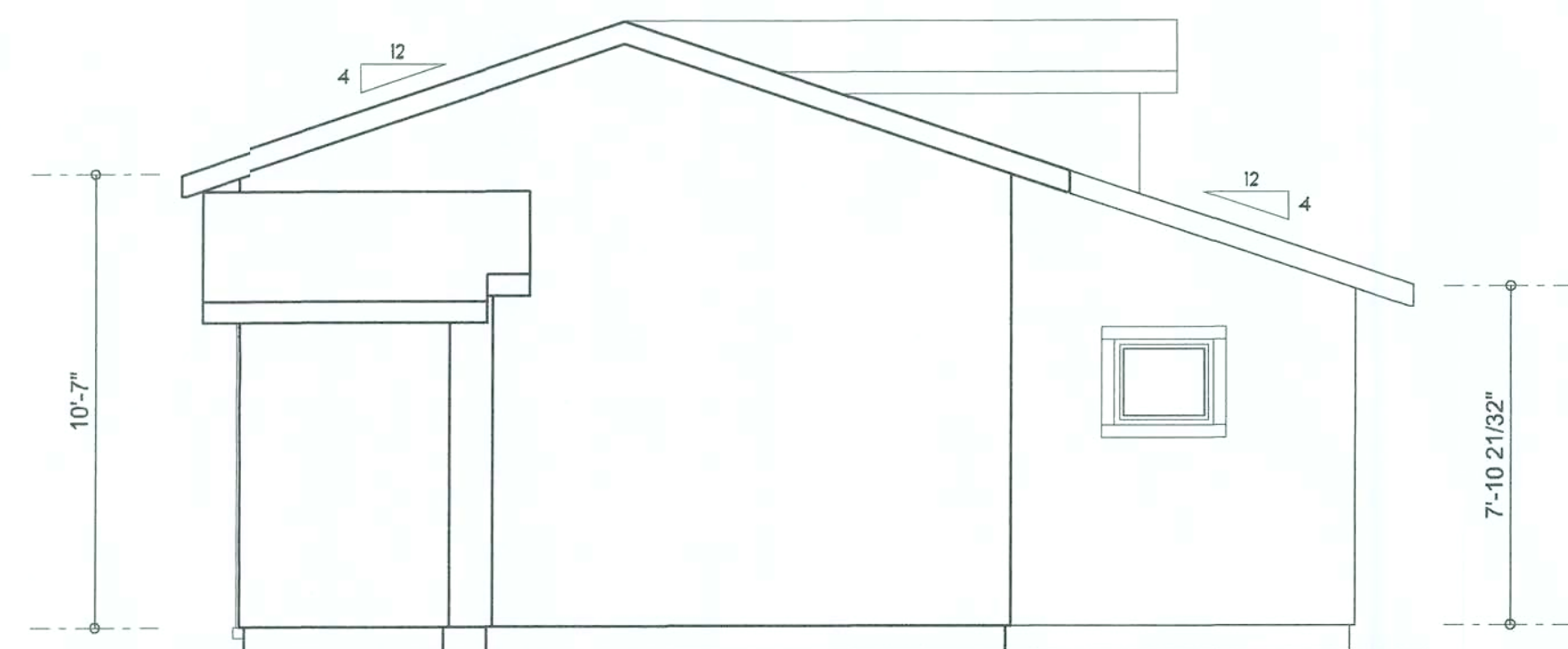




LEFT ELEVATION
SCALE: 1/4" = 1'-0"



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



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



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



NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

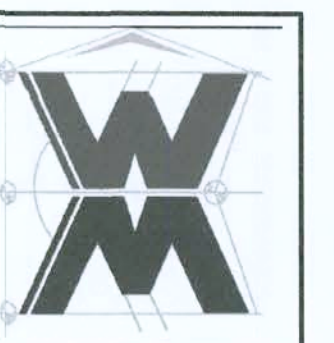
REVISIONS
December 19, 2019

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A NEW STUDIO FOR:
MICHAEL WOODS
PROJECT ADDRESS: 422 Steadley Drive, Lake City, Florida
SPARKS CONSTRUCTION, INC.
LAKE CITY, FLORIDA 32024

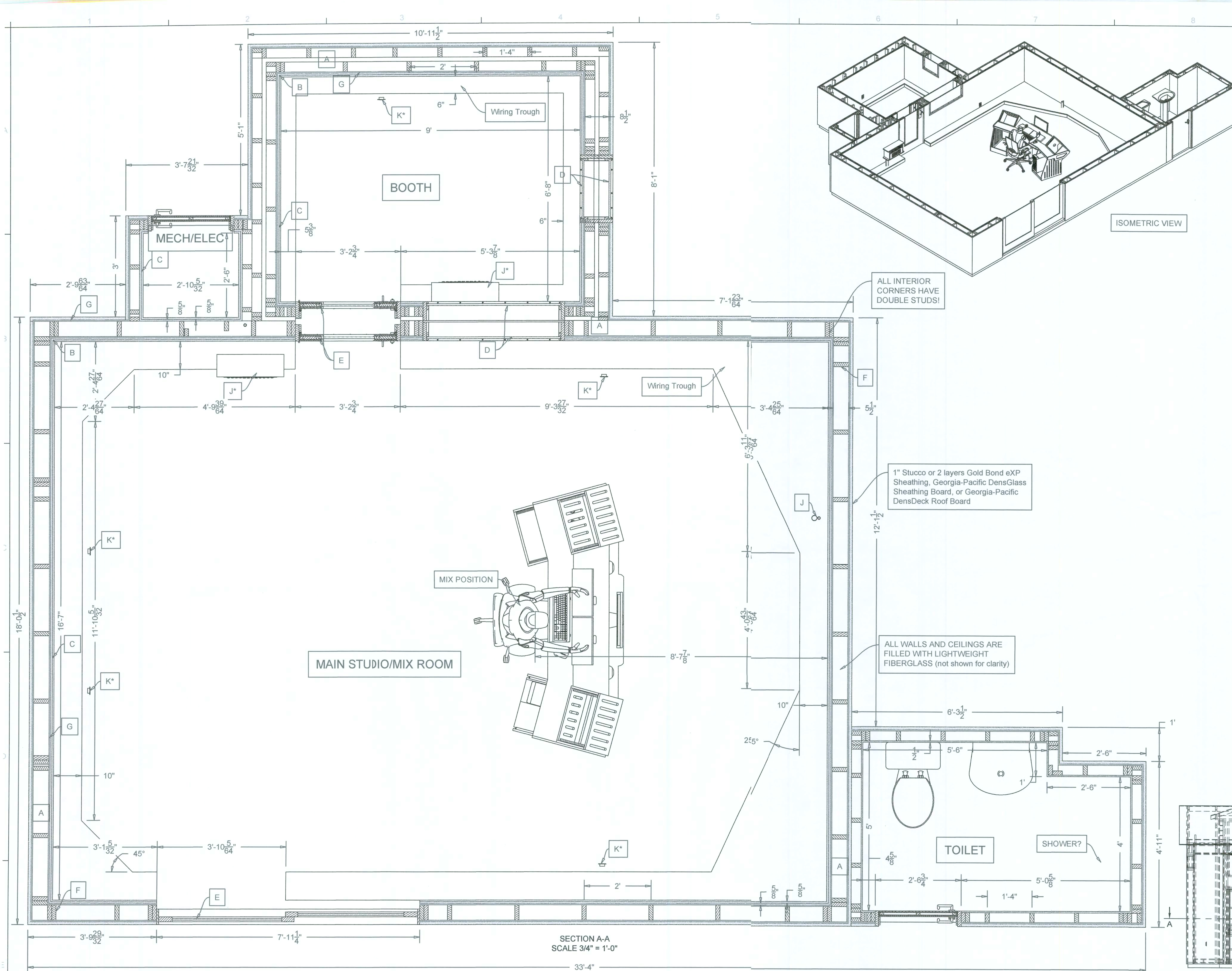
OWN DESIGN &
ASSOCIATES, INC.
4225W COMMERCE DR. STE 130
LAKE CITY, FL 32025
(386) 758-8406
will@willmyers.net



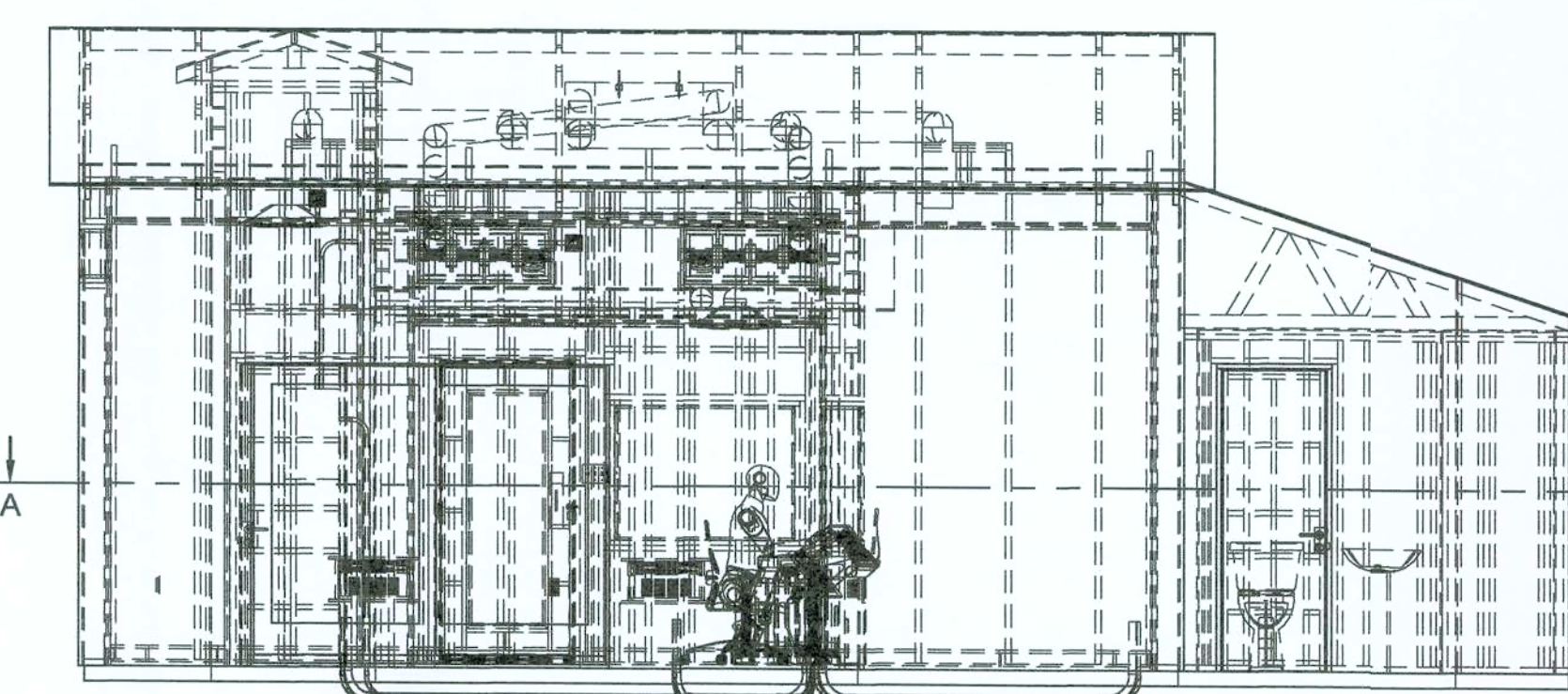
JOB NUMBER
20190709

SHEET NUMBER
A.1

Will C. Myers



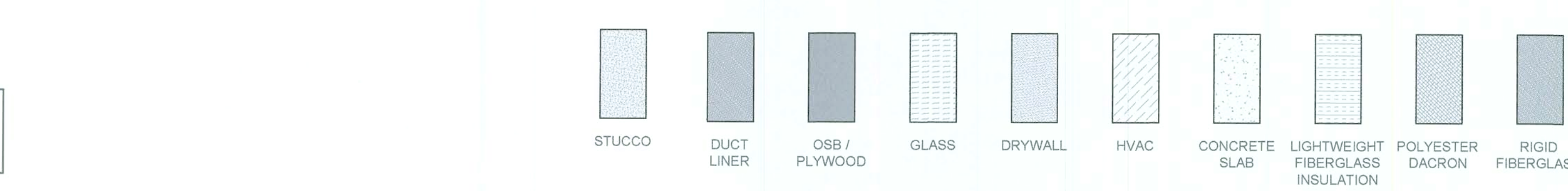
Structural Notes		
No.	Name	Description
A	Wall Cavity Insulation	Fill ALL walls and ceiling with LIGHTWEIGHT Fiberglass Insulation - Density .6 -.9 pcf
B	Caulk All perimeter joints - Use Backer Rod	Recommended Caulk/Sealants: Big Stretch, OSI SC-175, Soudaflex 14LM, Bostik Seal N Flex FC, etc. See: Dropbox Folder/ISOLATION/Gypsum Board Wall construction WITH WINDOW FRAMING.pdf, Gypsum Board Wall construction.pdf, and Wall - Ceiling backer rod and caulk details
C	5/8" or 16 mm Gypsum Board	Fermacell Firepanel A1, Fermacell Gypsum Fibreboards, Sheetrock® brand Firecode® Core 5/8" Type X Gypsum Panels or Firecode C Core 5/8" Type C Gypsum Panels, Knauf brand Fire Panel 16mm, or Soundshield Plus 16mm, or Similar. Avoid residential grade light-weight products. IMPORTANT - See IRC-IR-693.pdf, pages 39 - 62.
D	Window Glass - LAMINATED	Glazing to be single pane, 5/8" thick laminated or thicker. See window drawings and Building Studio Windows document. See: Dropbox Folder/TREATMENT/Building Studio Windows.pdf AND Dropbox Folder/ISOLATION/Window Construction example Imperial size-Arch L.pdf
E	Studio entry / exit door(s)	Dropbox Folder/ISOLATION/Building Studio Doors.pdf, Door Details and options.pdf, Door Lockset sealing.pdf, Sealing a standard lockset square bar type.pdf, Zerc Door Bottoms.pdf, and door with drop seal See also: Dropbox Folder/ISOLATION/Door Construction (folder), Dropbox Folder/ISOLATION/Door Stops (folder), and Dropbox Folder/ISOLATION/Door with trunk rubber (folder)
F	Studs and structure	Follow 'best practice'. If DIY, see Dropbox Folder/Bonus Stuff/Complete Book of Framing An Illustrated Guide for Residential Construction.pdf And Dropbox Folder /ISOLATION/SFA_Framing_Guide.pdf
G	Plywood / OSB shear	NEW plywood/OSB shall be minimum 1/2" thick, rated per the shear wall schedule. Special care shall be taken all plywood seams, for double layers, are overlapped ty at least 24" in two directions. Glue and screw. Do not allow the screws to penetrate further than the framing material
H	Dropped Ceiling & Ceiling tiles	Dropbox Folder/TREATMENT/Ceiling Tiles(folder) and Dropbox Folder/TREATMENT/1221 Ceiling Tiles Custom.pdf Use only tiles that have NRC = 0.7 or better! Rectangular or Square tiles are fine! Use what you like bu meet or exceed the spec above.
J	Studio Electrical	Dropbox Folder/ISOLATION/Grounding-Wiring-Zero-Loop-Area .pdf, AES Ground Loops-Rest of Story - Whitlock-Fox - Generic Version.pdf, Transformer Isolationpdf, and indy aes 2012 seminar w-notes v1.pdf - Use specialty products only as necessary, i.e.; transformer, surges, etc.
K	Auxiliary Electrical Outlets	Use only for chargers, lamps, vacuum cleaners, etc.! - DO NOT USE FOR ANYTHING AUDIO!
L	Baffle Boxes	See your Custom baffle box plans! For reference only use Dropbox Folder/ISOLATION/Baffle Box Layouts.pdf See also Dropbox Folder/ISOLATION/Duct liner (folder)
M	Return Air Grille	Dropbox Folder/ISOLATION/CADDDF.pdf - page D7-10 for examples.
N	Supply Air Diffuser	Dropbox Folder/ISOLATION/CADDDF.pdf - page D5-6 for examples.



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ELECTRICAL POWER DISTRIBUTION: Use 12 gauge stranded copper. Twist the live and neutral only with at least one twist per 2 inches. Ground wire must be run straight along with its associated L&N circuit. Use as many 20 A circuits as necessary for all audio power. Audio power should feed from the SAME phase from the mains panel.

NOTE: ALL ELECTRICAL OUTLETS AND SWITCHES WILLBE MOUNTED IN THE TREATMENT - NOT IN THE WALLS.



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Bekasi, West Java, Indonesia
email: jh@jbrandt.net
web site: www.jbrandt.net

**Recording Studio,
Performance Hall, &
Architectural Acoustics
Consultants**

Project:
Recording Studio - Structural/HVAC/Elec - PLAN view

Client - Name & Address:
Michael Woods
Rice N Pease LLC
3216 St. Augustine Ct.
Kissimmee, FL 34746
United States

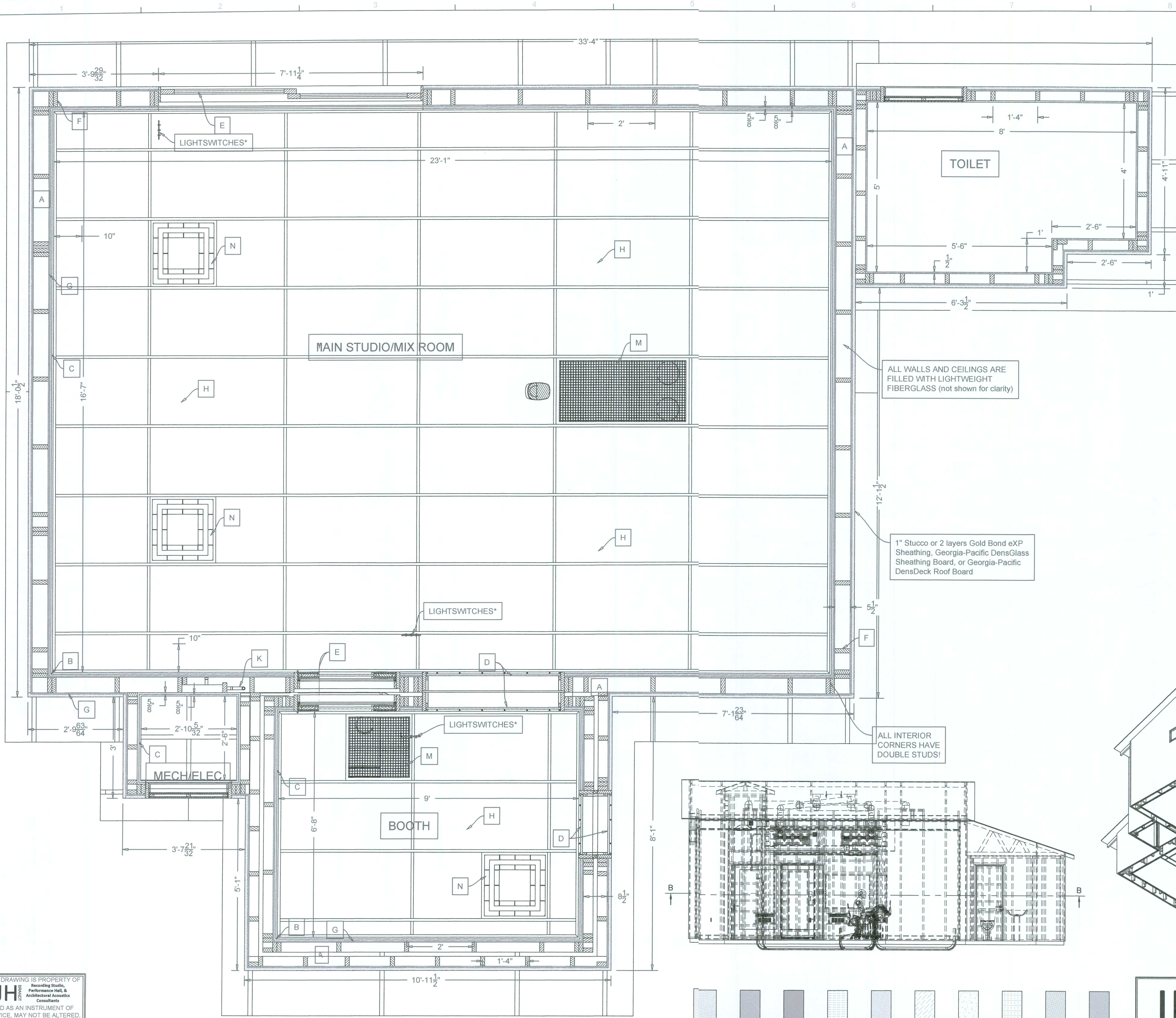
Designed By:
John H. Brandt
Job No.: 10809
Project Date: 07/03/2019
Sheet: 1 of 10

This drawing is to be printed on A0 or A1 paper.
NOT SCALE

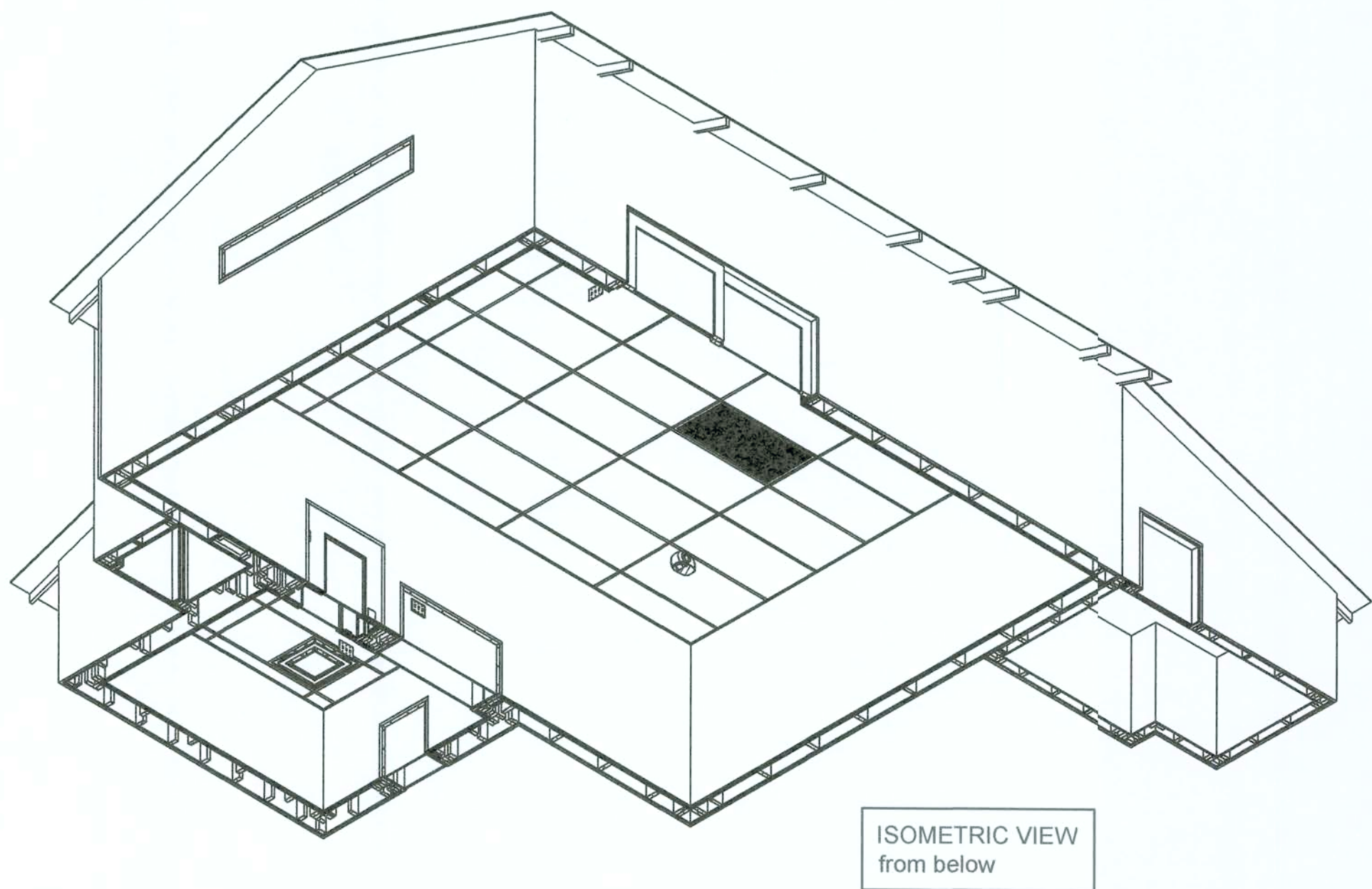
Date:
08/10/2019

Checked:
John H. Brandt

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

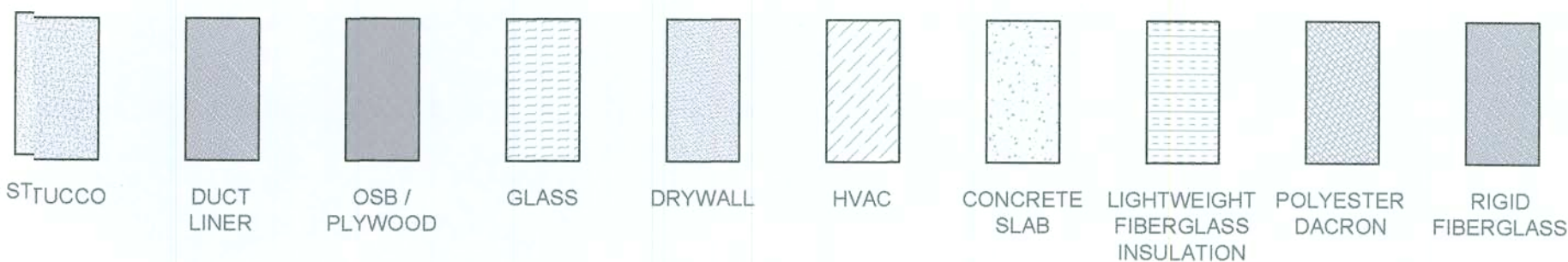


Structural Notes		
No.	Name	Description
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B	Caulk All perimeter joints - Use Backer Rod	Recommended Caulk/Sealants: Bg Stretch, OSI SC-175, Soudaflex14LM, Bostik Seal N Rex FC, etc. See: Dropbox Folder/ISOLATION/Gypsum Board Wall construction WITH WINDOW FRAMING.pdf, Gypsum Board Wall construction.pdf, and Wall - Ceiling backer rod and caulk details
C	5/8" or 16 mm Gypsum Board	Fermacell Firepanel A1, Fermacell Gypsum Fibreboards, Sheetrock® brand Firecode® Core 5/8" Type X Gypsum Panels or Firecode C Core 5/8" Type C Gypsum Panels, Knauf brand Fire Panel 16mm, or Soundshield Plus 16mm, or Similar. Avoid residential grade light-weight products. IMPORTANT - See IRC-IR-693.pdf, pages 39 - 62.
D	Window Glass - LAMINATED	Glazing to be single pane, 5/8" thick laminated or thicker. See window drawings and Building Studio Windows document. See: Dropbox Folder/TREATMENT/Building Studio Windows.pdf AND Dropbox Folder/ISOLATION/Window Construction example Imperial size-Arch D.pdf
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F	Studs and structure	Follow 'best practice'. If DIY, see Dropbox Folder/Bonus Stuff/Complete Book of Framing An Illustrated Guide for Residential Construction.pdf And Dropbox Folder /ISOLATION/SFA_Framing_Guide.pdf
G	Plywood / OSB shear	NEW plywood/OSB shall be minimum 1/2" thick, rated per the shear wall schedule. Special careshall be taken all plywood seams, for double layers, are overlapped by at least 24" in two directions. Glue and screw. Do not allow the screws to penetrate further than the framing material.
H	Dropped Ceiling & Ceiling tiles	Dropbox Folder/TREATMENT/Ceiling Tiles(folder) and Dropbox Folder/TREATMENT/121 Ceiling Tiles Custom.pdf Use only tiles that have NRC = 0.7 or better! Rectangular or Square tiles are fine! Use what you like but meet or exceed the spec above.
J	Studio Electrical	Dropbox Folder/ISOLATION/Grounding-Wiring-Zero-Loop-Area .pdf, AES Ground Loops-Rest of Story - Whitlock-Fox - Generic Version.pdf, Transformer Isolation.pdf, and indy aes 2012 seminar w-notes v1.pdf - Use specialty products only as necessary, i.e.: transformer, surge, etc.
K	Auxiliary Electrical Outlets	Use only for chargers, lamps, vacuum cleaners, etc.! - DO NOT USE FOR ANYTHING AUDIO!
L	Baffle Boxes	See your Custom baffle box plans! For reference only use Dropbox Folder/ISOLATION/BaffleBox Layouts.pdf See also Dropbox Folder/ISOLATION/Duct Iner (folder)
M	Return Air Grille	Dropbox Folder/ISOLATION/CAEDDF.pdf - page D7-10 for examples.
N	Supply Air Diffuser	Dropbox Folder/ISOLATION/CAEDDF.pdf - page D5-6 for examples.



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SECTION B-B
SCALE 3/4" = 1'-0"

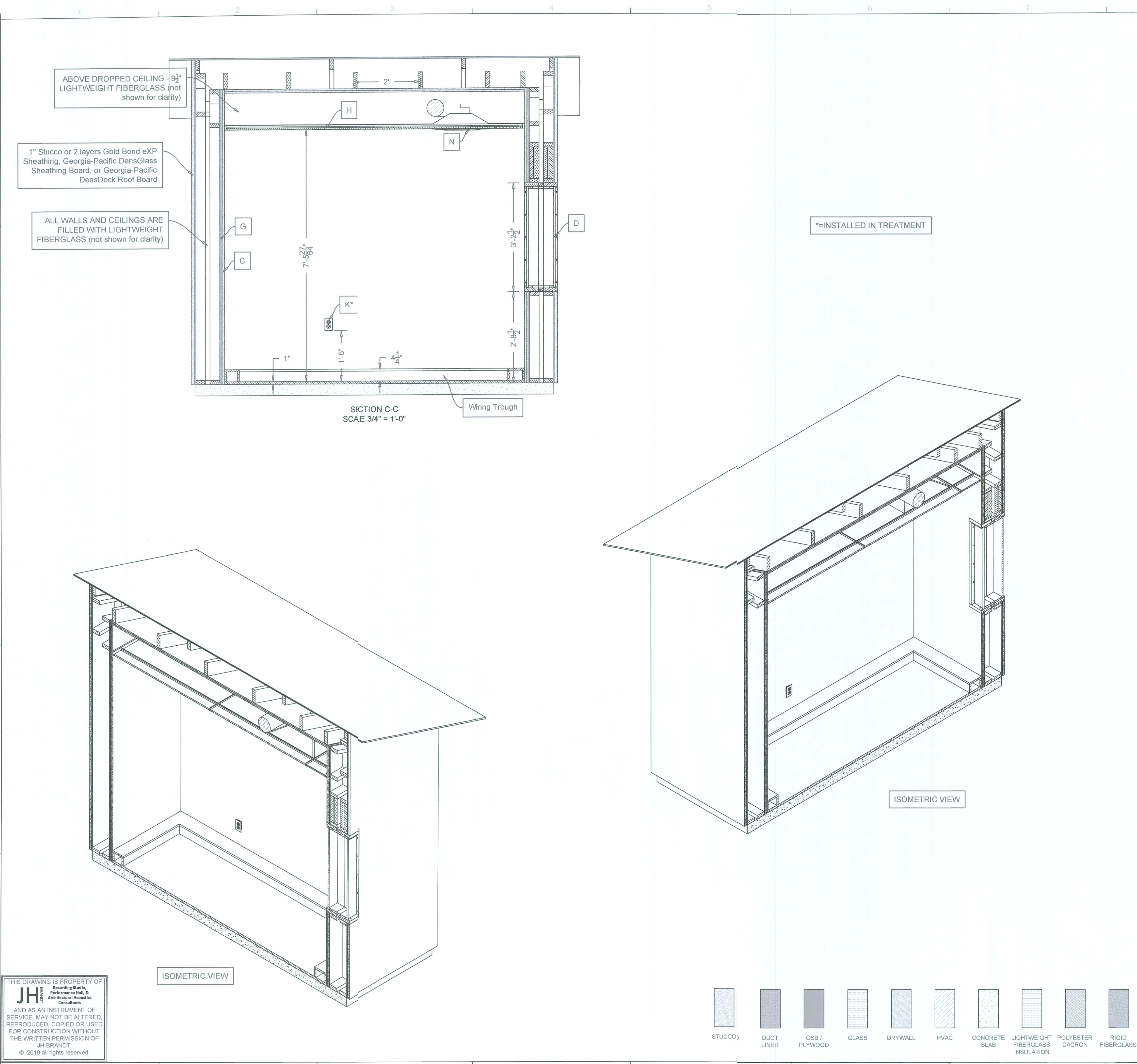


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tel: +62 21 295 734 88 / +62 081510 111 774
email: john@jbrandt.net
web site: www.jbrandt.net

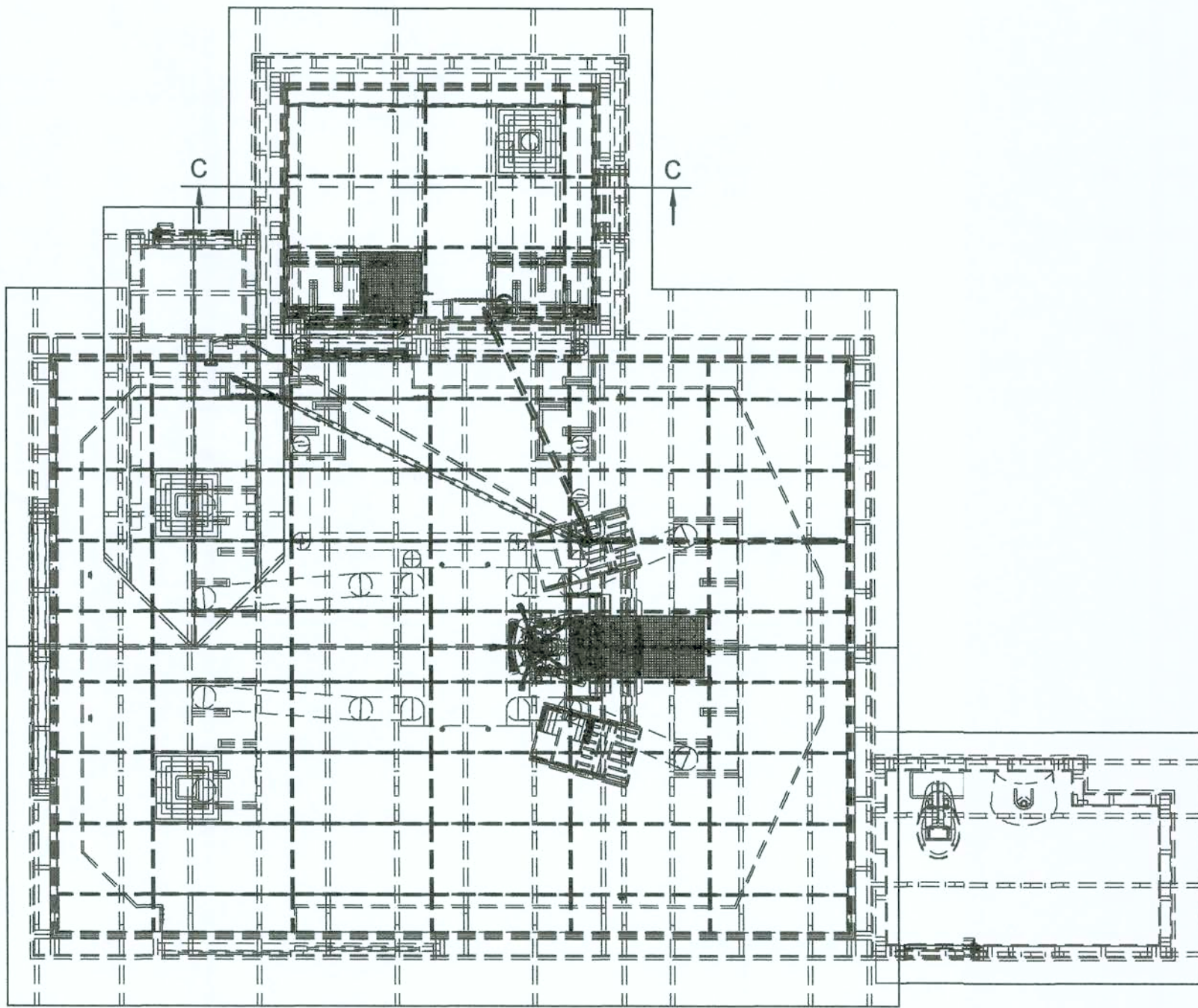
Project:
Recording Studio - Structural/HVAC/Elec - PAN view

Owner:	John H. Brandt	Date:	05/10/2019
Client - Name & Address:	Michael Woods Rice N Peas LLC 3216 St. Augustine Ct Kissimmee, FL 34746 United States		
Designer:	John H. Brandt	Date:	05/10/2019

Job No:	10809	Project Date:	07/03/2019
Sheet:	2 of 10		



Structural Notes		
No.	Name	Description
A	Wall Cavity Insulation	Fill ALL walls and ceiling with LIGHTWEIGHT Fiberglass Insulation - Density .6 -.9 pcf
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F	Studs and structure	Follow 'best practice'. If DIY, see Dropbox Folder/Bonus Stuff/Complete Book of Framing An Illustrated Guide for Residential Construction.pdf And Dropbox Folder /ISOLATION/SFA_Framing_Guide.pdf
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H	Dropped Ceiling & Ceiling tiles	Dropbox Folder/TREATMENT/Ceiling Tiles(folder) and Dropbox Folder/TREATMENT/1221 Ceiling Tiles Custom.pdf Use only tiles that have NRC = 0.7 or better! Rectangular or Square tiles are fine! Use what you like but meet or exceed the spec above.
J	Studio Electrical	Dropbox Folder/ISOLATION/Grounding-Wiring-Zero-Loop-Area .pdf, AES Ground Loops-Rest of Story - Mitlock-Fox - Generic Version.pdf, Transformer Isolation.pdf, and indy aes 2012 seminar w-notes v1.pdf - Use specialty products only as necessary, i.e.; transformer, surges, etc.
K	Auxiliary Electrical Outlets	Use only for chargers, lamps, vacuum cleaners, etc.! - DO NOT USE FOR ANYTHING AUDIO!
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M	Return Air Grille	Dropbox Folder/ISOLATION/CADDDF.pdf - page D7-10 for examples.
N	Supply Air Diffuser	Dropbox Folder/ISOLATION/CADDDF.pdf - page D5-6 for examples.



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JH BRANDT

Summarecon Bekasi, Cluster Lotus, JA 20 Bekasi, West Java, Indonesia

tel: +62 21 265 734 88 / +62 081510 111 774

email: john@jbrandt.net

web site: www.jbrandt.net

Recording Studio, Performance Hall, & Architectural Acoustics Consultants

Project: Recording Studio - Structural/HVAC/Elec - SECTION view

Designed By: John H. Brandt

Job No: 10809

Project Date: 07/03/2019

Client - Name & Address: Michael Woods Rice N Peas LLC 3216 St. Augustine C. Kissimmee, FL 34741 United States

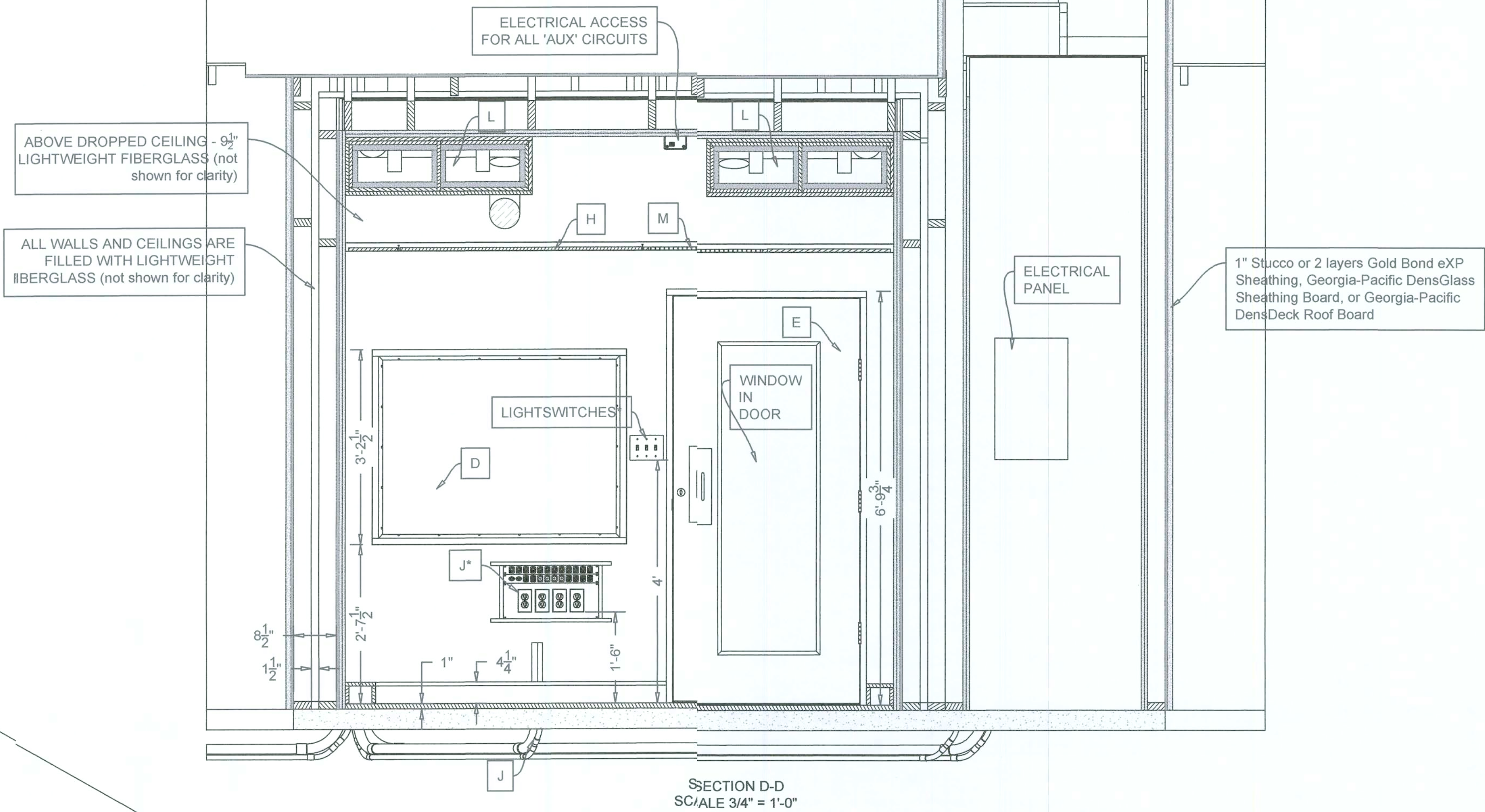
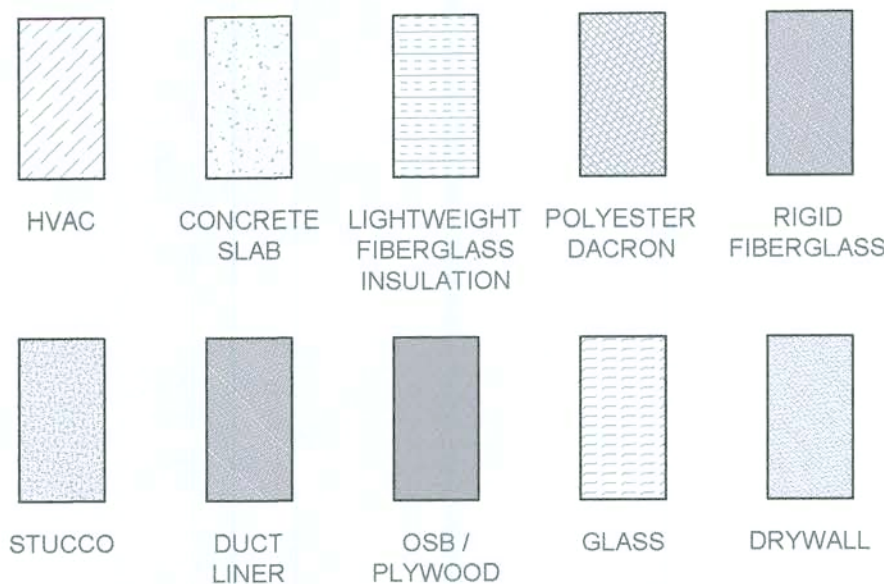
Sheet: 3 of 10

Drawn: John H. Brandt

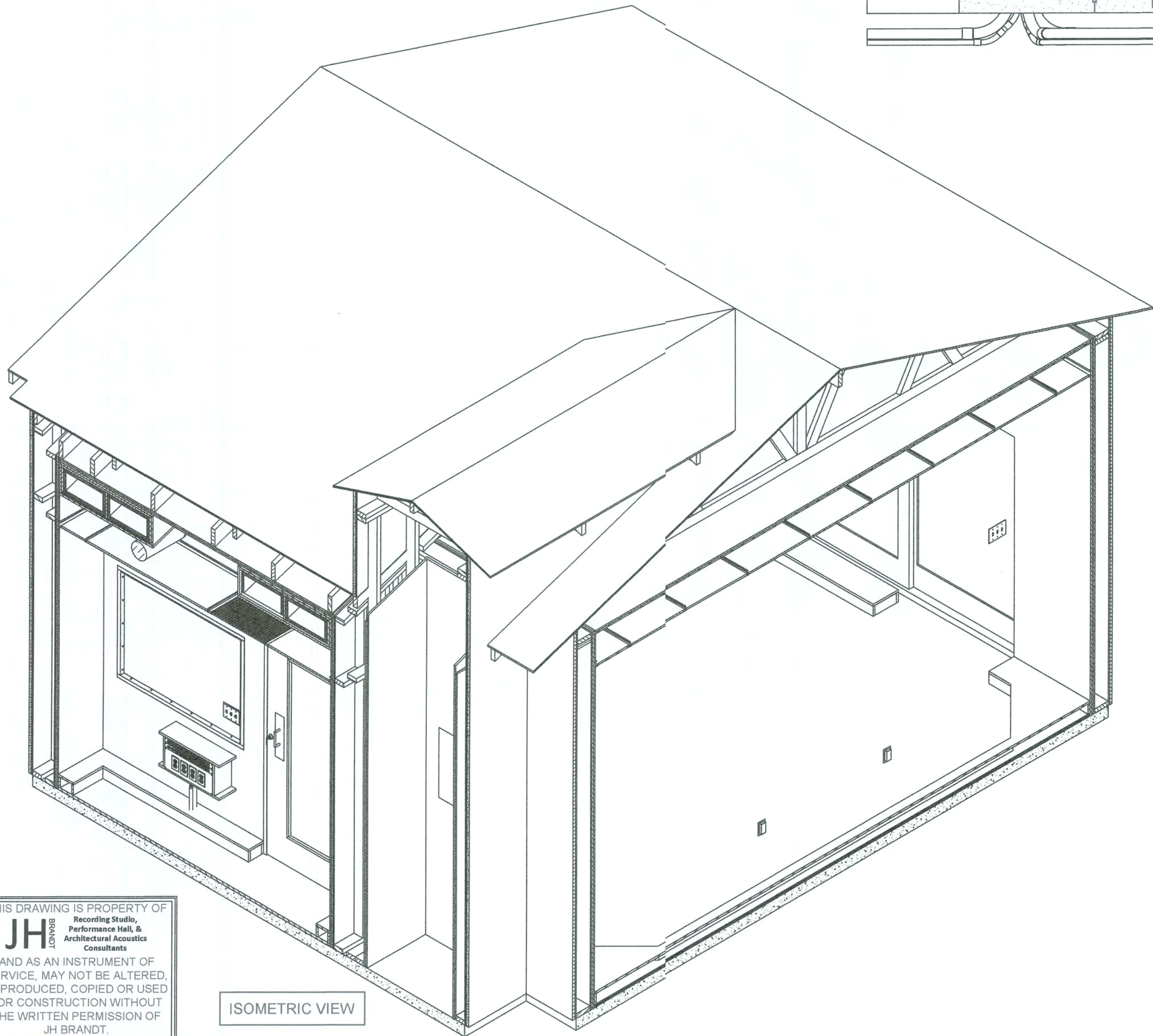
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Check: John H. Brandt

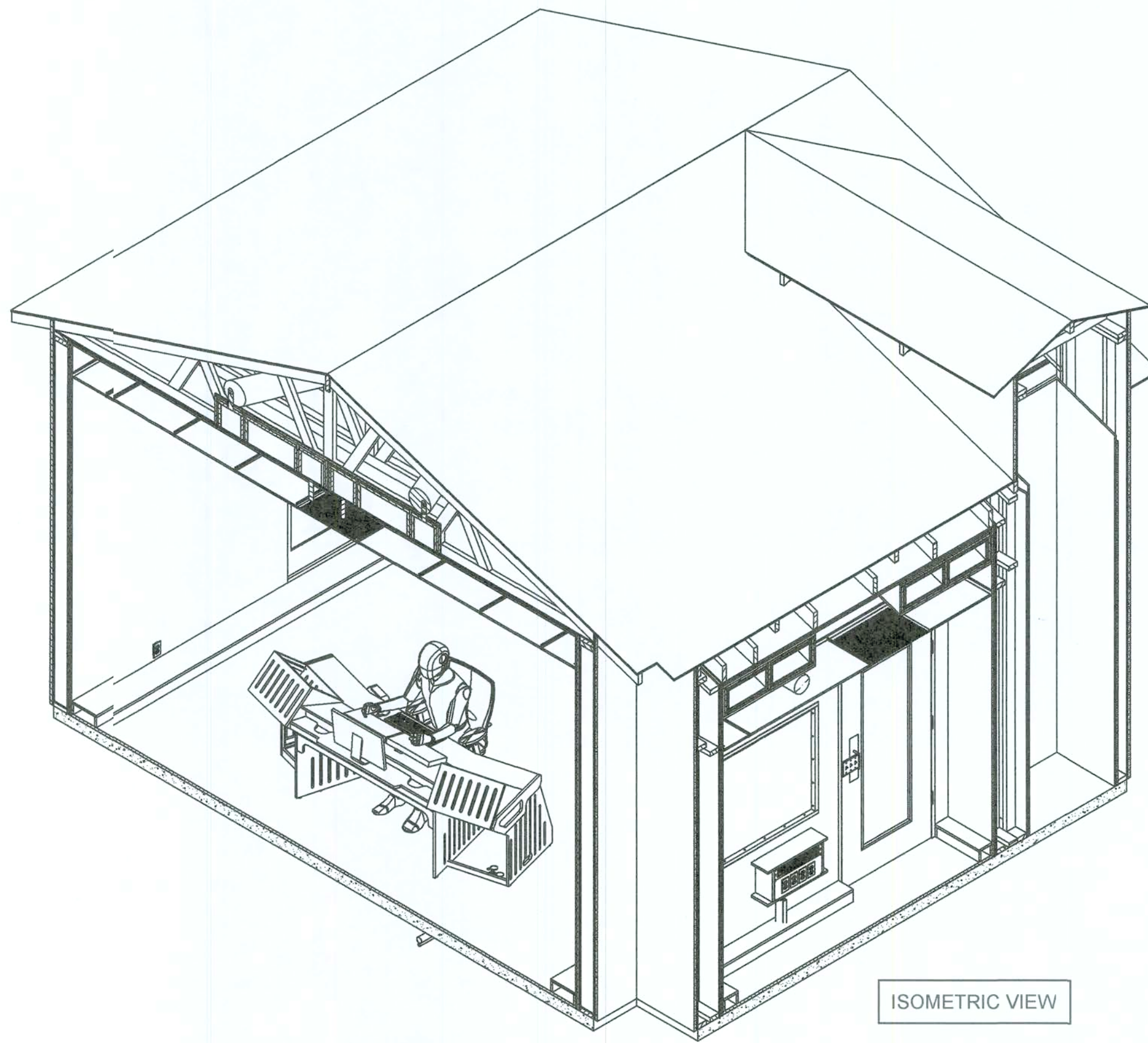
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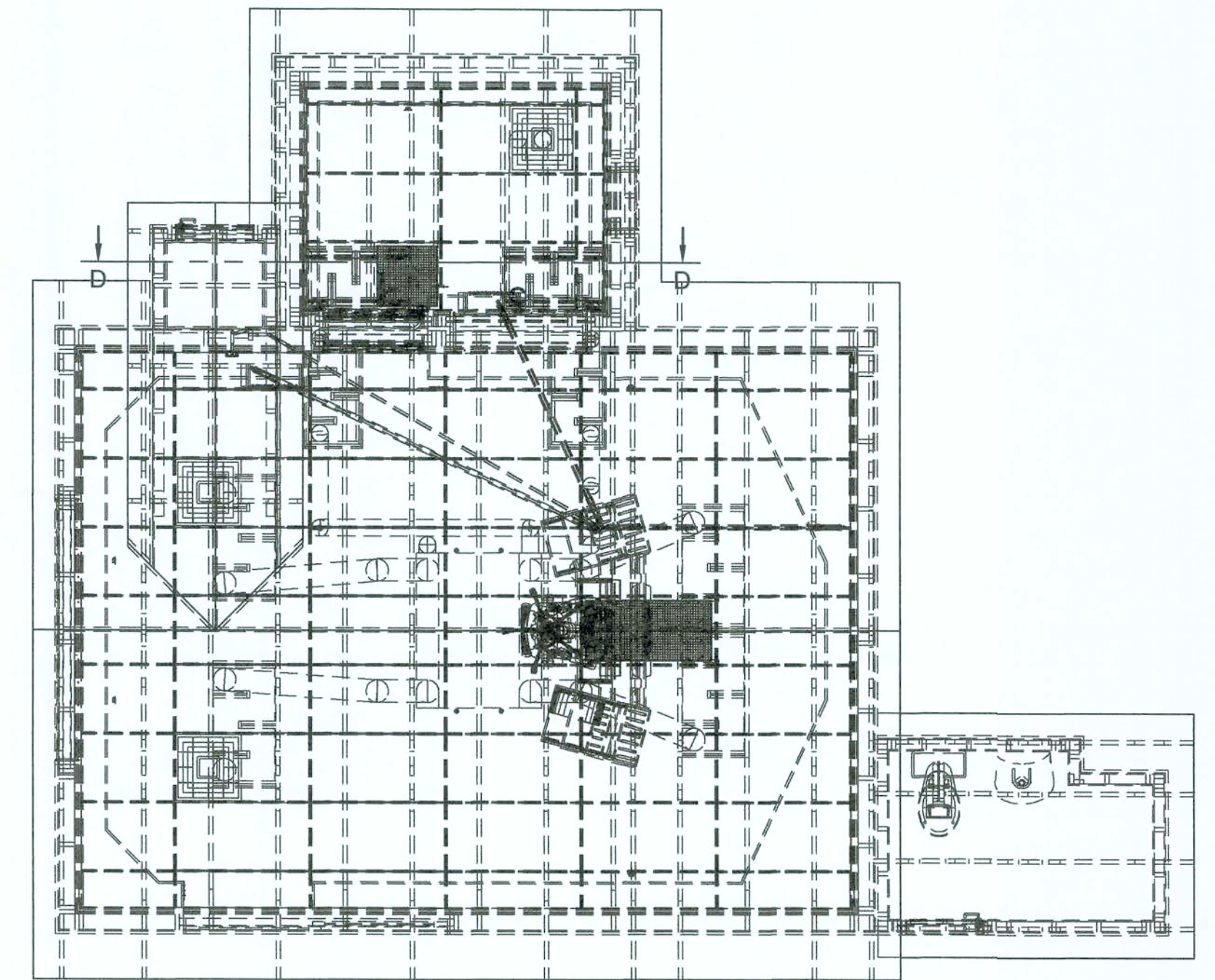
SECTION D-D
SC/ALE 3/4" = 1'-0"



ISOMETRIC VIEW

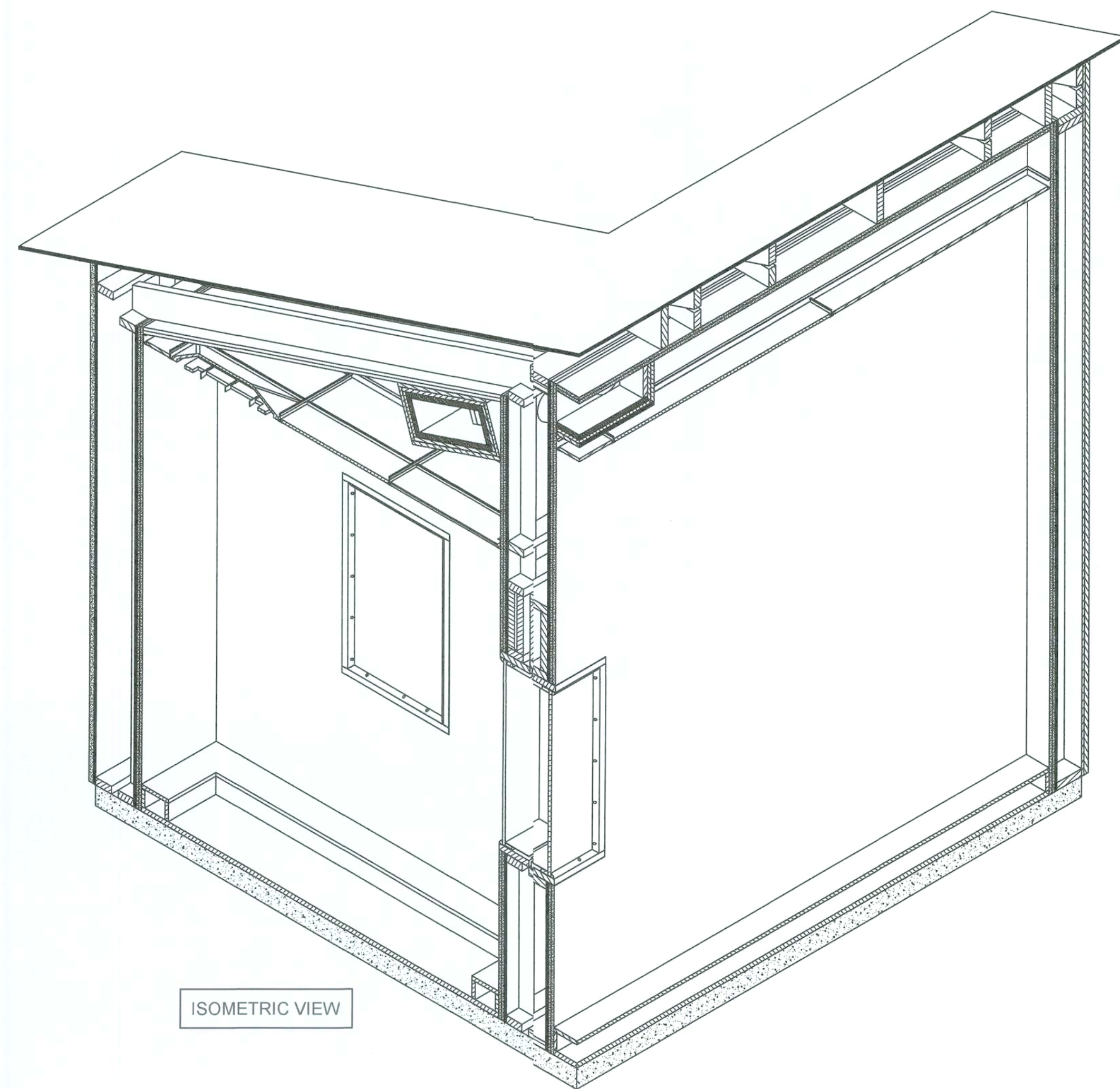
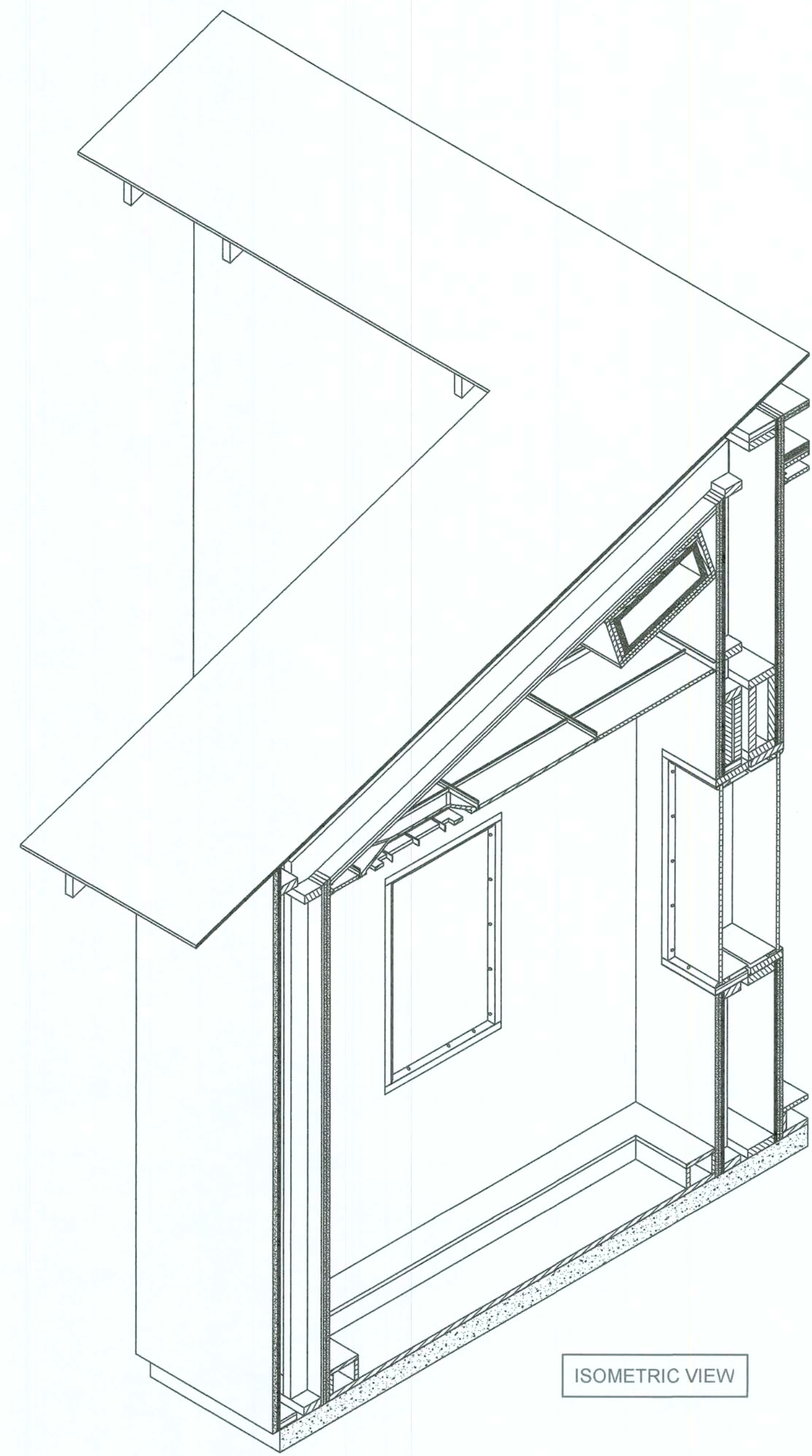
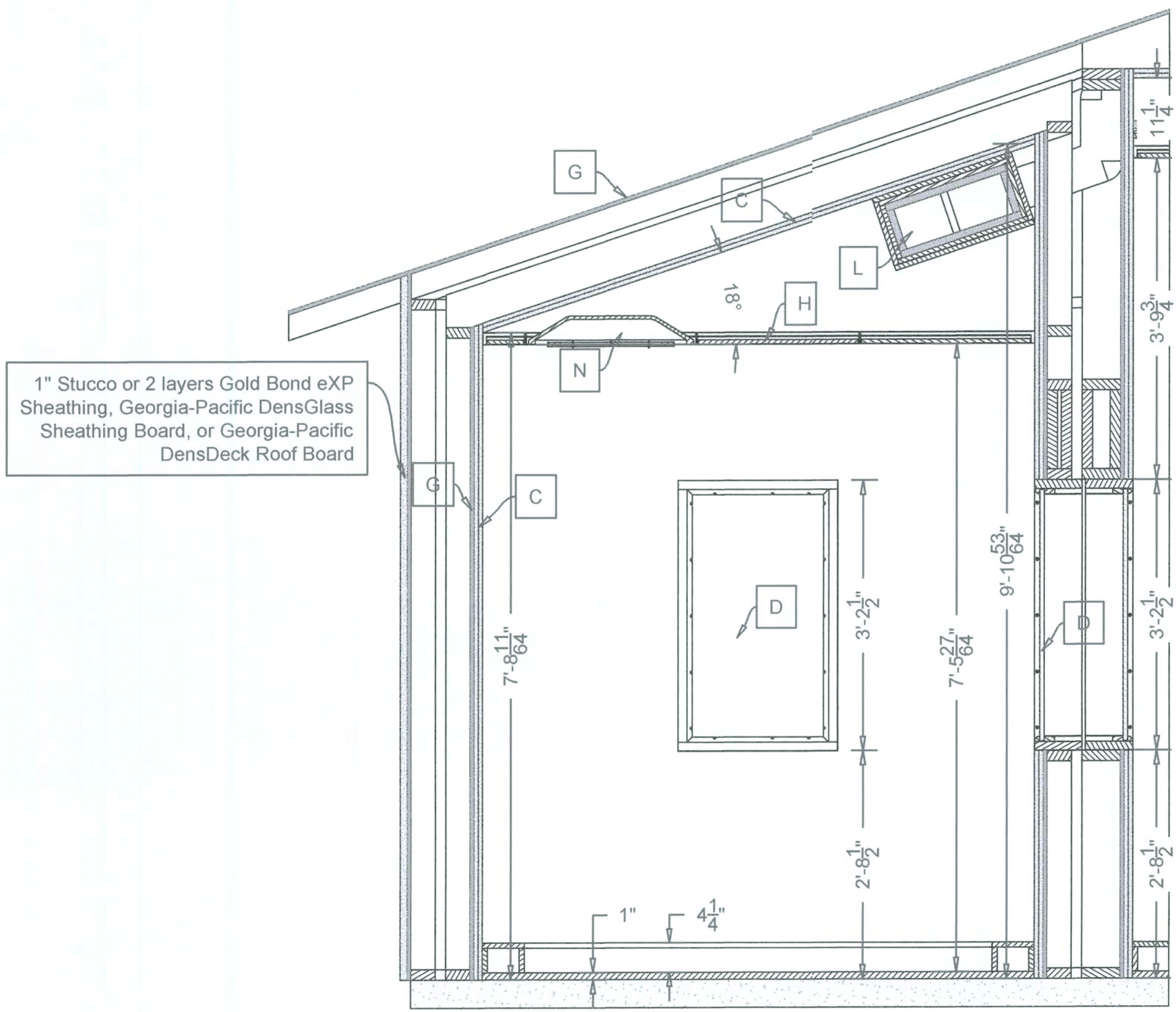


ISOMETRIC VIEW

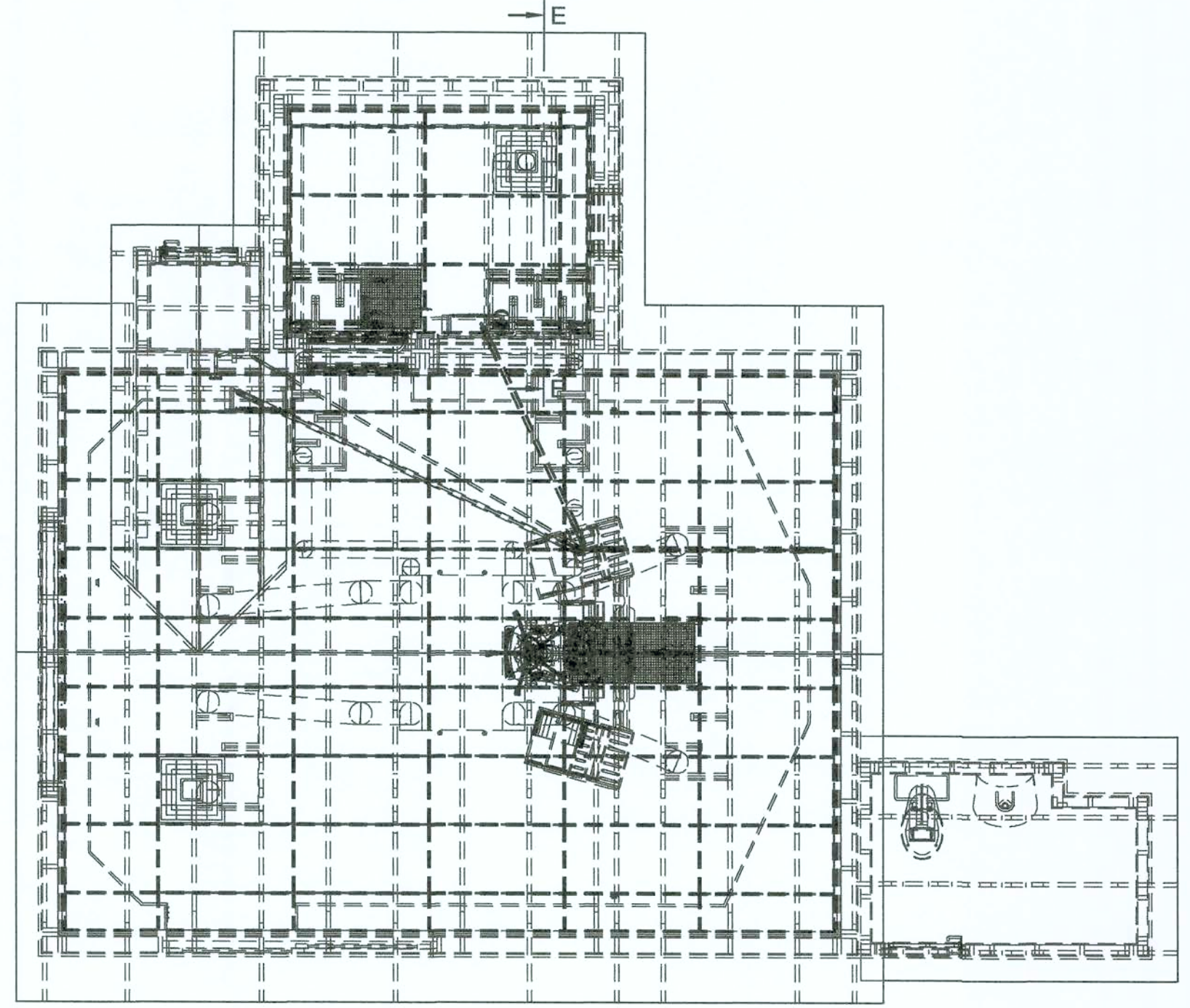


Structural Notes

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- STUCCO
- DUCT LINER
- OSB / PLYWOOD
- GLASS
- DRYWALL
- HVAC
- CONCRETE SLAB
- LIGHTWEIGHT FIBERGLASS INSULATION
- POLYESTER DACRON
- RIGID FIBERGLASS

JH BRANDT

Summarecon Bekasi, Cluster Lotus, IA 20 Bekasi, West Java, Indonesia

tel: +62 21 295 734 88 / +62 081510 111 774

email: john@jbrandt.net web site: www.jbrandt.net

Recording Studio, Performance Hall, & Architectural Acoustics Consultants

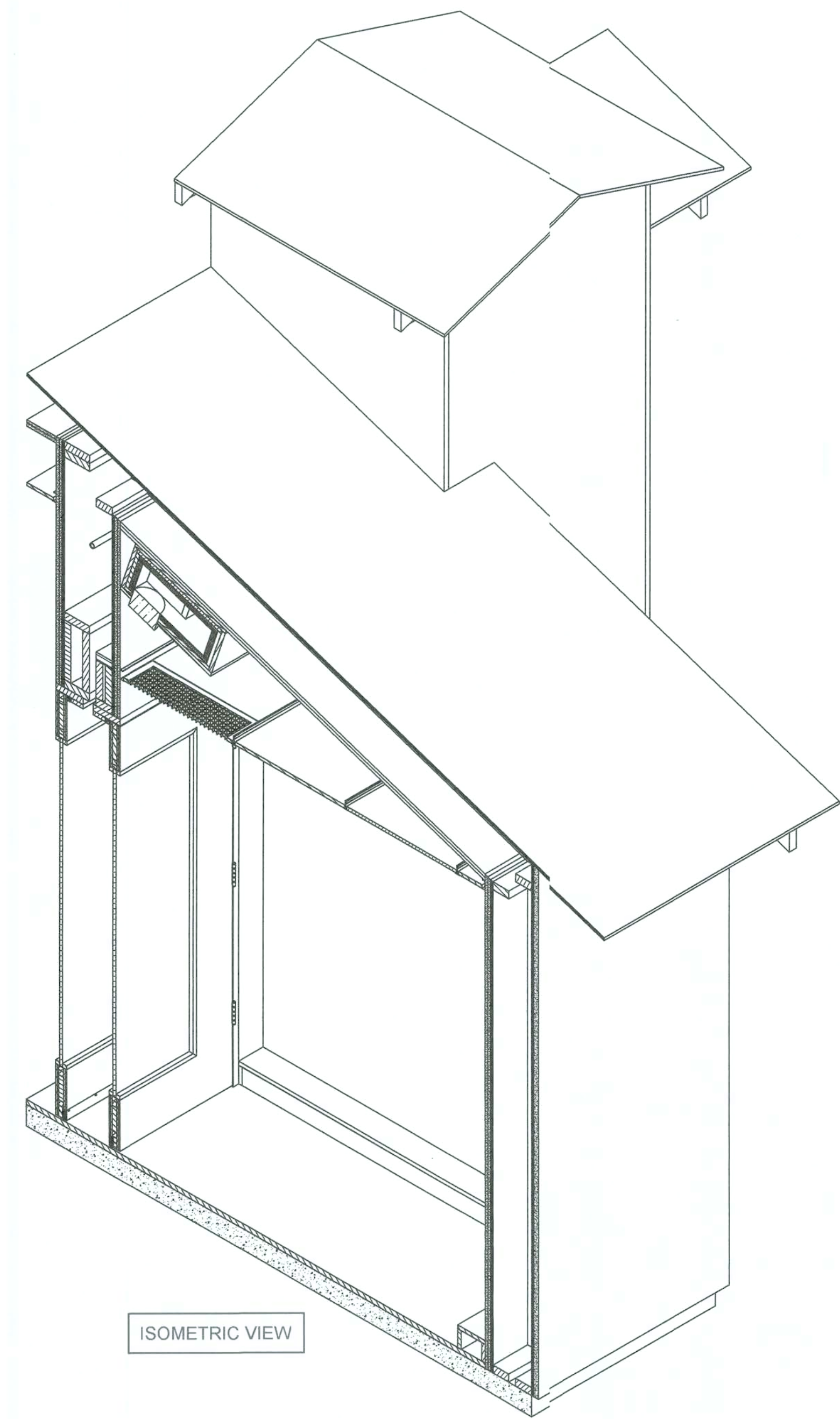
Project : Recording Studio - Structural/HVAC/Elec - SECTION view

Designed By : John H. Brandt

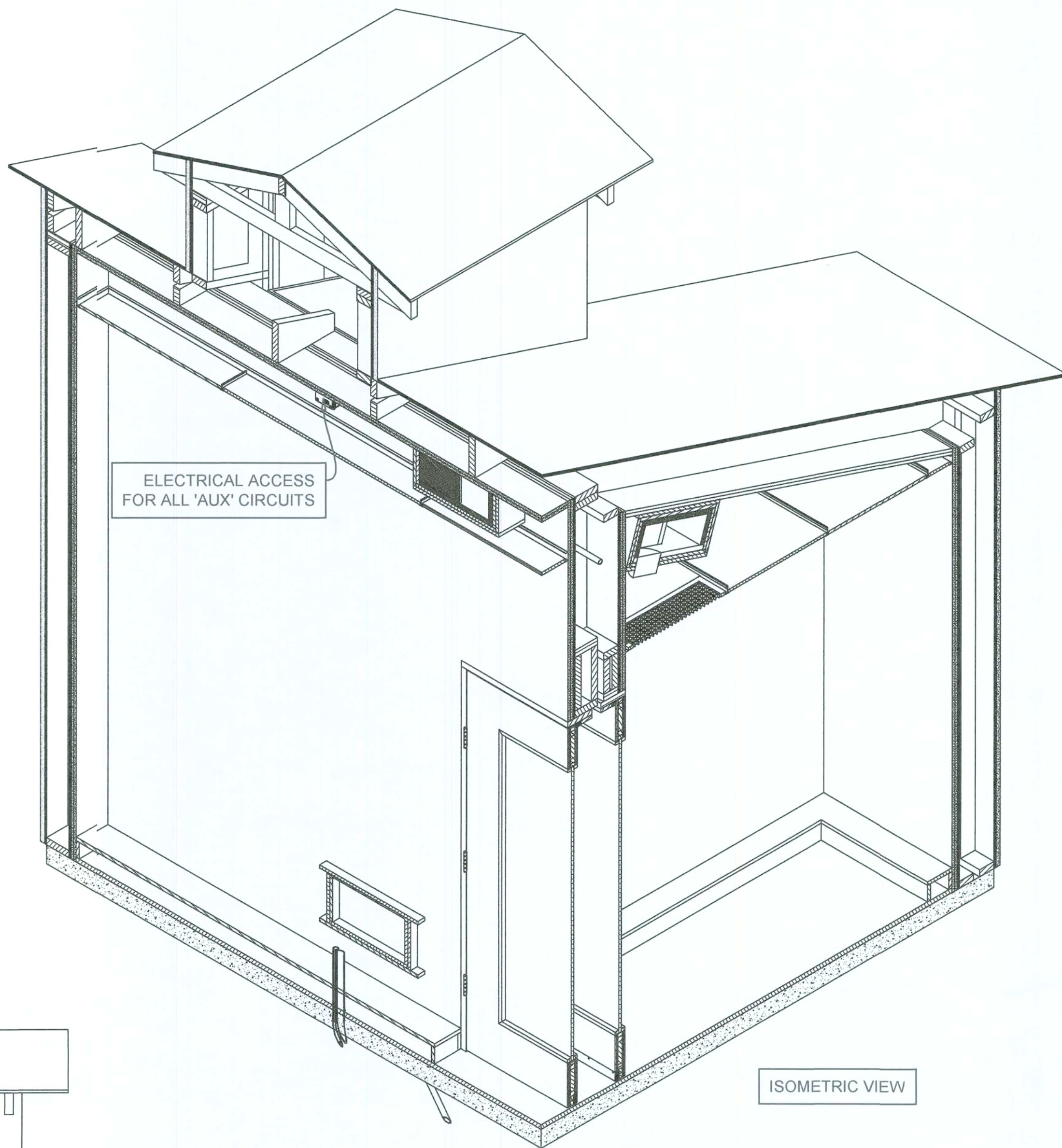
Client - Name & Address: Michael Woods Rice N Peas LLC 3216 St. Augustine Ct. Kissimmee, FL 34746 United States

Job No : 10809 Project Date: 07/03/2019

Sheet : 5 of 10

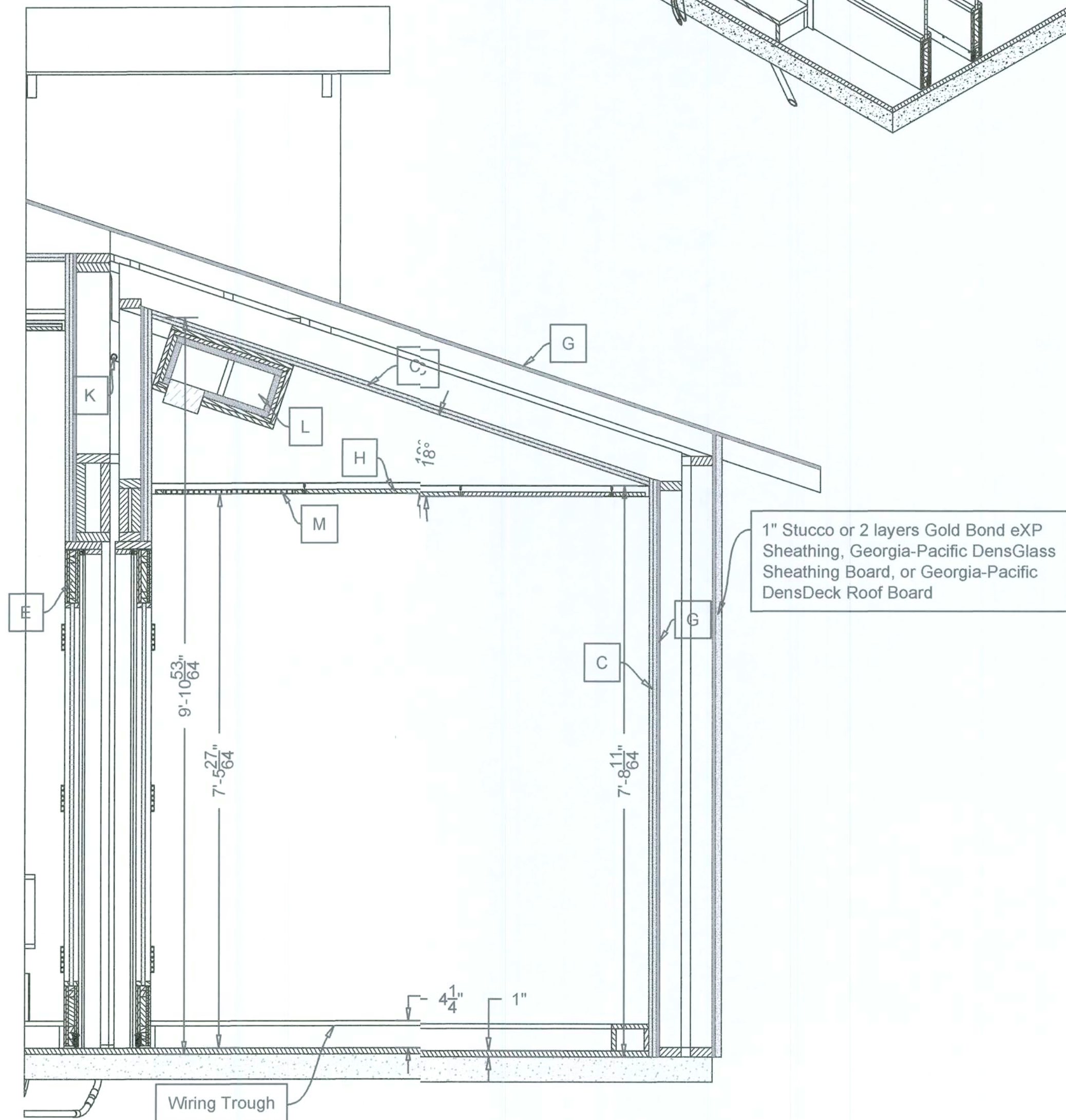


ISOMETRIC VIEW



ELECTRICAL ACCESS
FOR ALL 'AUX' CIRCUITS

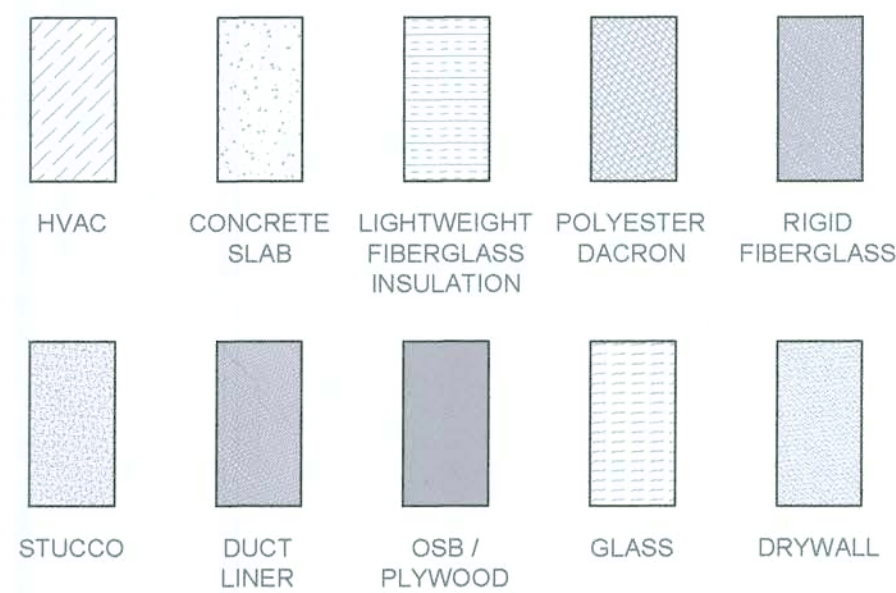
ISOMETRIC VIEW



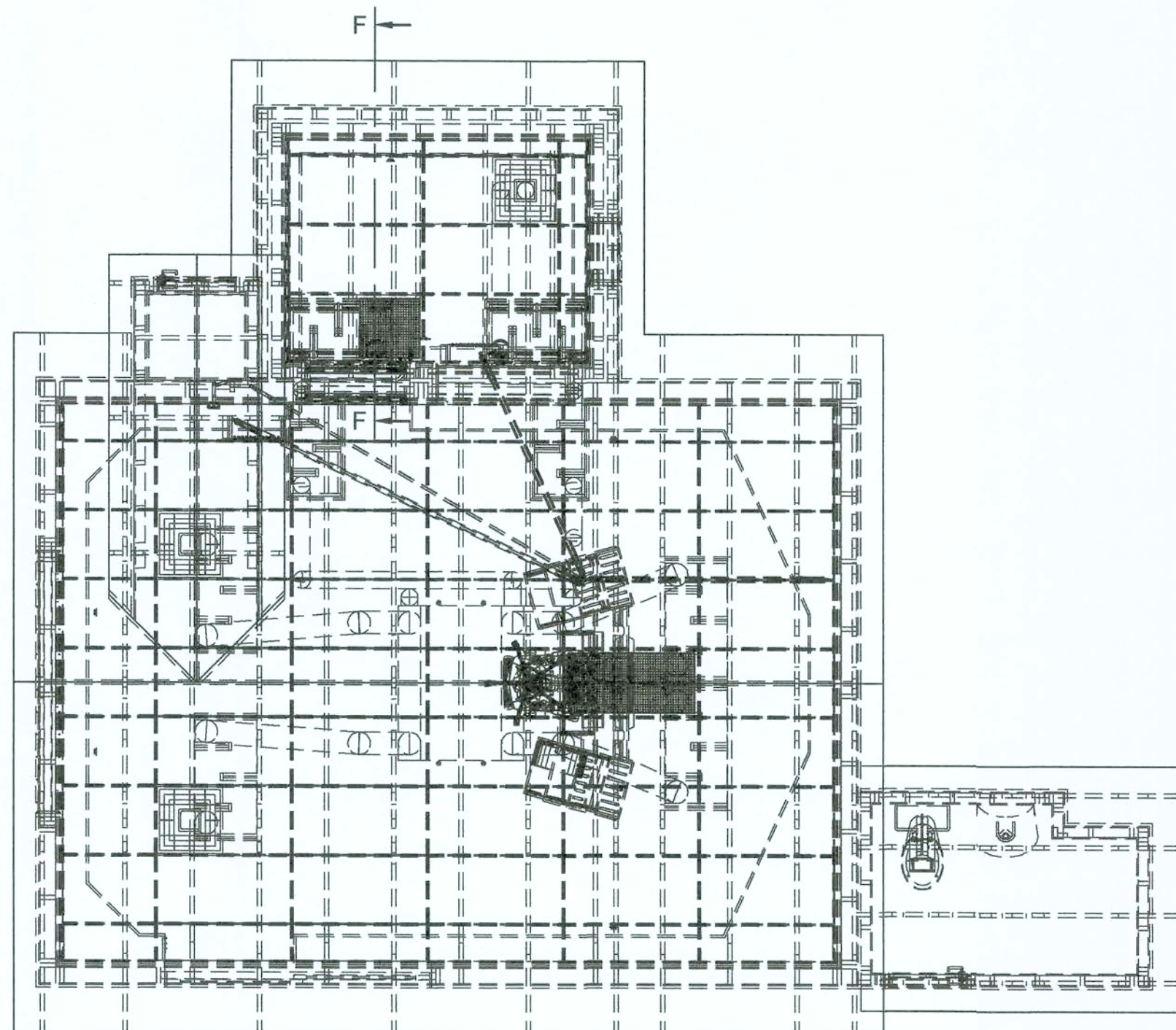
1" Stucco or 2 layers Gold Bond eXP Sheathing, Georgia-Pacific DensGlass Sheathing Board, or Georgia-Pacific DensDeck Roof Board

Wiring Trough

SECTION F-F
SCALE 3/4" = 1'-0"



Structural Notes		
No.	Name	Description
A	Wall Cavity Insulation	Fill ALL walls and ceiling with LIGHTWEIGHT Fiberglass Insulation - Density .6 - 9 pcf
B	Caulk All perimeter joints - Use Backer Rod	Recommended Caulk/Sealants: Big Stretc ₁ , OSI SC-175, Soudaflex14LM, Bostik Seal N Flex FC, etc. See: Dropbox Folder/ISOLATION/Gypsum 3oard Wall construction WITH WINDOW FRAMING.pdf, Gypsum Board Wall construction.pdf, and Wall - Ceiling backer rod and caulk details
C	5/8" or 16 mm Gypsum Board	Fermacell Firepanel A1, Fermacell Gypsum Fibreboards, Sheetrock® brand Firecode® Core 5/8" Type X Gypsum Panels or Firecode C Core 5/8" Type C Gypsum Panels, Knauf brand Fire Panel 16mm, or Soundshield Plts 16mm, or Similar. Avoid residential grade light-weight products. IMPORTANT - See IRC-IR-693.pdf, pages 39 - 62.
D	Window Glass - LAMINATED	Glazing to be single pane, 5/8" thick laminated or thicker. See window drawings and Building Studio Windows document. See: Dropbox Folder/TREATMENT/Building Studio Windows.pdf AND Dropbox Folder/ISOLATION/Window Construction example Imperial size-Arch Dpdf
E	Studio entry / exit door(s)	Dropbox Folder/ISOLATION/Building Studio Doors.pdf, Door Details and options.pdf, Door Lockset sealing.pdf, Sealing a standard lockset square bar type.pdf, Zero Door Bottoms.pdf, and door with drop seal See also: Dropbox Folder/ISOLATION/Doo Construction (folder), Dropbox Folder/ISOLATION/Door Stops (folder), and Dropbox Folder/ISOLATION/Door with trunt rubber (folder)
F	Studs and structure	Follow 'best practice'. If DIY, see Dropbox Folder/Bonus Stuff/Complete Book of Framing An Illustrated Guide for Residential Construction.pdf And Dropbox Folder /ISOLATION/SFA_Framing_Guide.pdf
G	Plywood / OSB shear	NEW plywood / OSB shall be minimum 3/4" thick, rated per the shear wall schedule. Special care shall be aken all plywood seams, for double layers, are overlapped by at least 24" in two directions. Glue and screw. Do not allow the screws to penetrate further than the framing material.
H	Dropped Ceiling & Ceiling tiles	Dropbox Folder/TREATMENT/Ceiling Tiles(folder) and Dropbox Folder/TREATMENT/1221 Ceiling Tiles Custom.pdf Use only tiles that have NRC = 0.7 or better! Rectangular or Square tiles are fine! Use what you like but meet or exceed the spec above.
J	Studio Electrical	Dropbox Folder/ISOLATION/Grounding-Wiring-Zero-Loop-Area .pdf, AES Ground Loops-Rest of Story - Wtlock-Fox - Generic Version.pdf, Transformer Isolation.pdf, and indy aes 2012 seminar w-notes v1.pdf - Use specialty products only as necessary, i.e.; transformer, surges, etc.
K	Auxiliary Electrical Outlets	Use only for chargers, lamps, vacuum clearers, etc.! - DO NOT USE FOR ANYTHING AUDIO!
L	Baffle Boxes	See your Custom baffle box plans! For refeence only use Dropbox Folder/ISOLATION/Baffle Box Layouts.pdf See also Dropbox Folder/ISOLATION/Duct liner (folder)
M	Return Air Grille	Dropbox Folder/ISOLATION/CADDDF.pdf -page D7-10 for examples.
N	Supply Air Diffuser	Dropbox Folder/ISOLATION/CADDDF.pdf -page D5-6 for examples.



JH BRANDT

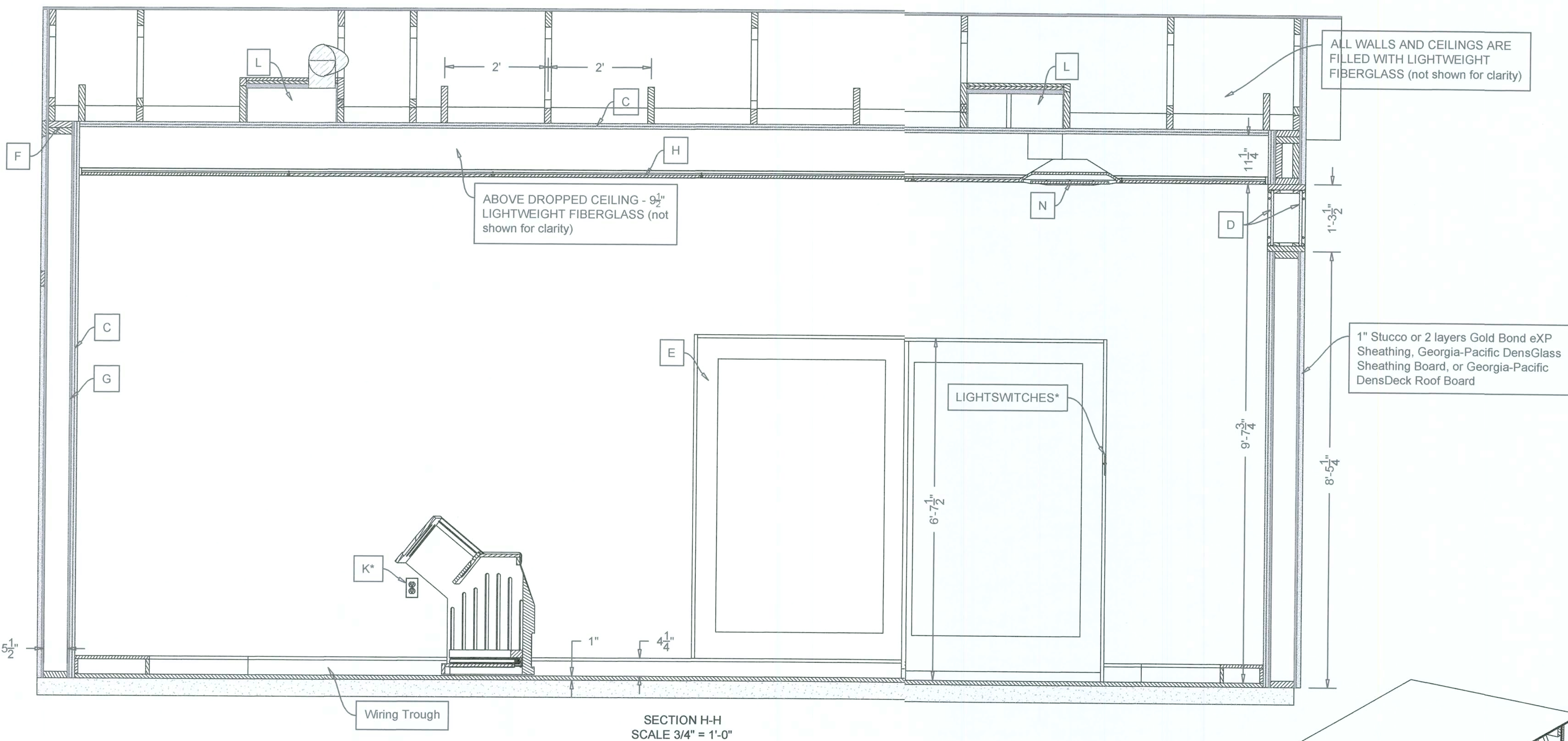
**Recording Studio,
Performance Hall, &
Architectural Acoustics
Consultants**

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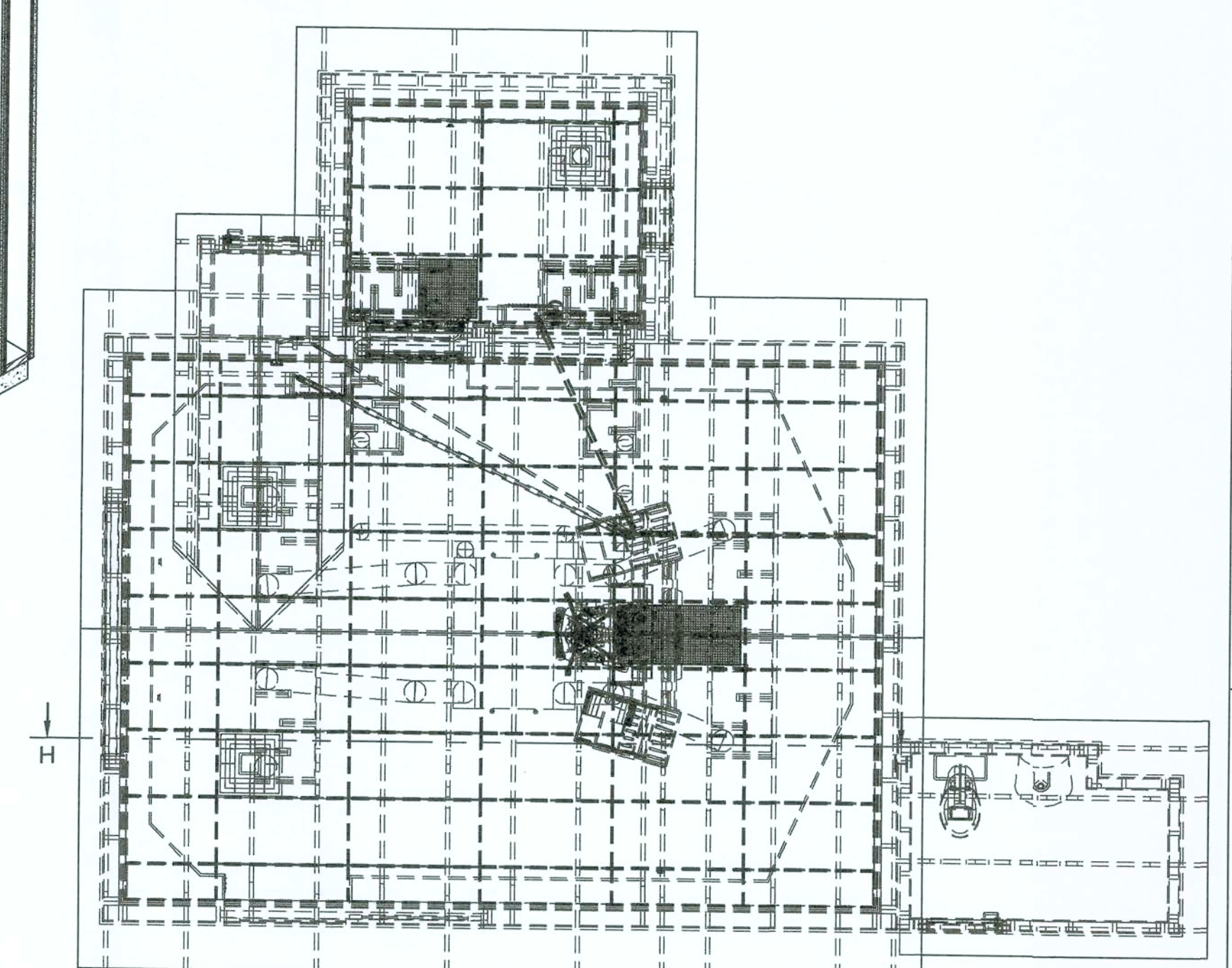
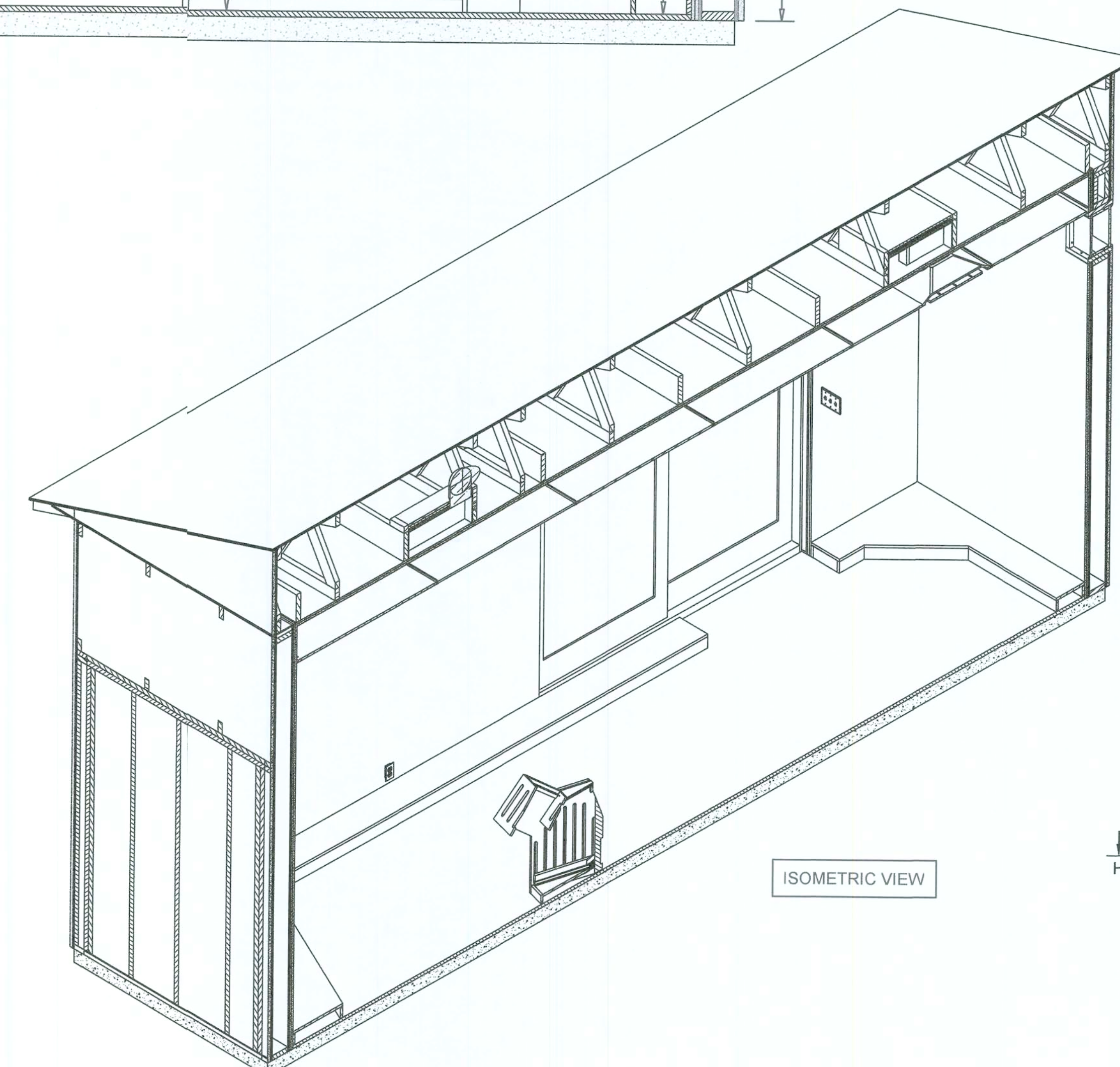
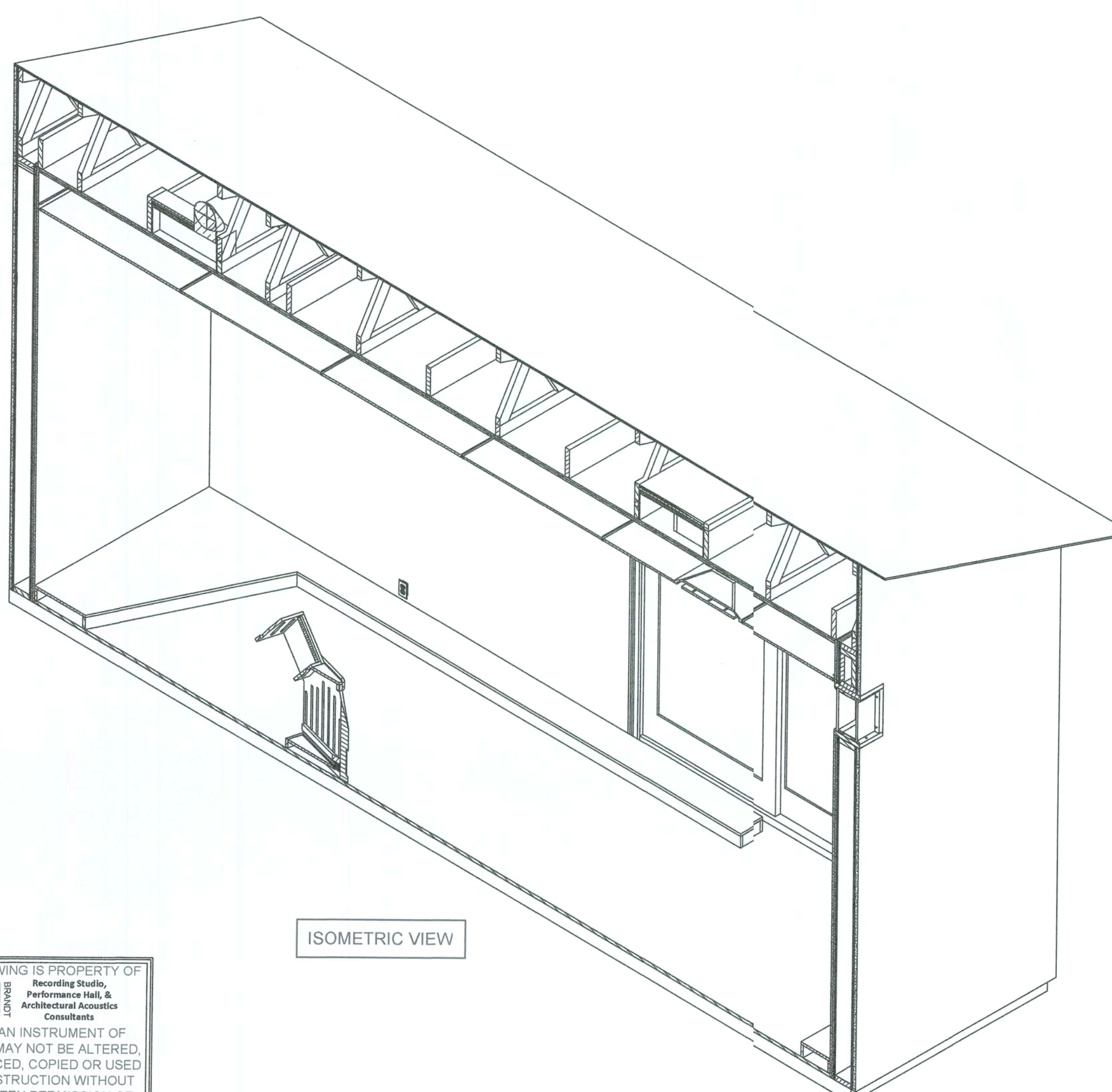
Project :
Recording Studio - Structural/HVAC/Elec - SECTION view
Client - Name & Address:
Michael Woods
Rice N Peas LLC
3216 St. Augustine Ct.
Kissimmee, FL 34746
United States
Job No :
10809
Project Date:
07/032019
Sheet :
6 of 10

Designed By :
John H. Brandt
Job No :
10809
Project Date:
07/032019
Sheet :
6 of 10

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Structural Notes		
No.	Name	Description
A	Wall Cavity Insulation	Fill ALL walls and ceiling with LIGHTWEIGHT Fiberglass Insulation - Density .6 -.9 pcf
B	Caulk All perimeter joints - Use Backer Rod	Recommended Caulk/Sealants: Big Stretch , OSI SC-175 , Soudaflex14LM , Bostik Seal N Flex FC , etc. See: Dropbox Folder/ISOLATION/Gypsum Board Wall construction WITH WINDOW FRAMING.pdf Gypsum Board Wall construction.pdf, and Wall - Ceiling backer rod and caulk details
C	5/8" or 16 mm Gypsum Board	Fernacell Firepanel A1, Fernacell Gypsum Fibreboards, Sheetrock® brand Firecode® Core 5/8" Type X Gypsum Panels or Firecode C Core 5/8" Type C Gypsum Panels, Knauf brand Fire Panel 16mm, or Soundshield Plus 16mm, or Similar. Avoid residential grade light-weight products. IMPORTANT - See IRC-IR-693.pdf, pages 39 - 62.
D	Window Glass - LAMINATED	Glazing to be single pane, 5/8" thick laminated or thicker. See window drawings and Building Studio Windows document. See: Dropbox Folder/TREATMENT/BuildingStudio Windows.pdf AND Dropbox Folder/ISOLATION/Window Construction example Imperial size-Arch D.pdf
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F	Studs and structure	Follow 'best practice'. If DIY, see Dropbox Folder/Bonus Stuff/Complete Book of Framing An Illustrated Guide for Residential Construction.pdf And Dropbox Folder /ISOLATION/SFA_Framing_Guide.pdf
G	Plywood / OSB shear	NEW plywood/OSB shall be minimum 3/4" thick, rated per the shear wall schedule. Special care shall be taken all plywood seams, for double layers, are overlapped by at least 24" in two directions. Glue and screw. Do not allow the screws to penetrate further than the framing material.
H	Dropped Ceiling & Ceiling tiles	Dropbox Folder/TREATMENT/Ceiling Tiles(folder) and Dropbox Folder/TREATMENT/1221 Ceiling Tiles Custom.pdf Use only tiles that have NRC = 0.7 or better! Rectangular or Square tiles are fine! Use what you like but meet or exceed the spec above.
J	Studio Electrical	Dropbox Folder/ISOLATION/Grounding-Wiring-Zero-Loop-Area .pdf, AES Ground Loops-Rest of Story - Whitbeck-Fox - Generic Version.pdf, Transformer Isolation.pdf, and indy aes 2012 seminar w-notes v1.pdf - Use specialty products only as necessary, i.e.; transformer, surge, etc.
K	Auxiliary Electrical Outlets	Use only for chargers, lamps, vacuum cleaners, etc.! - DO NOT USE FOR ANYTHING AUDIO!
L	Baffle Boxes	See your Custom baffle box plans! For reference only use Dropbox Folder/ISOLATION/Baffle Box Layouts.pdf See also Dropbox Folder/ISOLATION/Duct liner (folder)
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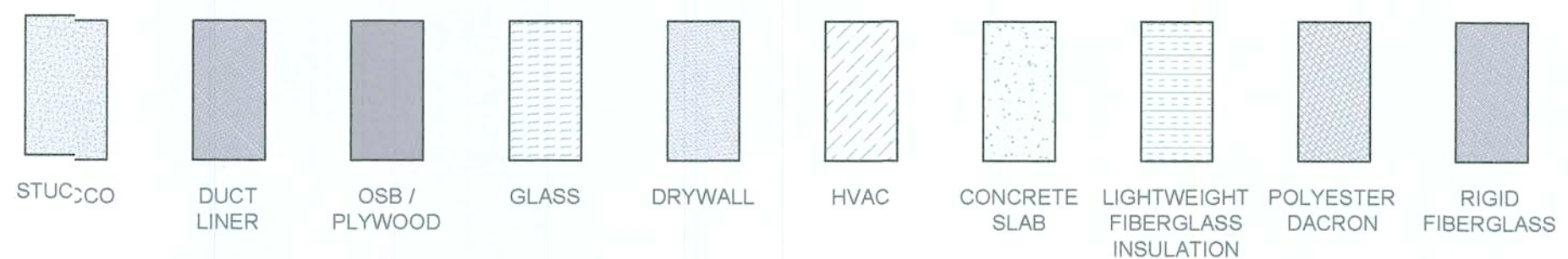
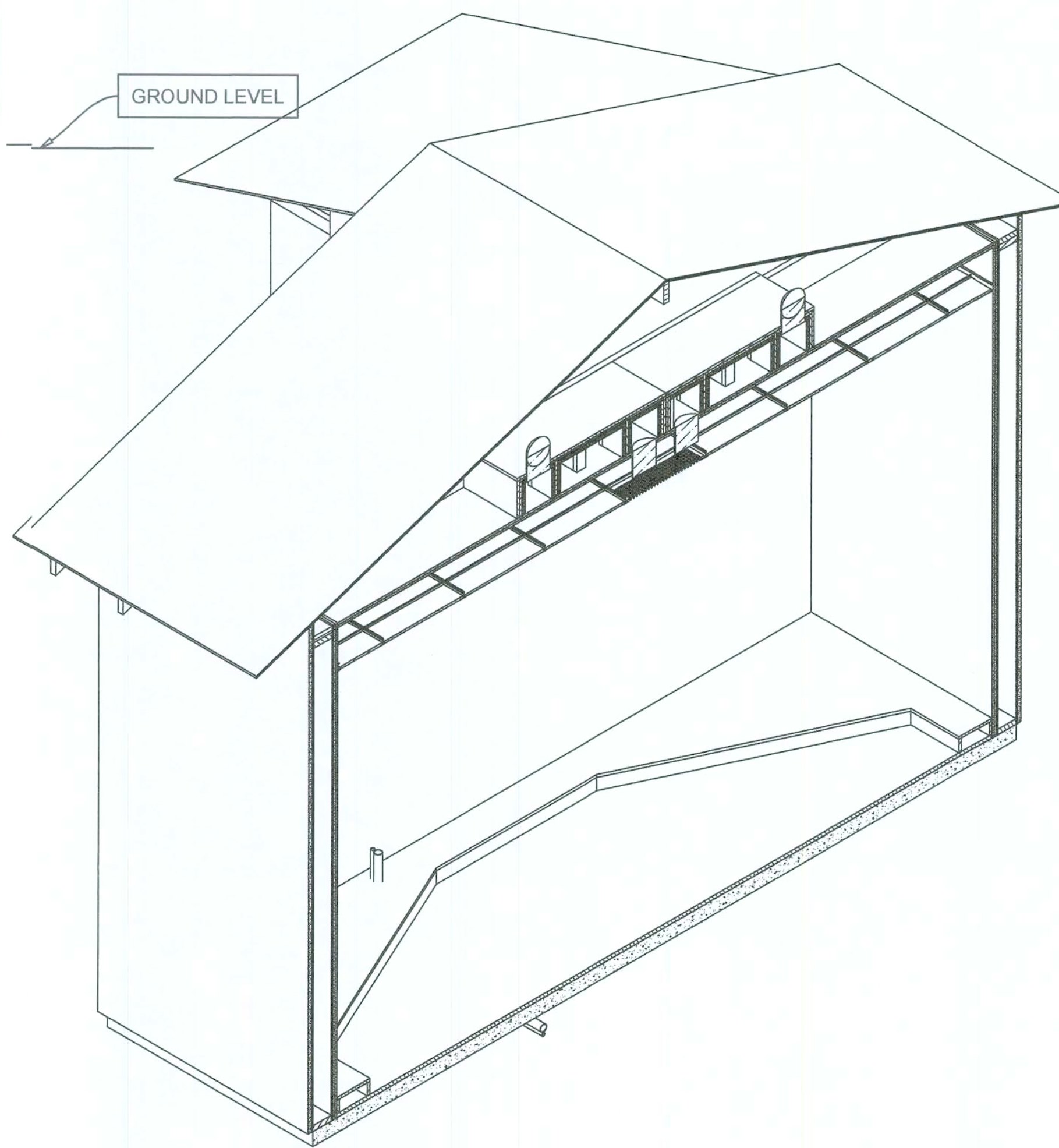
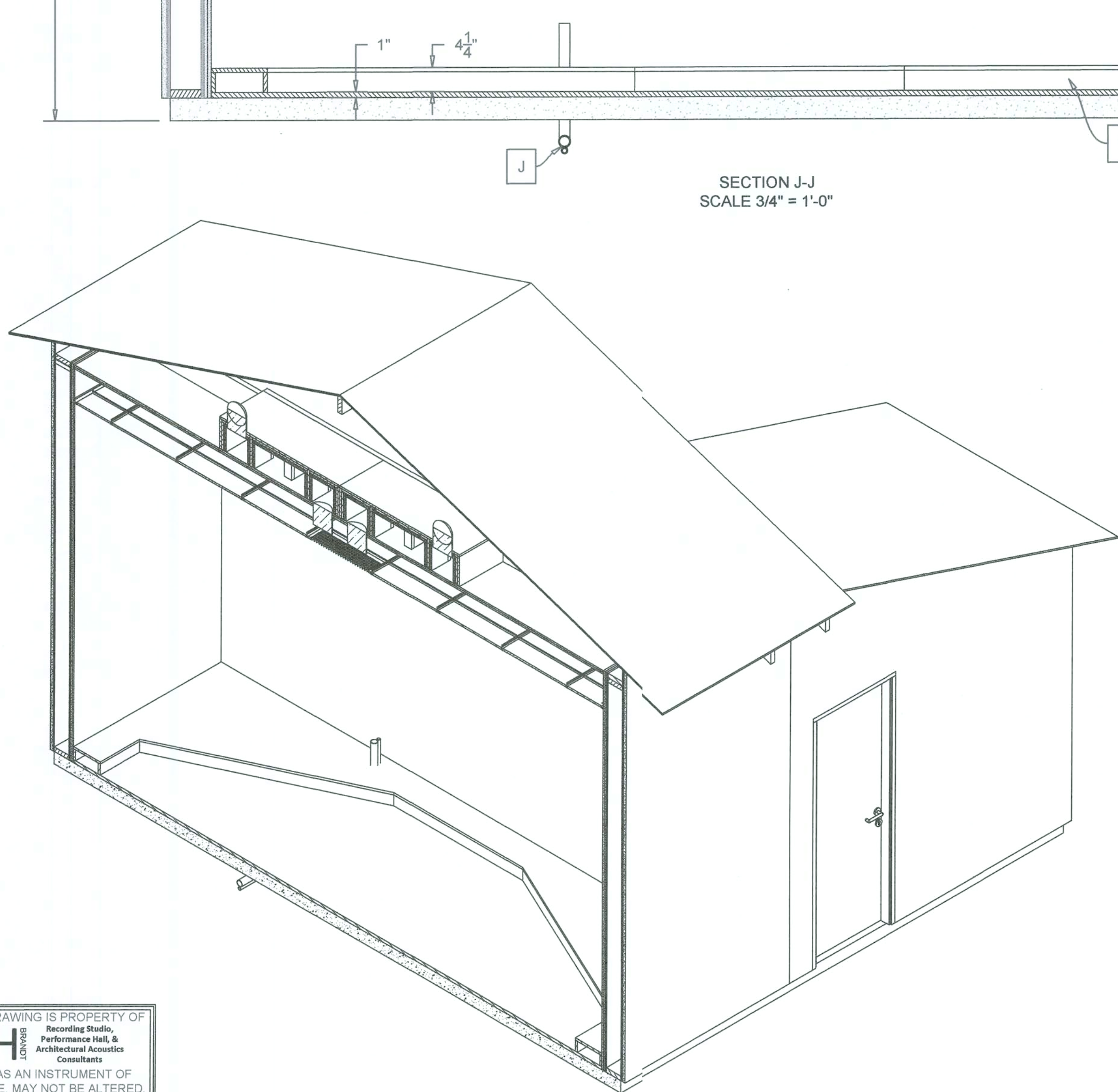
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- STUCCO
- DUCT LINER
- OSB / PLYWOOD
- GLASS
- DRYWALL
- HVAC
- CONCRETE SLAB
- LIGHTWEIGHT FIBERGLASS INSULATION
- POLYESTER DACRON
- RIGID FIBERGLASS

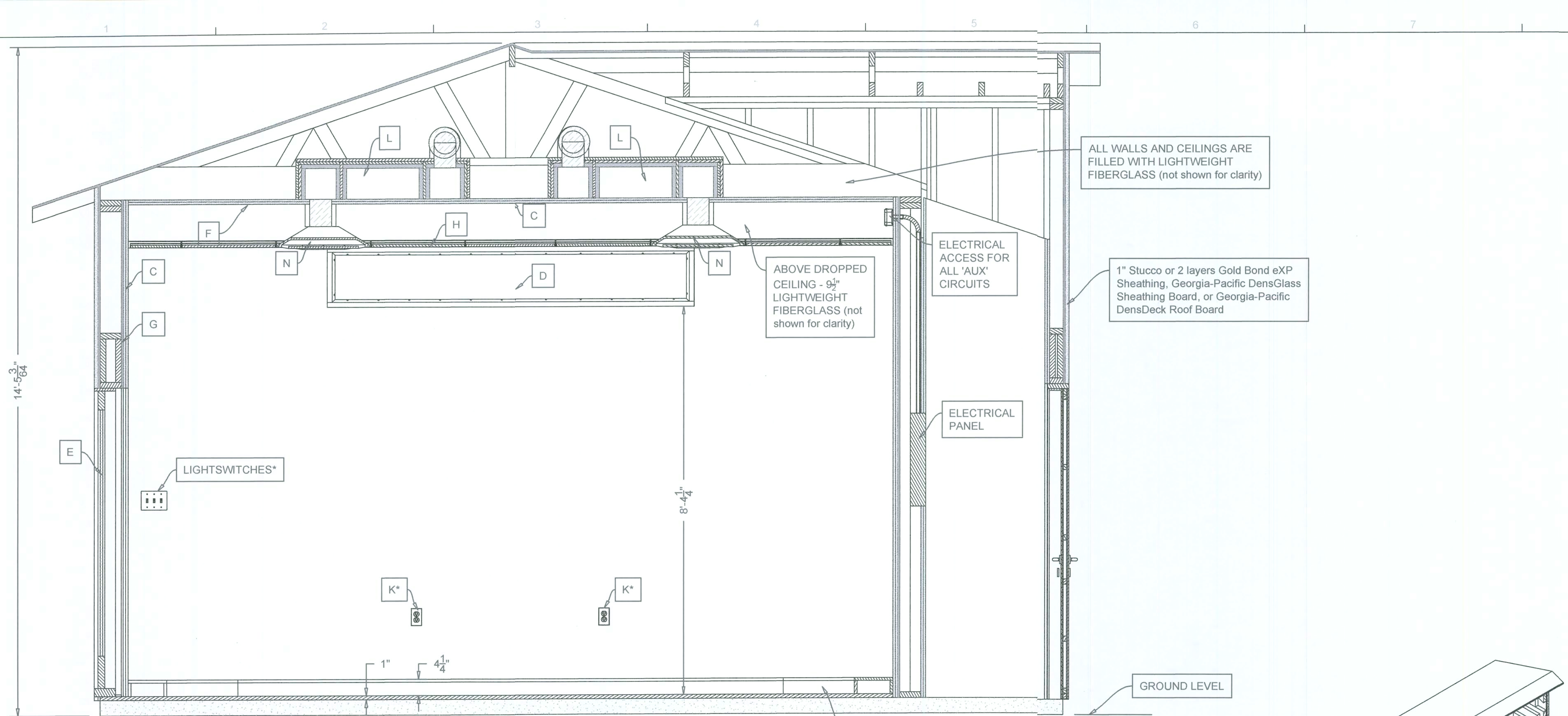
JH BRANDT
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Tel: +62 21 265 734 88 / +62 081510 111 774
email: john@jbrandt.net
web site: www.jbrandt.net

Project:
Recording Studio - Structural/HVAC/Elec - SECTION view
Order: John H. Brandt
Date: 06/16/2019
Client - Name & Address:
Michael Woods
Rice N Peas LLC
3216 St. Augustine Ct.
Kissimmee, FL 34746
United States
Job No.: 10809
Project Date: 07/03/2019
Sheet: 8 of 10

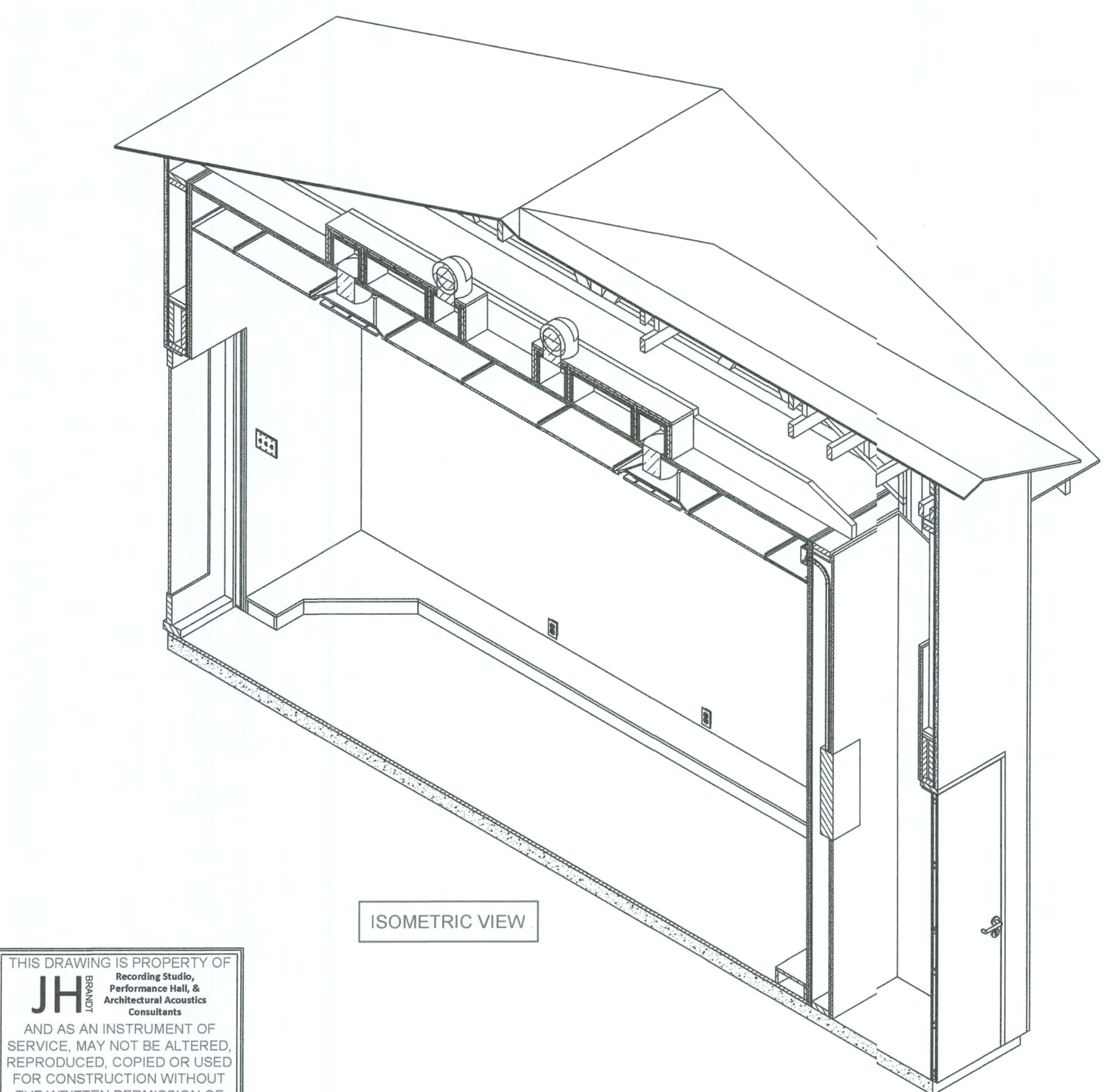
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Sheet: 8 of 10



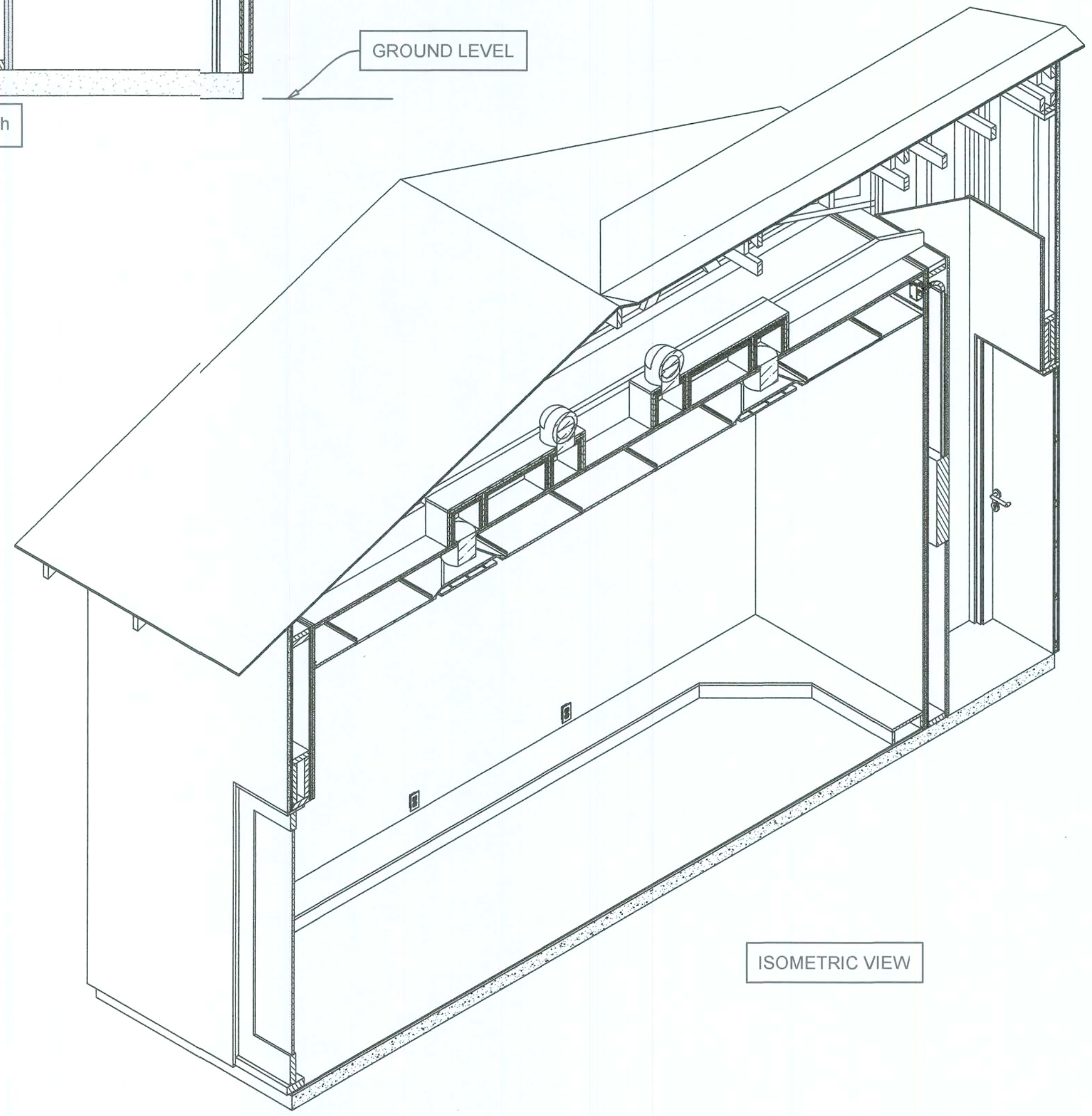
	Recording Studio, Performance Hall, & Architectural Acoustics Consultants		Project : Recording Studio - Structural/HVAC/Elec - SECTION view		Designed By: John H. Brandt	
	Order: John H. Brandt	Date: 03/10/2019	Client - Name & Address: Michael Woods Rice N Peas LLC 3216 St. Augustins Ct. Kissimmee, FL 37465 United States		Job No: 10809	Project Date: 07/03/2019
	Order:	Date:	Sheet : 9 of 10			
	Revisions:	Date:				
	Revisions:	Date:				
Summarecon Bekasi, Cluster Lotus, IA 20 Bekasi, West Java, Indonesia		Tel: +62 21 295 734 86 / +62 081510 111 774		Check: John H. Brandt		
email: john@brandt.net web site: www.jbrandt.net		Check:		Date: 03/10/2019		



SECTION K-K
SCALE 3/4" = 1'-0"



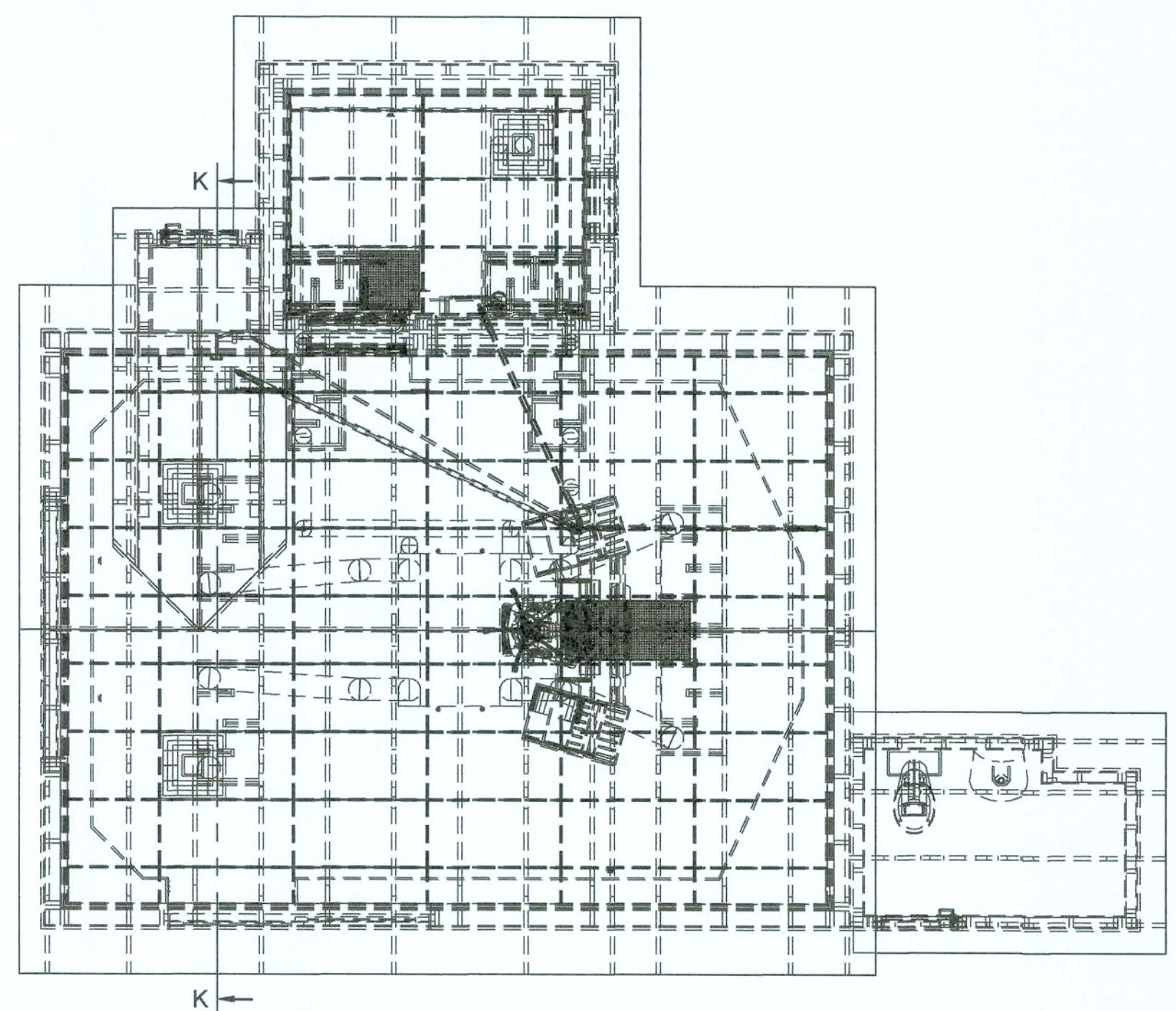
ISOMETRIC VIEW



ISOMETRIC VIEW

- STUCCO
- DUCT LINER
- OSB / PLYWOOD
- GLASS
- DRYWALL
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- CONCRETE SLAB
- LIGHTWEIGHT FIBERGLASS INSULATION
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F	Studs and structure	Follow 'best practice'. If DIY, see Dropbox Folder/Bonus Stuff/Complete Book of Framing An Illustrated Guide for Residential Construction.pdf And Dropbox Folder /ISOLATION/SFA_Framing_Guide.pdf
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H	Dropped Ceiling & Ceiling tiles	Dropbox Folder/TREATMENT/Ceiling Tiles(blder) and Dropbox Folder/TREATMENT/1221 Ceiling Tiles Custom.pdf Use only tiles that have NRC = 0.7 or better! Rectangular or Square tiles are fine! Use what you like but meet or exceed the spec above.
J	Studio Electrical	Dropbox Folder/ISOLATION/Grounding-Wiring-Zero-Loop-Area .pdf, AES Ground Loops-Rest of Story - Whittick-Fox - Generic Version.pdf, Transformer Isolation.pdf, and indy aes 2012 seminar w-notes v1.pdf - Use specialty products only as necessary, i.e.; transformer, surges, etc.
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M	Return Air Grille	Dropbox Folder/ISOLATION/CADDDF.pdf - page D7-10 for examples.
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K

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Recording Studio,
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Project:
Recording Studio - Structural/HVAC/Elec - SECTION view

Client - Name & Address:
Michael Woods
Rice N Peas LLC
3216 St. Augustine Ct.
Kissimmee, FL 34746
United States

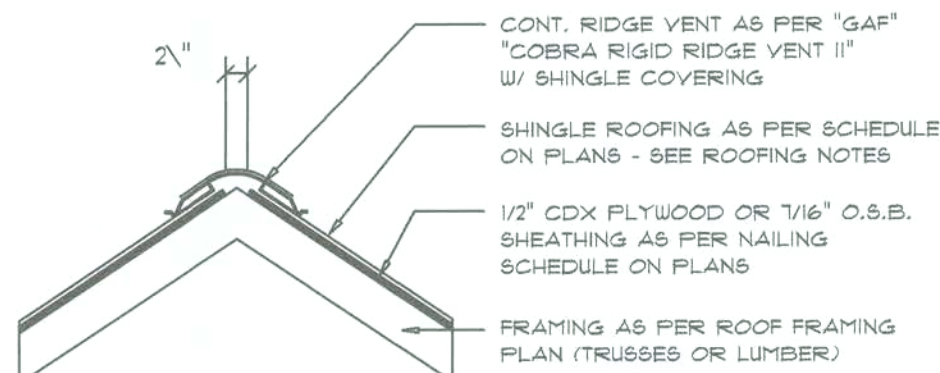
Designed By:
John H. Brandt
Job No:
10809
Project Date:
07/032019
Sheet:
10 of 10

CONCRETE / MASONRY / METALS GENERAL NOTES:

1. DESIGN SOIL BEARING PRESSURE: 1000 PSF.
2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
6. CONCRETE SHALL BE STANDARD MIX F_c = 3000 PSI FOR ALL FTGS. SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F_c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F_m = 1500 PSI.
8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
11. 2X4 P/T WOOD SILL, CONT., ALL AROUND, W/ 5/8"-A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 6" FROM EACH CORNER, EA. WAY, & WITHIN 6" FROM ALL WALL OPENINGS / ENDS - 1/2"-A.B. W/ 2" SQ. WASHERS ALONG EACH RUN @ 48" O.C., MAX. - ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 8" EMBEDMENT INTO THE CONCRETE.

NOTE!
PRIOR TO THE CONSTRUCTION OF THE FOUNDATION, THE CONTRACTOR SHALL COORDINATE ANY INTERIOR BEARING LOCATION CONDITIONS PER THE TRUSS ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY POINT LOADS OF 4.0 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN TAKING THESE LOADS INTO CONSIDERATION. THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR THE PURPOSE OF RENDERING SUCH MODIFICATIONS PRIOR TO POURING ANY CONCRETE.

INTERIOR BEARING WALLS:
IT IS THE BUILDING CONTRACTOR'S RESPONSIBILITY TO VERIFY WITH THE TRUSS ENGINEERING ANY AND ALL INTERIOR BEARING WALL LOCATIONS AND FURNISH THE ENGINEER OR ARCHITECT OF RECORD TRUSS INFO SO THICKENED FOOTINGS CAN BE SIZED AND LOCATED ON THE FOUNDATION PLAN.



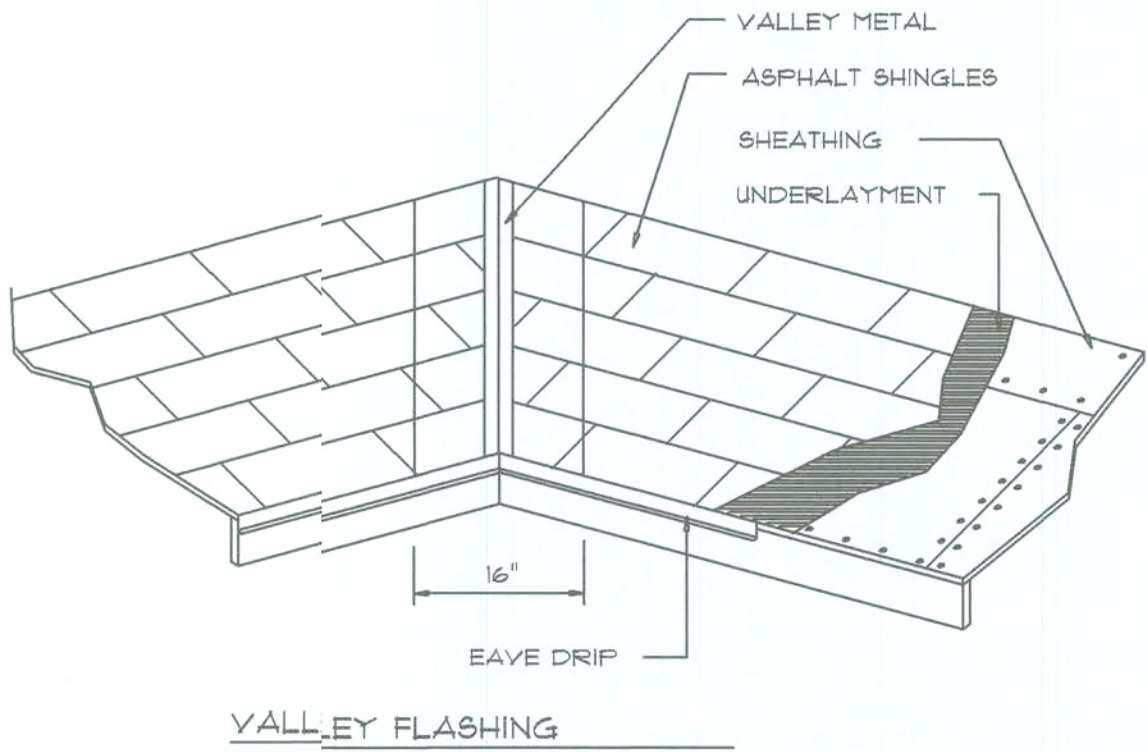
MIAMI/DADE PRODUCT APPROVAL REPORT: 198-0713-05

Ridge Vent DETAIL

SCALE: 3/4" = 1'-0"

B

AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1800 SF	24 LF	490 SQ.IN.
2000 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	800 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



Roofing/Flashing DETS.

SCALE: NONE

B

ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS			
MATERIAL	MINIMUM THICKNESS (in.)	GAGE	WEIGHT (OZ.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0175	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

GENERAL TRUSS NOTES:

1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND ITS CONNECTIONS", LATEST ED., ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIREMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

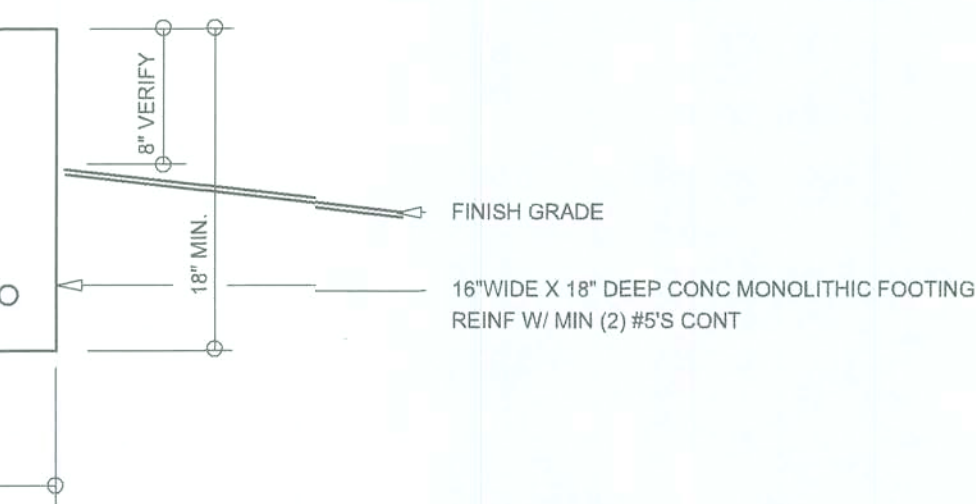
NOTE!

ANCHOR GIRDER TRUSSES(ES) TO HEADER WITH 2 "SIMPSON" LGT(2, 3 OR 4), ANCHOR HEADER TO KING STUDS W/ 2 "SIMPSON" ST22 EA. END - TYP., T.O.

NOTE!

REFER TO THE WINDOW/DOOR HEADER SCHEDULE ON SHEET S.4 FOR ALL MINIMUM SIZE HEADERS & ALTERNATES MINIMUM SIZE ALLOWABLE IS 2-2X10.

4" CONC. 3000 PSI MIN. FIBERMESH REINFD CONC. OVER 6 MIL POLY VAPOR BARRIER W/ JOINTS LAPPED 6" MIN. AND SEALED W/ POLY VAPOR TAPE, ON TERMITE TREATED SOIL (TERMITICIDE OR ALTERNATIVE METHOD), COMPACTED TO 95% MAX DRY DENSITY MOD PROCTOR.



SECTION

SCALE: 3/4" = 1'-0

A

S.1

ROOF PLAN NOTES

- R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH
- R-2 ALL OVERHANG 18" UNLESS OTHERWISE NOTED
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD.3
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

NOTE!

SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL ON SHEET SD.4

NOTE!

THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2017 PER R301.2.1.1 AND LOCAL JURISDICTION REQUIREMENTS

NOTE!

ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

WOOD STRUCTURAL NOTES

1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN N.2 HEM-FIR OR BETTER.
4. CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

SHOP DWG COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS. THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS OR AS APPROVED BY THE BUILDING OFFICIAL.

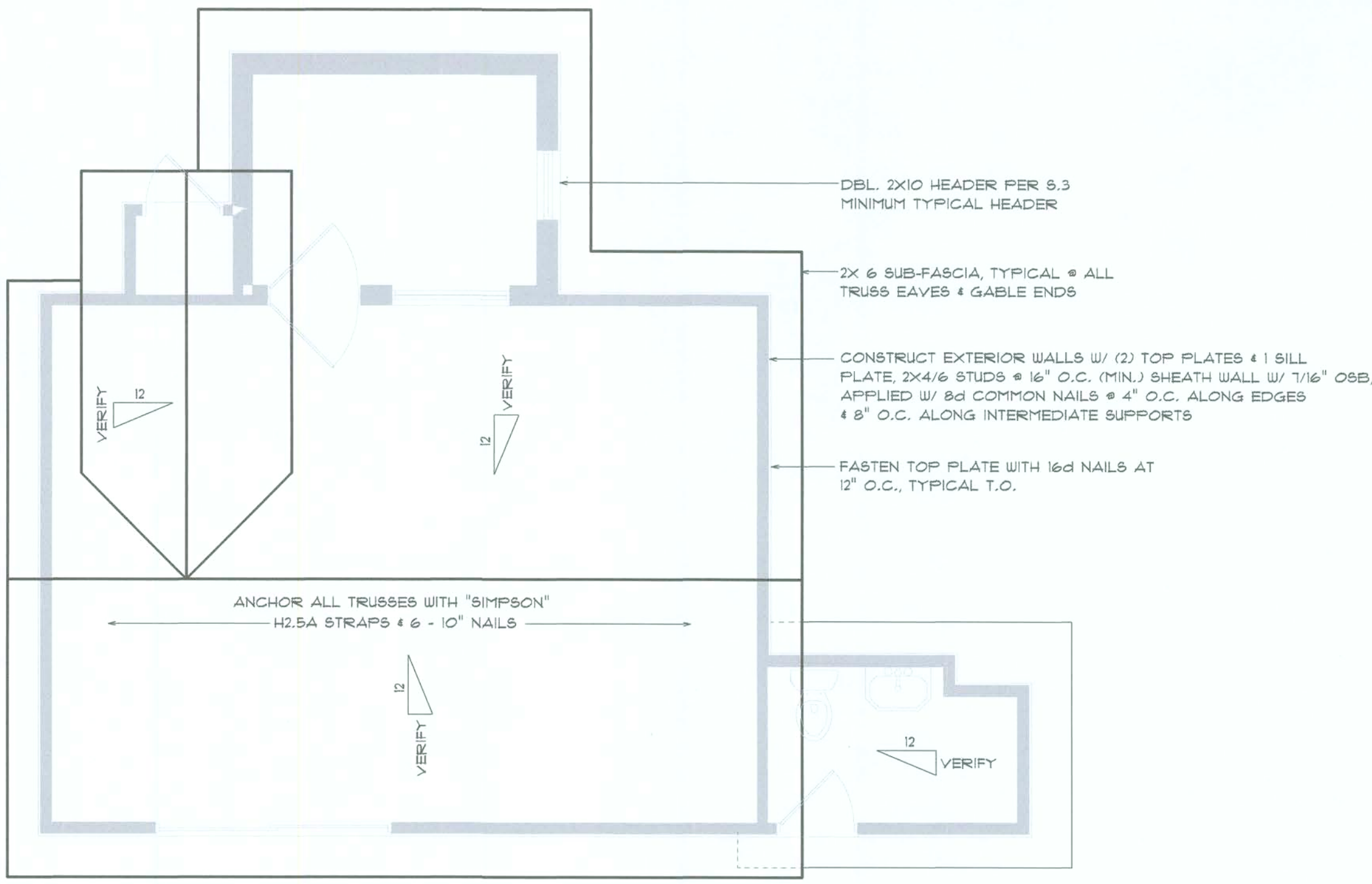
THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS. SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL NAILING. ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 LBS OR GREATER.

TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS. THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

PROJECT COORDINATION REQUIREMENTS

NOTICE!

THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES IN COLUMBIA COUNTY, FL AT THE TIME THEY ARE DRAWN. DUE TO VARYING STATE, LOCAL, AND NATIONAL CODES RULES AND REGULATIONS, N.P. GEISLER, ARCHITCT CANNOT WARRANT COMPLIANCE WITH ALL APPLICABLE STATE, LOCAL, AND NATIONAL CODES IN YOUR AREA OR WITH YOUR PARTICULAR SITE CONDITIONS. IT IS THE RESPONSIBILITY OF THE PURCHASER AND/OR BUILDER TO SEE THAT THE STRUCTURE IS BUILT IN STRICT COMPLIANCE WITH ALL GOVERNING MUNICIPAL CODES (CITY, COUNTY, STATE, AND FEDERAL). IF YOUR CITY OR STATE REQUIRES AN ENGINEER'S SEAL FOR THE SITE/CIVIL PORTIONS OF THE WORK, YOU WILL NEED TO HAVE THAT DONE LOCALLY BY A QUALIFIED, LICENCED PROFESSIONAL ENGINEER.



ROOF PLAN

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

(VERIFY WITH JH BRANDT DRAWINGS)

FOUNDATION PLAN

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

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS

REVISIONS
December 19, 2019

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

A NEW STUDIO FOR:
MICHAEL WOODS
PROJECT ADDRESS: 422 Steedley Drive, Lake City, Florida

SPARKS CONSTRUCTION, INC.
LAKE CITY, FLORIDA 32024

ARCOOTCOE
2019-12-19

NICHOLAS PAUL GEISLER
ARCHITECT
N.C.A.R.A. Certified

1758 NW Brown Rd.
COLUMBIA COUNTY, FL 32605
(386) 365-4355

JOB NUMBER
20190709

SHEET NUMBER
S.1

FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Gable & Hip Construction, Wood Trusses @ 24" O.C.
Walls: 2x4 & 2x6 Wood Studs @ 16" O.C.
Floor: 4" Thk. Concrete Slab W/ #4 rebar @ 24" O.C. ea. way.
Foundation: Continuous monolithic footing or /Stem Wall foundation system

ROOF DECKING

Material: 5/8" CDX Plywood or O.S.B.
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: 8d Commons or ring-shank nails per schedule on sheet S.4

SHEARWALLS

Material: 1/2" CD Plywood or 7/16" O.S.B.
Sheet Size: 48"x96" Sheets Placed Vertical, stagger each sheet.
Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior
Dragstrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C.
Wall Studs: 2x4 Wood Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

Truss Anchors: SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS
Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.
Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner
Corner Hold-down Device: (1) DTT22 (or equiv.) @ each corner
Porch Column Base Connector: Simpson ABU66/ABU66 @ each column
Porch Column to Beam Connector: Simpson EPC66/PC66 @ each column

FOOTINGS AND FOUNDATIONS

Footing: 18"x 16" Cont. W/ (2) #5 Bars Cont. on wire chairs or (1) #3 Transverse @ 24" O.C.
Stemwall: (Optional) 8" C.M.U. W/1-#5 Vertical Dowel @ 48" O.C.

STRUCTURAL DESIGN CRITERIA:

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2017 FLORIDA BUILDING CODE - PER #301.2.1.1 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.
- WIND LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "C"
BASED ON ANSI/ASCE 7-10, 2017 FBC 1609-A WIND VELOCITY: $V_{ULT} = 120$ MPH
 $V_{ASD} = 105$ MPH
- ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 20 PSF
SUPERIMPOSED LIVE LOADS: 20 PSF
- FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 25 PSF
SUPERIMPOSED LIVE LOADS:
RESIDENTIAL 40 PSF
BALCONIES 60 PSF
- WIND NET UPLIFT: ARE AS INDICATED ON PLANS

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

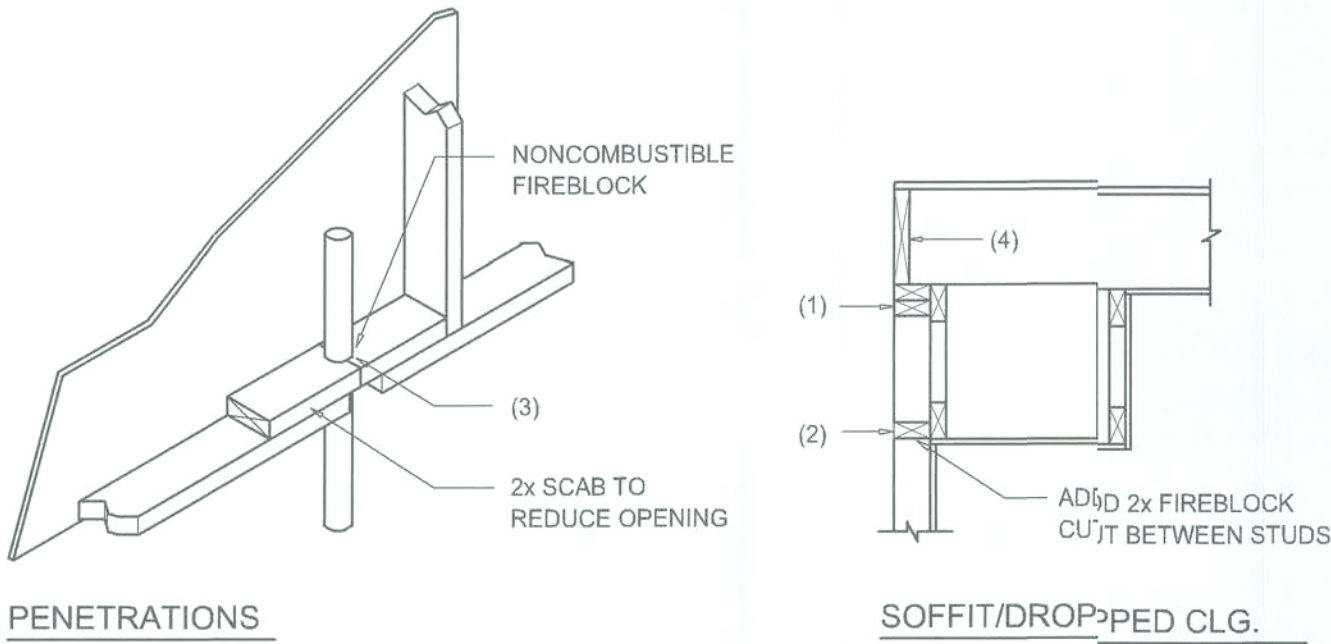
- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6".
EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
- BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3
- MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
- AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.6
- ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7
- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY # LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7
- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE, STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
- NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC. SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUF'R/MODEL	CAP.
TRUSS TO WALL:	SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS	960#
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785#
HEADER TO KING STUD(S):	SIMPSON ST22	1370#
PLATE TO STUD:	SIMPSON SP2	1065#
STUD TO SILL:	SIMPSON SP1	585#
PORCH BEAM TO POST:	SIMPSON PC44/EPC44	1700#
PORCH POST TO FND.:	SIMPSON ABU44	2200#
MISC. JOINTS	SIMPSON A34	315#/240#

NOTE:
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.
NOTE:
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.
NOTE:
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

NOTE:
"SEMCO" PRODUCT APPROVAL:
MIAMI/DADE COUNTY REPORT #95-0818.15
NOTE:
"SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04
SBCC1 NER-443, NER-393



FIREBLOCKING NOTES:

- FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:
- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
 - AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
 - AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"
 - AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE

A

		BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 21° TO 45°			
		Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH
ROOF 21° TO 45°	1 10	19.9 / -21.8	23.1 / -25.9	27.8 / -30.4	32.3 / -35.3
	1 20	19.4 / -20.7	23.0 / -24.6	27.0 / -28.9	31.4 / -33.5
	1 30	18.6 / -19.2	22.2 / -22.8	26.0 / -26.9	30.2 / -31.1
	2 10	19.9 / -25.5	23.1 / -30.3	27.8 / -35.6	32.3 / -41.2
	2 20	19.4 / -24.3	23.0 / -29.0	27.0 / -34.0	31.4 / -39.4
	2 30	18.6 / -22.9	22.2 / -27.2	26.0 / -32.0	30.2 / -37.1
WALL	3 10	19.9 / -25.5	23.1 / -30.3	27.8 / -35.6	32.3 / -41.2
	3 20	19.4 / -24.3	23.0 / -29.0	27.0 / -34.0	31.4 / -39.4
	3 30	18.6 / -22.9	22.2 / -27.2	26.0 / -32.0	30.2 / -37.1
	4 10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
	4 20	20.8 / -22.6	24.7 / -36.9	29.0 / -31.6	33.7 / -36.7
	4 30	19.9 / -21.3	23.2 / -29.4	27.2 / -29.8	31.6 / -34.6
5	10	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2
	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0
	30	19.9 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	1.00	1.21	1.47
20	1.00	1.29	1.55
25	1.00	1.35	1.61
30	1.00	1.40	1.66

		BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 1° TO 21°			
		Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH
ROOF 1° TO 21°	1 10	12.0 / -19.9	14.9 / -23.7	17.9 / -27.8	20.9 / -32.3
	1 20	11.4 / -18.4	13.6 / -23.0	16.0 / -27.0	18.9 / -31.4
	1 30	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
	2 10	12.9 / -34.7	14.9 / -41.3	17.9 / -48.4	20.9 / -56.2
	2 20	11.4 / -31.9	13.6 / -39.0	16.0 / -44.6	18.9 / -51.7
	2 30	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -49.7
WALL	3 10	12.9 / -51.3	14.9 / -61.0	17.9 / -71.6	20.9 / -83.1
	3 20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0	18.9 / -77.7
	3 30	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
	4 10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
	4 20	20.8 / -22.6	24.7 / -36.9	29.0 / -31.6	33.7 / -36.7
	4 30	19.9 / -21.3	23.2 / -29.4	27.2 / -29.8	31.6 / -34.6
5	10	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2
	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0
	30	19.9 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	1.00	1.21	1.47
20	1.00	1.29	1.55
25	1.00	1.35	1.61
30	1.00	1.40	1.66

General Roofing NOTES:

DECK REQUIREMENTS:
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT:
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE 1, OR ASTM D 4869, TYPE 1.
SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970.

ASPHALT SHINGLES:
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

ATTACHMENT:
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC PA 107-95.

UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFCRS INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEYS:
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.
1. FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1507.3.9.2.
2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLYS OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.
2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

NOTE !!!
ROOF SHINGLES SHALL BE AS MANUFACTURED BY "TAMKO ROOFING PRODUCTS" OF THE FOLLOWING MODELS:

GLASS-SEAL AR
ELITE GLASS-SEAL AR
HERITAGE 30 AR
HERITAGE 40 AR
HERITAGE 50 AR

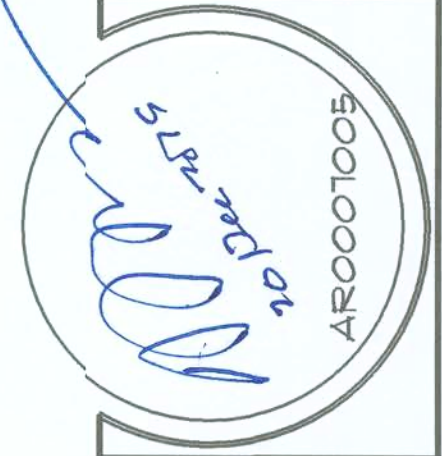
THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE 1 MODIFIED TO 110 MPH WINDS & FBC TAS 100, USING 4 NAILS/SHINGLE

REVISIONS
December 19, 2019

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A NEW STUDIO FOR:
MICHAEL WOODS
PROJECT ADDRESS: 422 Steedly Drive, Lake City, Florida
SPARKS CONSTRUCTION, INC.
LAKE CITY, FLORIDA 32024

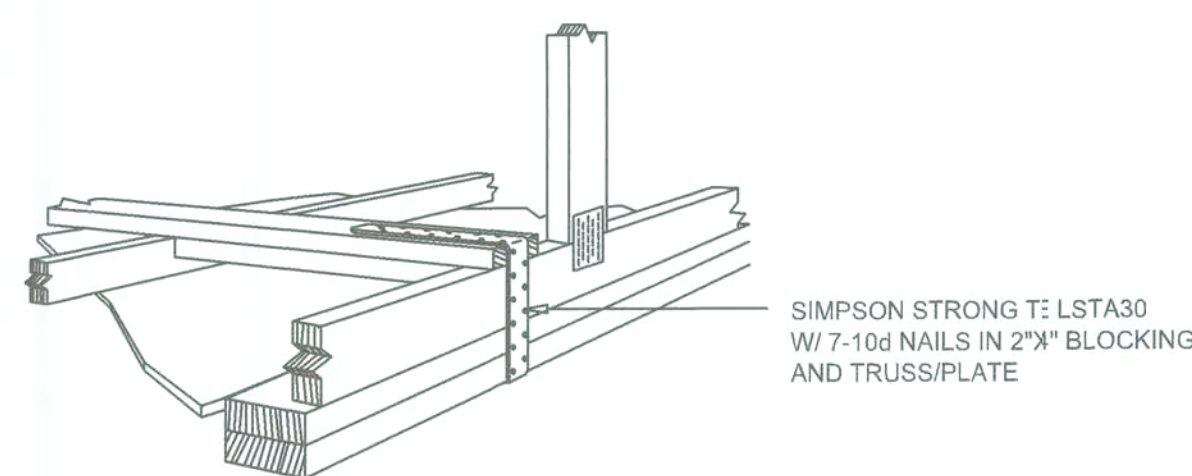


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SHEET NUMBER
S.2

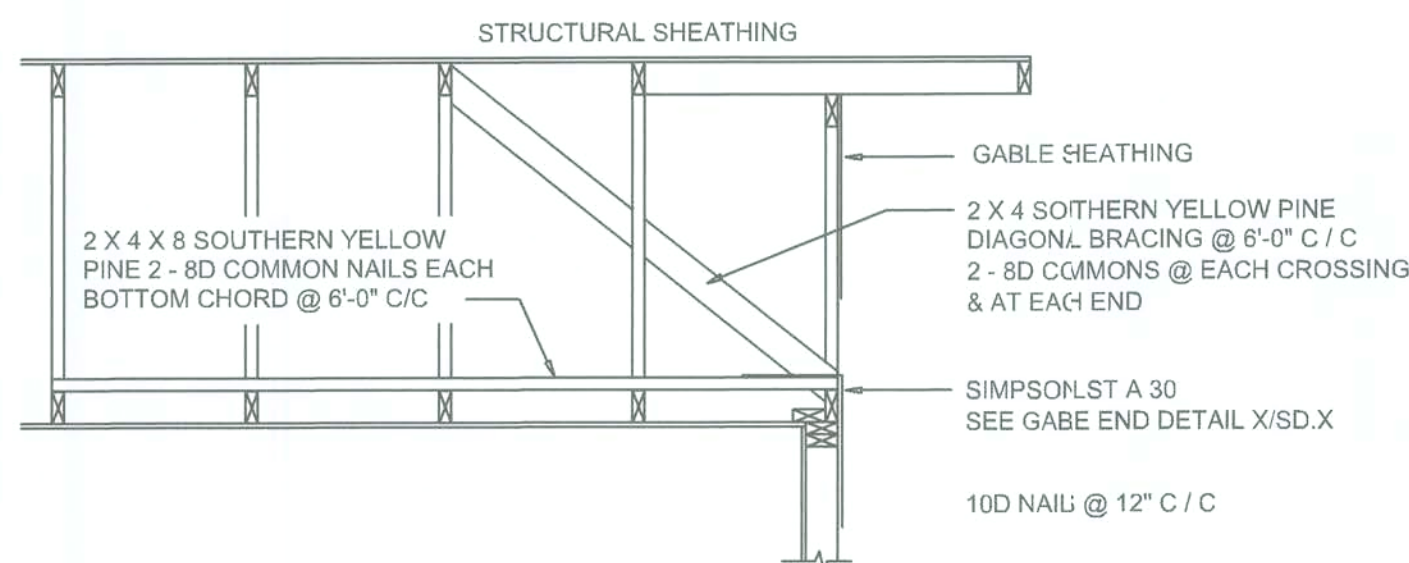
NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS



GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE

A.1



END WALL BRACING FOR CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMING)

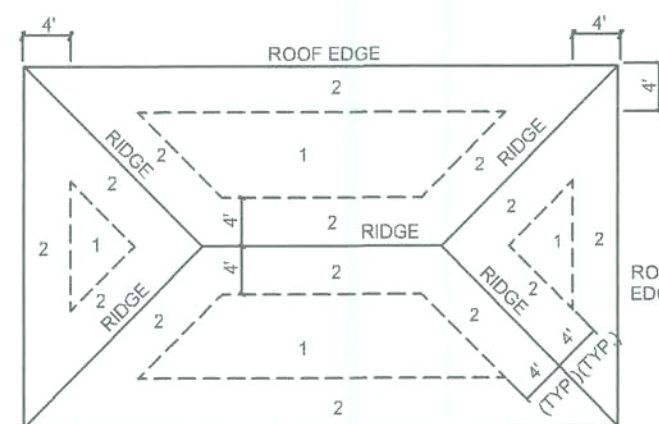
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

A

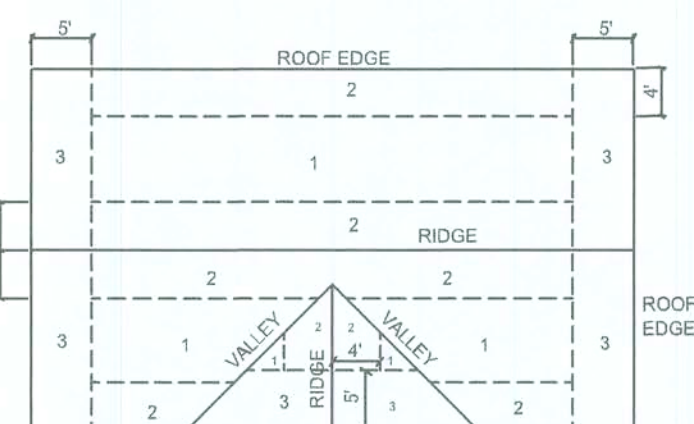
BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"						
	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH
ROOF 7'-0" TO 27'-0"	1	10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8	20.3 / -32.8
	1	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.5 / -31.1
	1	50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
	2	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
	2	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7
	2	50	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7
WALL	3	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.3
	3	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0	18.5 / -77.7
	3	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
	4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2
	4	20	20.8 / -22.6	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0
	4	50	19.5 / -21.3	23.2 / -29.3	27.2 / -34.3	31.6 / -38.8

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	7/16" O.S.B. OR 15/32 CDX	8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2			6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BUILDING HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15'	1.00	1.21	1.47
20'	1.00	1.29	1.55
25'	1.00	1.35	1.61
30'	1.00	1.40	1.66



ROOF SHEATHING NAILING ZONES (HIP ROOF)



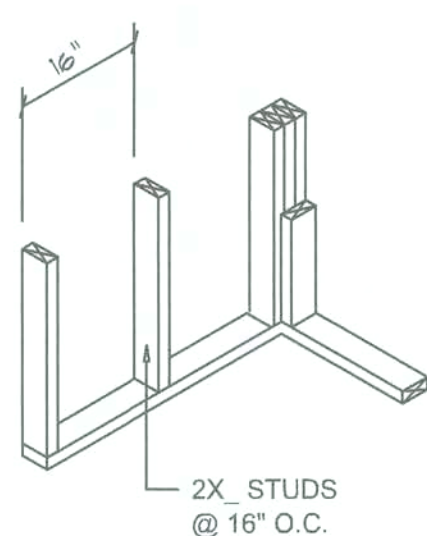
ROOF SHEATHING NAILING ZONES (GABLE ROOF)

Roof Nail Pattern DET.

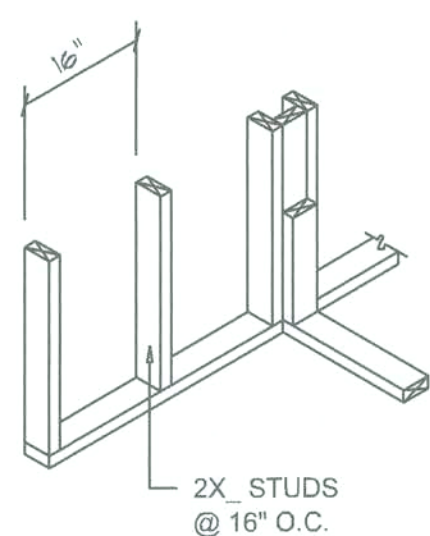
SCALE: NONE

B

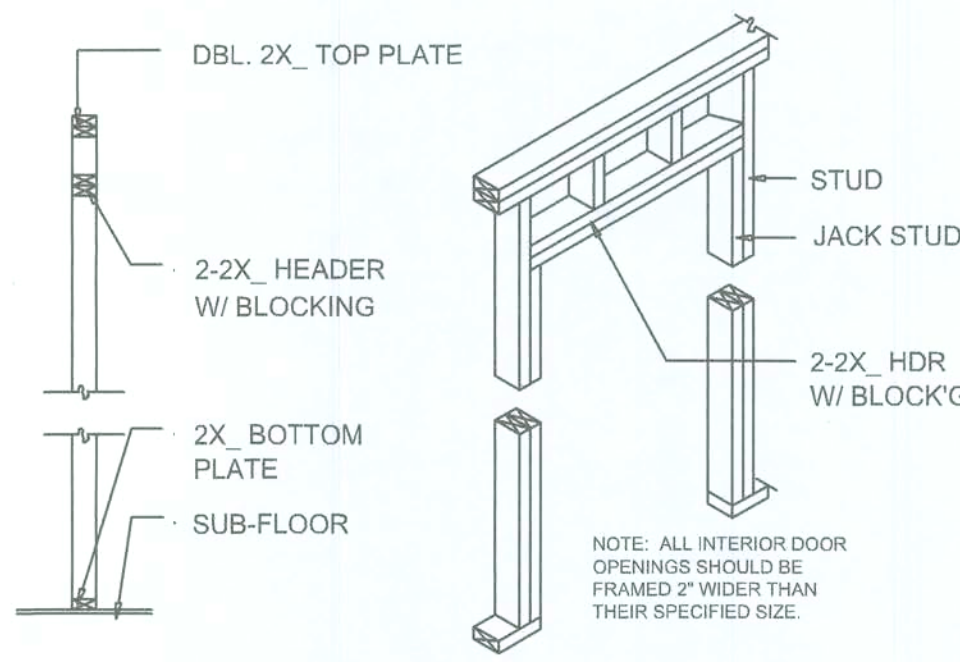
HEADER SPANS FOR EXTERIOR BEARING WALLS						
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)				
		20'	28'	36'		
ROOF, CEILING	2-2x4	3'-6"	3'-2"	2'-10"	1	1
	2-2x6	5'-5"	4'-8"	4'-2"	1	1
	2-2x8	6'-10"	5'-11"	5'-4"	1	1
	2-2x10	8'-5"	7'-3"	6'-6"	2	2
	2-2x12	9'-9"	8'-5"	7'-6"	2	2
	3-2x8	8'-4"	7'-5"	6'-8"	1	1
	3-2x10	10'-5"	9'-1"	8'-2"	1	1
	3-2x12	12'-2"	10'-7"	9'-5"	2	2
	4-2x8	9'-2"	8'-4"	9'-2"	1	1
	4-2x10	11'-8"	10'-6"	9'-5"	1	1
	4-2x12	14'-1"	12'-2"	10'-11"	1	1



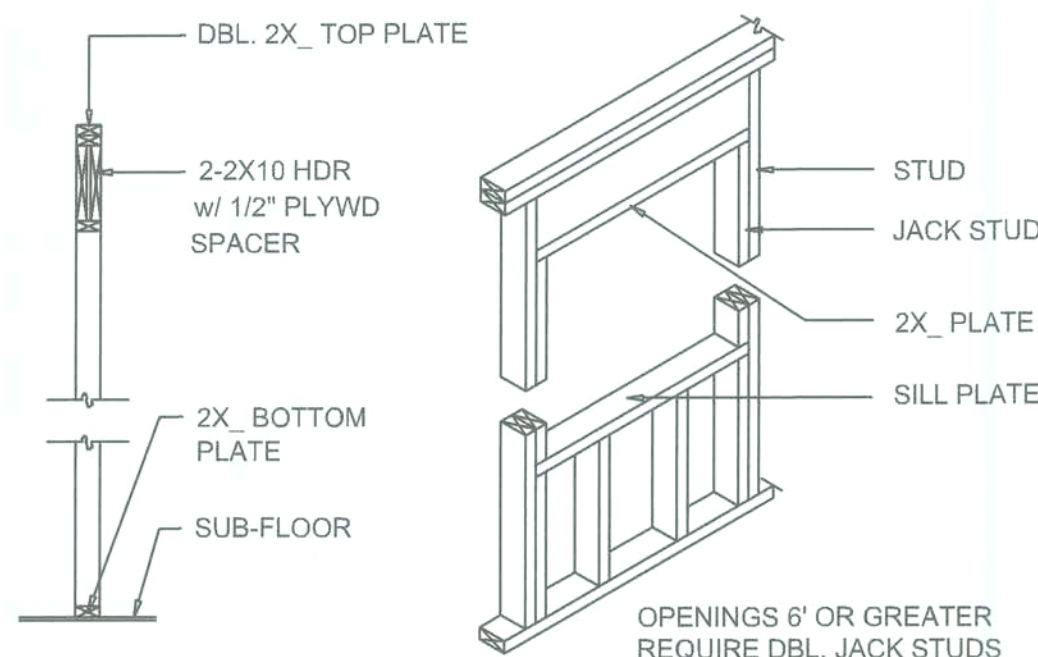
WALL CORNER



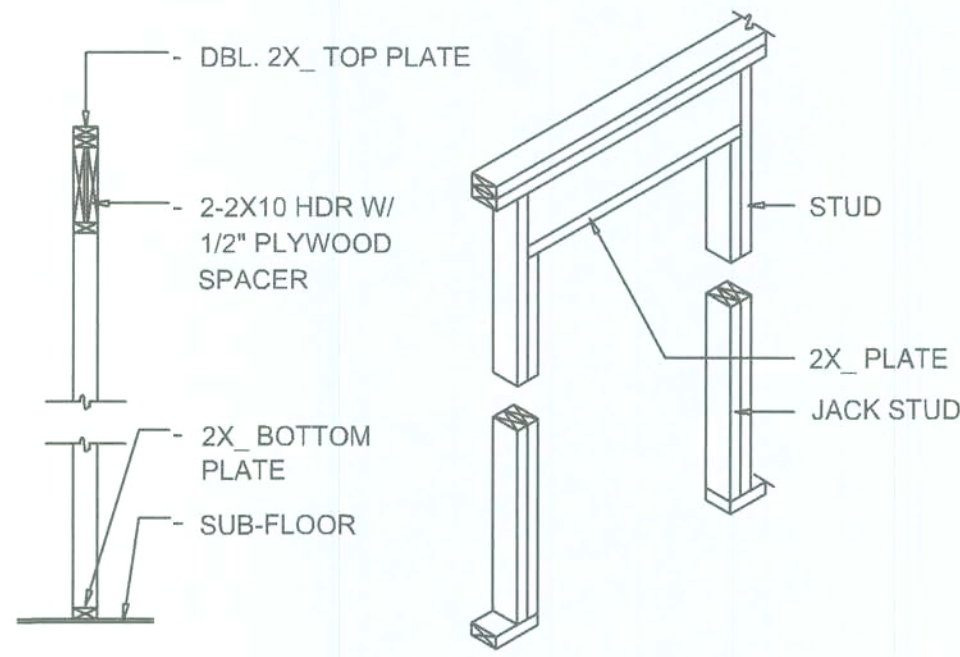
WALL INTERSECTION



NON-BEARING WALL HEADER



TYPICAL WINDOW HEADER



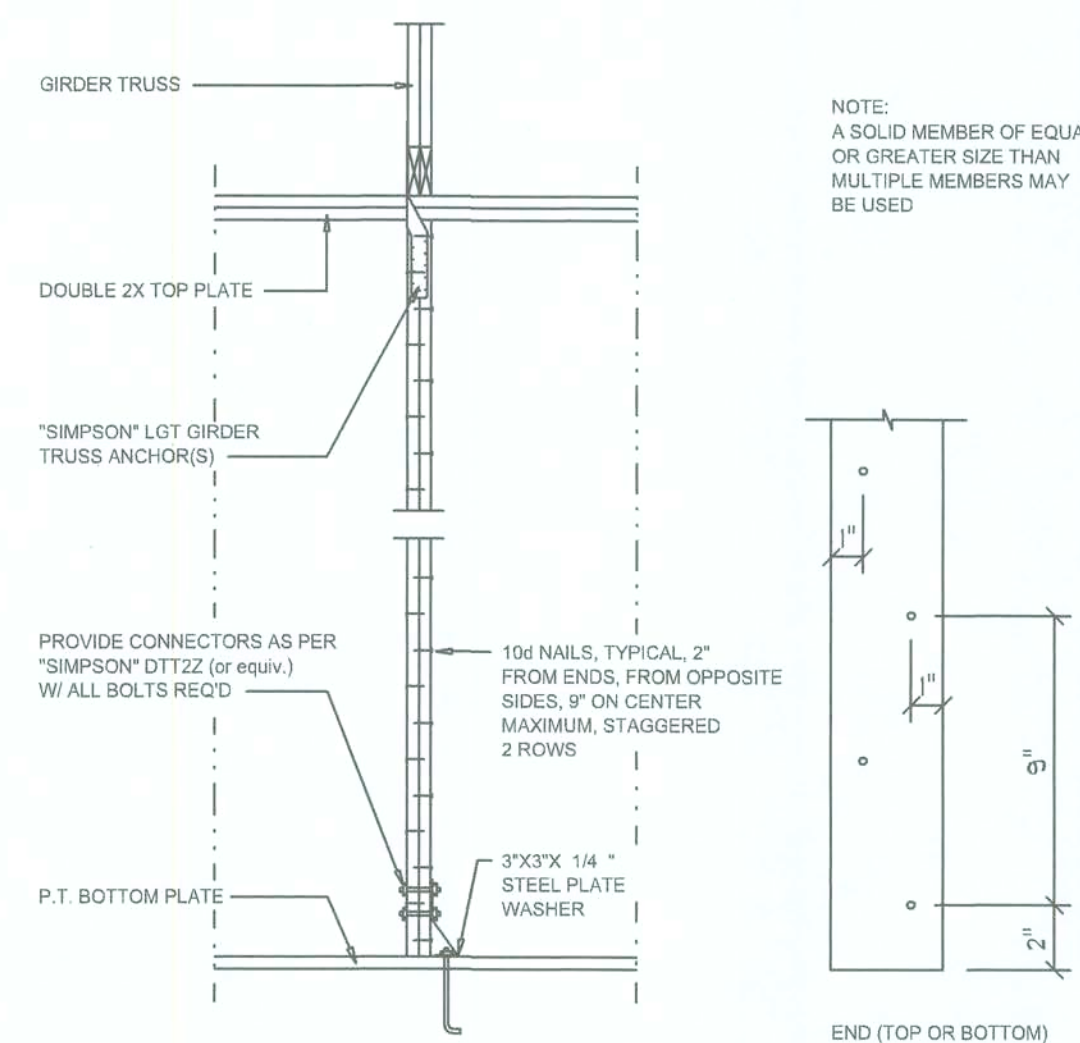
BEARING WALL HEADER

Wall Framing/Header DETAILS

SCALE: NONE

F

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS



Girder Truss Column DET.

SCALE: 1/2" = 1'-0"

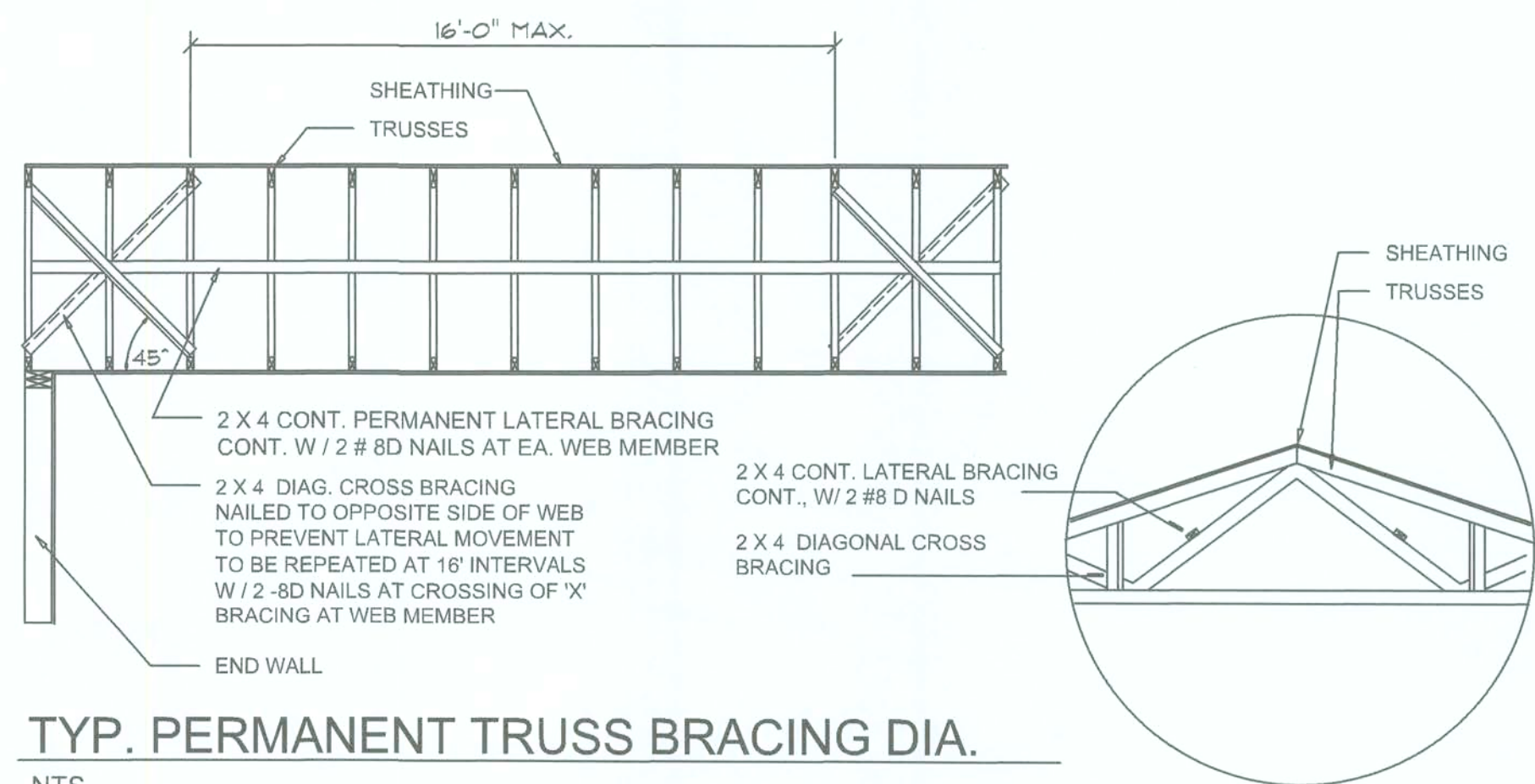
"WindSTORM" ALT. SHEATHING METHOD:

ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SP18SP2 OR SP4 STRIPS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL ALLOWED AS FOLLOWS:

1. APPLY VERTICALLY, "WindSTORM" 7/16" OSB 48" X 97", 109", 121" OR 145" SHEATHING. FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 8d COMMONS @ 3" O.C. OR 8d COMMONS @ 4" O.C. FASTEN TO EACH STUD WITH EITHER 8d COMMONS @ 6" O.C. OR 8d COMMONS @ 8" O.C.

Alternate "Titan" bolt concrete anchor system

ANCHOR SILL PLATE WITH 5/8" TITAN ANCHOR BOLT, PLACED AT 40" O.C. AROUND PERIMETER OF SLAB AND ALL INTERIOR BEARING WALLS.



TYP. PERMANENT TRUSS BRACING DIA.

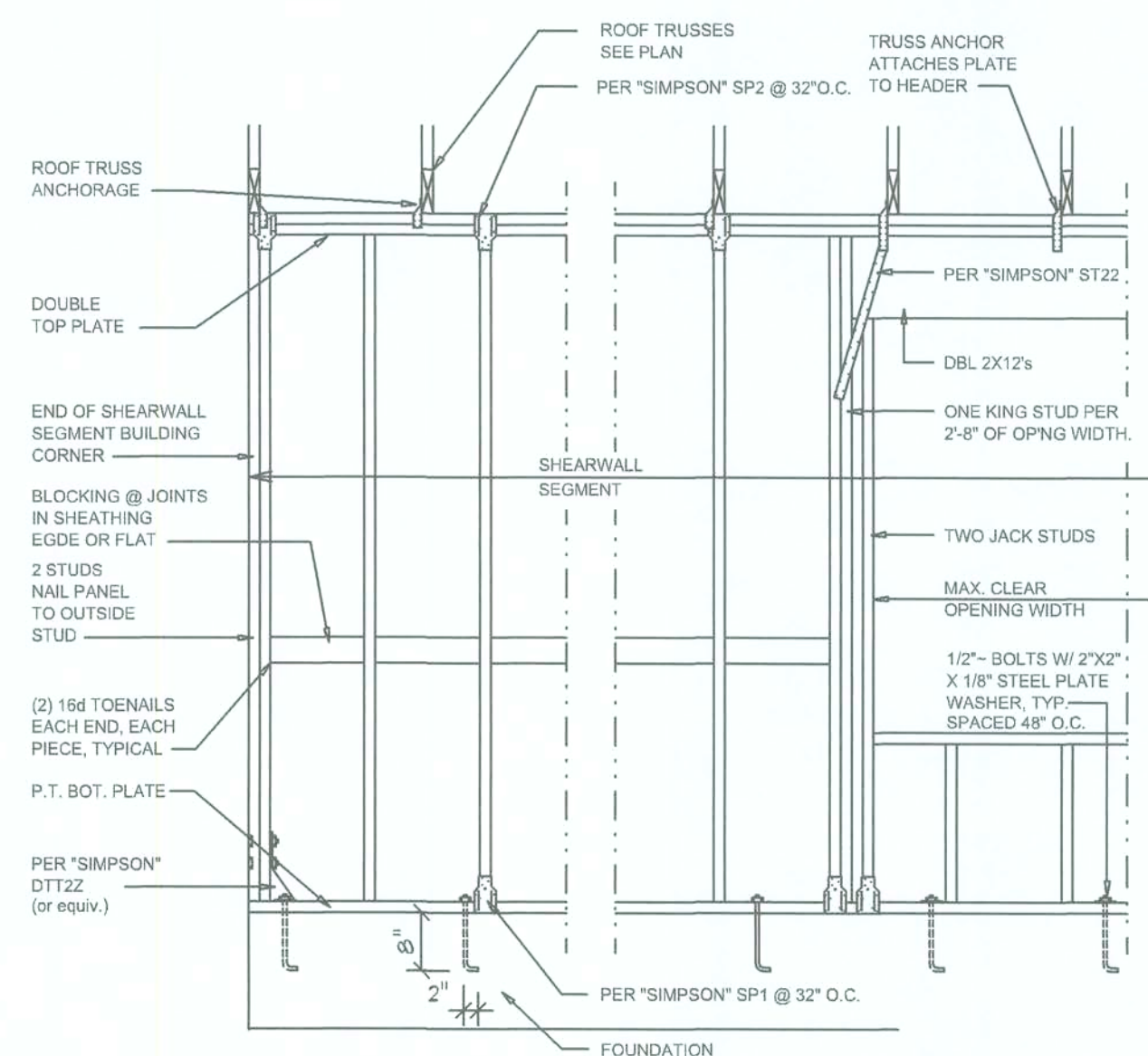
NTS

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED

D



SHEARWALL NOTES:

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97/SBCCI 305.4.3.
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
4. NAIL SPACING SHALL BE 4" O.C. EDGES AND 8" O.C. IN THE FIELD.
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/8 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 8'-0" WALLS (2'-3").

OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

Shear Wall DETAILS

SCALE: NONE

E

REVISIONS	
December 19, 2019	

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

A NEW STUDIO FOR:
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2020
ARCOOTOC

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SHEET NUMBER
S.3