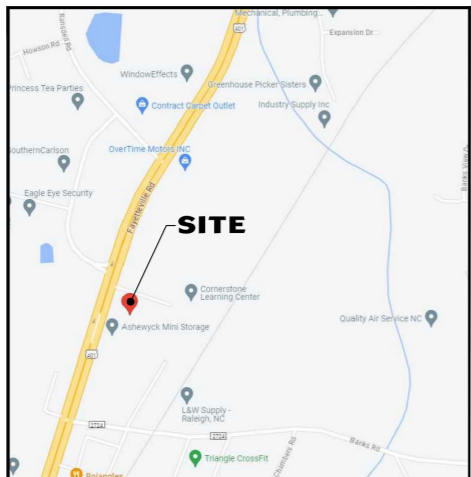


ABBREVIATIONS

Table of abbreviations and their corresponding full names, including terms like ANGLE, AIR CONDITIONING, ACQUISITION, etc.



VICINITY MAP ZONE: GC-CZD 9739 FAYETTEVILLE RD, FUQUAY-VARINA NC NO SCALE

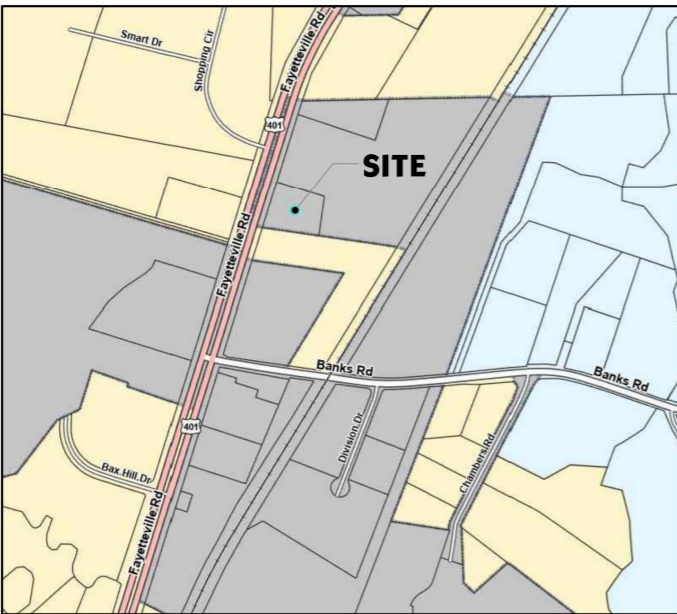
SCOPE OF WORK

FAITH DEVELOPMENT MINISTRIES CENTER, LLC PROJECT LOCATED AT 9739 FAYETTEVILLE ROAD IN FUQUAY-VARINA, WILL BE AN ASSEMBLY (A1) OCCUPANCY. THE MAIN ROOM WILL BE A SOUND STUDIO FOR RECORDING LIVE MUSIC...

1004.3 POSTING OF OCCUPANT LOAD

POSTING OF OCCUPANT LOADS SHALL BE IN ACCORDANCE WITH SECTION 204.11.2 OF THE NORTH CAROLINA ADMINISTRATIVE CODE AND POLICIES

PROPERTY LOCATION



CONSTRUCTION NOTES

- 1. GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

GENERAL NOTES:

- 1. CONTRACTOR TO REVIEW AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- 2. CONTRACTOR TO SUBMIT ALL APPLICABLE PERMIT DOCUMENTS, QUALIFICATIONS, ETC., AND BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH PERMIT.

BUILDING DATA

CONTACT INFORMATION: NAME OF PROJECT: FAITH DEVELOPMENT MINISTRIES CENTER; BUILDING ADDRESS: 9739 FAYETTEVILLE RD, FUQUAY-VARINA, NC 27526; OWNING AGENCY: FAITH DEVELOPMENT MINISTRIES, INC.

AREA SQUARE FOOTAGE CALCULATIONS, MAIN HOUSE: GROSS SQUARE FOOTAGE OF NEW CONSTRUCTION: 2,862; NET HEATED: 2,862

GENERAL CONDITIONS

- 1. THE GENERAL CONTRACTOR IS TO GUARANTEE ALL WORK INCLUDING WORK DONE BY SUBCONTRACTORS FOR A PERIOD OF ONE (1) YEAR COMMENCING WITH THE DATE OF ACCEPTANCE OF THE SPACE BY THE OWNER.
- 2. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH ALL GOVERNING ORDINANCES AND AUTHORITIES HAVING JURISDICTION.

STRUCTURAL ENGINEER FOR TRUSSES TO COORDINATE WITH MECHANICAL CONTRACTOR TO PROVIDE SPATIAL NEEDS AROUND MECHANICAL UNITS AND WITH ATTIC ACCESS.

SEALANT NOTES:

- 1. PROVIDE A CONTINUOUS BEAD OF SEALANT (OR GASKET) BETWEEN GYP. BD. AND INSIDE OF EXTERIOR WALL FRAMING AT THE TOP, BOT, AND CORNERS.
- 2. PROVIDE A CONTINUOUS GASKET UNDER BASE PLATE OF EXTERIOR WALLS.

WINDOW NOTES

SEE ELEVATIONS SHEET FOR WINDOW DIMENSIONS. THESE DIMENSIONS REPRESENT THE SASH DIMENSIONS, NOT THE ROUGH OPENING DIMENSIONS. A WINDOW CONSULTANT FOR THE OWNER'S SELECTED WINDOW COMPANY IS STRONGLY ADVISED.

CRAWL SPACE VENT CALC.

AS PER SECTION R408 'UNDER-FLOOR SPACE': 1 SF FOR 150 SF OF CRAWL SPACE AREA.

ATTIC VENT. REQUIREMENTS

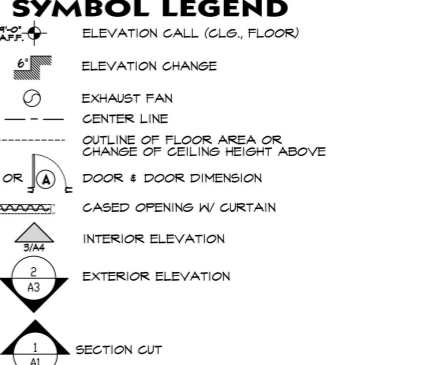
REQUIRED VENTILATION: NORTH CAROLINA RESIDENTIAL CODE/2018 SECTIONS R806.1 & R806.2. THE TOTAL NET FREE VENTILATING AREA SHALL NOT BE LESS THAN 1/50 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT REDUCTION OF THE TOTAL AREA TO 1/300 IS PERMITTED...

CROSS CONNECTION NOTE:

AN RPZ VALVE ASSEMBLY SHALL BE INSTALLED, INSPECTED AND CERTIFIED FOR THIS BUILDING. OWNER Annual Testing Requirements AFTER AN APPROVED BACKFLOW PREVENTION (BFP) ASSEMBLY HAS BEEN INSTALLED AND TESTED...

INDEX OF DRAWINGS

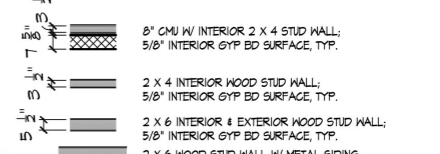
Table listing drawing titles and sheet numbers, including ARCHITECTURAL (G1, BC-1, BC-2, BC-3), ENGINEERING (E-1, E-2, M-1, M-2, P-1), and SYMBOL LEGEND.



TYP. PARTITION TYPES

- 1. (1) LAYER 5/8" GYP. BD. EACH SIDE. CARRY GYP. BD. TO BOTTOM OF CEILING JOISTS.
- 2. 2 X 4 WOOD STUDS @16" O.C. (TYP.)
- 3. 2 X 4 P.T. SOLE & DBL TOP PLATES (NOT SHOWN). TOP OF WALL @ 8'-1 1/2" A.F.F.

WALL LEGEND



1ST REVIEW COMMENTS

- #6. Please specify the header size over double door west entry on sheet A4.1. THIS HEADER SPEC HAS BEEN ADDED TO THE PLAN.
- #7. Ceiling joists shown above mechanical room are shown as being framed on a non-loadbearing wall. Please clarify.

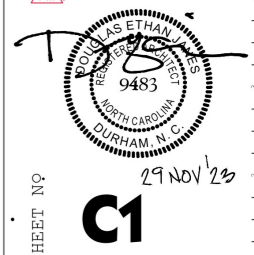
DOUGLAS JANES ARCHITECT 1309 VICKERS AVENUE DURHAM, NORTH CAROLINA 919.308.2984

ethanjanes@gmail.com MADE IN USA

FAITH DEV. MIN. CENTER NEW BUILDING 9739 FAYETTEVILLE RD, FUQUAY-VARINA, NC

SHEET CONTENTS

COVER SHEET GENERAL NOTES PROJECT NUMBER 2111 DRAWN BY: dej DATE: 8 DEC. 2023 DOUGLAS JANES ARCHITECT 2023 HEREBY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE DRAWINGS...



FAITH DEV. MIN. CENTER NEW BUILDING

9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

SHEET CONTENTS

FLOOR PLAN
GENERAL NOTES

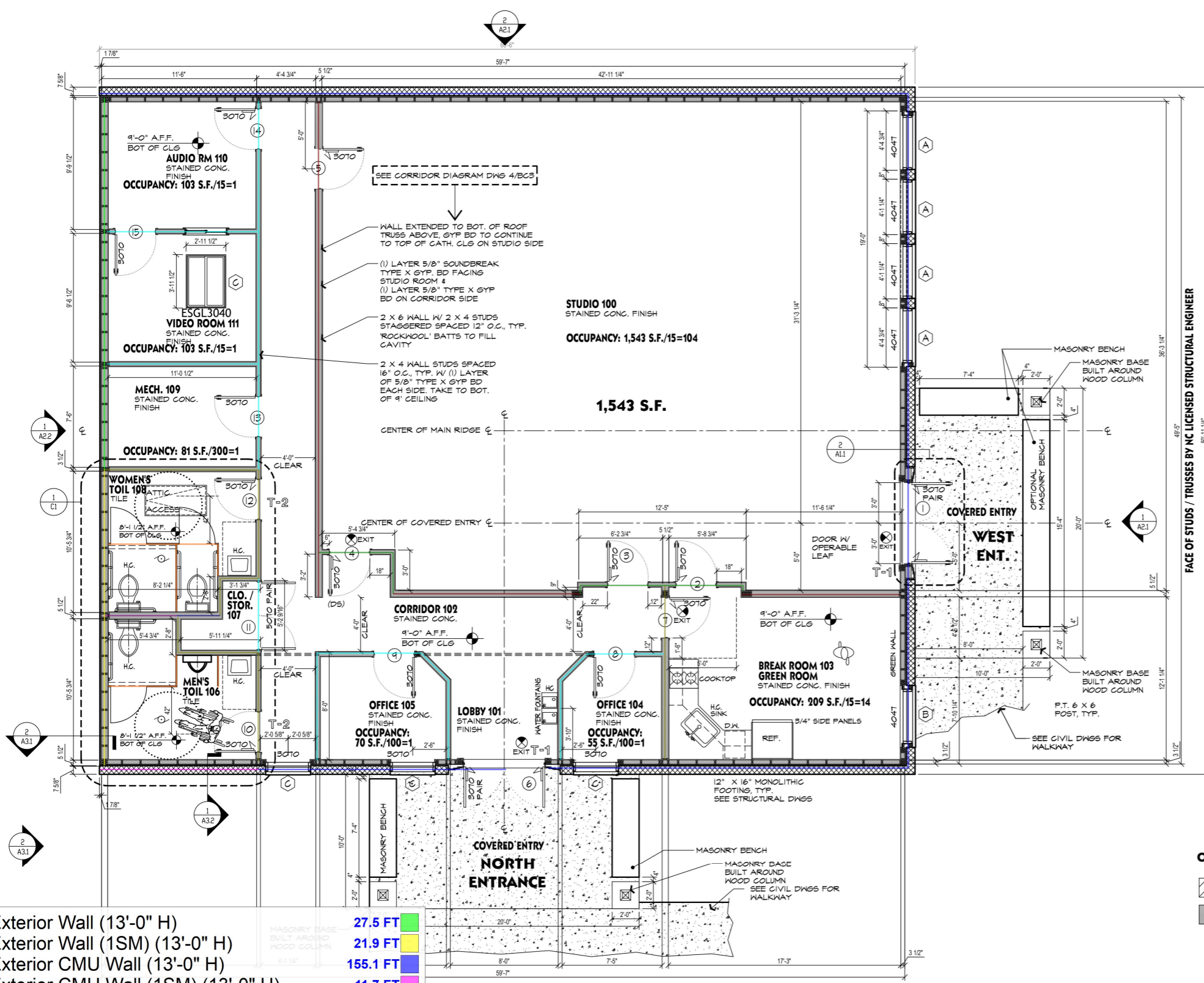
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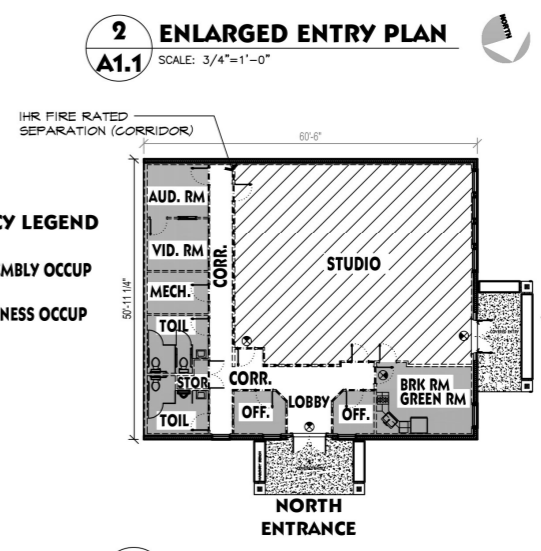
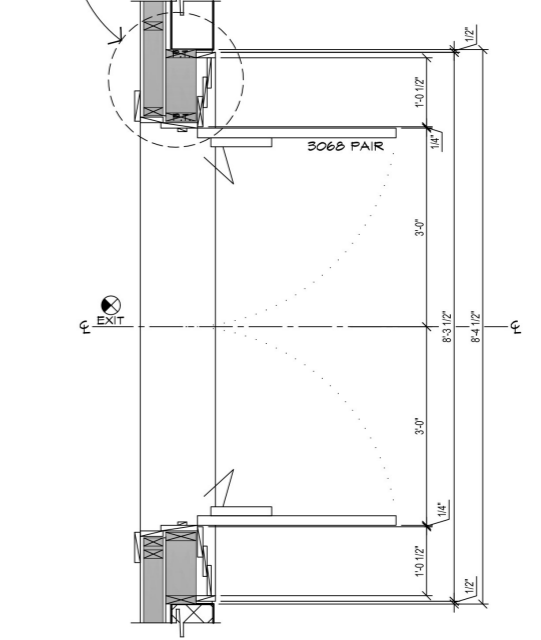
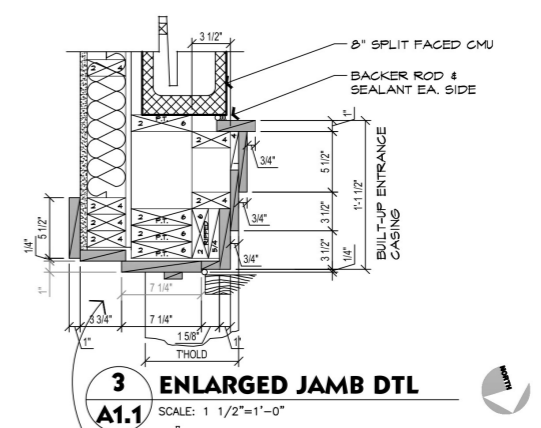


SHEET NO

A1.1



6" Exterior Wall (13'-0" H)	27.5 FT
6" Exterior Wall (1SM) (13'-0" H)	21.9 FT
8" Exterior CMU Wall (13'-0" H)	155.1 FT
8" Exterior CMU Wall (1SM) (13'-0" H)	11.7 FT
4" Interior Wall (13'-0" H)	94.0 FT
6" Interior Wall (13'-0" H) @ 12" O.C.	62.4 FT
4" Interior Wall (13'-0" H) @ 12" O.C.	21.7 FT
4" Interior Wall (1SM) (13'-0" H)	41.8 FT
6" Interior Wall (1SM) (13'-0" H)	3.2 FT
6" Interior Wall (2SM) (13'-0" H)	5.4 FT
Toilet Partition	25.3 FT
6" Interior Wall (13'-0" H)	12.9 FT



FAITH DEV. MIN. CENTER NEW BUILDING

9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

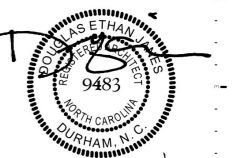
SHEET CONTENTS

FLOOR PLAN
GENERAL NOTES

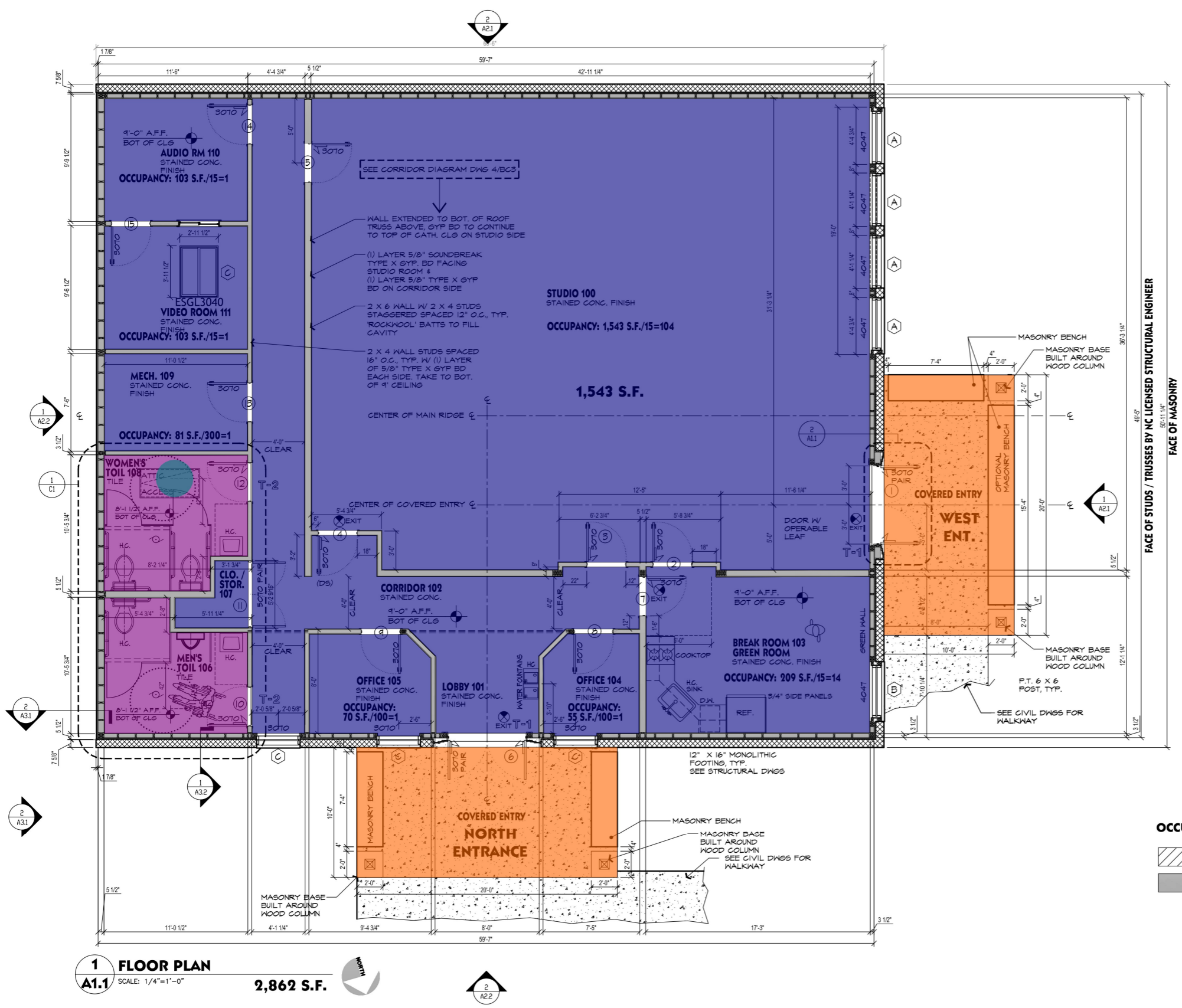
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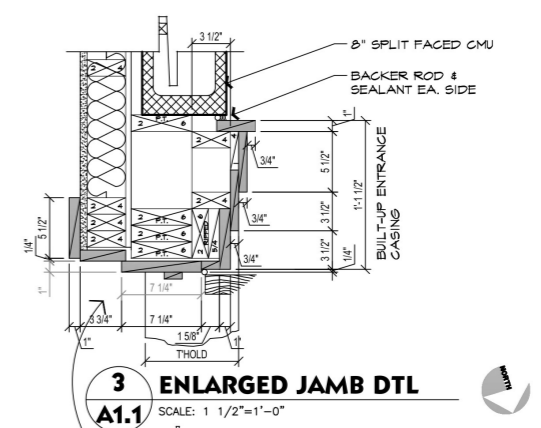


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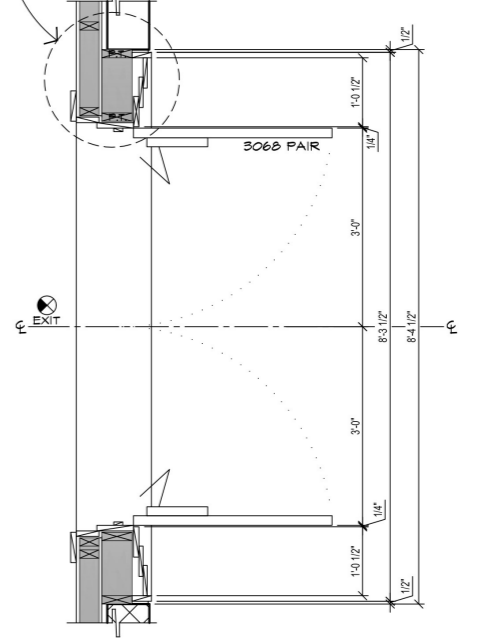


1 FLOOR PLAN
A1.1 SCALE: 1/4"=1'-0"
2,862 S.F.

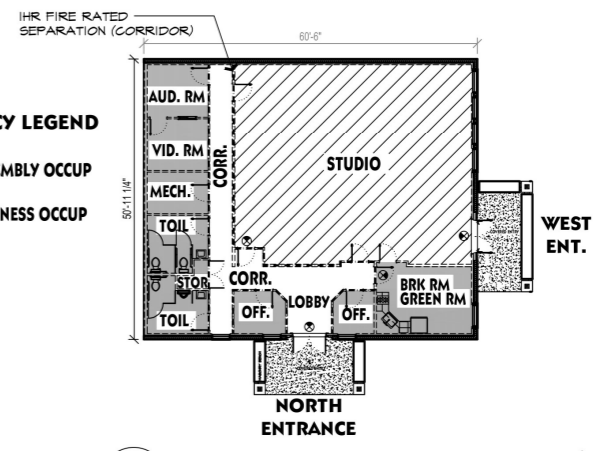
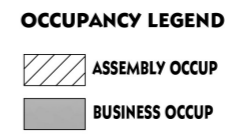
5/8" Gypsum Board Ceiling	2559.2 SQ FT
5/8" Moisture Resistant Gypsum Board C...	206.9 SQ FT
Soffit Ceiling	401.0 SQ FT
4'-6" X 2'-2" Attic Access	1.0 EA



3 ENLARGED JAMB DTL
A1.1 SCALE: 1 1/2"=1'-0"



2 ENLARGED ENTRY PLAN
A1.1 SCALE: 3/4"=1'-0"



3 KEY PLAN
A1.1 NTS

FACE OF STUDS / TRUSSES BY NC LICENSED STRUCTURAL ENGINEER

STUDIO 10

FAITH DEV. MIN. CENTER

NEW BUILDING

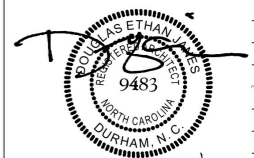
9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

SHEET CONTENTS

FLOOR PLAN
GENERAL NOTES

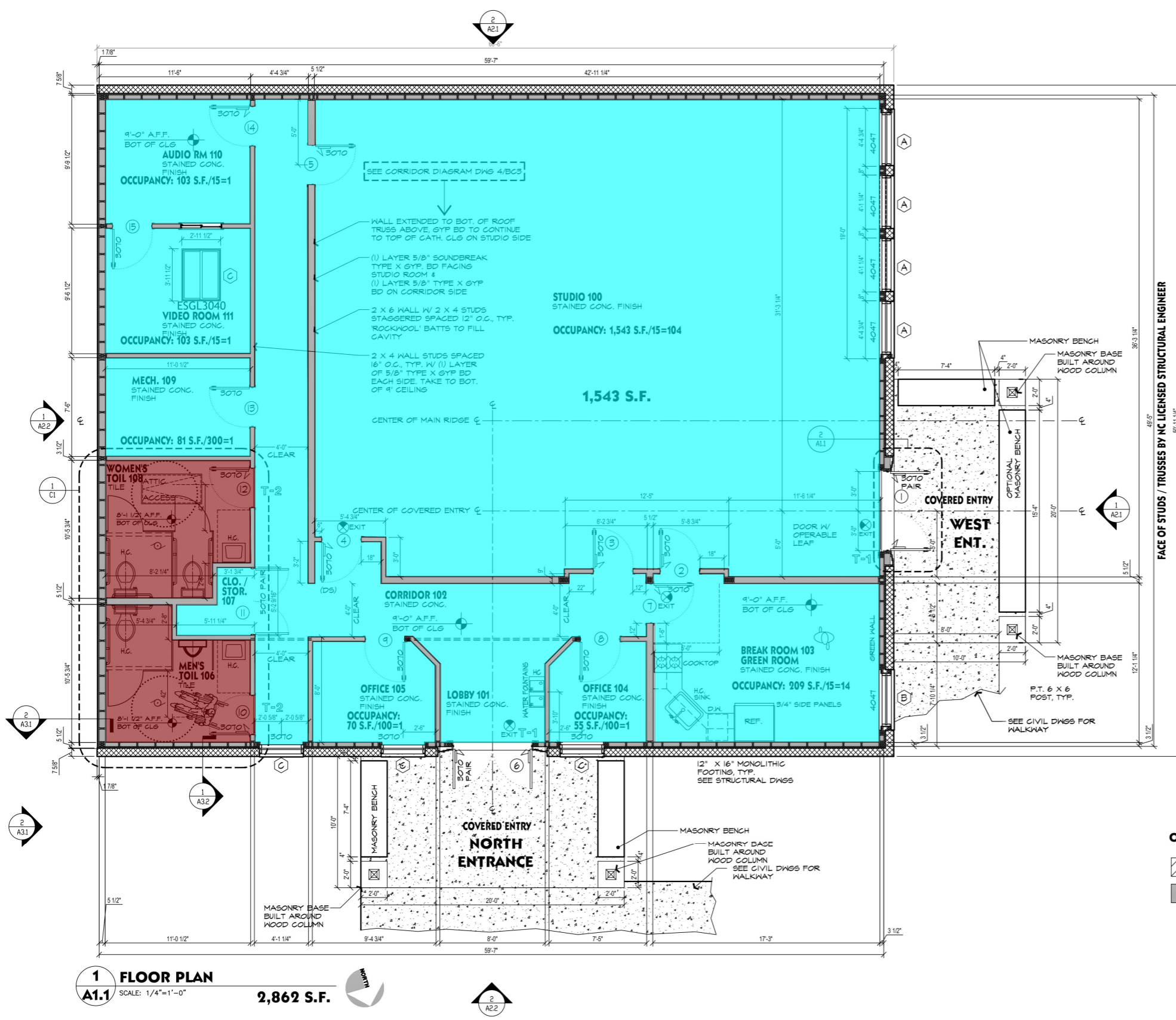
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DRAWN BY: dej
DATE: 8 DEC. 2023

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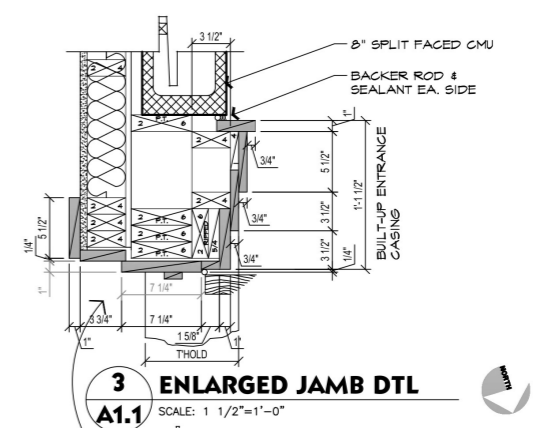


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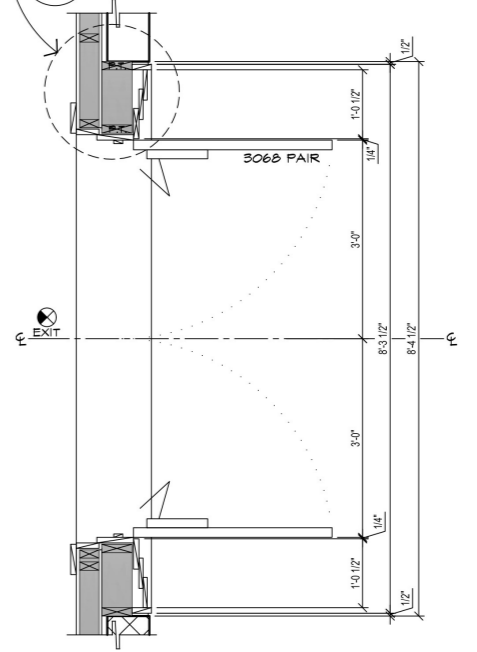
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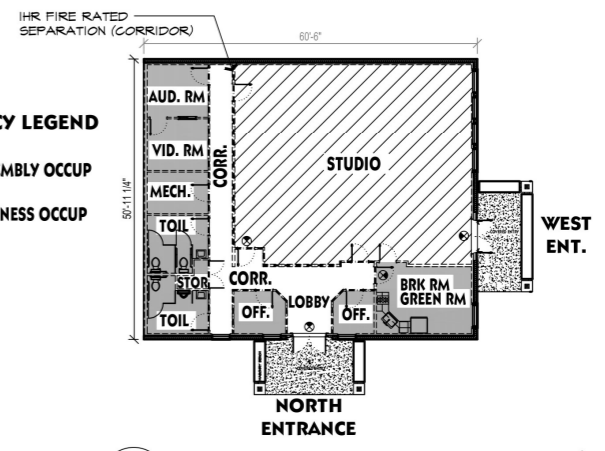
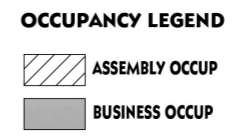
1 FLOOR PLAN
A1.1 SCALE: 1/4"=1'-0"
2,862 S.F.



3 ENLARGED JAMB DTL
A1.1 SCALE: 1 1/2"=1'-0"



2 ENLARGED ENTRY PLAN
A1.1 SCALE: 3/4"=1'-0"



3 KEY PLAN
A1.1 NTS

	Sealed Exposed Concrete	2570.0 SQ FT
	Porcelian Ceramic Tile Type III	208.3 SQ FT

FAITH DEV. MIN. CENTER NEW BUILDING

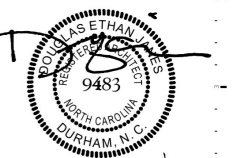
9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

SHEET CONTENTS

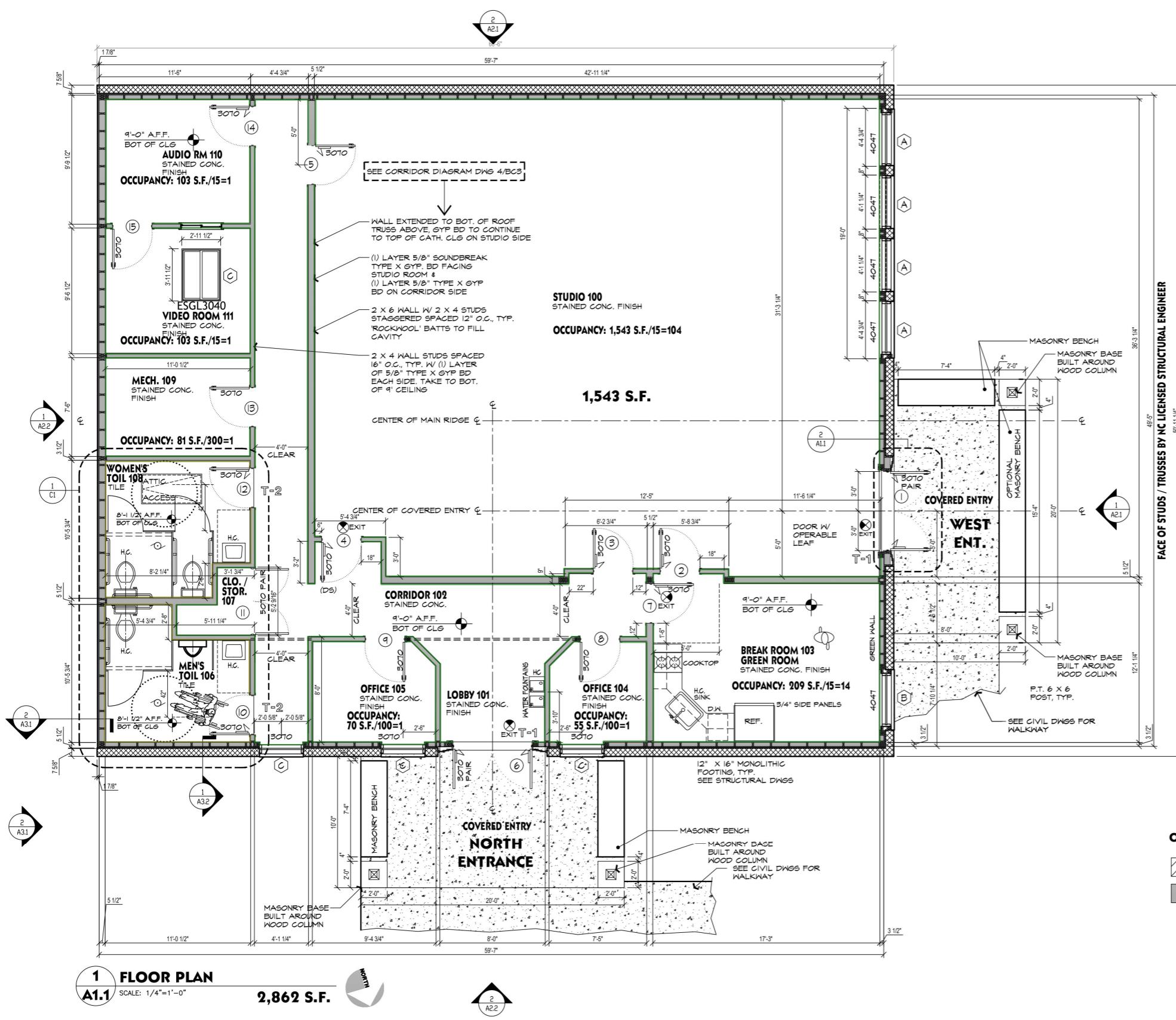
FLOOR PLAN
GENERAL NOTES

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DRAWN BY: dej
DATE: 8 DEC. 2023

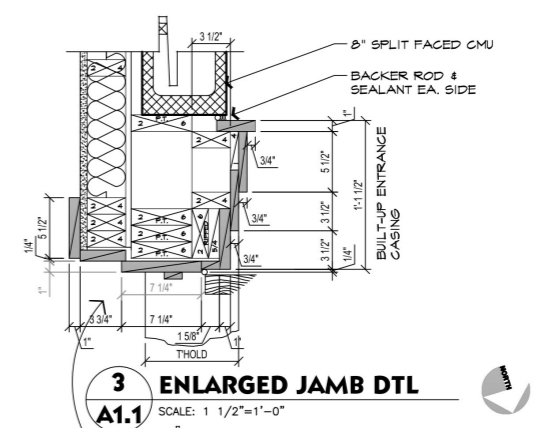
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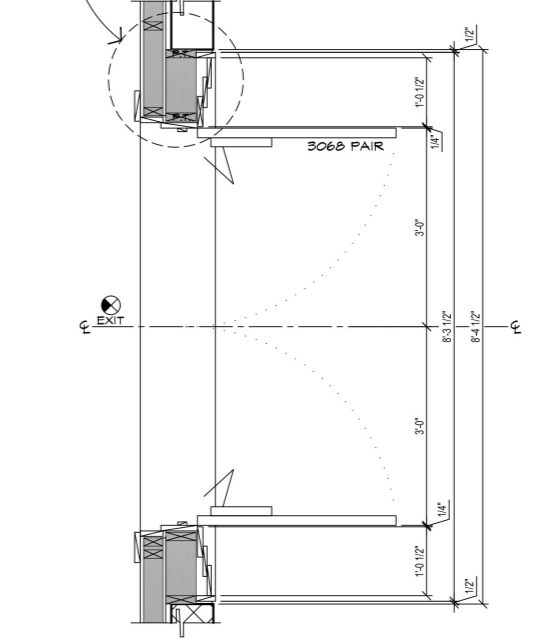
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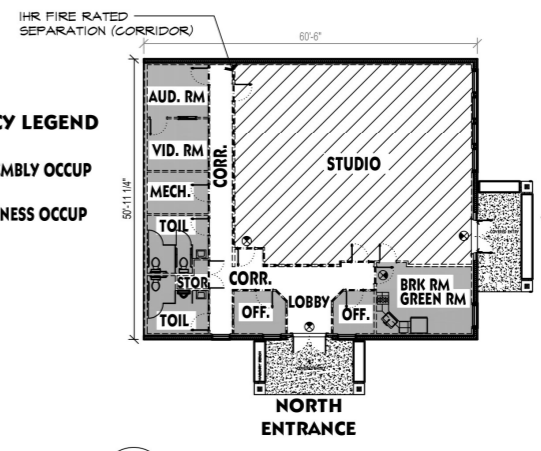
1 FLOOR PLAN
A1.1 SCALE: 1/4"=1'-0"
2,862 S.F.



3 ENLARGED JAMB DTL
A1.1 SCALE: 1 1/2"=1'-0"



2 ENLARGED ENTRY PLAN
A1.1 SCALE: 3/4"=1'-0"



3 KEY PLAN
A1.1 NTS

- Rubber Base 513.1 FT
- Porcelain Wall Tile (4'-0" H) 79.5 FT

BOUND STUDIO

FAITH DEV. MIN. CENTER NEW BUILDING

9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

SHEET CONTENTS

FLOOR PLAN
GENERAL NOTES

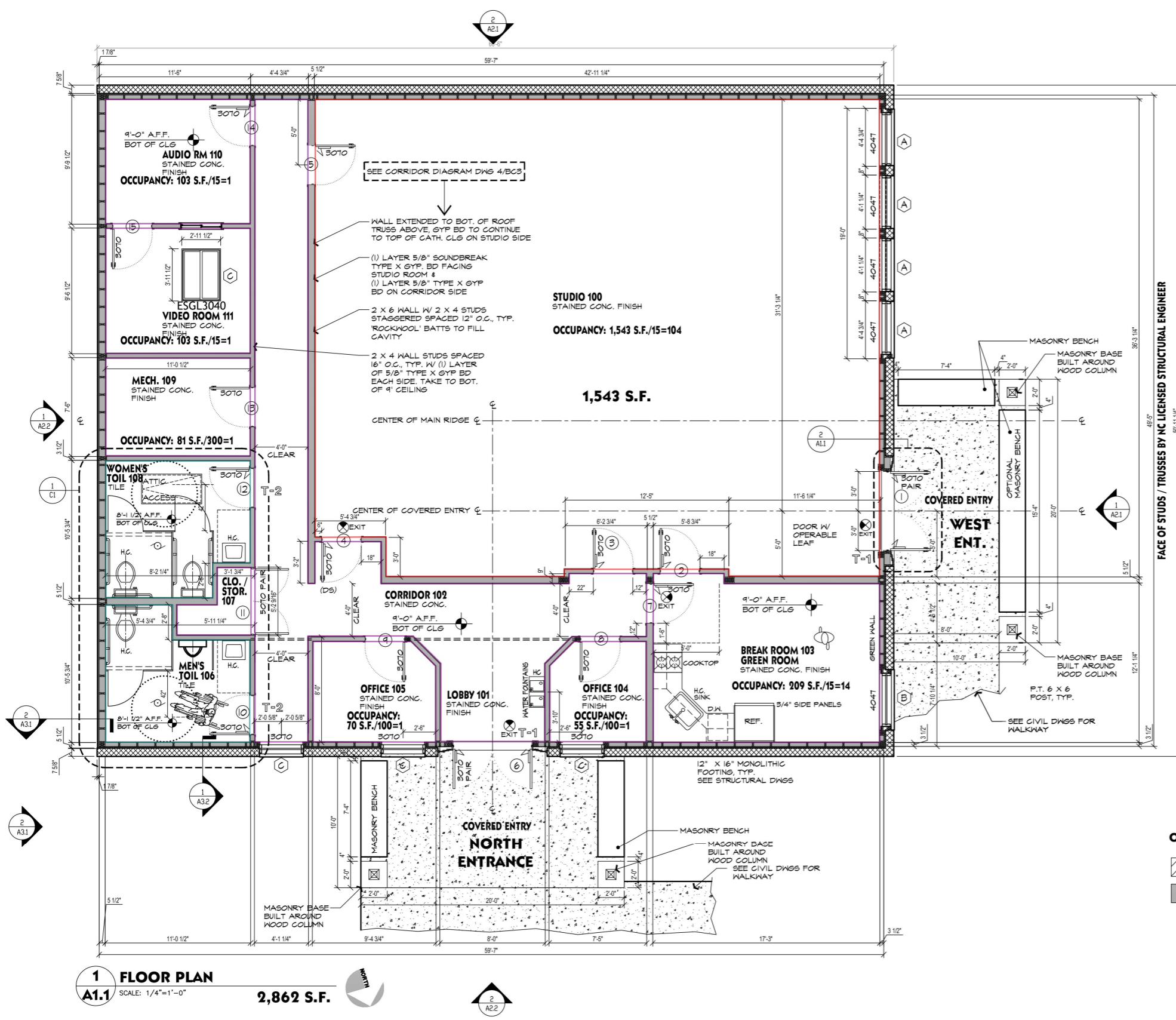
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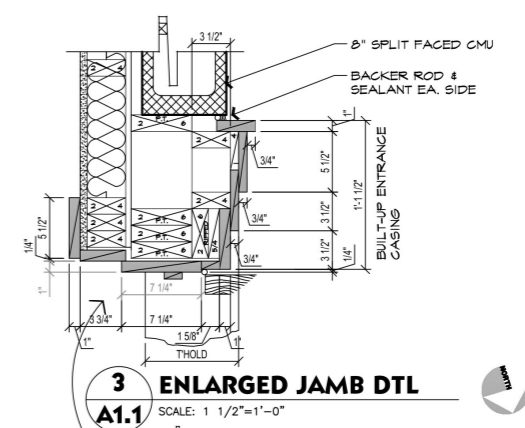


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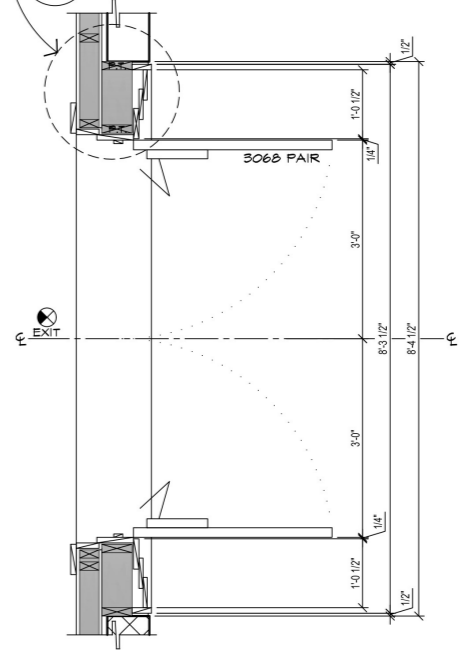
A1.1



1 FLOOR PLAN
A1.1 SCALE: 1/4"=1'-0"
2,862 S.F.



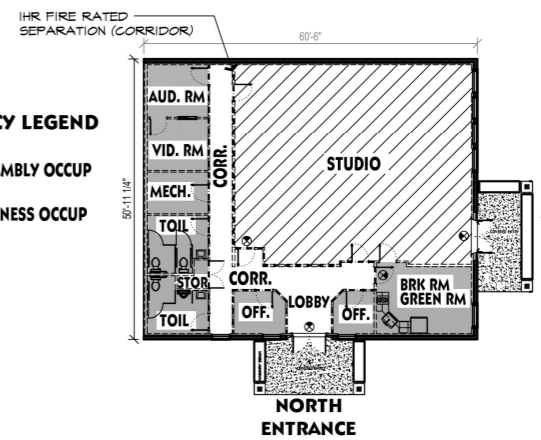
3 ENLARGED JAMB DTL
A1.1 SCALE: 1 1/2"=1'-0"



2 ENLARGED ENTRY PLAN
A1.1 SCALE: 3/4"=1'-0"

OCCUPANCY LEGEND

- ASSEMBLY OCCUP
- BUSINESS OCCUP



3 KEY PLAN
A1.1 NTS

Interior Wall Paint (9'-0" H)	439.9 FT
Interior Wall Moisture Resistant Paint (4'-0" H)	85.3 FT
Interior Wall Paint (13'-0" H)	159.1 FT

**FAITH DEV. MIN. CENTER
NEW BUILDING**

9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

SHEET CONTENTS

EXTERIOR ELEVATIONS
BLDG CODE SUMMARY SHEET

PROJECT NUMBER 2111
DRAWN BY: dej
DATE: 8 DEC. 2023

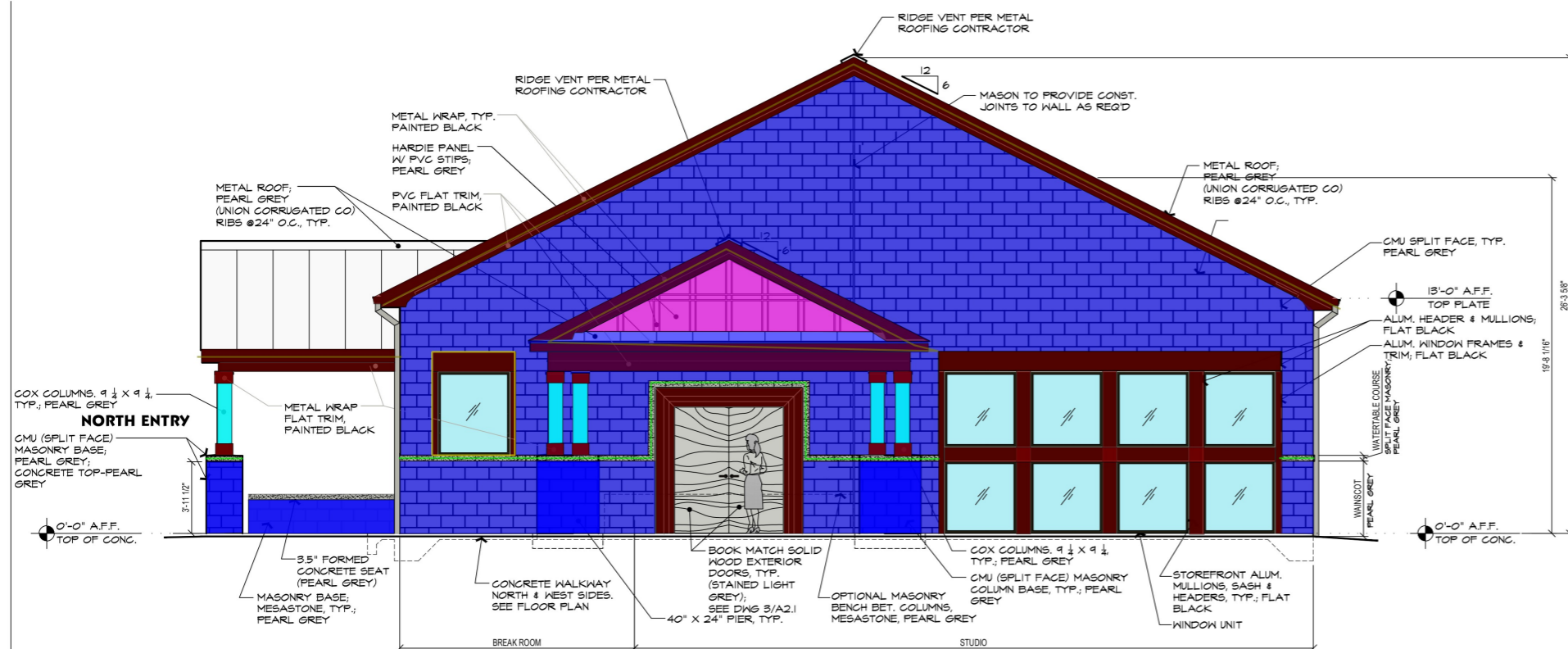
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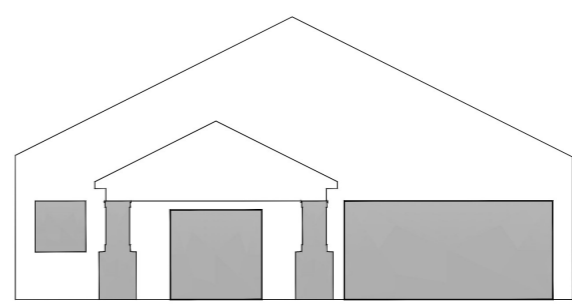


SHEET NO.

30 AUG. 23
A2.1

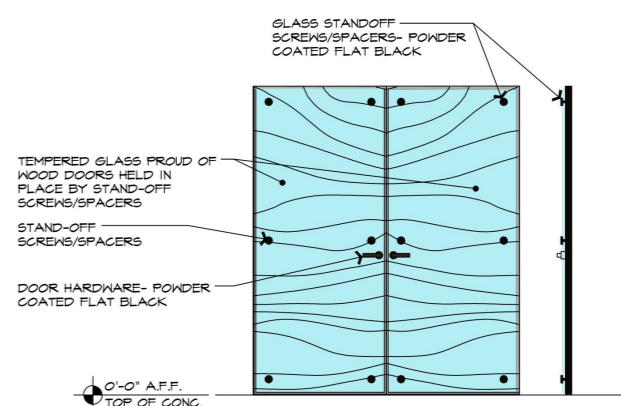


1 WEST ELEVATION FACING HWY 401
A2.1 SCALE: 1/4"=1'-0"

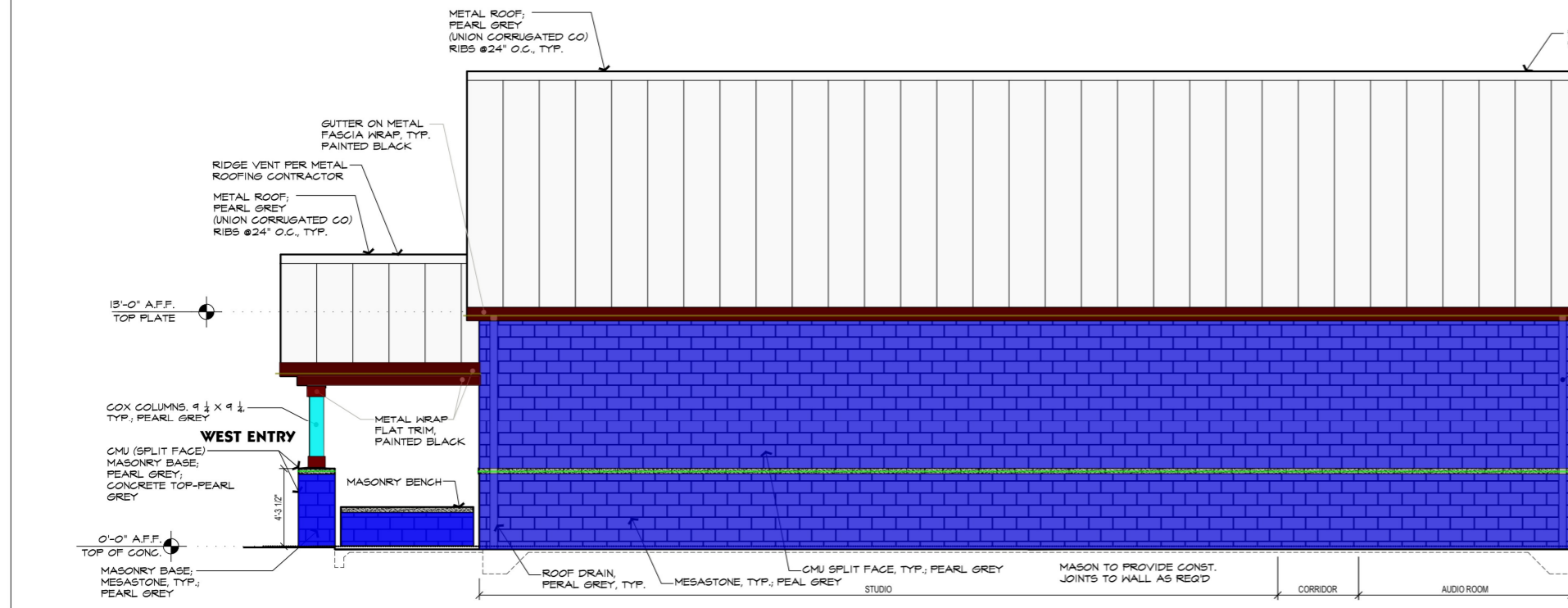


FENESTRATION CALC.

TOTAL FASCIADE AREA-	976 SF
30% OF 976 SF=	293 SF
COLUMNS- (25 EA.)	50
STUDIO WINDOWS	169
BREAK ROOM WINDOW	21
DOORWAY	67
TOTAL ARCHITECTURAL TREATMENT AREAS:	307 (31%)



3 WEST ENTRY DOORS
A2.1 SCALE: 1/2"=1'-0" 1/4" TEMP. GLASS ON SCWD



2 SOUTH ELEVATION
A2.1 SCALE: 1/4"=1'-0"

Mesastone, Peal Grey	1521.1 SQ FT
Hardie Panel w/ PVC Strips; Pearl Grey	31.9 SQ FT
Cox Columns.9-1/4"x9'-1/4"; Pearl Grey	31.9 SQ FT
PVC Flat Trim, Painted Black	190.4 FT
Window Trim	20.6 FT
8" Wide 3.5" Formed Concrete Seat	105.2 FT
Metal Wrap	286.3 SQ FT

COLORS FROM UNION CORRUGATING COMPANY:

ROOF - STANDING SEAM METAL- PEARL GREY
TRIM/GUTTERS - METAL WRAP- BLACK
MASONRY WALLS - PEARL GREY
METAL WALL - R PANEL- PEARL GREY

2111_SOUND_STUDIO

**FAITH DEV. MIN. CENTER
NEW BUILDING**
9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

SHEET CONTENTS

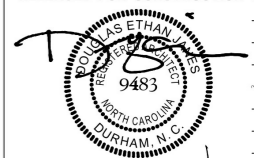
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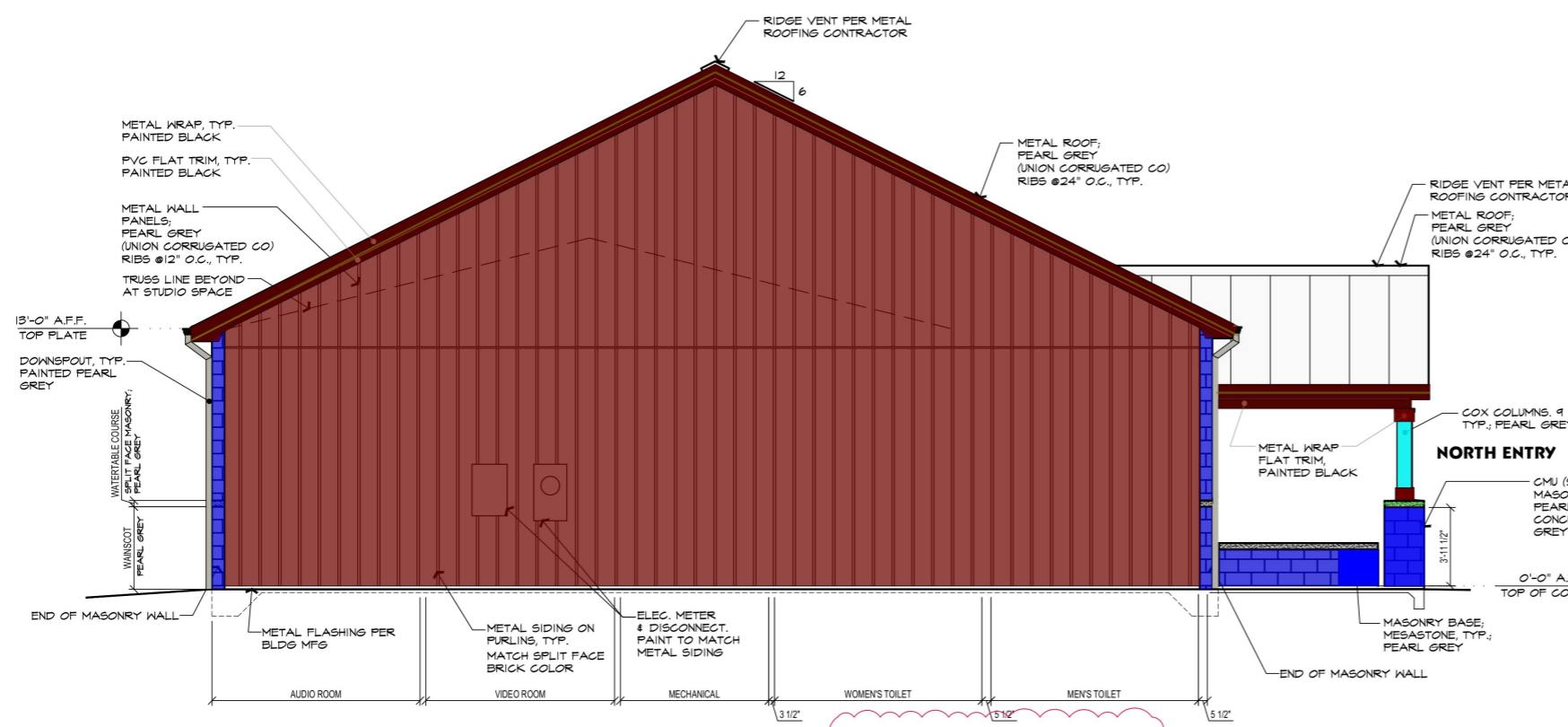
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REVISIONS:
FEB. 24 ADDRESS HALL MOUNTED EQUIP.

RELEASED FOR CONSTRUCTION

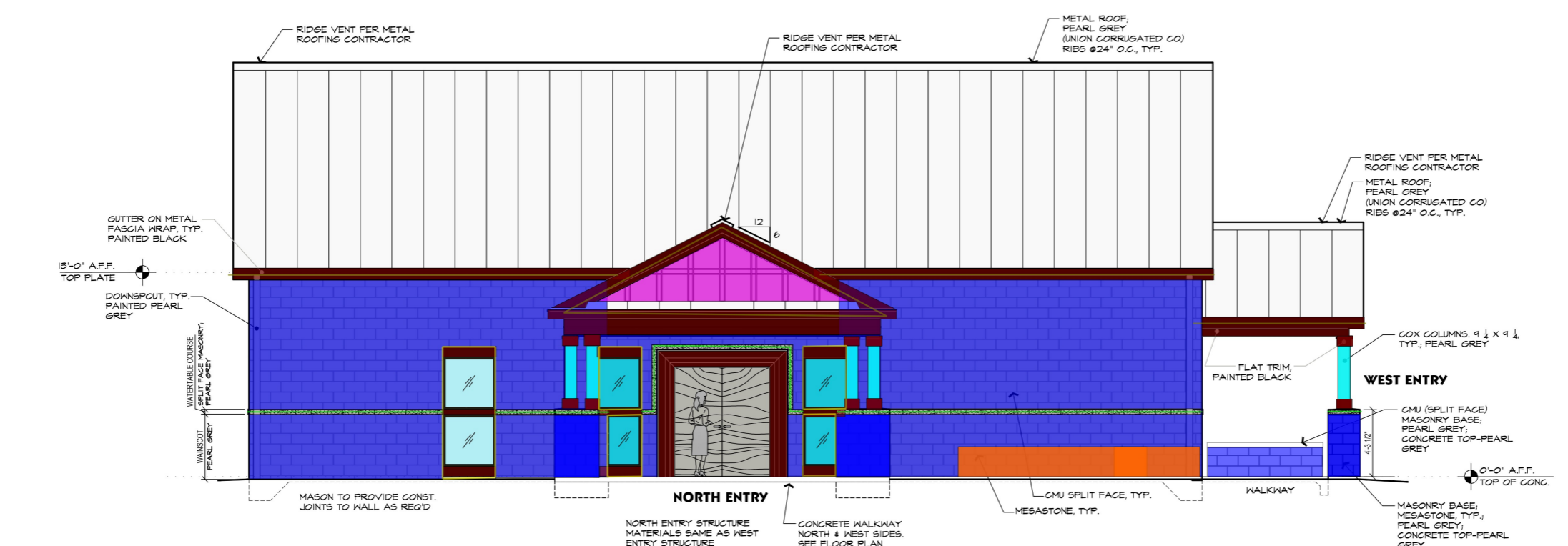


30 AUG. 23
A2.2



1 EAST ELEVATION
A2.2 SCALE: 1/4"=1'-0"

ELEVATION NOTES:
ALL ELECTRICAL AND HVAC DEVICES INSTALLED ON THE BUILDING SHALL BE PAINTED. PAINT TO MATCH WALL COLOR. ANY WALL PENETRATIONS TO BE PAINTED TO MATCH WALL COLOR.



2 NORTH
A2.2 SCALE: 1/4"=1'-0"

	Metal Siding On Purlins	942.3 SQ FT
	Mesastone, Peel Grey	703.5 SQ FT
	Hardie Panel w/ PVC Strips; Pearl Grey	32.1 SQ FT
	Cox Columns 9-1/4"x9-1/4"; Pearl Grey	30.3 SQ FT
	PVC Flat Trim, Painted Black	174.8 FT
	Window Trim	74.6 FT
	8" Wide 3.5" Formed Concrete Seat	65.6 FT
	Metal Wrap	220.8 SQ FT
	Mesastone, Peel Grey	65.8 SQ FT

R Panel
Union Corrugating's R, RBR, & R metal roofing panels are designed for industrial, commercial, and steel-frame building applications. The "R" family of metal roofing panels has the strength to perform on roof pitches as low as 1:12 and on spans up to five feet. The R metal roofing panels and R metal roofing panels are designed for sidewall applications while the RBR metal roofing panel has an added purlin bearing leg to provide better support for roofing applications.

Testing and Approvals

- Metal Construction Association Certified
- Energy Star Certified
- Texas Department of Insurance Approved
- Highest UL Ratings for Wind uplift, fire and impact resistance
- No Coastal Set Back
- UL 580 Uplift UL 90 Construction #30, 78, 181, 187, and 638
- UL 790 Fire Resistance Class A
- UL 2281 Impact Resistance Class 4
- Florida Building Code Approved
- UL2048-8-92 - 250a min. 80 ksi OR 240a, 50 ksi over min. 15/32" plywood or 3/4" plank
- UL955-8-95 - 200a, 80 ksi OR 240a, 50 ksi over min. 3/8", 50 ksi section
- UL955-7-85 - 280a min. 80 ksi OR 240a, 50 ksi over min. 1/8", 50 ksi section

Specifications

- Application: Wall Panel
- Fastener: Exposed Fastener
- Coverage: 36" Coverage
- Roof Height: 1/4"
- Minimum Recommended Slope: 1:12
- Exposed fastener panel for roof and wall applications
- 1:12 minimum recommended roof pitch.
- Available for solid deck or open framing.

EAST WALL PANEL SPEC

**FAITH DEV. MIN. CENTER
NEW BUILDING**

9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

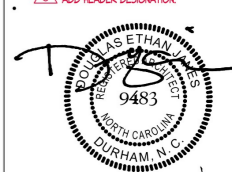
SHEET CONTENTS

ROOF FRAMING PLAN
GENERAL NOTES

PROJECT NUMBER 2111
DRAWN BY: dej
DATE: 8 DEC. 2023

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REVISIONS:
R FEB. 24 REVISE HEADER DESIGNATION
R FEB. 24 ADD HEADER DESIGNATION



SHEET NO. **A4.2**

Screened-In/Covered Porch Notes:

- Posts to be attached to footings, slab or CMU piers using ABU44 or ABU66 post base (or applicable size) OR (2) Simpson GA1 clips OR Simpson MAB15.
- Attach all rafters to headers w/ H2.5a clips.
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Lintel Schedule for Brick/Natural Stone Veneer

Length (ft)	Size
Up to 4	L 3.5 x 3.5 x 1/2
4-8	L 5 x 3.5 x 5/16 LLV
Over 8	L 6 x 4 x 5/16 LLV

Notes:

- Provide at least 3" bearing on brick at each end.
- Headers 8" or longer, attach to header w/ 1/2" lag screws @ 12" o.c. staggered.
- For all brick support @ roof lines, fasten (2) 2x10 blocking between studs w/ (4) 12d nails per ply. Fasten A 6"x4"x5/16" angle to (2) 2x10 blocking w/ (2) 1/2" lag screws @ 12" o.c. staggered. See Section R703.8.2.1 (NCR 2018) for additional reference.

LEGEND/SYMBOL

- 8" CMU W/ INTERIOR 2 X 4 STUD WALL; 5/8" INTERIOR GYP BD SURFACE, TYP.
- 2 X 4 WOOD STUD WALL
- 2 X 6 WOOD STUD WALL W/ METAL SIDING

HEADERS

SEE WINDOW SCHEDULE (SHEET A5) FOR HEADERS OVER NEW WINDOWS.

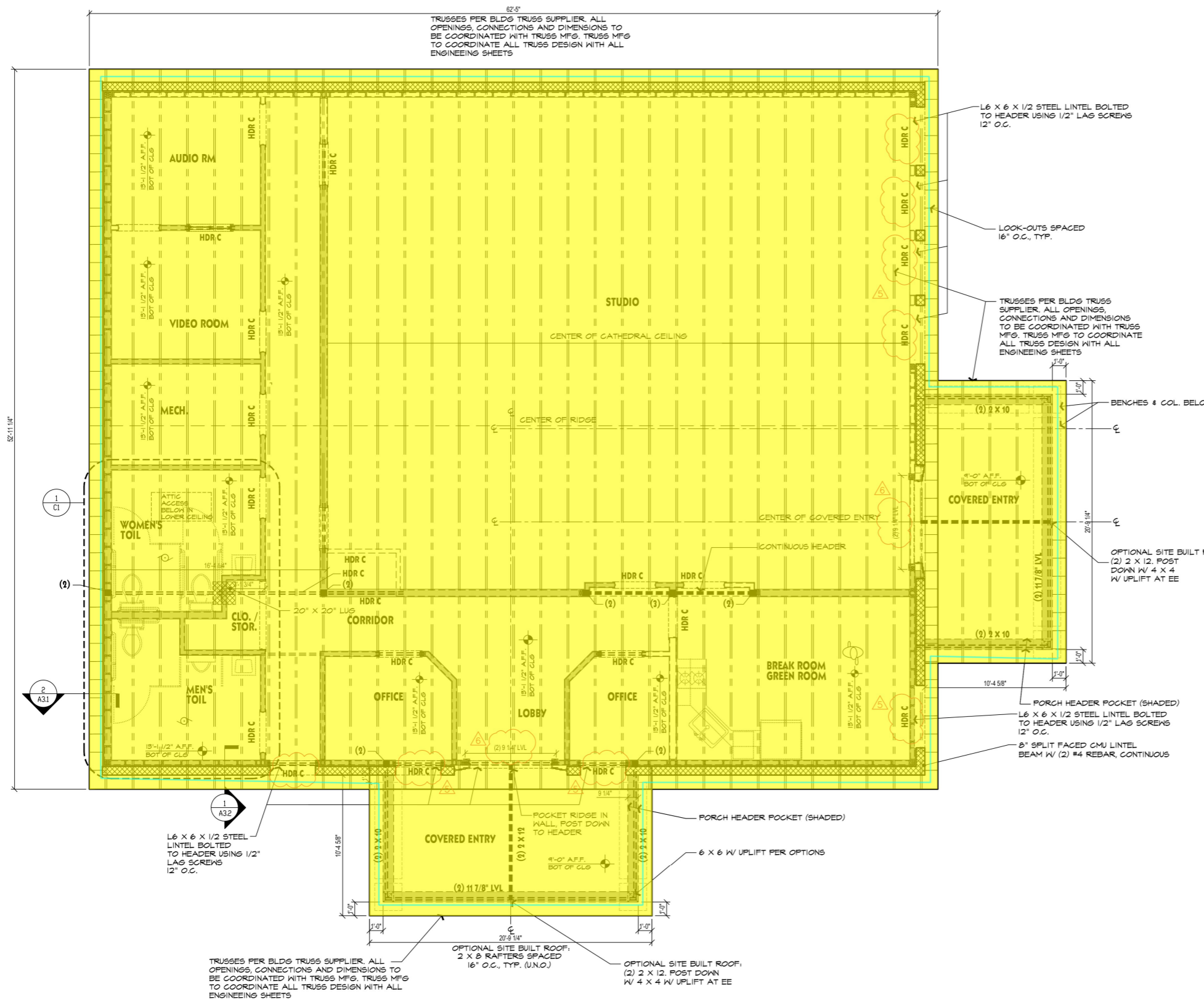
MINIMUM HEADERS OVER OPENINGS SHALL BE AS FOLLOWS: (SEE TABLE 502.5(1) FOR ADDITIONAL REQUIREMENTS)

SYM.	SPAN	WOOD HEADER	MASONRY LINTELS
HDR A	3'	(2) 2 X 6 (1 JKS)	ANGLE 3-1/2 X 3-1/2 X 1/2
HDR B	4'	(2) 2 X 8 (2 JKS)	ANGLE 3-1/2 X 3-1/2 X 1/2
HDR C	6'	(2) 2 X 10 (2 JKS)	ANGLE 5 X 3-1/2 X 5/16 LLV
HDR D	8'	(2) 2 X 12 (3 JKS) (ADD 1/2" PLYWOOD FLITCH FOR 2 X 4 WALLS, DBL 1/2" PLYWOOD FOR 2 X 6 WALLS)	ANGLE 6 X 4 X 5/16 LLV
(LVL)-LAMINATED VENEER LUMBER			
HDR E		1 1/2" LVL (3 JKS)	
HDR F		1 1/2" LVL (3 JKS)	

* SAMPLE NOTE: HDR E(2)=HEADER 'E', 2 PLYS

FRAMING NOTES:

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- DIMENSIONS ON FRAMING PLAN ARE FROM FACE OF STUD TO FACE OF STUD.



1 ROOF FRAMING PLAN
A4.2 SCALE: 1/4"=1'-0" **2,862 S.F.**

29 GA. Standing Seam Metal Roo... **4217.4 SQ FT**
12" Metal Soffit **262.6 FT**

BOUND STUDIO

**FAITH DEV. MIN. CENTER
NEW BUILDING**
9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

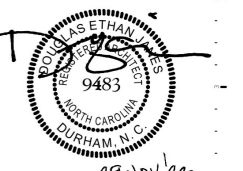
SHEET CONTENTS

ROOF FRAMING PLAN
GENERAL NOTES

PROJECT NUMBER 2111
DRAWN BY: dej
DATE: 8 DEC. 2023

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REVISIONS:
R FEB. 24 REVISE HEADER DESIGNATION
R FEB. 24 ADD HEADER DESIGNATION



29 NOV. 23

A4.2

SHEET NO.

Screened-In/Covered Porch Notes:

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LEGEND/SYMBOL

8" CMU W/ INTERIOR 2 X 4 STUD WALL;
5/8" INTERIOR GYP ED SURFACE, TYP.

2 X 4 WOOD STUD WALL

2 X 6 WOOD STUD WALL W/ METAL SIDING

HEADERS

SEE WINDOW SCHEDULE (SHEET A5) FOR HEADERS OVER NEW WINDOWS.

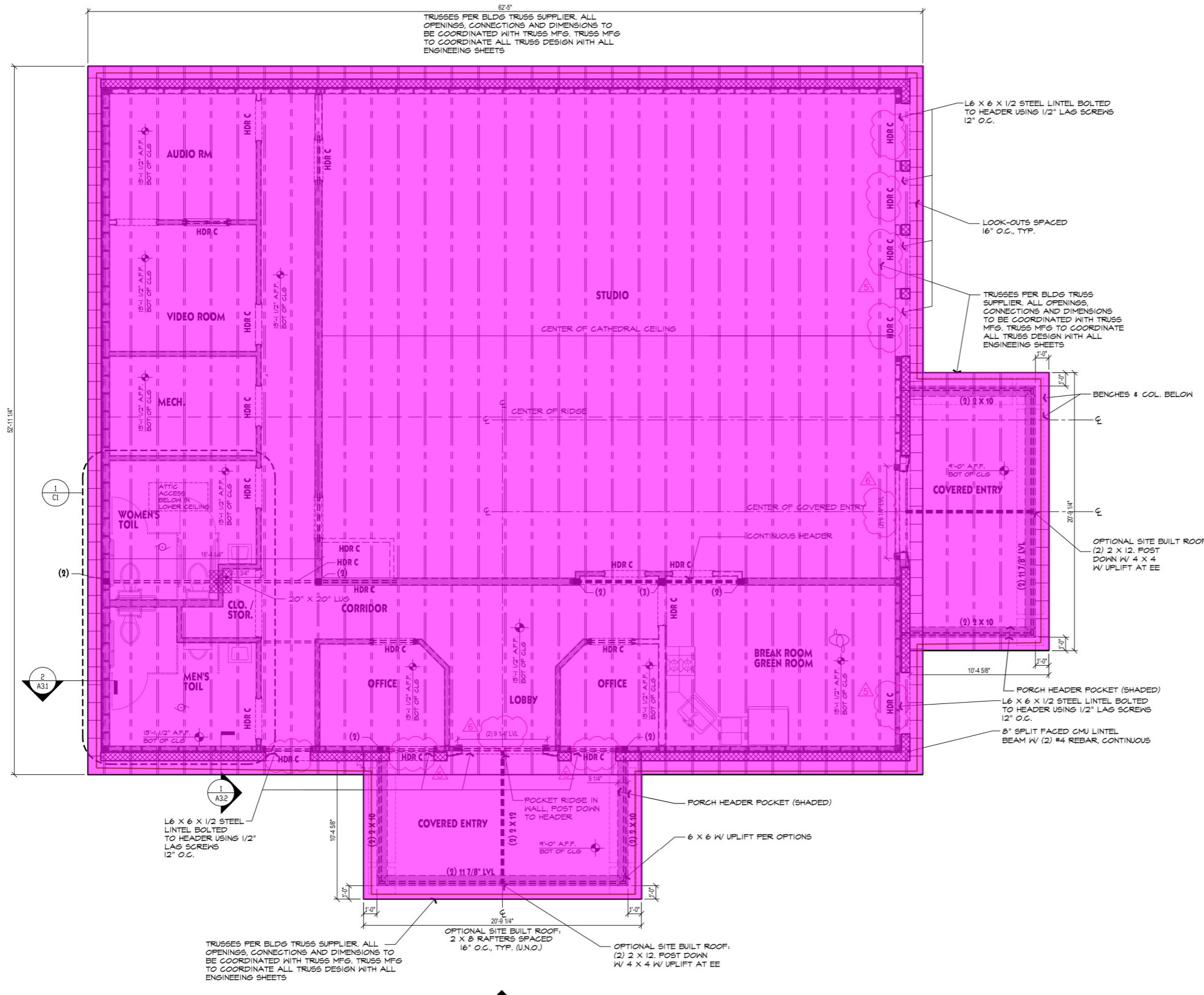
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(LVL)-LAMINATED VENEER LUMBER			
HDR E	11 1/8"	11 1/8" LVL (3 JKS)	
HDR F	11 7/8"	11 7/8" LVL (3 JKS)	

* SAMPLE NOTE: HDR E(2)=HEADER 'E', 2 PLYS

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1 ROOF FRAMING PLAN
A4.2 SCALE: 1/4"=1'-0" **2,862 S.F.**

Synthetic Wrap 4217.4 SQ FT
Drip Edge 263.8 FT

BOUND STUDIO

**FAITH DEV. MIN. CENTER
NEW BUILDING**

9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

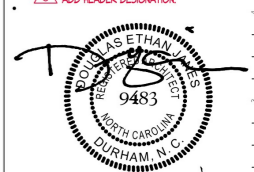
SHEET CONTENTS

ROOF FRAMING PLAN
GENERAL NOTES

PROJECT NUMBER 2111
DRAWN BY: dejj
DATE: 8 DEC. 2023

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REVISIONS:
 ▲ FEB. 24 REVISE HEADER DESIGNATION
 ▲ FEB. 24 ADD HEADER DESIGNATION



SHEET NO. **A4.2**

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- 2 X 6 WOOD STUD WALL W/ METAL SIDING

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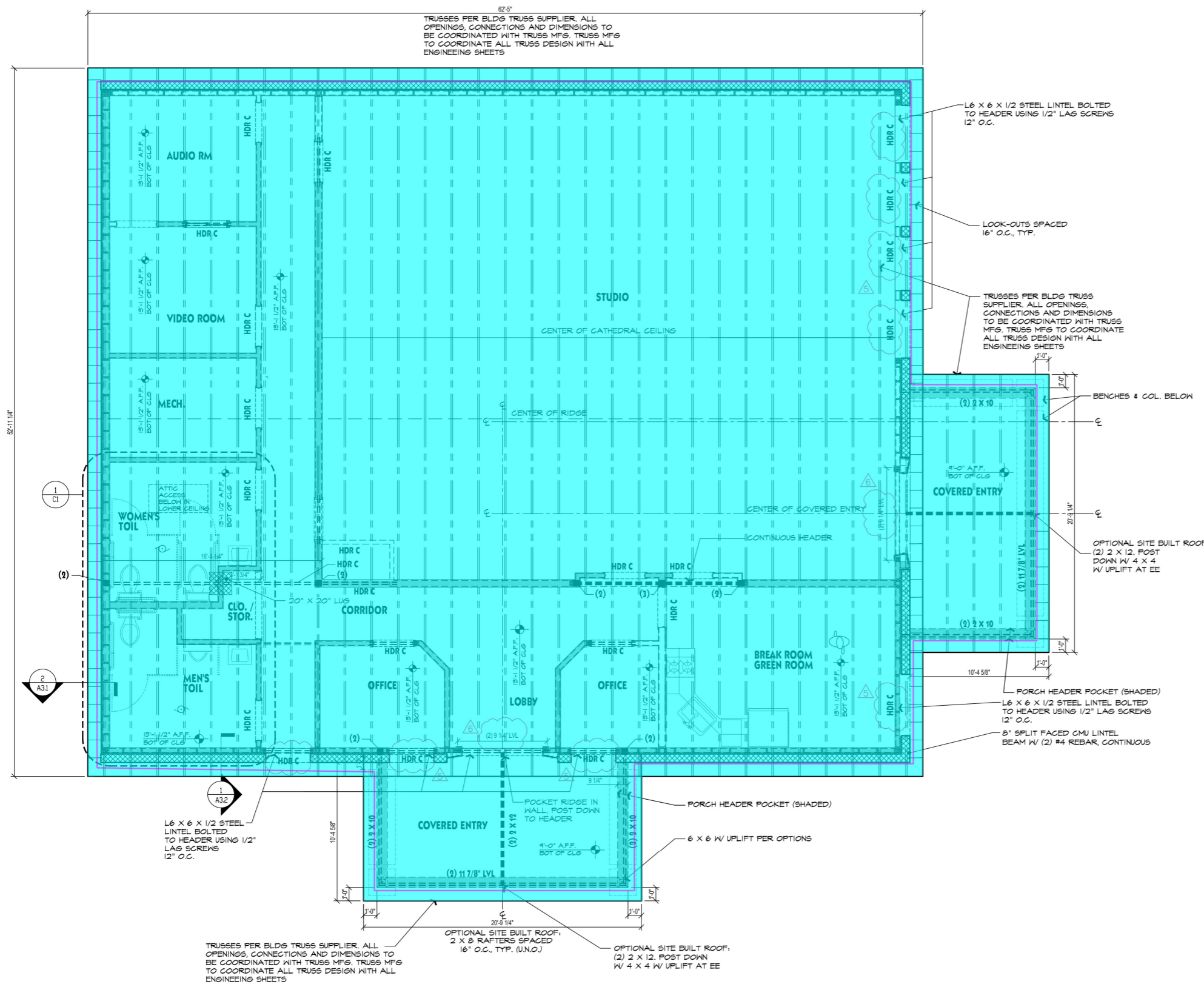
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1 ROOF FRAMING PLAN
A4.2 SCALE: 1/4"=1'-0" 2,862 S.F.

R-38 Min Batt Insulation 4217.4 SQ FT
1x8 PVC Fascia 261.3 FT

FAITH DEV. MIN. CENTER
NEW BUILDING

9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

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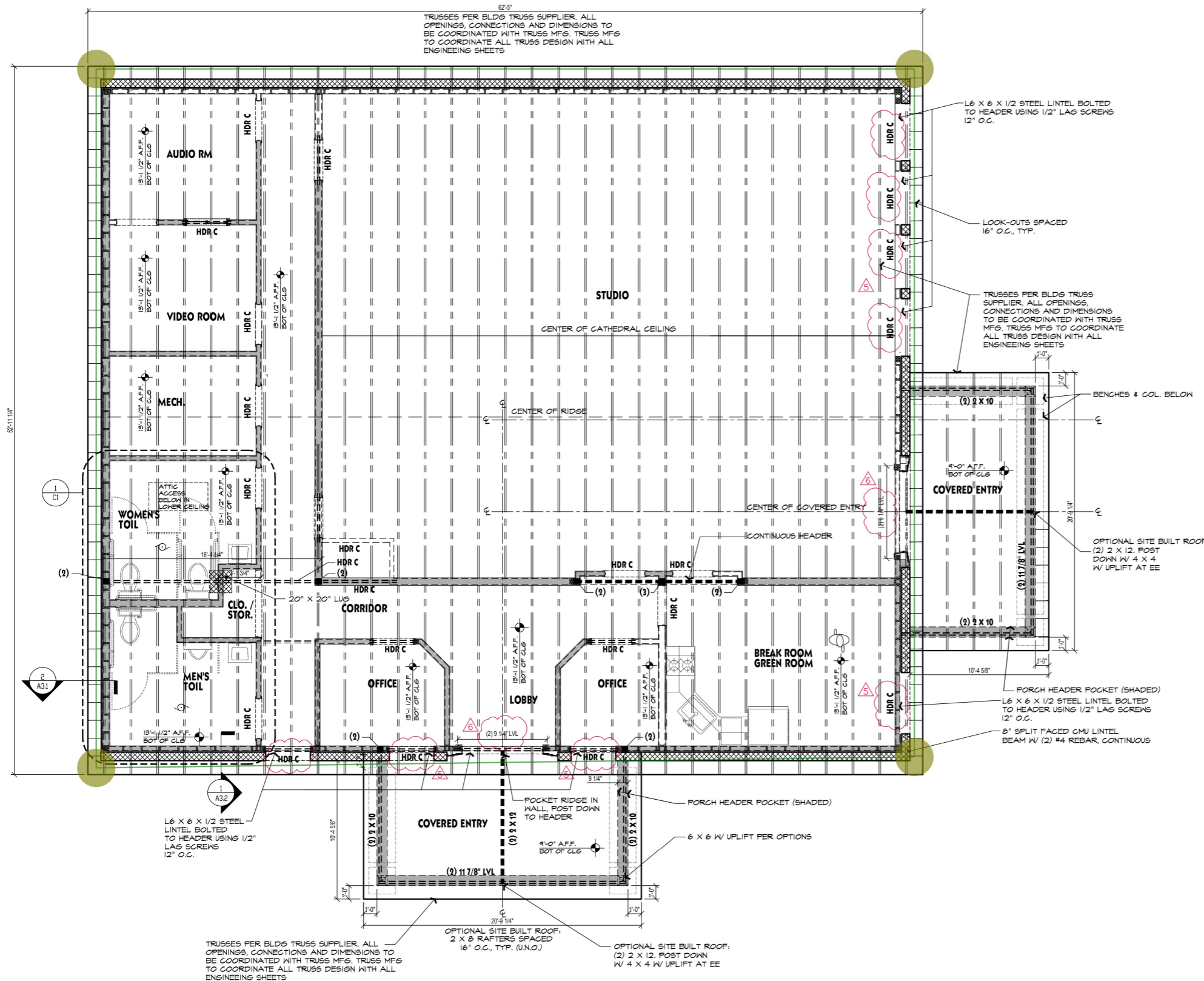
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		(ADD 1/2" PLYWOOD FLITCH FOR 2 X 4 WALLS, DBL 1/2" PLYWOOD FOR 2 X 6 WALLS)	
(LVL)-LAMINATED VENEER LUMBER			
HDR E	9 1/2'	(3 JKS)	
HDR F	11 3/8'	(3 JKS)	

* SAMPLE NOTE: HDR E(2) = HEADER 'E', 2 PLYS

FRAMING NOTES:

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1 ROOF FRAMING PLAN
A4.2 SCALE: 1/4"=1'-0" **2,862 S.F.**

Gutter 226.0 FT
Down Spout (16'-8" H) 4.0 EA

SHEET CONTENTS

- ROOF FRAMING PLAN
- GENERAL NOTES

PROJECT NUMBER 2111
DRAWN BY: dej
DATE: 8 DEC. 2023

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REVISIONS:
 11 FEB. 24 REVISE HEADER DESIGNATION
 11 FEB. 24 ADD HEADER DESIGNATION



29 NOV. 23
A4.2

**FAITH DEV. MIN. CENTER
NEW BUILDING**

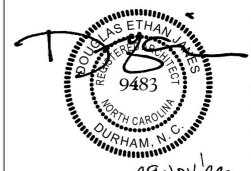
9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

SHEET CONTENTS

WINDOW & DR SCHEDULES
FRAMING DETAILS
GENERAL NOTES

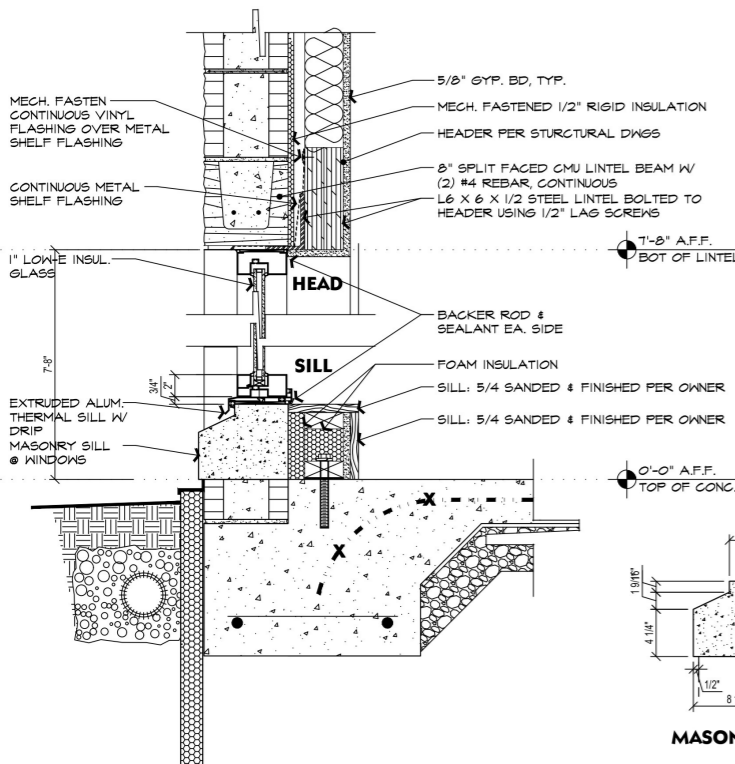
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REVISIONS:

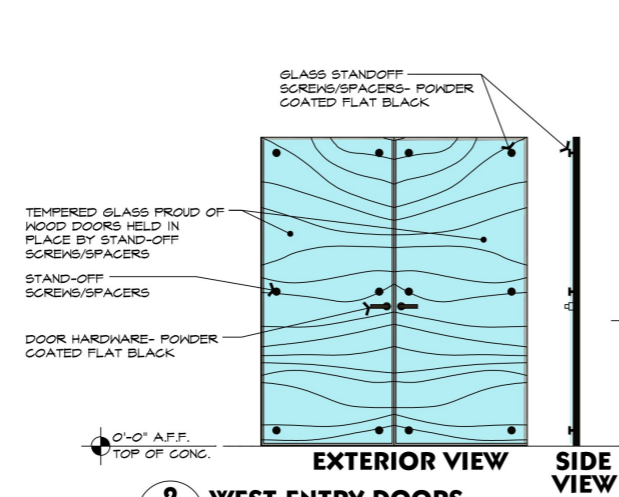


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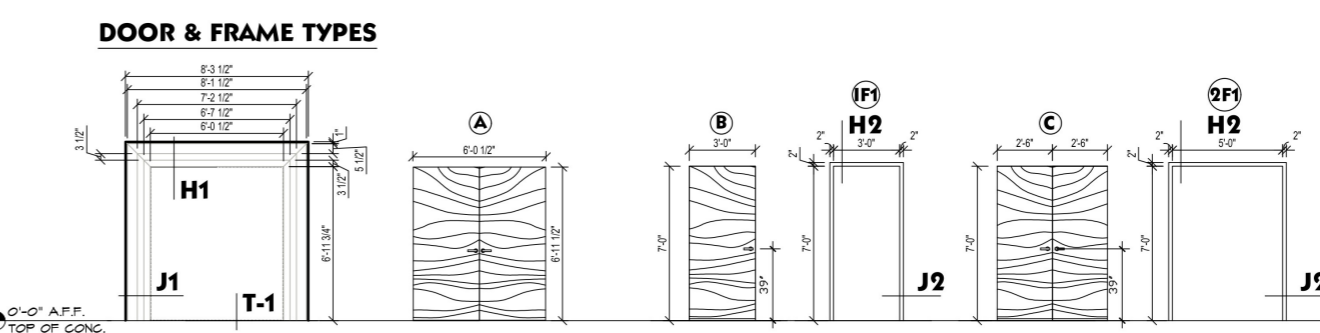
A5



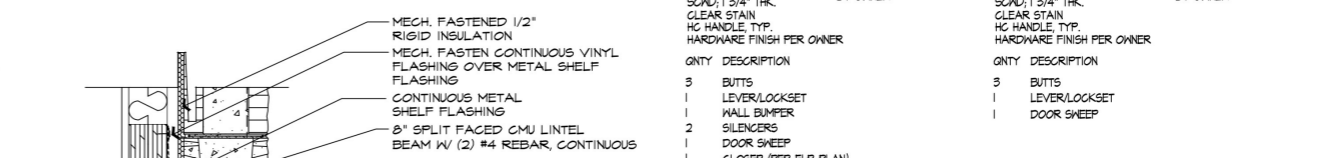
1 EXTER ALUM WINDOW DETAIL: NORTH WINDOW
A5 SCALE: 1/2"=1'-0"
STORE FRONT SYSTEM:
KAWNEER
491T SERIES



2 WEST ENTRY DOORS
A5 SCALE: 1/2"=1'-0" 1/4" TEMP. GLASS ON SCHD



DOOR SLABS
SCND, 1 3/4" THK.
CLEAR STAIN
HC HANDLE TYP.
HARDWARE FINISH PER OWNER

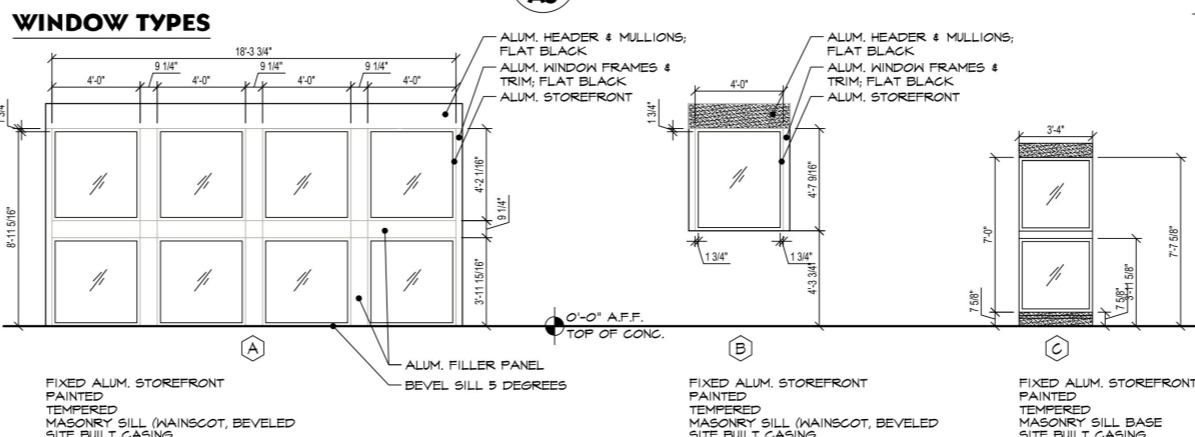


4 DOOR SECTION
A5 NTS

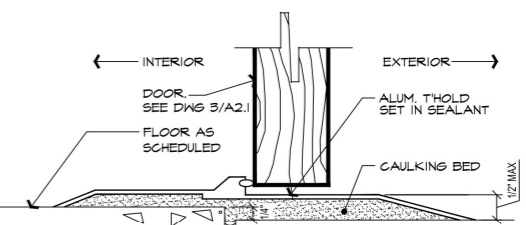
NO.	ROOM	DOOR		FRAME		REMARKS							
		NO.	SIZE	TYPE	MATL.		LOUVER	DETAIL					
100	STUDIO	2,3	(2) 3'-0"	1-3/4"	S.C.WD	B	-	20M	IF1	H.M.	-	4/A5	GLASS APPLIED TO EXTERIOR FACE OF WOOD DOORS
101	LOBBY	6	(2) 3'-0"	7'-0"	1-3/4"	H.M.	A	-	20M	EF1	WD	-	3/A5
102	CORRIDOR												
103	BREAK ROOM	7	3'-0"	7'-0"	1-3/4"	S.C.WD	B	-	20M	IF1	H.M.	-	4/A5
104	OFFICE	8	3'-0"	7'-0"	1-3/4"	S.C.WD	B	-	20M	IF1	H.M.	-	4/A5
105	OFFICE	9	3'-0"	7'-0"	1-3/4"	S.C.WD	B	-	20M	IF1	H.M.	-	4/A5
106	MEN'S TOIL.	10	3'-0"	7'-0"	1-3/4"	S.C.WD	B	-	20M	IF1	H.M.	-	4/A5
107	CLO/STORAGE	11	3'-0"	7'-0"	1-3/4"	S.C.WD	C	-	20M	2F1	H.M.	-	4/A5
108	WOMEN'S TOIL.	12	3'-0"	7'-0"	1-3/4"	S.C.WD	B	-	20M	IF1	H.M.	-	4/A5
109	MECH. RM	13	3'-0"	7'-0"	1-3/4"	S.C.WD	B	-	20M	IF1	H.M.	-	4/A5
110	AUDIO RM	14	3'-0"	7'-0"	1-3/4"	S.C.WD	B	-	20M	IF1	H.M.	-	4/A5
111	VIDEO RM	15	3'-0"	7'-0"	1-3/4"	S.C.WD	B	-	20M	IF1	H.M.	-	4/A5

NO.	ROOM	FLOOR		BASE	WALLS		CLG	CLG HT.	REMARKS
		CARPET	WOOD		TYPE II CER. TILE	EGGSHELL PAINT			
100	LOBBY							9'	
101	CORRIDOR							9'	
102	BREAK ROOM							9'	GREEN WALL. SEE FLOOR PLAN FOR LOCATION
103	OFFICE							9'	
104	OFFICE							9'	
105	MEN'S TOIL.							9'	TILE UP WALL 4 FEET
106	STORAGE							9'	
107	WOMEN'S TOIL.							9'	TILE UP WALL 4 FEET

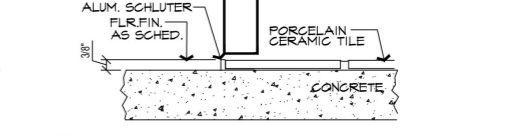
- Door Size: 6'-0" x 7'-0" 1.0 EA
- Door Size: 6'-0" x 7'-0" Door Material: Hollow ... 1.0 EA
- Door Size: 3'-0" x 7'-0" 8.0 EA
- Door Size: 5'-0" x 7'-0" Door Material: Solid C... 1.0 EA



3 WINDOW TYPES
A5 NTS



5 ENTRANCE THRESHOLD
A5 NTS



6 TOIL. THRESHOLD
A5 NTS

FAITH DEV. MIN. CENTER NEW BUILDING

9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

SHEET CONTENTS

FLOOR PLAN
GENERAL NOTES

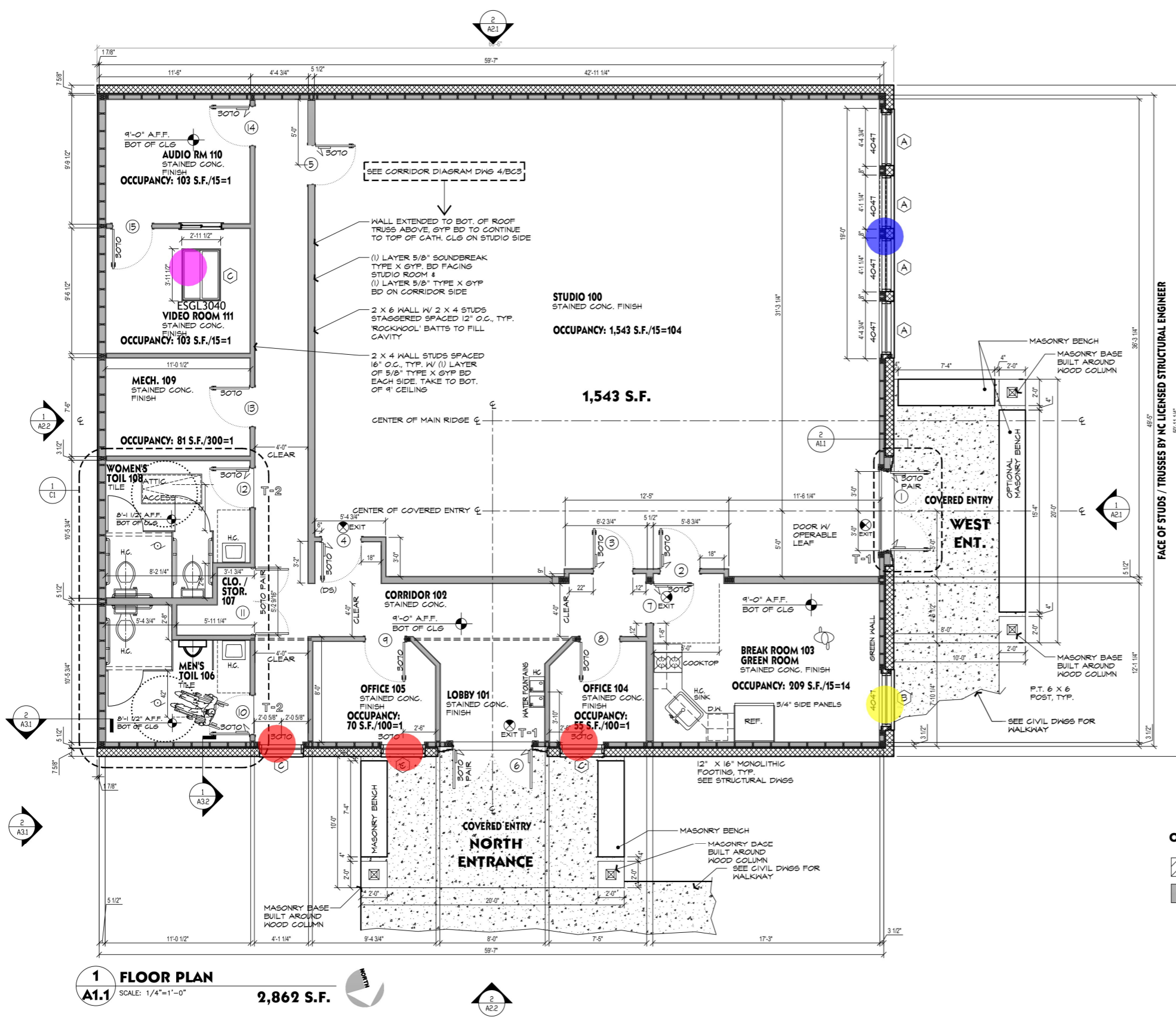
PROJECT NUMBER 2111
DRAWN BY: dej
DATE: 8 DEC. 2023

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REVISIONS:



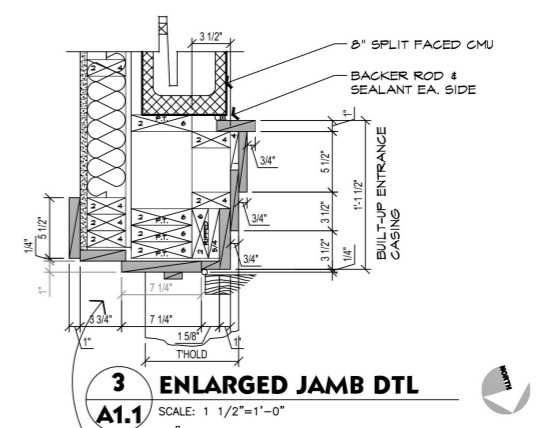
SHEET NO

A1.1

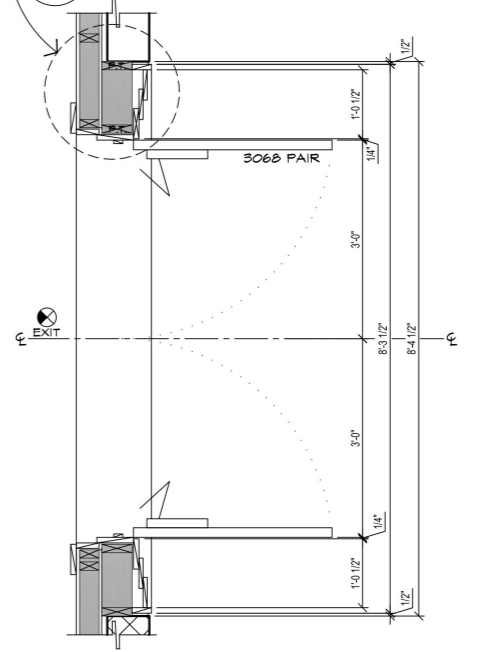


1 FLOOR PLAN
A1.1 SCALE: 1/4"=1'-0"
2,862 S.F.

- (C) 3'-4" x 7'-0" Window 3.0 EA
- (B) 4'-0" x 4'-8" Window 1.0 EA
- (A) 18'-3" x 9'-0" Aluminum Store Front 1.0 EA
- 3'-0" x 4'-0" Sky Light 1.0 EA



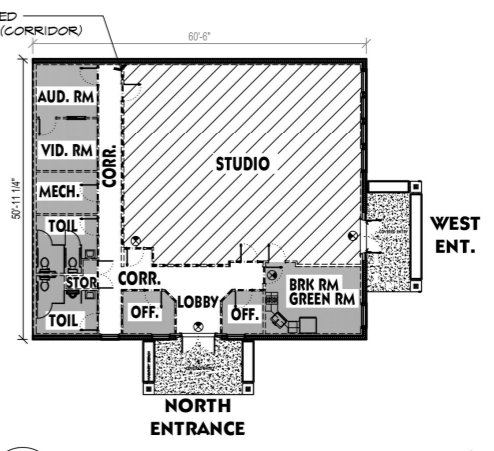
3 ENLARGED JAMB DTL
A1.1 SCALE: 1 1/2"=1'-0"



2 ENLARGED ENTRY PLAN
A1.1 SCALE: 3/4"=1'-0"

OCCUPANCY LEGEND

- ASSEMBLY OCCUP
- BUSINESS OCCUP



3 KEY PLAN
A1.1 NTS

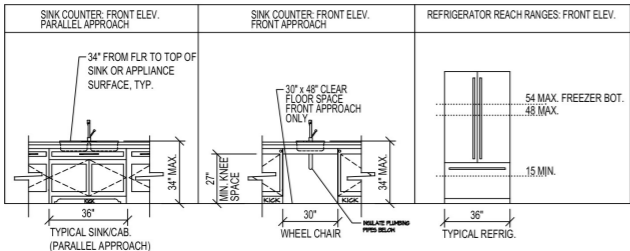
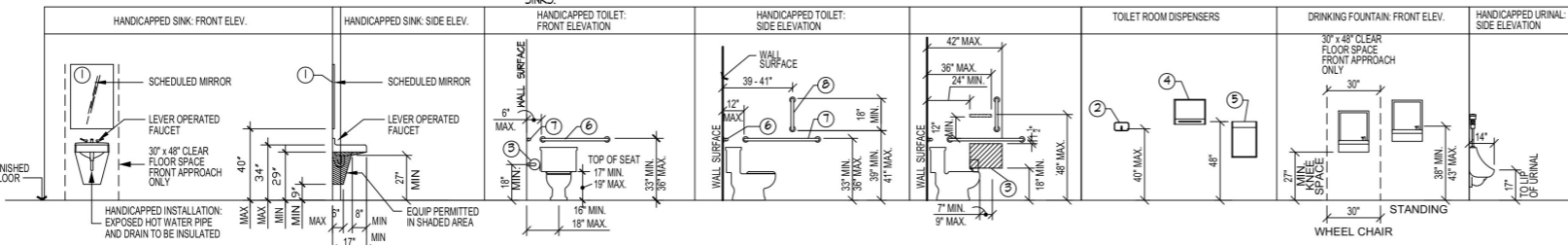
ABBREVIATIONS

- ◊ AT ANGLE
- A/C AIR CONDITIONING
- ACOUS. ACoustical
- ADDL. ADDITIONAL
- ADJ. ADJUSTABLE, ADJACENT
- ADJ. FINISH FLOOR
- ALUM. ALUMINUM
- ALT. ALTERED
- APPROX. APPROXIMATELY
- ARCH'L ARCHITECTURAL
- BETH. BENCH
- BLDG. BUILDING
- BLK. BLOCK'S
- BM. BEAM
- BOV. BOT. BOTTOM
- BRG. BRACING
- CB. CABINET
- CB. CATCH BASIN
- CJ. CONTROL JOINT
- CL.F. CENTER LINE
- CL.F. CEILING
- CL.F. FENCE
- CLG. CONCRETE MASONRY UNIT
- CLG. CARED OPENING
- COL. COLUMN
- COND'S CONDITIONS
- CONT. CONTINUOUS
- CORR. CORROSION
- CT. CERAMIC TILE
- CTR. CENTER
- DETD. DETAIL
- DI. DIMENSION(S)
- DI. DIMEN(S)
- DISP. DISPENSER
- DN. DOWN
- DS. DOWNSPOUT
- DWS. DRAWINGS
- EA. EXISTING
- E.D.S. EXISTING DOWN SPOUT
- EL. ELEVATION
- EXP. EXT. EXTERIOR
- EXP. JT. EXPANDED JOINT
- EXTIN. EXTINGUISHER
- F.D. FLOOR DRAIN
- F.V. FIELD VERIFY
- FE. FIRE EXTINGUISHER
- F.E.G. FIRE EXTINGUISHER CABINET
- F.F. FINISH FLOOR
- F.F.E. FINISH FLOOR ELEVATION
- F.L. FLOOR
- FL. FLASHING
- FLR.G. FLOORING
- F.S. FLOOR SINK
- FLGR. FLOOR GRAB BAR
- FP. FIREPROOFING
- F.R.P. FIBER REINFORCED PLASTIC
- FT. FOOT FEET
- FURR'G. FURRING
- FT. FOOT FEET
- GALV. GALVANIZED
- G.C. GENERAL CONTRACTOR
- GEN'L. GENERAL
- GL. GLASS
- GWB. GYPSUM WALL BOARD
- GWB. GYPSUM BOARD
- H. HOT OR HIGH
- HARDWD. HARDWOOD
- HC. HANDICAPPED
- HM. HOLLOW METAL
- HORIZ. HORIZONTAL
- HR. HOUR
- HT. HEIGHT
- HT. HEATING, VENTILATION & AIR CONDITIONING
- HYV. HEAVY
- HM. HARDWARE
- I.D. INNER DIAMETER
- INSUL. INSULATION
- INT. INTERIOR
- INV. INVERT
- ISOL. ISOLATION JOINT
- JAN. JANITOR
- J.B. JUNCTION BOX
- J.C. JANITOR'S CLOSET
- J.T. JOINTS
- J.T. JOINTS
- LAM. LAMINATE
- LAV. LAVATORY
- L.F. LINEAR FEET
- MAINT. MAINTENANCE
- MAS. MASONRY
- MAT'L. MATERIAL
- MAX. MAXIMUM
- MD. MEDIUM DENSITY OVERLAY
- MECH. MECHANICAL
- MFR. MANUFACTURER
- MIN. MINIMUM
- MISC. MISCELLANEOUS
- MNT'G. MOUNTING
- M.O. MASONRY OPENING
- MTL. METAL
- MILL. MILLION
- NOM. NOMINAL
- N.I.C. NOT IN CONTRACT
- N.T.S. NOT TO SCALE
- O.C. ON CENTER
- O.D. OUTER DIAMETER
- OPV. OPENING
- OPP. OPPOSITE
- PARTN. PARTITION (%&19)
- PL. PLATE
- PLAS. PLASTIC
- PLYWD. PLYWOOD
- PNL. PANEL
- POLY. POLYETHYLENE
- PRE. PAIR
- PRE FAB. PRE FABRICATED
- PTD. PAINTED
- R. RADIUS
- R.A. RETURN AIR
- R.C.P. REINFORCED CONCRETE PIPE
- R.D. ROOF DRAIN
- REF. REFERENCE
- REIN. REINFORCING
- REQD. REQUIRED
- RL. ROOF LEADER
- ROOM. ROOM
- R.O. ROUGH OPENING
- S.C. SOLID CORE
- S.T. STONE THRESHOLD
- SCH. SCHEDULE
- SH. SHEET
- SI. SQUARE INCH(S)
- SIM. SIMILAR
- SP.ECS. SPECIFICATIONS
- SQ. SQUARE
- STD. STD.
- STL. STEEL

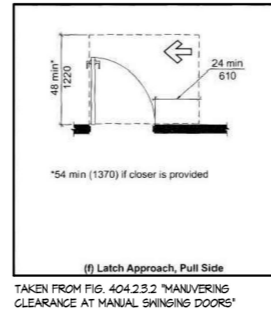
THE FIXTURE HEIGHTS & WIDTHS DIAGRAM PROVIDES INFORMATION ON FIXTURE HEIGHTS AND WIDTHS REQUIRED FOR AMERICANS WITH DISABILITIES. THE INFORMATION CAN BE FOUND IN THE MOST CURRENT ICC/ANSI A117.1 PUBLICATION.

34" TO TOP OF FINISH SINK'S HIGHEST ELEVATION, NOT JUST TO TOP OF COUNTER IN THE CASE OF A BREAK ROOM SINK LAYOUT.

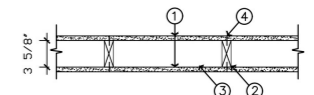
606 & EXPOSED PIPES AND SURFACES. WATER SUPPLY AND DRAINPIES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.



TOILET ACCESSORY SCHEDULE	NOTES
1 MIRROR- LOCATED BY OWNER	VERIFY MIRROR HEIGHTS
2 SOAP DISPENSER- LOCATED BY OWNER	
3 TOILET PAPER DISPENSER	VERIFY PER CODE
4 PAPER TOWEL DISPENSER- LOCATED BY OWNER	
5 PAPER TOWEL DISPOSAL- LOCATED BY OWNER	
6 1 1/2"Ø x 36" STAINLESS STEEL GRAB BAR @ 33 - 36" A.F.F. (TOP OF BAR)	VERIFY PER CODE
7 1 1/2"Ø x 42" STAINLESS STEEL GRAB BAR @ 33 - 36" A.F.F. (TOP OF BAR)	VERIFY PER CODE
8 1 1/2"Ø x 18" STAINLESS STEEL VERTICAL GRAB BAR	VERIFY PER CODE
9 RIGHT HAND FLUSH	VERIFY PER CODE
10 L HAND FLUSH	VERIFY PER CODE

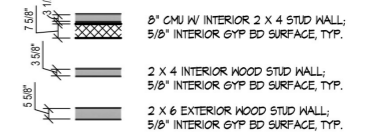


PARTITION TYPES

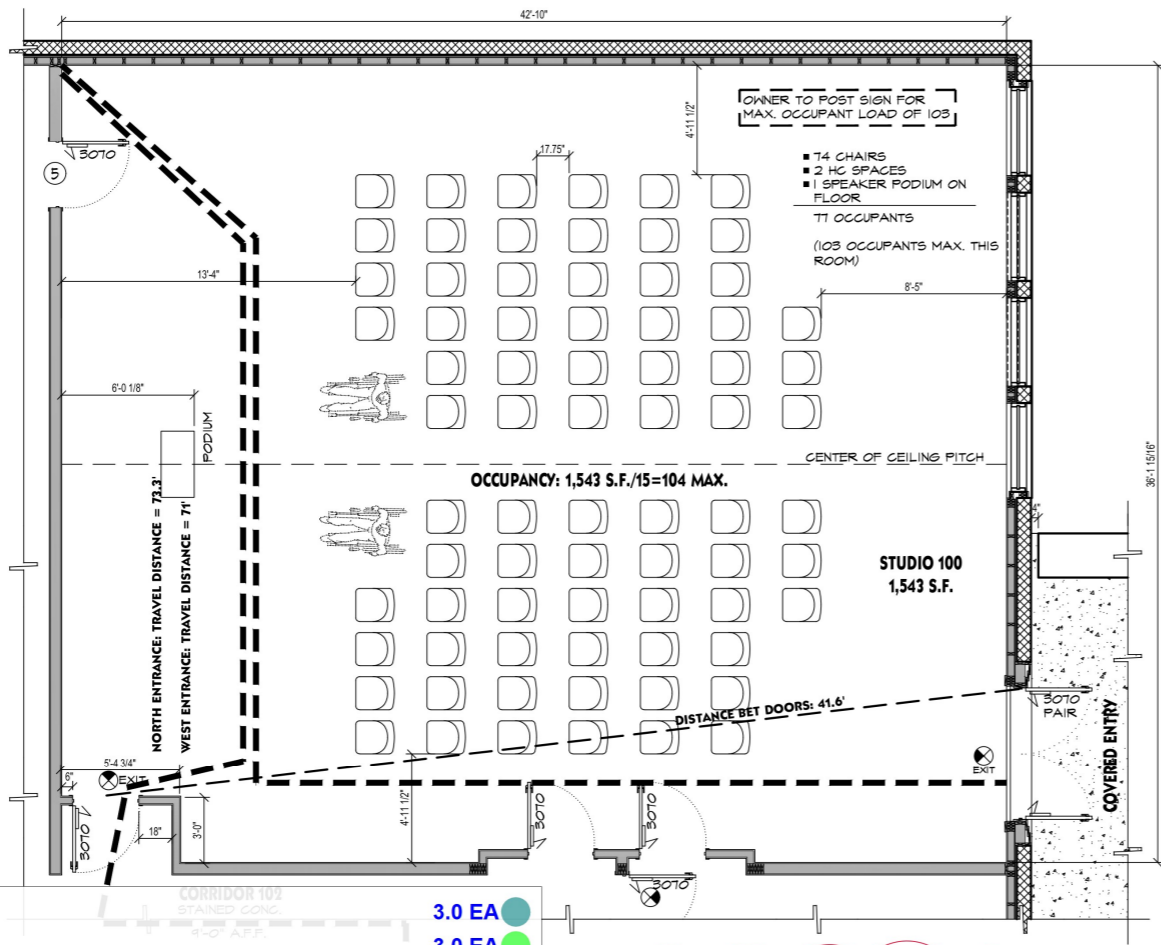
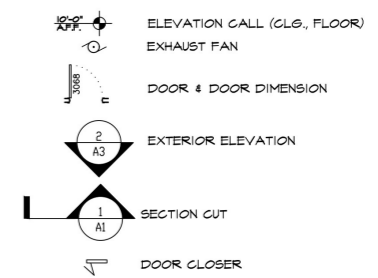


1. (1) LAYER 5/8" GYP. BD. EACH SIDE. CARRY GYP. BD. TO BOTTOM OF CEILING JOISTS.
2. 2 X 4 (2 X 6) WOOD STUDS @ 16" O.C. (TYP.)
3. 2 X 4 SOLE & DBL. TOP PLATES (NOT SHOWN). TOP OF WALL @ 8'-1 1/2" A.S.F.
4. TYPE 5 STEEL SCREENS SPACED 8" O.C. ALONG EDGES OF BOARD AND 12" O.C. IN THE FIELD OF THE BOARD

WALL LEGEND



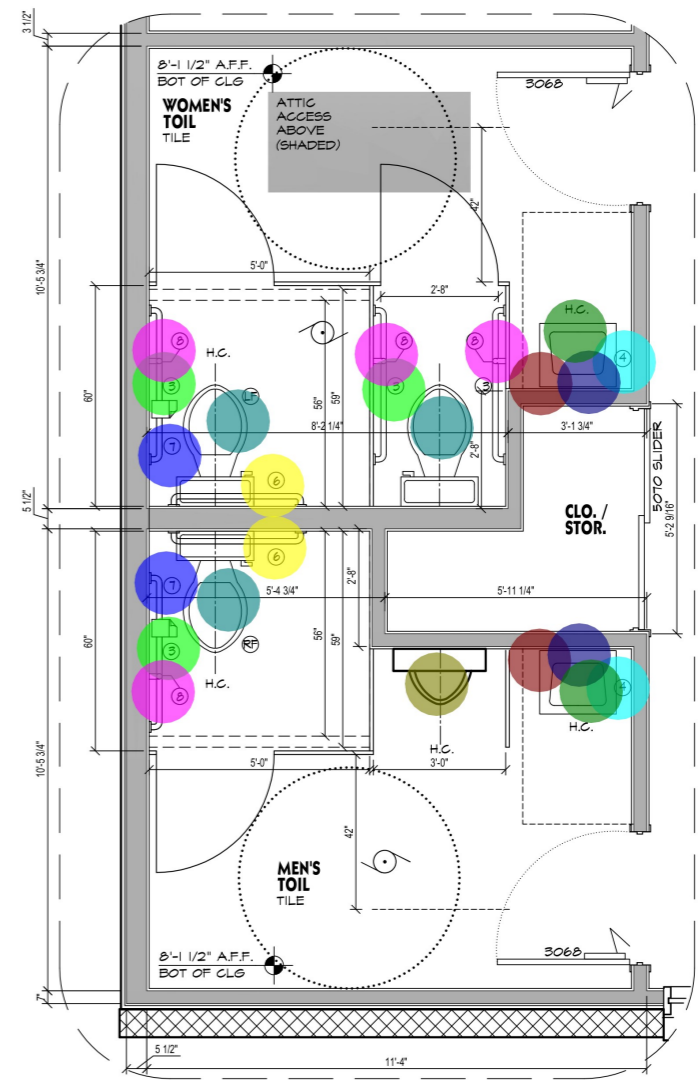
SYMBOL LEGEND



- Water Closet
- (3) Toilet Paper Dispenser
- (6) 1 1/2" A" x 36" Stainless Steel Grab Bar
- (7) 1 1/2" A" x 42" Stainless Steel Grab Bar
- (8) 1 1/2" A" x 18" Stainless Steel Vertical Grab Bar
- (4) Paper Towel Dispenser
- (2) Soap Dispenser
- Handicapped Sink w/ Tab Ware
- Urinal
- (1) 18"x36" Mirror

STUDIO USE STATEMENT:
 THIS STUDIO SPACE WILL BE USED AS A BAND ROOM TO CREATE MUSIC THAT IS TO BE RECORDED. THE ABOVE ROOM LAYOUT WILL BE THE WORST CASE SCENARIO FOR THIS SPACE. THE OWNER HAS ADDED A MULTI-USE FUNCTION TO THIS ROOM: GROUP MEETING.

1004.3 POSTING OF OCCUPANT LOAD
 "POSTING OF OCCUPANT LOADING SHALL BE IN ACCORDANCE WITH SECTION 204.11.2 OF THE NORTH CAROLINA ADMINISTRATIVE CODE AND POLICIES."
 (WITH THE APPROVAL OF THE CODE ENFORCER, THE ARCHITECT IS ASSIGNING AN OCCUPANT LOAD FACTOR OF 15 SF/PERSON INSTEAD OF A 7 SF/PERSON FOR THE SPACE.)



1 ENLARGED TOILET PLAN
 SCALE: 1/2"=1'-0"

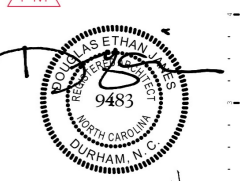
SHEET CONTENTS

TOILET RM SPECS
 GENERAL NOTES

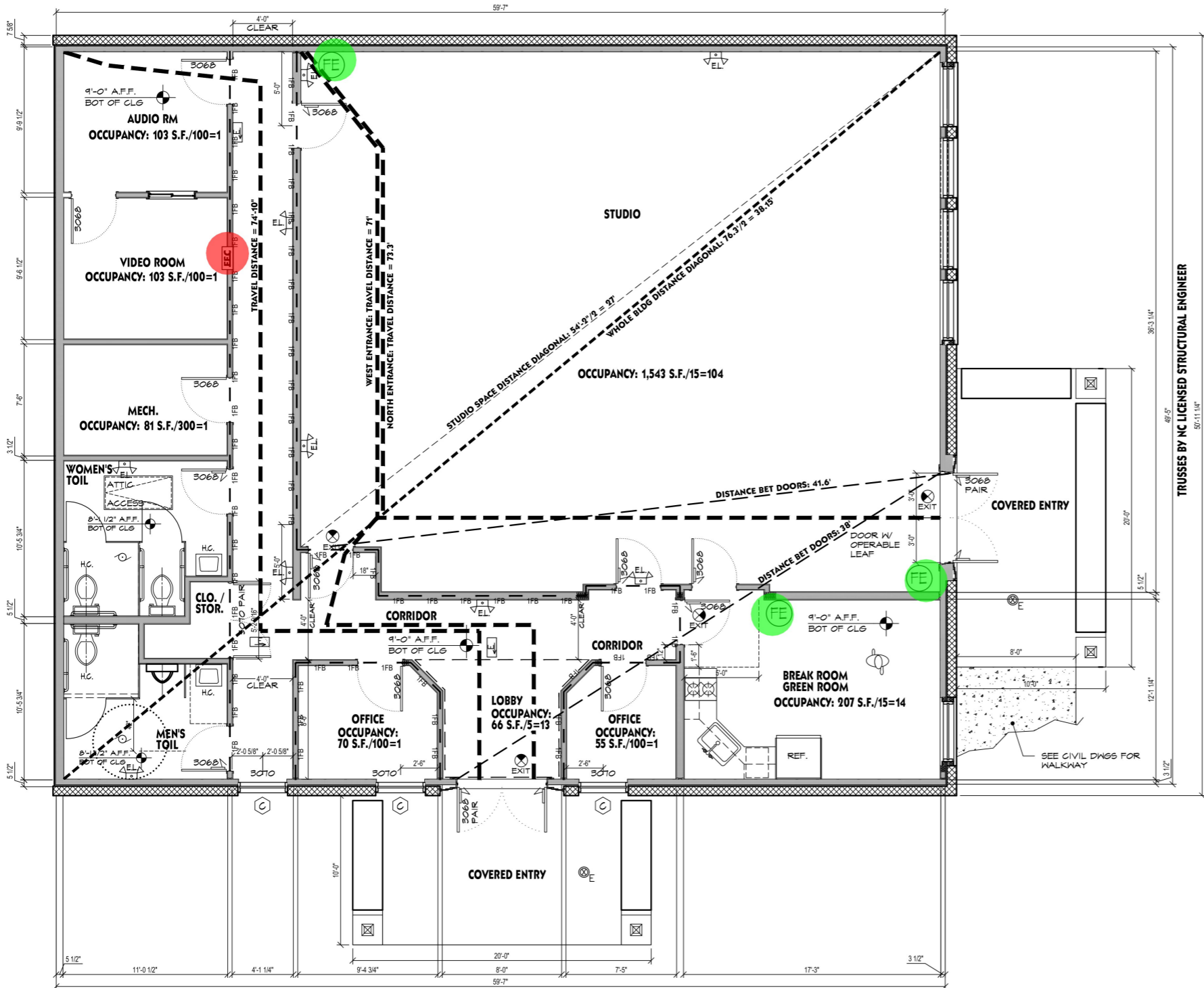
PROJECT NUMBER 2111
 DRAWN BY: dej
 DATE: 8 DEC. 2023

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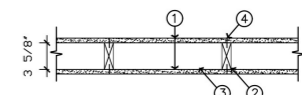
REVISIONS:



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PARTITION TYPES



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2. 2 X 4 (2 X 6) WOOD STUDS @ 16" O.C. (TYP.)
3. 2 X 4 SOLE PLATE & DBL TOP PLATES (NOT SHOWN). TOP OF WALL @ 8'-1 1/2" A.S.F.
4. TYPE S STEEL SCREENS SPACED 8" O.C. ALONG EDGES OF BOARD AND 12" O.C. IN THE FIELD OF THE BOARD

WALL LEGEND

- 8" CMU W/ INTERIOR 2 X 4 STUD WALL; 5/8" INTERIOR GYP BD SURFACE, TYP.
- 2 X 4 WOOD STUD WALL
- 2 X 6 WOOD STUD WALL W/ METAL SIDING

SYMBOL LEGEND

- ELEVATION CALL (CLG., FLOOR)
- EXHAUST FAN
- DOOR & DOOR DIMENSION
- EXTERIOR ELEVATION
- SECTION CUT
- DOOR CLOSER

SYMBOL LEGEND

- EMERGENCY LIGHT W/ BATTERY BACK-UP
- ILLUMINATED EXIT SIGN
- ILLUMINATED EXIT LIGHT W/ TRAVEL DIRECTION
- EXTERIOR, FLAT LED-TYPE 'X'
- FIRE EXTINGUISHER
- FIRE EXTINGUISHER CABINET (IN WALL)

906.1 ADDITIONAL REQ'D PORTABLE FIRE EXTINGUISHERS IN THE IFC 3315.1 Buildings under construction or demolition

RATED WALL LEGEND

- 0.5FP 1/2 HOUR FIRE PARTITION
- 1FB 1 HOUR FIRE BARRIER
- 2FB 2 HOUR FIRE BARRIER
- 1FP 1 HOUR FIRE PARTITION
- 2FP 2 HOUR FIRE PARTITION
- S - SURFACE MOUNTED S.S. FIRE EXTINGUISHER CABINET
- FEC - FLUSH MOUNTED RECESSED S.S. FIRE EXTINGUISHER CABINET (RATED)

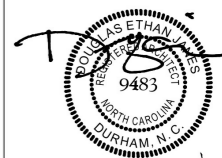
SHEET CONTENTS

- LIFE SAFETY PLAN
- BLDG CODE SUMMARY SHEET
- RATED WALL LEGENDS

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DATE: 8 DEC. 2023

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REVISIONS:
H FEB. 24
REVISE OCCUPANT LOAD CHART



29 NOV. 23

BC2

SHEET NO

1 LIFE SAFETY PLAN
BC2 SCALE: 1/4"=1'-0" **2,862 S.F.**

- Fire Extinguisher Cabinets 1.0 EA
- Fire Extinguisher 3.0 EA

OCCUPANT LOAD	
CORRIDOR 1020.2 44" FOR ASSEMBLY	
STUDIO 1,543 S.F. / 15	103
BREAK RM 207 S.F. / 15	14
LOBBY 66 S.F. / 5	13
MECH 81 S.F. / 300	1
OFFICE 55, 70, 103, 103 = 331 S.F.	4
TOTAL OCCUPANCY	135

5/8" (15.9 mm) ToughRock® Fireguard X™ or 5/8" (15.9 mm) DensArmor Plus Fireguard gypsum board applied vertically to each side of 2" x 4" wood studs 24" (610 mm) o.c. with 1-7/8" (48 mm) 6d coated nails 7" (178 mm) o.c. at joints and top and bottom plates and 3/8" (10 mm) beads of adhesive at intermediate studs. Joints staggered 24" on Opposite Sides.

Approved for Assembly:
 DensArmor Plus® Fireguard C® Products
 DensArmor Plus® Fireguard® Products
 DensElement™ Barrier Sheathing
 DensGlass® Fireguard® Sheathing
 DensShield® Fireguard® Tile Backer
 ToughRock® Fireguard C® Products
 ToughRock® Fireguard X® Mold-Guard™ Products
 ToughRock® Fireguard X® Products
 ToughRock® Lite-Weight Fire-Rated Products

Hourly Rating: 1-hour
 STC Rating:
 Fire Test Reference: GA WP 3520
 Sound Test Reference:

2 UL DETAIL U305
BC2

SOUND STUDIO

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FOOTING PLAN
GENERAL NOTES

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REVISIONS:
4 FEB. 24
FOOTING REVISION



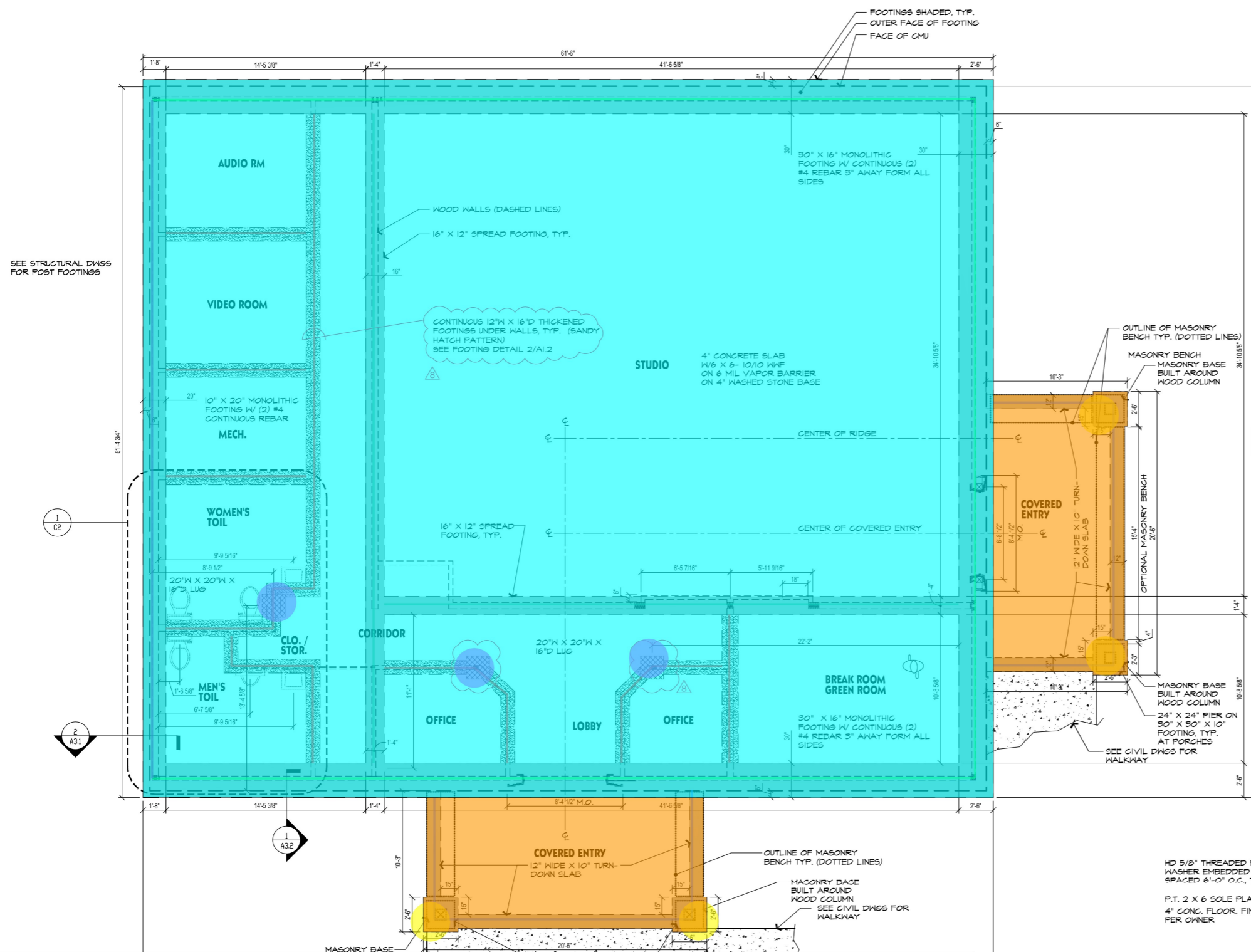
SHEET NO. **A1.2**

FOUNDATION NOTES:

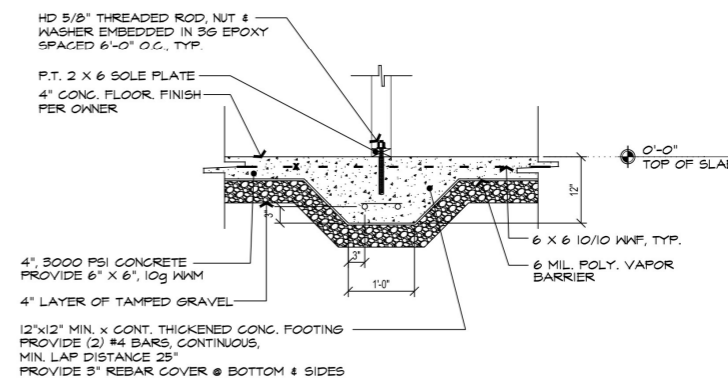
- FRAMING & STRUCTURAL COMPONENTS THAT ARE NOT SPECIFIED IN THE 2018 EDITION NRC ARE TO BE DESIGNED, SEALED & SIGNED BY A LICENSED NORTH CAROLINA ENGINEER.
- DIMENSIONS ON FOUNDATION PLAN ARE FROM FACE OF CONCRETE.
- FOOTING UNDER EXTERIOR WALL SHALL BE CONTINUOUS TURN-DOWN 12" X 12" D. PLACE 2 - #4 REBAR 3 INCHES ABOVE BOTTOM & 3" AWAY FROM SIDES OF FOOTING.
- P.L. (POINT LOAD) SHALL BE (4) 2 X 4 STUDS NAILED TO EACH ADJACENT STUD.

LEGEND/SYMBOL

- FOOTING UNDER EXTERIOR WALL SHALL BE CONTINUOUS TURN-DOWN 12" X 12" D. PLACE 2 - #4 REBAR 3 INCHES ABOVE BOTTOM & 3" AWAY FROM SIDES OF FOOTING.
- 4", 3000 PSI CONCRETE W/ THICKENED PERIMETER AS SHOWN; PROVIDE 6" X 6", 10g W/M AT MID-SLAB.
- 2 X 4 & 2 X 6 WOOD STUD WALL



Strip Footing 30" X 16" Monolithic Footing R/W 2#4	168.1 FT
Strip Footing 20" X 12" Monolithic Footing R/W 2#4	49.1 FT
Strip Footing 12" X 10" Monolithic Footing R/W 2#4	73.4 FT
Strip Footing 16" X 12" Monolithic Footing R/W 2#4	88.5 FT
Strip Footing 12" X 16" Monolithic Footing R/W 2#4	131.7 FT
Pad Footing 30" X 30" X 10" R/W 3#4 Each Way (Rebar To Be Assumed)	4.0 EA
Pad Footing 20" X 20" X 16" R/W 3#4 Each Way (Rebar To Be Assumed)	3.0 EA
4" Thk Interior Slab On Grade R/W W6 X 6 - 10/10 WWF Vapor Barrier On 4" Washed Stone Base	3193.7 SQ FT
4" Thk Exteriro Slab On Grade R/W W6 X 6 - 10/10 WWF Vapor Barrier On 4" Washed Stone Base	385.2 SQ FT



2 THICKENED SLAB @ INTERIOR WALLS
A1.2 SCALE: 3/4" = 1'-0"

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NEW BUILDING**
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REVISIONS:
4 FEB. 24
FOOTING REVISION



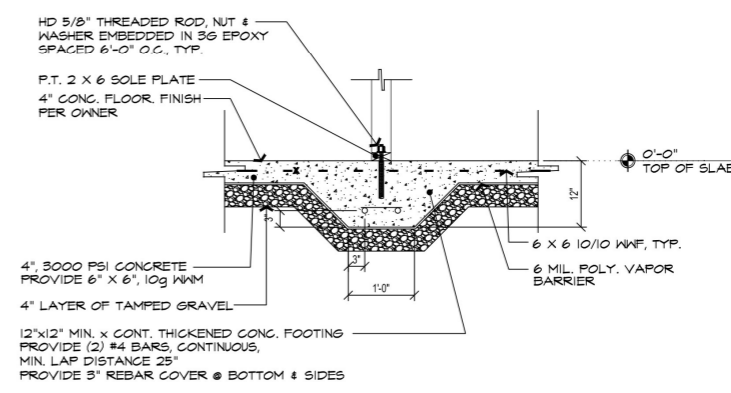
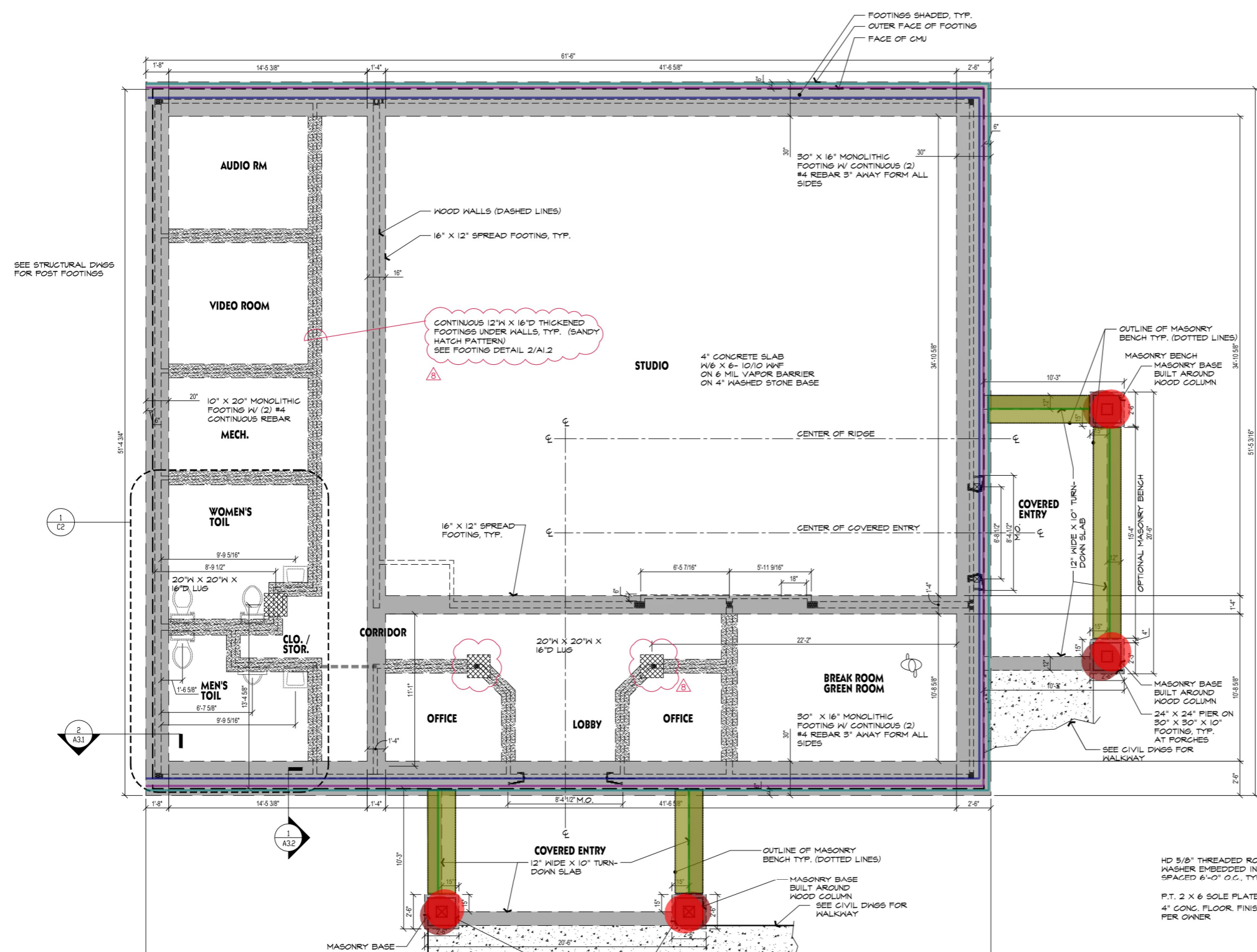
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- 4" 3000 PSI CONCRETE W/ THICKENED PERIMETER AS SHOWN; PROVIDE 6" X 6", 10g W/M AT MID-SLAB.
- 2 X 4 & 2 X 6 WOOD STUD WALL



2 THICKENED SLAB @ INTERIOR WALLS
SCALE: 3/4" = 1'-0"

• Concrete Masonry Base Pier 24" X 24" R/W 4#4 (Rebar Size To Be Assumed) (4'-3 1/2" -H)	4.0 EA
■ 24" Thk Concrete Masonry Bench R/W #4@24" (2'-0" -H) (Rebar Sized To Be Assumed)	38.4 FT
■ 3.5" Formed Concrete Seat Slab	77.0 SQ FT
■ 8" Thk Concrete Masonry Wall R/W #4 @ 24" O/c & Dur-O-Wall Galv Ladder 16" O/c (13'-0" -H)	170.7 FT
■ 8" X 4" Concrete Wainscot Course	172.7 FT
■ Concrete Masonry Bond Beam 0'-8" X 0'-8" R/W (2)#4	174.1 FT
• Wood Column (2) 9 1/4" X 9 1/4" (4'-6" -H)	4.0 EA

JAMB J1

**FAITH DEV. MIN. CENTER
NEW BUILDING**

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SHEET CONTENTS

CLG FRAMING PLAN
GENERAL NOTES

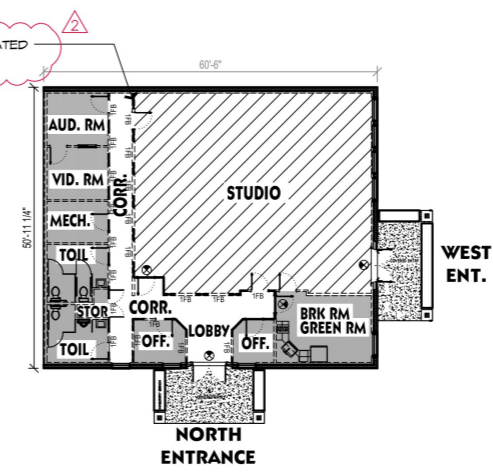
PROJECT NUMBER 2111
DRAWN BY: dej
DATE: 8 DEC. 2023

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REVISIONS:
 1. FEB 24 REVISE HEADER DESIGNATION
 2. FEB 24 NO SEPARATION CORR IS IHR RATED
 3. FEB 24 ADD HEADER DESIGNATION



SHEET NO. **A4.1**



2 KEY PLAN
A4.1 NTS

Screened-In/Covered Porch Note:
 1. Posts to be attached to footings, slab or CMU piers using ABU44 or ABU66 post base (or applicable size) OR (2) Simpson GA1 clips OR Simpson MAB15.
 2. Attach all rafters to headers w/ H2.5a clips.
 3. Uplift for posts to headers, posts to bands and bands to lower posts may be either (2) Simpson LCE4, (2) Simpson GA1 clips or (2) 1/2" diameter, 5" long LedgerLoks driven at a 45° degree angle, 1 to each side of posts or notched 50% width w/ (2) 1/2" diameter thru or lag bolts.

Lintel Schedule for Brick/Natural Stone Veneer

Length (ft)	Size
Up to 4	L 3.5 x 3.5 x 1/2
4-8	L 5 x 3.5 x 5/16 LLV
Over 8	L 6 x 4 x 5/16 LLV

Notes:
 1. Provide at least 3" bearing on brick at each end.
 2. Headers 8" or longer, attach to header w/ 1/2" lag screws @ 12" o.c. staggered.
 3. For all brick support @ roof lines, fasten (2) 2x10 blocking between studs w/ (4) 12d nails per ply. Fasten A 6"x4"x5/16" angle to (2) 2x10 blocking w/ (2) 1/2" lag screws @ 12" o.c. staggered. See Section R703.8.2.1 (NCRS 2018) for additional reference.

LEGEND/SYMBOL

- 8" CMU W/ INTERIOR 2 X 4 STUD WALL; 5/8" INTERIOR GYP BD SURFACE, TYP.
- 2 X 4 WOOD STUD WALL
- 2 X 6 WOOD STUD WALL W/ METAL SIDING

HEADERS

SEE WINDOW SCHEDULE (SHEET A5) FOR HEADERS OVER NEW WINDOWS.

MINIMUM HEADERS OVER OPENINGS SHALL BE AS FOLLOWS:
(SEE TABLE 502.5(1) FOR ADDITIONAL REQUIREMENTS)

SYM.	SPAN	WOOD HEADER	MASONRY LINTELS
HDR A	3'	(2) 2 X 6 (1 JKS)	ANGLE 3-1/2 X 3-1/2 X 1/2
HDR B	4'	(2) 2 X 8 (2 JKS)	ANGLE 3-1/2 X 3-1/2 X 1/2
HDR C	6'	(2) 2 X 10 (2 JKS)	ANGLE 5 X 3-1/2 X 5/16 LLV
HDR D	8'	(2) 2 X 12 (3 JKS) (ADD 1/2" PLYWOOD FLITCH FOR 2 X 4 WALLS, DBL 1/2" PLYWOOD FOR 2 X 6 WALLS)	ANGLE 6 X 4 X 5/16 LLV
(LVL)-LAMINATED VENEER LUMBER			
HDR E	11 1/2'	11 1/2" LVL (3 JKS)	
HDR F	11 7/8'	11 7/8" LVL (3 JKS)	

* SAMPLE NOTE: HDR E(2) = HEADER 'E', 2 PLYS

FRAMING NOTES:

- FRAMING & STRUCTURAL COMPONENTS THAT ARE NOT SPECIFIED IN THE 2018 EDITION NCRS ARE TO BE DESIGNED, SEALED & SIGNED BY A LICENSED NORTH CAROLINA ENGINEER.
- DIMENSIONS ON FRAMING PLAN ARE FROM FACE OF STUD TO FACE OF STUD.

WALL BRACING METHOD:

METHOD	PANEL THICKNESS	MINIMUM BRACE PANEL LENGTH OR BRACE ANGLE	CONNECTION CRITERIA
(CS-SFP) CONTINUOUSLY SHEATHED SFP	1/2"	24" ADJACENT TO WINDOW NOT MORE THAN 67% OF WALL HEIGHT, 30" ADJACENT TO DOOR OR WINDOW GREATER THAN 67% AND LESS THAN 85% OF WALL HEIGHT. 48" FOR TALLER OPENINGS	3/8" OSB NAILED W/ 1-8d NAILS @ 6" O.C. AT EDGES, 12" O.C. IN FIELD.

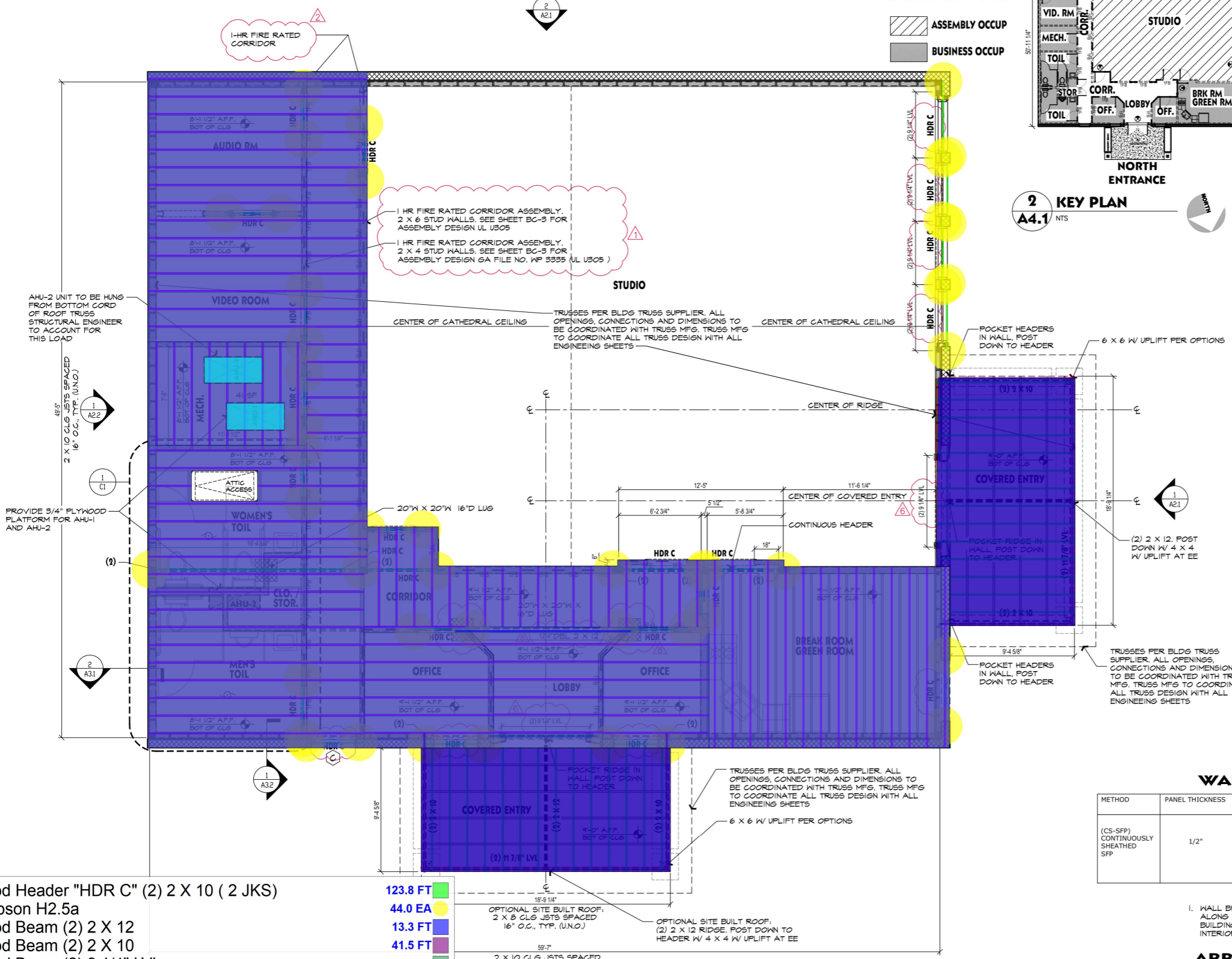
- WALL BRACING ON THIS PROJECT IS CONTINUOUS SHEATHING ALONG EAST WALL OF BUILDING. 8" CMU ALONG SIDES OF BUILDING. 5/8" GYPSUM BOARD PANELS THROUGHOUT INTERIOR OF BUILDING.

ABBREVIATION- STRUCTURAL NOTES:

- WALL BRACING NCRS-2018 EDITION SECTION R602.10
- (CS-SFP)- CONTINUOUS SHEATHING W/ 3/8" OSB NAILED W/ 1-8d NAILS @ 6" O.C. AT EDGES, 12" O.C. IN FIELD.
- (GB)- GYP BOARD WALL BRACE- 5/8"
- (HDR)- HEADER

RATED WALL LEGEND

- 1/2 HOUR FIRE PARTITION
- 1 HOUR FIRE BARRIER
- 2 HOUR FIRE BARRIER
- 1 HOUR FIRE PARTITION
- 2 HOUR FIRE PARTITION



Wood Header "HDR C" (2) 2 X 10 (2 JKS)	123.8 FT
Simpson H2.5a	44.0 EA
Wood Beam (2) 2 X 12	13.3 FT
Wood Beam (2) 2 X 10	41.5 FT
Wood Beam (2) 9 1/4" LVL	17.8 FT
Wood Beam (2) 11 7/8" LVL	37.6 FT
Ceiling Wood Joist 2 X 10 @ 16" O/c	1455.0 SQ FT
5/8" Plywood Ceiling Sheathing	1821.1 SQ FT
Standard Joist	2,862 S.F.
3/4" Plywood Platform For AHU	17.3 SQ FT
Ceiling Wood Joist 2 X 8 @ 16" O/C	366.9 SQ FT
Standard Joist	274.8 FT

CLG FRAMING PLAN
A4.1 SCALE: 1/4"=1'-0"

**FAITH DEV. MIN. CENTER
NEW BUILDING**

9739 FAYETTEVILLE RD, FUQUAY-YARINA, NC

SHEET CONTENTS

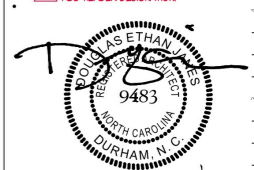
ROOF FRAMING PLAN
GENERAL NOTES

PROJECT NUMBER 2111
DRAWN BY: dej
DATE: 8 DEC. 2023

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REVISIONS:

- ▲ FEB. 24 REVISE HEADER DESIGNATION
- ▲ FEB. 24 ADD HEADER DESIGNATION



29 NOV. 23
A4.2

Screened-In/Covered Porch Notes:

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HEADERS

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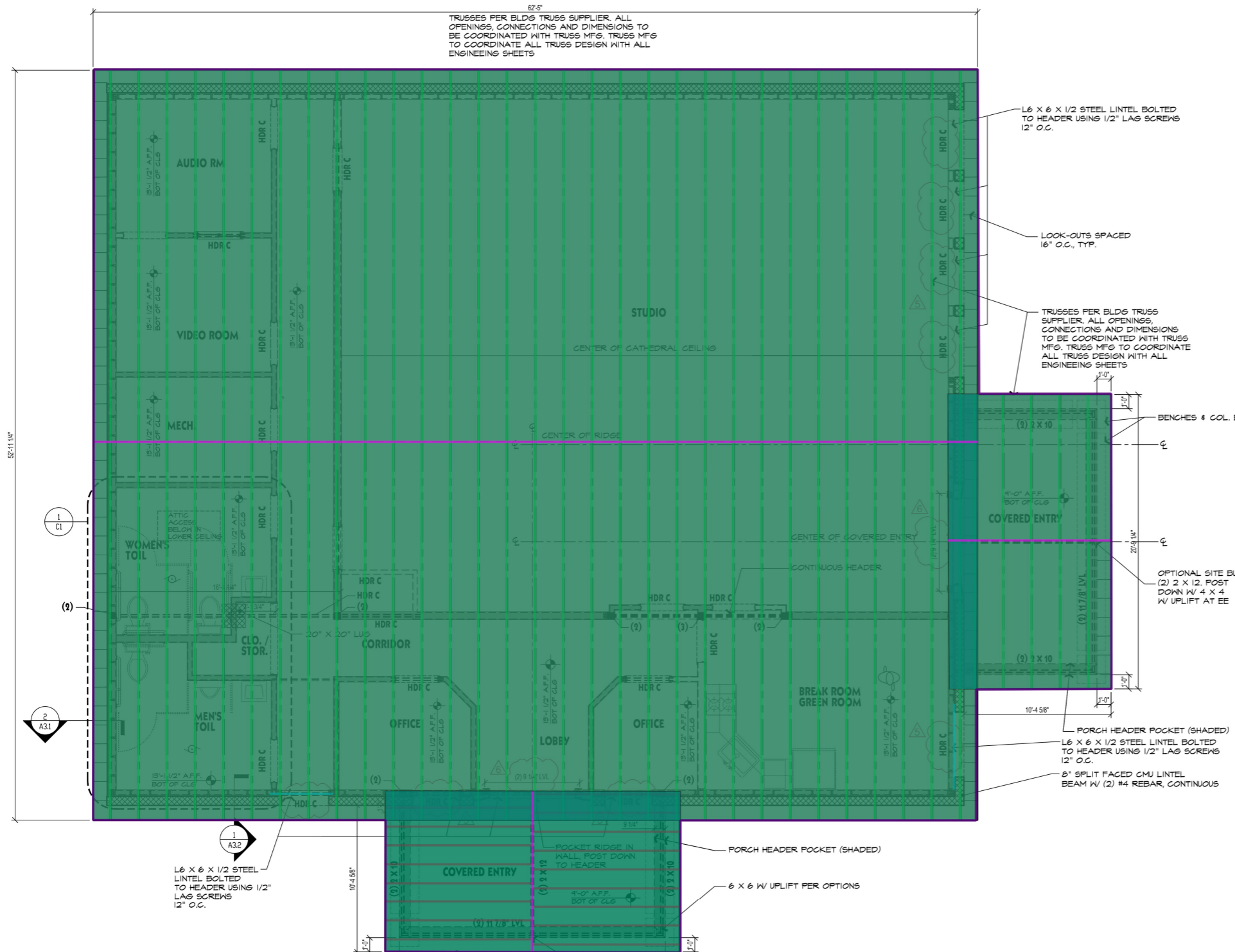
MINIMUM HEADERS OVER OPENINGS SHALL BE AS FOLLOWS: (SEE TABLE 502.5(I) FOR ADDITIONAL REQUIREMENTS)

SYM.	SPAN	WOOD HEADER	MASONRY LINTELS
HDR A	3'	(2) 2 X 6 (1 JKS)	ANGLE 3-1/2 X 3-1/2 X 1/2
HDR B	4'	(2) 2 X 8 (2 JKS)	ANGLE 3-1/2 X 3-1/2 X 1/2
HDR C	6'	(2) 2 X 10 (2 JKS)	ANGLE 5 X 3-1/2 X 5/16 LLV
HDR D	8'	(2) 2 X 12 (3 JKS) (ADD 1/2" PLYWOOD FLITCH FOR 2 X 4 WALLS, DBL 1/2" PLYWOOD FOR 2 X 6 WALLS)	ANGLE 6 X 4 X 5/16 LLV
(LVL)-LAMINATED VENEER LUMBER			
HDR E		1 1/2" LVL (3 JKS)	
HDR F		1 1/2" LVL (3 JKS)	

* SAMPLE NOTE: HDR E(2)=HEADER 'E', 2 PLYS

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- DIMENSIONS ON FRAMING PLAN ARE FROM FACE OF STUD TO FACE OF STUD.



1 ROOF FRAMING PLAN
2,862 S.F.

- Ridge (2) 2 X 12
- Steel Lintel L6 X 6 X 1/2 W/ 1/2" Lag Screws 12" O/C
- Roof Wood Rafter 2 X 8 @ 16" O/C
- Roof Wood Purlin 2 X 2 @ 24" O/c
- 1 X 8 PVC Fascia On 2 X 8 Sub-Fascia
- 2 X 6 Outlooker
- 29 GA Standing Seam Metal Roof
- Standard Joist
- Standard Joist

85.4 FT	ROOF, FACED
10.6 FT	ROOF, UNFACED
237.1 SQ FT	
3546.8 SQ FT	
268.3 FT	
268.3 FT	
3782.9 SQ FT	
177.1 FT	
1747.2 FT	

OPTIONAL SITE BUILT ROOF: (2) 2 X 12, POST DOWN W/ 4 X 4 W/ UPLIFT AT EE

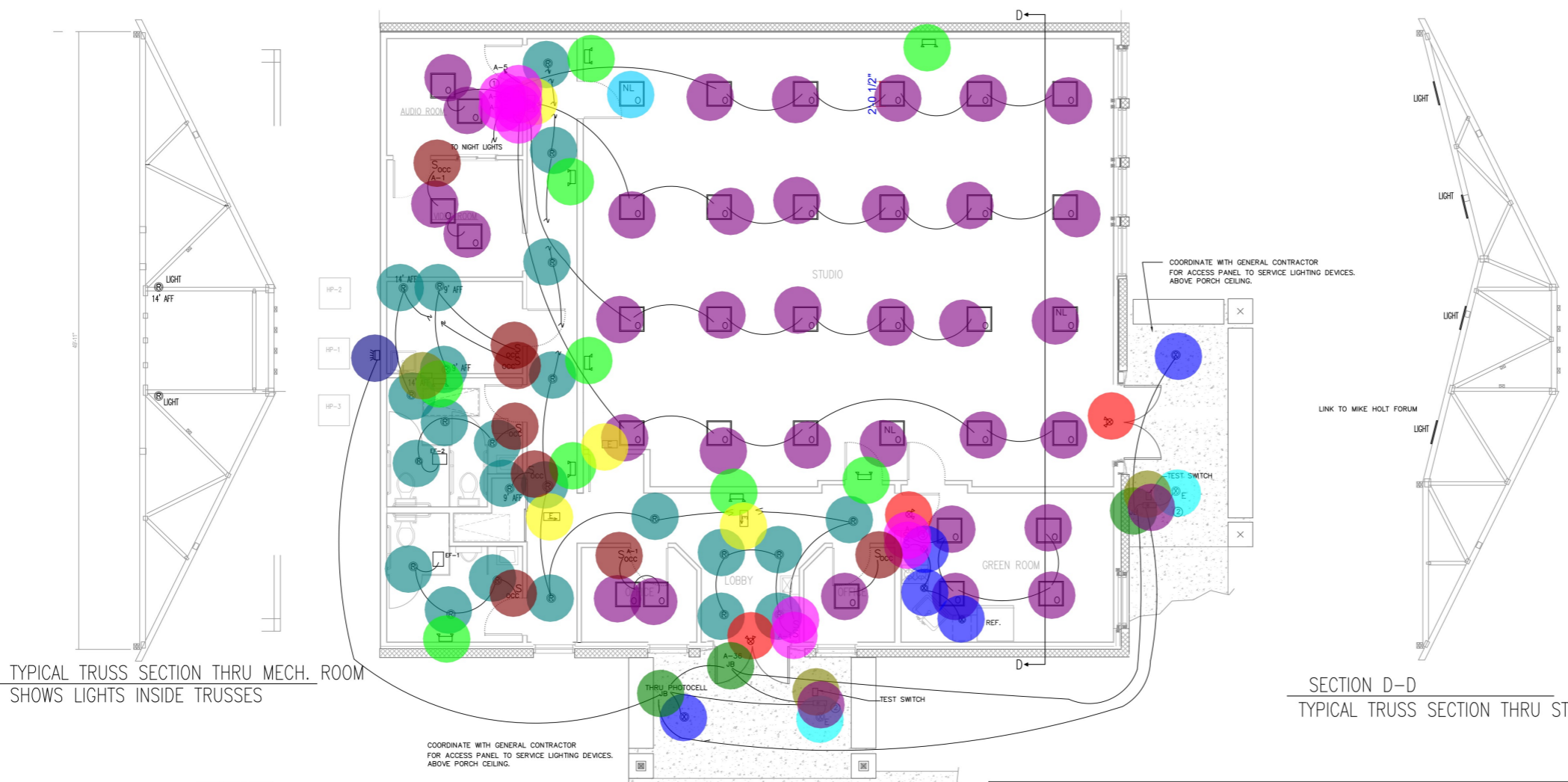
SHEET NO



Chris Mullen

PROJECT POWER SYMBOL LEGEND

- AFF ABOVE FINISHED FLOOR
- JB JUNCTION BOX
- S SWITCH, SINGLE POLE
- S₃ SWITCH, 3-WAY
- FLOOR BOX KIT, 2 GANG WITH POWER & DATA PLASTIC ADJUSTABLE BOX WITH LOW VOLTAGE DIVIDER, FORGED BRASS COVER PLATE; LEVITON FBOX-GY OR EQ.
- TELEPHONE/ DATA OUTLET; 48" AFF 4X4 BOX W/ 3/4" CONDUIT THRU CLG.
- CIRCUIT NUMBER XX, PANEL A
- DISCONNECT SWITCH
- NL NIGHT LIGHT; POWER THROUGH AUDIO ROOM SWITCH
- S_{occ} OCCUPANCY SENSOR LIGHTING CONTROLLER



TYPICAL TRUSS SECTION THRU MECH. ROOM SHOWS LIGHTS INSIDE TRUSSES

SECTION D-D TYPICAL TRUSS SECTION THRU STUDIO

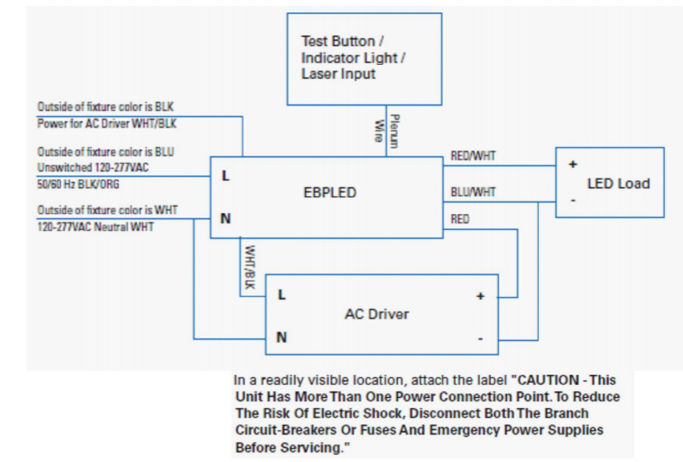
GENERAL LIGHTING PLAN (PROPOSED)
 SCALE: 3/16" = 1 FT.

- LIGHTING KEY NOTES**
- INSTALL DIMMER FOR EACH ROW OF STUDIO LIGHTS SET 3 POSITION SWITCH ON BACK OF LIGHT FIXTURE TO 4400 LUMENS. USE MC-PCS DUO OR EQUAL IF COMBINING LIGHT CIRCUITS AND CLASS 2 OR 3 CONTROL CIRCUITS IN SAME CABLE.
 - WIRE EMERGENCY LIGHT DRIVER (BATTERY PACK) IN STRICT ACCORDANCE WITH MANUFACTURER'S WIRING DIAGRAM. WIRING DIAGRAMS VARY DEPENDING ON ACTUAL DEVICE PURCHASED. INSTALL STICKER ON EMERGENCY DRIVER STATING THAT IT IS SUPPLIED BY TWO SEPARATE SOURCES (BOTH SAME CIRCUIT), ONE SOURCE THROUGH PHOTOCELL ONE SOURCE UNSWITCHED. SEE BATTERY PACK DETAIL THIS SHEET.

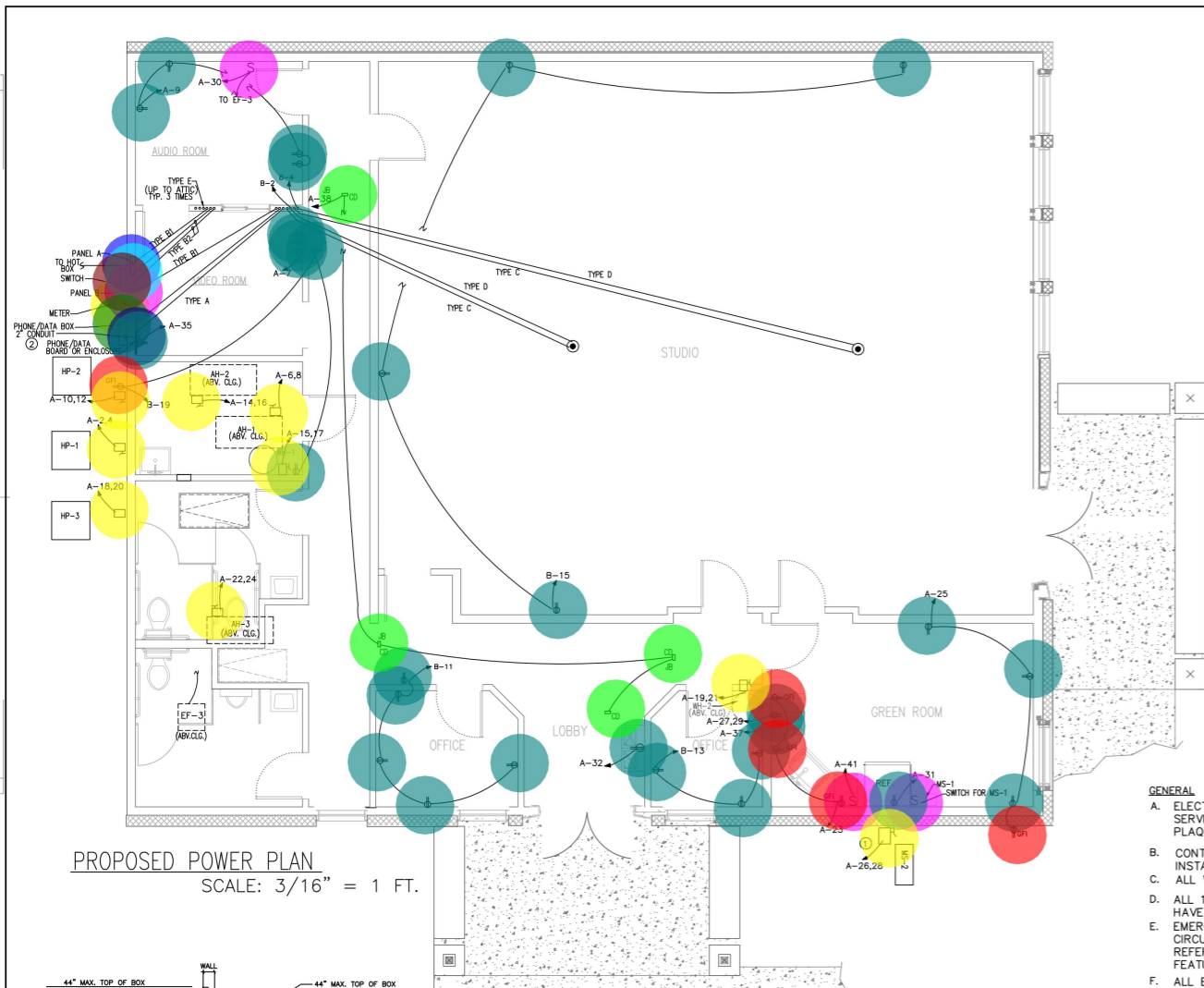
SYMBOL	TYPE	DESCRIPTION	MANUFACT./MODEL
○	FLAT PANEL LED, TYPE O	2X2 SURFACE MOUNT, LED, 4400/3300/2400 LUMENS INTERNAL SWITCHED; 39.0 WATT INPUT;	LITHONIA CPANL 2X2 24/33/44LM 40K
⊗	EXTERIOR FLAT LED, TYPE X	SURFACE MOUNT TO JUNCTION BOX; 14.8 WATTS LED; 1200 LUMENS; DAMP LOCATION	HALO SLD6 1200 SERIES OR SIMILAR
⊗	EXTERIOR FLAT LED, TYPE X	W/EMERGENCY BATTERY BACK-UP; 14.8 WATTS LED; 1200 LUMENS; DAMP LOCATION	HALO SLD6 1200 SERIES OR SIMILAR
⊞	EMERGENCY BATTERY PACK	DAMP LOCATION BATTERY FOR LED FIXTURES; W/ SELF DIAGNOSTICS AND TEST BUTTON; 14 WATT	SURELIGHT EBPLED14W OR SIMILAR
⊞	LOW PROFILE LED DOWNLIGHT, TYPE R	SURFACE MOUNT TO MOUNTING HOLE; REMOTE DRIVER 13.5 WATTS LED; 981 LUMENS;	TAMLIGHT CLY6 OR SIMILAR
⊞	ILLUMINATED EXIT LIGHT	POLYCARBONATE HOUSING; BATTERY BACK-UP; WHITE; W/ ARROWS AS APPROPRIATE	DUAL LITE LX-U-R-WE OR EQUAL
⊞	ILLUMINATED EXIT LIGHT W/ ARROW BOTH SIDES	POLYCARBONATE HOUSING; BATTERY BACK-UP; WHITE; W/ ARROWS AS APPROPRIATE	DUAL LITE LX-U-R-WE OR EQUAL
⊞	COMBINATION EXIST/EMERGENCY	POLYCARBONATE HOUSING; BATTERY BACK-UP; WHITE	DUAL LITE LT-UR OR EQUAL
⊞	EMERGENCY LIGHT	POLYCARBONATE HOUSING; BATTERY BACK-UP; WHITE	DUAL LITE EZ-2 OR EQUAL
⊞	EXTERIOR WALL PACK	FULL CUT-OFF EXTERIOR LED; 11 WATT INPUT, W/BATTERY BACK-UP FOR EMERG. EGRESS	LITHONIA WPX1 OR SIMILAR

- 2'X2' Flat Panel LED Type O
- NL: 2'X2' Flat Panel LED Night Light Type O; Power Audio Room Switch
- R: Low Profile LED Downlight
- Combination Exist/Emergency Light
- Emergency Light
- E: Illuminated Exit Light
- Exterior Flat LED Type X
- Single Pole Switch
- E: Exterior Flat LED Type
- SOCC: Occupany Sensor Lighting Controller
- JB: Junction Box
- Test Switch
- Exterior Wall Pack Light
- Emergency Battery Pack Light

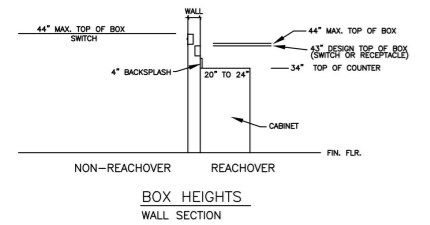
QUANTITY	WATTS	TYPE
24 FIXTURES X 39.0 WATTS =	936 WATTS	O
6 FIXTURES X 13.5 WATTS =	81 WATTS	R
7 FIXTURES X 39.0 WATTS =	273 WATTS	O
13 FIXTURES X 13.5 WATTS =	175.5 WATTS	R
13 FIXTURES X 15.6 W =	202.8 WATTS	X
4 FIXTURES X 13.5 WATTS =	54 WATTS	R
TOTAL	1709 WATTS	



BATTERY PACK DETAIL (TYPICAL) VERIFY SELECTED DEVICE



PROPOSED POWER PLAN
SCALE: 3/16" = 1 FT.



- POWER KEY NOTES:**
- VERIFY WITH LOCAL INSPECTOR THAT NO SWITCH REQUIRED FOR INDOOR UNIT.
 - COORDINATE WITH CHOSEN PHONE/DATA PROVIDER PRIOR TO POURING FLOOR SLAB TO OBTAIN SPECIFIC REQUIREMENTS FOR CONDUIT AND BOXES.
 - INSTALL GFCE CIRCUIT BREAKER FOR POWER TO BACKFLOW PREVENTER HOT BOX. INSTALL WEATHERPROOF NEMA 3R TYPE RECEPTACLE WITH IN-USE COVER FROM STUBBED UP CONDUIT INSIDE BOX. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.

ELECTRICAL NOTES

- GENERAL**
- ELECTRICAL CONTRACTOR SHALL OBTAIN MAXIMUM FAULT CURRENT NUMBER FROM UTILITY AND OBTAIN SERVICE EQUIPMENT WITH RATING GREATER THAN THAT AMOUNT. POST MAXIMUM FAULT CURRENT WITH PLAQUE ON SERVICE DISCONNECT.
 - CONTRACTOR TO INSPECT PHYSICAL EQUIPMENT NAMEPLATE DATA AND VERIFY ON SITE PRIOR TO INSTALLING ELECTRICAL EQUIPMENT AND CIRCUITS.
 - ALL WORK SHALL BE INSTALLED PER ALL GOVERNING CODES.
 - ALL 125 VOLT, SINGLE PHASE, 15 OR 20 AMP RECEPTACLES LOCATED WITHIN 6 FEET OF A SINK SHALL HAVE GROUND-FAULT PROTECTION AS REQUIRED BY NEC.
 - EMERGENCY LIGHTING SHALL BE CONNECTED AHEAD OF ANY SWITCH ON THE EXISTING LOCAL LIGHTING CIRCUIT. REFER TO NEC 700.12(F)(2)(3) FOR AN EXCEPTION THAT ALLOWS A SEPARATE CIRCUIT WITH A LOCK-ON FEATURE.
 - ALL EQUIPMENT SHALL BE THIRD PARTY LISTED.
 - DEVICES REQUIRED TO BE ADA ACCESSIBLE SHALL BE INSTALLED IN ACCORDANCE WITH ANSI A117.1.
 - ALL NEW POWER RECEPTACLES SHALL BE HEIGHT OF 16" AFF TO CENTERLINE OF LOWEST DUPLEX RECEPTACLE, UNLESS NOTED OTHERWISE. ALL NEW PHONE AND DATA OUTLETS TO BE AT SAME MINIMUM HEIGHT.
- LABELING**
- ELECTRICAL CONTRACTOR TO RECORD PANEL NUMBER AND CIRCUIT NUMBER OF ANY CIRCUITS CHANGED FROM THE ORIGINAL DESIGN CIRCUIT NUMBER BY RED-LINING PAPER OR DIGITAL DRAWING. THIS INFORMATION IS REQUIRED ON LIGHTING AND POWER DEVICES, INCLUDING RECEPTACLES. THIS IS FOR FUTURE USE IN OWNER'S MAINTENANCE.
 - PANEL LABEL FOR EACH CIRCUIT SHALL PROVIDE USEFUL & ACCURATE INFORMATION.
 - USE PERMANENT BLACK MARKER TO WRITE CIRCUIT NUMBER ON OUTSIDE OF DOWNSTREAM JUNCTION BOX AND INSIDE RECEPTACLE OR SWITCH BOXES WHERE PHYSICALLY POSSIBLE.
 - DIGITALLY PRINT PANEL NUMBER AND CIRCUIT NUMBER ON WHITE ADHESIVE-BACK LABEL FOR EACH RECEPTACLE AND APPLY LABEL TO COVER PLATE NEATLY IN HORIZONTAL POSITION.

TAG	TYPE	QUANTITY	SIZE/MAT.	LOCATION	ORIGIN/DESTINATION	ELEC CONTRACTOR PULLS WIRE?
29.0 EA	Duplex Receptacle					
5.0 EA	GFCI: Ground Fault Interrupter Duplex Recepta...					
4.0 EA	JB: Corridor Damper w/ Electrical Actuator					
9.0 EA	Disconnect Switch					
3.0 EA	Single Pole Switch					
1.0 EA	Electric Meter					
1.0 EA	Tag: Panel A					
1.0 EA	Tag: Panel A					
1.0 EA	Hot Box					
1.0 EA	Switch					
1.0 EA	Phone/Data Box					
1.0 EA	Phone/Data Board or Enclosure					

SERVICE SIZING--CONNECTED & CODE LOADS

DESCRIPTION	CONNECTED LOAD (kVA)	DIVERSITY	CORR/ NONCORR
INTERIOR LIGHTING	2.0 W/20' X 3000 3" = 6.0 KW	100%	100%
EXTERIOR LIGHTING	0.5 KW	100%	100%
PRODUCTION CIRCUITS	8 @ 15 A X 120V = 14.4 KVA		100%
RECEPTACLES	20 @ 180 VA = 3.6 KVA	100%	100%
THAC HEATING	43.1 KVA	100%	100%
THAC COOLING	3-25.9 KVA	100%	100%
WATER HEATING	15.5 KVA	100%	100%
EQUIPMENT/APPLIANCES	11.5 KW	100%	100%
THAC LARGEST W/ HEATING	20%	100%	100%
STOREFRONT	NA	100%	100%
SIGN CIRCUIT	1.9 KVA	100%	100%
TOTALS	88.8 KVA		

SERVICE VOLTAGE CHARACTERISTICS ARE 208/120, 1P, 3W
DIVERSITY FACTOR IS 208
SERVICE SIZE EQUALS DEMAND DIVIDED BY VOLTAGE
SERVICE SIZE = 289 AMPERES
CIRCUITING SMALLER THAN HEAVIER THAN NOT COUNDED

- OBJECT POWER MBOL LEGEND**
- 29.0 EA (Blue circle)
 - 5.0 EA (Red circle)
 - 4.0 EA (Green circle)
 - 9.0 EA (Yellow circle)
 - 3.0 EA (Magenta circle)
 - 1.0 EA (Light blue circle)
 - 1.0 EA (Dark blue circle)
 - 1.0 EA (Cyan circle)
 - 1.0 EA (Purple circle)
 - 1.0 EA (Brown circle)
 - 1.0 EA (Light green circle)
 - 1.0 EA (Dark green circle)
 - 1.0 EA (Dark purple circle)
- ABOVE FINISHED FLOOR
JUNCTION BOX
SWITCH, SINGLE POLE
SWITCH, 3-WAY
DUPLEX RECEPTACLE, 120V
RECEPTACLE 208V
- FLOOR BOX KIT, 2 GANG WITH POWER & DATA:
PLASTIC ADJUSTABLE BOX WITH LOW VOLTAGE DIVIDER.
FORGED BRASS COVER PLATE; LEVITON FBBOX-GY OR EQ.
- TELEPHONE/ DATA OUTLET; 48" AFF
4X4 BOX W/ 3/4" CONDUIT THRU CLG.
- CIRCUIT NUMBER XX, PANEL A
- DISCONNECT SWITCH
- NIGHT LIGHT; POWER THROUGH AUDIO ROOM SWITCH
- CORRIDOR DAMPER W/ ELECTRICAL ACTUATOR

PANEL A																				
Circuit No.		KVA	C	G	W	CB	1	2	3											
1	OFFICE & NIGHT LIGHTS	0.8	3/4	12	12	20	0.7													
3	BLANK																			
5	STUDIO GENERAL LIGHTS	0.9	3/4	12	12	20		0.9												
7	VIDEO RM RECEPTACLES	0.5	3/4	12	12	20	0.5													
9	AUDIO RM RECEPTACLES	0.7	3/4	12	12	20		0.7												
11	BLANK																			
13	BLANK																			
15	WATER HEATER WH-1	4.5	3/4	10	10	30		2.3												
17	BLANK																			
19	WATER HEATER WH-2	4.5	3/4	10	10	30		2.3												
21	BLANK																			
23	RECEPT. GREEN RM COUNTER	0.5	3/4	12	12	20		0.5												
25	RECEPT GREEN ROOM	0.8	3/4	12	12	20	0.8													
27	STOVE	8.3	3/4	10	8	40		4.2												
29	BLANK																			
31	REFRIGERATOR	0.5	3/4	12	12	15	0.5													
33	BLANK																			
35	PHONE BOARD RECEPT.	0.5	3/4	12	12	20		0.5												
37	MICROWAVE/HOOD	1.6	3/4	12	12	15	1.6													
39	BLANK																			
41	DISHWASHER	1.1	3/4	12	12	15		1.1												
TOTALS LEFT SIDE											25.2		6.4	9.5	9.5					
TOTALS RIGHT SIDE											40.7		14.4	13.0	12.3					
TOTAL CONNECTED											65.9		20.8	22.5	21.8					
											CONNECTED LOAD			65.9 KVA X 1000 / 361 = 182 A						
											208/120 volts ; 3 phase			4 Wire						
											200 AMP MAIN BREAKER			** = GFCE CIRC. BREAKER						
											CONTRACTOR VERIFY ALL VOLTAGES									
											E = "existing"									
											RECEPT= receptacle									

PANEL A SCHEDULE

PANEL B																			
Circuit No.		KVA	C	G	W	CB	1	2	3										
1	PRODUCTION USES	1.8	3/4	12	12	20	1.8												
3	PRODUCTION USES	1.8	3/4	12	12	20		1.8											
5	PRODUCTION USES	1.8	3/4	12	12	20			1.8										
7	PRODUCTION USES	1.8	3/4	12	12	20	1.8												
9	PRODUCTION USES	1.8	3/4	12	12	20			1.8										
11	OFFICE RECEPTACLES	0.5	3/4	12	12	20			0.5										
13	OFFICE RECEPTACLES	0.9	3/4	12	12	20	0.9												
15	STUDIO GENERAL RECEPT.	0.9	3/4	12	12	20	0.9												
17	BLANK																		
19	CORRIDOR/MECH. RM RECEPT.	0.5	3/4	12	12	20	0.5												
21																			
23																			
25																			
27																			
29																			
31																			
33																			
35																			
37																			
39																			
41																			
TOTALS LEFT SIDE											11.8		5.0	4.5	2.3				
TOTALS RIGHT SIDE											3.6		1.8	1.8	0.0				
TOTAL CONNECTED											15.4		6.3	6.3	4.1				
											CONNECTED LOAD			15.4 X 1000 / 361 = 42.6 AMPS					
											200 amp;			208/120 volts ; 3 phase					
											4 Wire			200 AMP MAIN BREAKER					
											CONTRACTOR VERIFY ALL VOLTAGES								
											E = "existing"								

PANEL B SCHEDULE

CIRCUITS 1,3,5, AND 7 ARE FOR FUTURE PRODUCTION USES. DO NOT PULL CONDUCTORS. LEAVE PULLSTRING IN EACH CONDUIT.

MULLEN ENGINEERING
703 N. MAIN ST.
FUQUAY-VARINA, NC 27526
919-906-0812

FIRM # P-1150



FAITH DEVELOPMENT MINISTRIES CENTER
9739 FAYETTEVILLE ROAD
FUQUAY-VARINA, NC

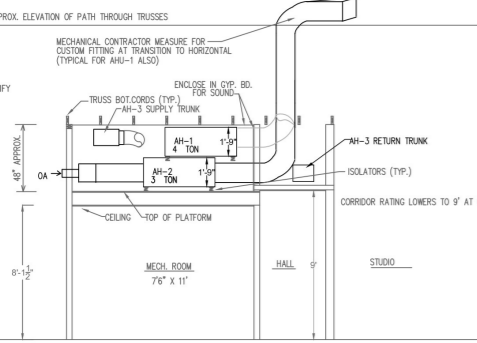
PLOT DATE: 1/30/2024

ISSUED: FOR CONSTRUCTION

DRAWN BY: CBM

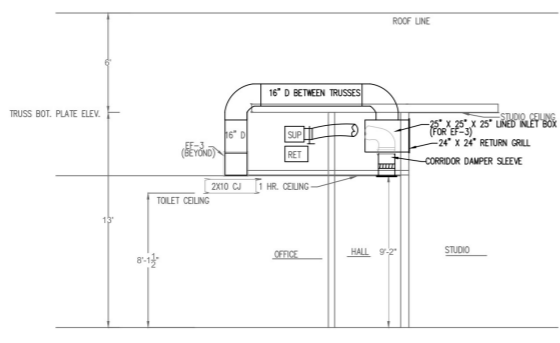
POWER PLAN

E-2

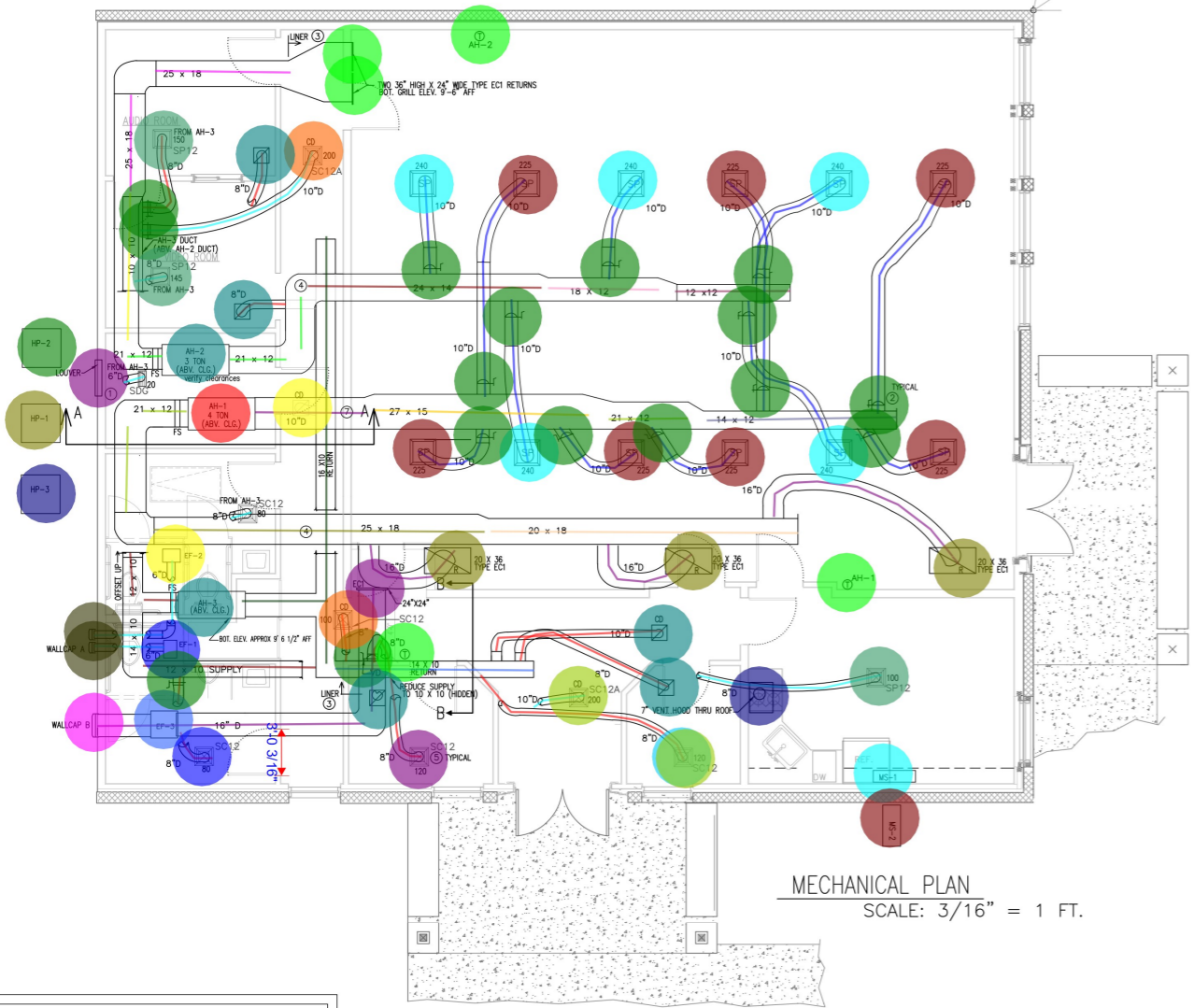


ELEVATION AA

OFFSET LOCATIONS OF AH-1 AND AH-2 SUFFICIENTLY TO ALLOW SERVICE, INCLUDING COIL REMOVAL.



ELEVATION BB



MECHANICAL PLAN
SCALE: 3/16" = 1 FT.

MECHANICAL ACCESS NOTES

ACCESS TO INSTALL AND MAINTAIN MECHANICAL SYSTEMS IS MARGINAL DUE TO CONSTRAINTS OF BUILDING STRUCTURE. GENERAL CONTRACTOR AND MECHANICAL CONTRACTOR TO VERIFY IN ADVANCE THE ABILITY TO INSTALL AND PROVIDE ACCESS FOR FUTURE MAINTENANCE PRIOR TO ORDERING TRUSSES.

VERIFY THAT ATTIC PULL DOWN LADDER PROVIDES USEFUL ACCESS AT DESIGN LOCATION. DUCTS AND EQUIPMENT ARE IN CLOSE PROXIMITY. IF NOT INSTALLED AT ANOTHER LOCATION AS APPROVED BY ARCHITECT, FIRE RATING MAY BE REQUIRED IF IN CORRIDOR.

LOAD LOGIC

LOADS CALCULATED AND DUCTS SIZED PRIOR TO WINDOWS BEING ADDED ON WEST SIDE. NO MORE THERMAL LOAD THAN A TYPICAL WALL CAN BE ALLOWED THROUGH WINDOWS WITHOUT ADDING CAPACITY TO COOLING AND INCREASING DUCT SIZE. THERE IS NO ROOM FOR INCREASING DUCT SIZE.

COMFORT CONDITIONING LOGIC

- AHU-1 IS ON FOR STUDIO (ROOM 111) USE WHEN SMALL OCCUPANT COUNT. AHU-2 IS MANUALLY OFF AT THE THERMOSTAT.
- AHU-1 REMAINS ON FOR STUDIO ROOM USE WHEN LARGE OCCUPANT COUNT. AHU-2 SHALL BE MANUALLY ON FOR ADDITIONAL CAPACITY WITH LARGE OCCUPANT COUNT.
- AHU-3 IS FOR USE IN DAILY BUSINESS OPERATION OF OFFICES AND COMMON AREAS.

MECHANICAL KEY NOTES

- INSULATE OS AIR DUCT TO PREVENT CONDENSATION
- INSTALL ACCESS TO ALL VOLUME DAMPERS FOR ADJUSTMENT AND MAINTENANCE BY ONE OF THE FOLLOWING:
 - A. 24" WIDE WALKWAY (PREFERRED)
 - B. ACCESS PANEL IN CEILING (IF NOT ACCESSIBLE FROM ABOVE).
- INTERNALLY LINE WITH 1" LINER
- MECHANICAL CONTRACTOR TO MEASURE FOR CUSTOM FITTING OF ALL PROJECT DUCTS.

NOTES

- ISOLATE ALL DUCTS
- USE FLEXIBLE CONNECTORS SUCH AS DUCT HANGERS
- ISOLATE DUCTS AT TRANSITIONS
- DO NOT USE DUCT INSULATION IN DUCT
- INSURE ACCESS TO ALL DAMPERS
- INSTALL CORRIDOR DAMPER SLEEVES
- PROVIDE SIGNIFICANT AIR HANDLING CAPACITY
- AIR HANDLING CAPACITY
- INSULATE CORRIDOR DAMPER SLEEVES

- 10" Dia Circular Ductwork
- 6" Dia Circular Ductwork
- 16" Dia Circular Ductwork
- 24" Dia Circular Ductwork
- 8" Dia Circular Ductwork
- 25x18 Rectangular Ductwork
- 18x12 Rectangular Ductwork
- 12x12 Rectangular Ductwork
- 10x10 Rectangular Ductwork
- 21x21 Rectangular Ductwork
- 20x18 Rectangular Ductwork
- 21x12 Rectangular Ductwork
- 27x15 Rectangular Ductwork
- 25x18 Rectangular Ductwork
- 24x14 Rectangular Ductwork
- 14x12 Rectangular Ductwork
- 16x10 Return Rectangular Ductwork
- 12x10 Supply Rectangular Ductwork
- 14x10 Return Rectangular Ductwork

WALL CAP TYPE

- 6" DIA DUCT WALL CAP
- 18" X 8" DUCT WALL CAP

CORRIDOR DAMPER SLEEVES

- CORRIDOR DAMPER SLEEVES TO SUBMIT PRO
- CORRIDOR DAMPER SLEEVES AND EVERY FOR

DUCTWORK

- DUCTS SHALL ALL DUCTWORK AND REDUCE NO DUCTS SHALL

DUCT INSULATION

- SUPPLY DUCTS AND REDUCE S
- USE NON-METAL

RETURN DUCTS

- TYPE SDC: S

LOUVER

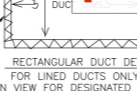
- TYPE SDC: S

AIR DISTRIBUTION

- TYPE SP: SQU
- TYPE SC12: S
- TYPE SC12A: S
- TYPE EC1: S

LEGEND

- MS-1
- MS-2
- HP-2
- HP-1
- HP-3
- Louver
- AH-2
- AH-3
- AH-1
- T: Thermostat
- EF-2
- EF-1
- EF-3
- Duct Wall B Cap for 16" Dia Duct
- Duct Wall A Cap for 16" Dia Duct
- Tag: SP
- Tag: SP
- Tag: SP12
- Tag: SP12
- Tag: SP12
- Tag: SP12 A
- Tag: SP12
- Tag: SC12
- Tag: SC12
- Tag: SC12
- Tag: SC12A
- Tag: SC12A
- Volume Damper
- Tag: EC1
- 7" Vent Hood Through Roof
- Tag: EC1
- 12"x12" Return Grill
- 24"x24" Return Grill
- Tag: EC1
- CD: 12"x12" Corridor Damper



RECTANGULAR DUCT DETAIL FOR LINED DUCTS ONLY SEE PLAN VIEW FOR DESIGNATED LINED SECTIONS

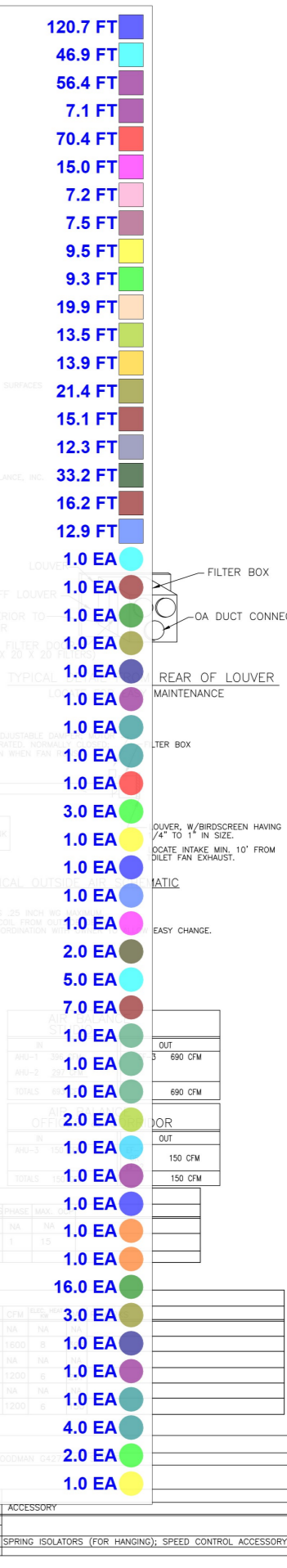
VENTILATION CALCULATION OFFICES & CORRIDOR	
OFFICE 2 PERSONS	100 CFM
CORRIDOR	100 CFM
TOTAL	200 CFM

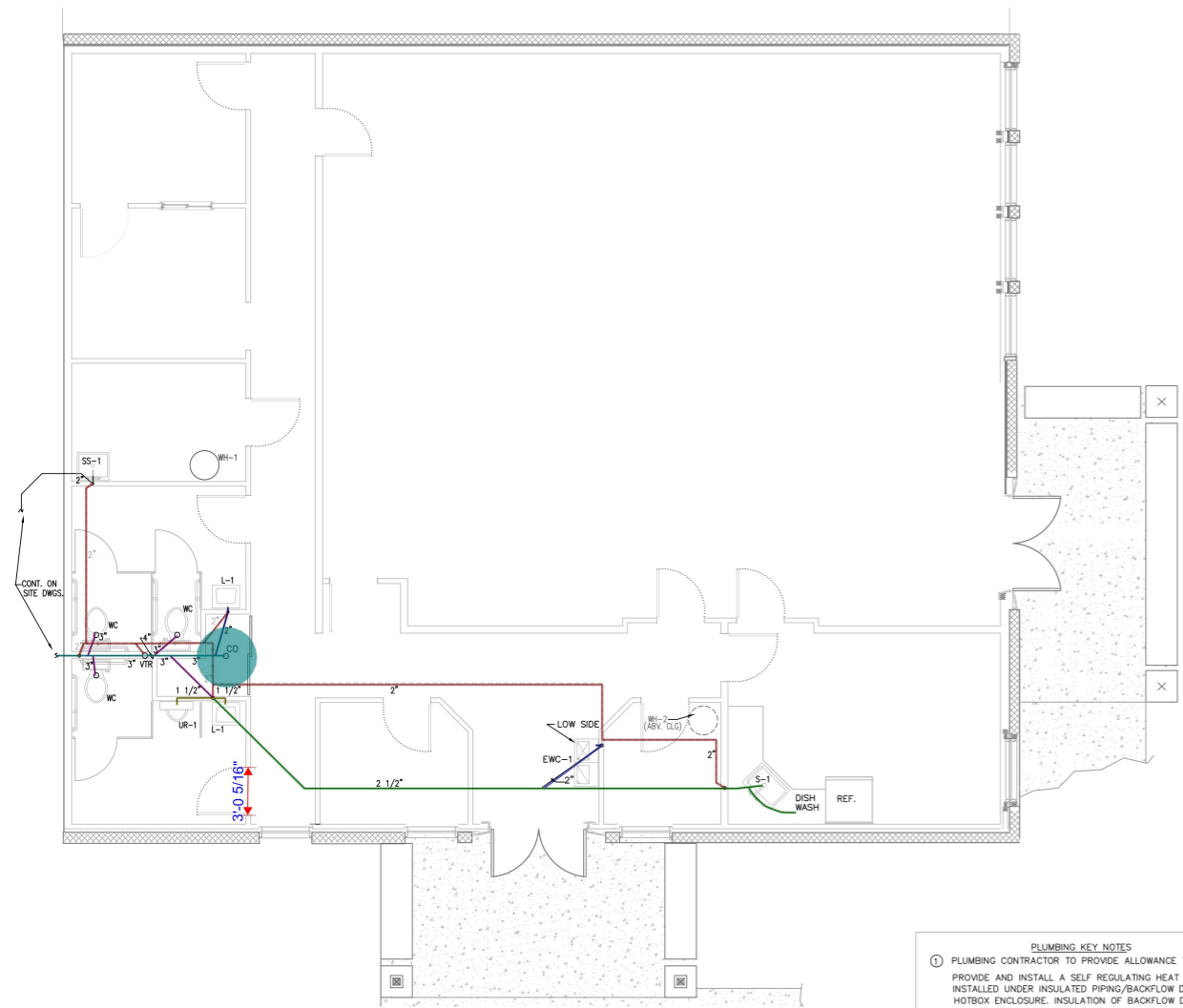
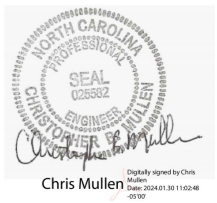
VENTILATION CALCULATION STUDIO	
STUDIO 10 PERSONS	1000 CFM
TOTAL	1000 CFM

MINI SPLIT HEAT PUMP SCHEDULE									
TAG	DESCRIPTION	MANUFACTURER / MODEL	TONS	BTU/H	PHASE	SEER	CFM	VOLTS	PHASE
MS-1	HEAT PUMP OUTDOOR UNIT	FLUORON AUHQ18081	12,000	18,000	1	23	NA	NA	NA
MS-2	INDOOR WALL MOUNT UNIT	FLUORON AUHQ12	12,000	18,000	1	23	125	NA	15

HEAT PUMP UNIT SCHEDULE									
TAG	DESCRIPTION	SERVES	MANUFACTURER / MODEL	TONS	BTU/H	PHASE	SEER	CFM	VOLTS
HP-1	HEAT PUMP EXTERIOR UNIT	STUDIO	GOODMAN AHPTCA14	4	48,000	208	1	14.2	45
HP-2	HEAT PUMP EXTERIOR UNIT	STUDIO	GOODMAN AHPTCA14	4	48,000	208	1	14.2	45
AHU-1	AIR HANDLER	STUDIO	GOODMAN AHPTC2014	2	36,000	208	1	33.6	35
AHU-2	AIR HANDLER	OFFICES	GOODMAN AHPTC2014	2	36,000	208	1	33.6	35

THERMOSTAT									
MARK	ROOM	MANUFAC./ MODEL	CFM	SP	TYPE	AMPS	VOLT	REMARK	ACCESSORY
EF-1	MEN'S TOILET	BRIAN QTXE110150DC OT	150		EXHAUST	.4	115	2 FIXTURES X 70 CFM	
EF-2	WOMEN'S TOILET	BRIAN QTXE110150DC OT	150		EXHAUST	.4	115	2 WATER CLOSETS X 70 CFM	
EF-3	STUDIO	GREENHECK SQ 120	690	13	EXHAUST	.4	115	STUDIO AIR BALANCE	SPRING ISOLATORS (FOR HANGING); SPEED CONTROL ACCESSORY
	HOOD/GREENROOM	AS SPECIFIED BY OWNER	400		EXHAUST	1.3	115	HOOD OR MICROWAVE COMBO	

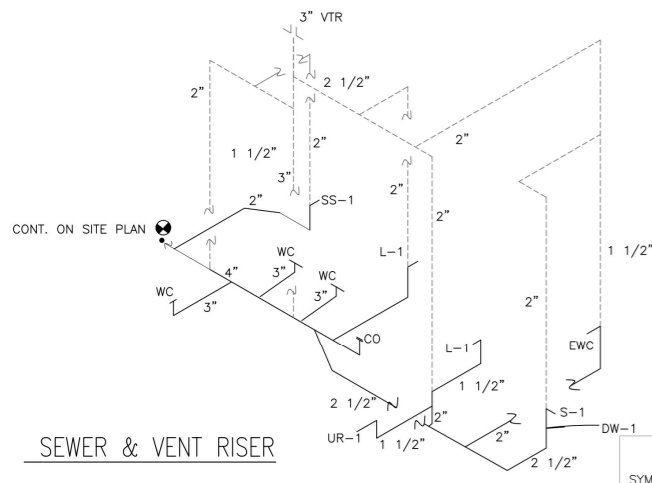
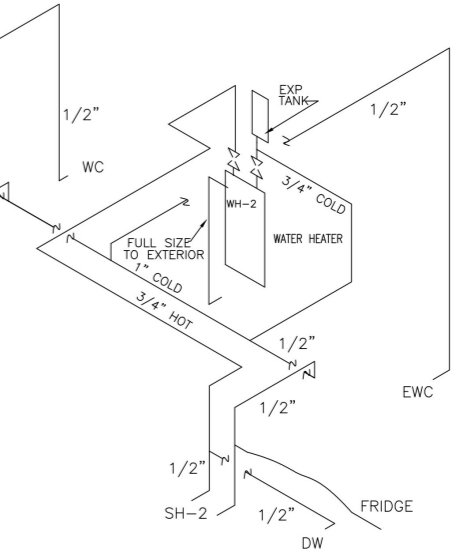




SANITARY DRAINS & VENTS PLAN
 SCALE: 3/16" = 1 FT.

PLUMBING KEY NOTES
 1. PLUMBING CONTRACTOR TO PROVIDE ALLOWANCE TO BE USED FOR EITHER: PROVIDE AND INSTALL A SELF REGULATING HEAT TAPE WITH ELECTRICAL PLUG INSTALLED UNDER INSULATED PIPING/BACKFLOW DEVICE IN AN UNHEATED HOTBOX ENCLOSURE. INSULATION OF BACKFLOW DEVICE TO BE REMOVABLE FOR TESTING OF DEVICE.
 2. PROVIDE AND INSTALL HOT BOX WITH BUILT IN HEATING
 3. PROVIDE SUBMITTAL INFORMATION TO OWNER FOR REVIEW AND DETERMINATION OF SELECTION.

2" Vent Piping	64.9 FT
2 1/2" Sanitary Waste Piping	40.9 FT
1 1/2" Sanitary Waste Piping	3.9 FT
2" Sanitary Waste Piping	8.1 FT
3" Sanitary Waste Piping	8.5 FT
4" Sanitary Waste Piping	10.6 FT
CO: Clean-Out	1.0 EA
1" Cold Water Piping	64.9 FT
1/2" Cold Water Piping	4.8 FT
3/4" Cold Water Piping	25.1 FT
1/2" Cold Water Piping	29.1 FT
3/4" Hot Water Piping	20.4 FT
1/2" Hot Water Piping	17.7 FT
Ice-Maker Box	1.0 EA
Main Shut-Off	1.0 EA



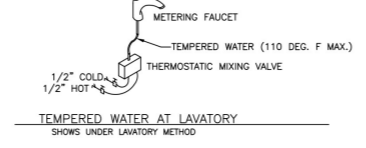
SEWER & VENT RISER

PLUMBING FIXTURES

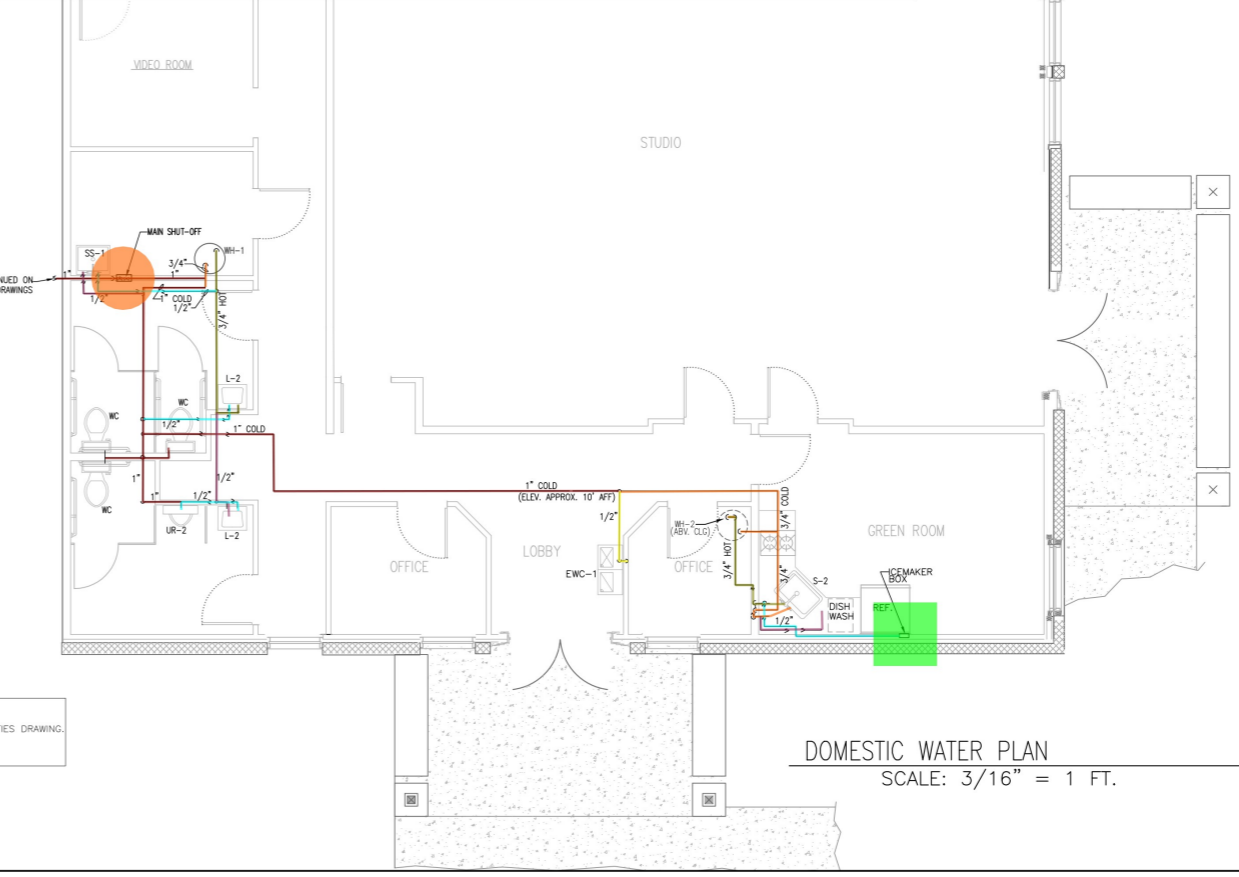
WATER HEATER - "WH-1" & "WH-2"	WATER HEATER; 27 GALLON RATED STORAGE, 4500 WATT, 240 VOLT; 21 GAL/HR RECOVERY AT 90 DEG. F RISE
LAVATORY - "L-1"	STATE EN6 30 DORT OR EN6 30 DOBS OR SIMILAR AMERICAN STANDARD 0356.041 LUCERN OR SIMILAR WALL MOUNT; SINGLE CENTER HOLE; VITREOUS CHINA, WHITE, ADA COMPLIANT;
LAVATORY FAUCET - "L-2"	METERING PILLAR TAP; W/AUTOMATIC SHUT-OFF, ADJUSTABLE CYCLE; LEAD FREE, ADA COMPLIANT; W/ DECK PLATE AMERICAN STANDARD 1340.109 OR EQUAL
WATER CLOSET - "WC"	AMERICAN STANDARD 2154A.104 CAJET OR SIMILAR, TWO PIECE, 1.6 GPF MAXIMUM; ADA COMPLIANT; WHITE; HANDLE ON OPEN SIDE OF STALL.
1 URINAL - "UR-1"	WASHOUT WALL HUNG TYPE, TOP SPUD; ADA COMPLIANT. AMERICAN STANDARD WASHROOM 6590.001 OR EQ.
1 URINAL FLUSH VALVE - "UR-2"	CHROME FLUSH VALVE 1.0 GAL PER FLUSH; MANUAL OPERATION; AMERICAN STANDARD 6045.101.002 OR EQ. ADA COMPLIANT.
SERVICE SINK - "SS-1"	MUSTEE UTILITUB OR SIMILAR, W/FAUCET
SINK - "S-1"	31" X 22" X 5 1/2" DEEP; SINGLE BOWL 18 GAUGE STAINLESS STEEL W/ DRAIN SHIFTED TOWARD REAR OF BOWL; ADA COMPLIANT. ELKAY L6AD312255 OR EQUAL, PURCHASE OFFSET TAILPIECE IF NECESSARY FOR ANSI A117.1 KNEE CLEARANCE.
SINK FAUCET - "S-2"	TWO HANDED, DECK MOUNT, 4" CENTERSET; 11" HIGH SWING CHROME FINISH FAUCET, DELTA 2171LF-WBHDFR OR SIMILAR
ELEC. WATER COOLER - "EWC-1"	HIGH/LOW TYPE WITH HIGH SIDE ON RIGHT, FRONT & SIDE PUSH BAR, STAINLESS STEEL; ADA COMPLIANT; ORDER SEPARATE CANE APRON FOR HIGH SIDE. ADA COMPLIANCE; ELKAY EZSLBSC OR EQUAL

ACCESSORY SCHEDULE

SYMBOL	DESCRIPTION
SC	SOFT COVERS FOR UNDERSINK DRAINS & SUPPLIES, HANDY-SHIELDMAXX BY PLUMBEREX OR EQUAL
AP	ACCESS PANEL POLYSTYRENE FRAME AND REMOVABLE COVER OF APPROPRIATE SIZE; OATEY MODEL 34059 OR 34044 OR SIMILAR
MV	MIXING VALVE, THERMOSTATIC; ASSE 1070 CERTIFIED; ADJUSTABLE; AMERICAN STANDARD 605XTM1070 OR EQUAL
FD	FLOOR DRAIN ZURN Z415B OR EQUAL, POLISHED BRONZE TOP
AFWH	ANTI-FREEZE WALL HYDRANT, 3/4" MALE NPT INLET, W/ INSET WALL BOX, VACUUM BREAKER AND KEY WRENCH. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTION. JR SMITH 55090T OR SIMILAR
SS	STRAIGHT STOP, MULTI-TURN SWEAT X COMPRESSION COMPLIANT BRASS CHROME PLATED; BRASSCRAFT R04 C OR EQUAL
PT	P-TRAP; CAST BRASS, CHROME-PLATED, MCGUIRE 8902C OR EQUAL



NEW BACKFLOW DEVICE
 PROVIDE CERTIFIED LOW LEAD VERSION OF RP2 SPECIFIED ON SITE UTILITIES DRAWING. INSTALLATION MUST BE TESTED BY CERTIFIED PERSON.



DOMESTIC WATER PLAN
 SCALE: 3/16" = 1 FT.

- PLUMBING NOTES**
- GENERAL
 - WATER PIPING ABOVE SLAB TO BE PEX OR COPPER.
 - WATER SERVICE LINE UNDERGROUND TO BUILDING SHALL BE ONE CONTINUOUS ROLL OF PEX OR POLYETHYLENE PIPING APPROVED FOR SUCH USE, NO JOINTS.
 - ALL WATER BRANCH LINES SHALL BE PROVIDED WITH BALL VALVE AT HEADER TO ALLOW ISOLATION.
 - PLUMBING SYSTEM SHALL BE IN ACCORDANCE WITH NC PLUMBING CODE.
 - ALL WASTE AND VENT PIPING ABOVE SLAB SHALL BE ASTM D-2665 OR ASTM F891 PVC.
 - ALL WASTE AND VENT PIPING BELOW SLAB SHALL BE ASTM D-2665 PVC.
 - INSULATE WATER PIPING WITH 1" THICK ELASTOMERIC FLEXIBLE CLOSED CELL RUBATEX INSUL-TUBE 180 OR EQUAL.
 - INSTALL SHOCK ABSORBERS IN WATER LINES TO PER NC PLUMBING CODE. SEE SHOCK ABSORBER DETAIL THIS SHEET.
 - REFER TO ARCHITECTURAL DRAWINGS FOR ADA DIMENSIONS AT PLUMBING FIXTURES.
 - PLUMBING CONTRACTOR SHALL CONTACT NC ONECALL 811 CABLE LOCATORS PRIOR TO DIGGING OUTSIDE PER NC LAW.