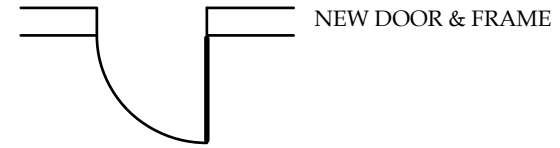
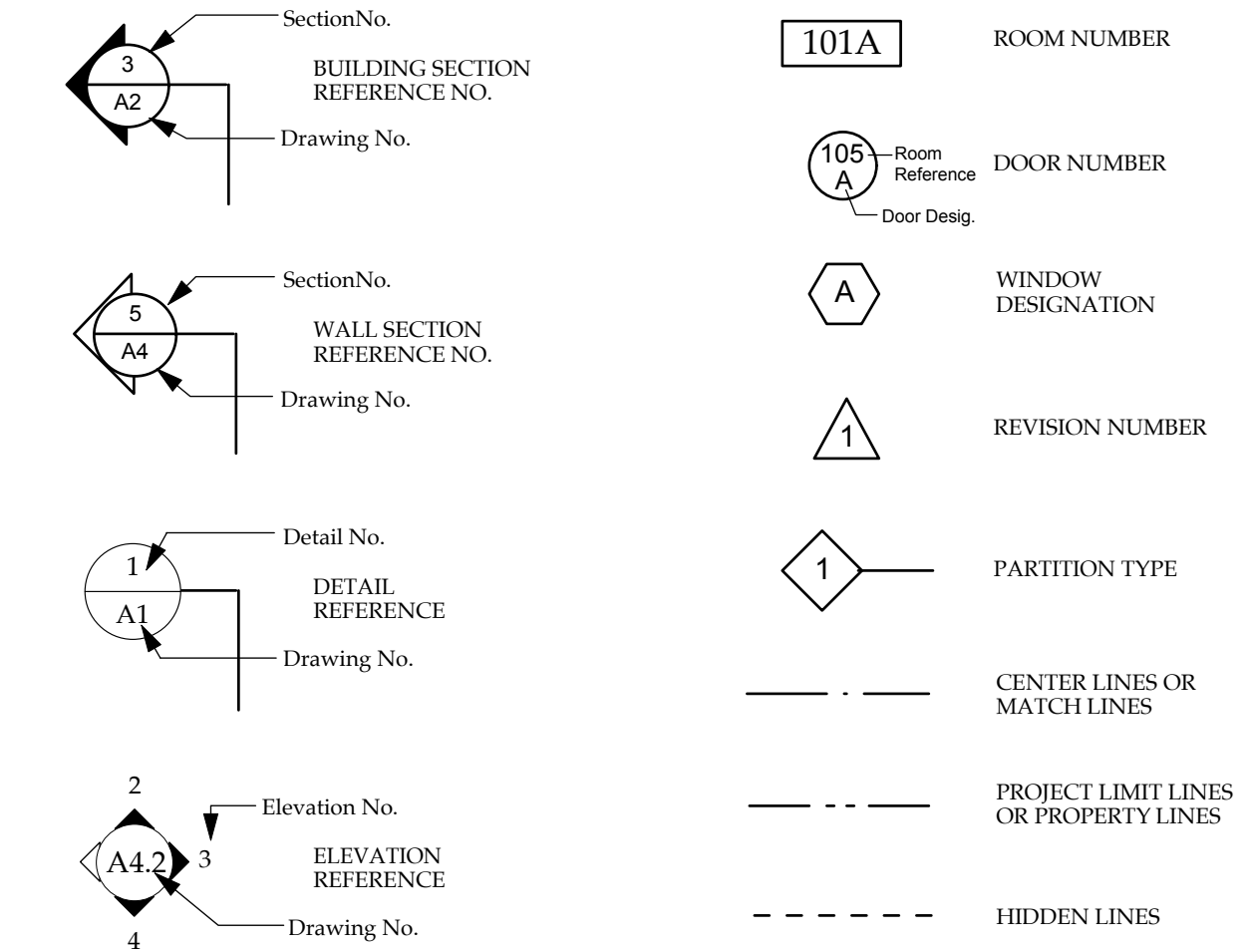


MATERIALS LEGEND

	COMPACTED GRAVEL FILL		GLASS
	CONCRETE		CERAMIC TILE
	BRICK MASONRY		FINISHED WOOD
	CONCRETE MASONRY		ROUGH WOOD
	MARBLE STONE		PLASTER, GYPSUM
	METAL		BATT INSULATION
	PLYWOOD		RIGID INSULATION

SYMBOLS LEGEND



ABBREVIATIONS

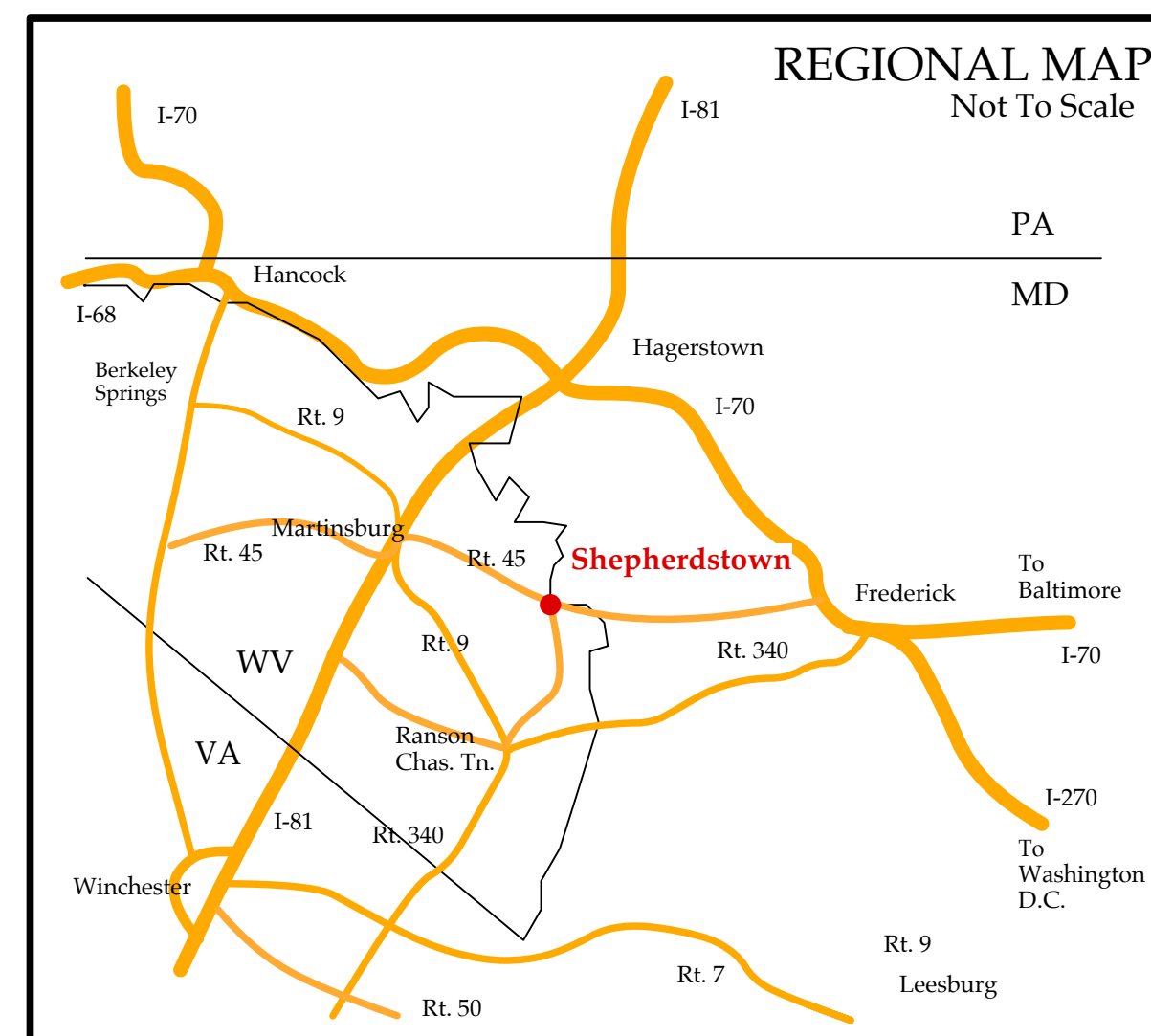
ATC Acoustical Tile Ceiling	HM Hollow Metal
ADJUST Adjustable	HPL High Pressure Laminate
AFF Above Finish Floor	HR Hour
ALUM Aluminum	HW Hardware
CPT Carpet	INSUL Insulation
CAB Cabinet	JB Junction Box
CL Closet	MAX Maximum
CT Ceramic Tile	MIN Minimum
CLG Ceiling	MTL Metal
CONT Continuous	NIC Not in Contract
COTR Contract Officer's Tech1 Representative	NO Number
CMU Concrete Masonry Unit	NTS Not to Scale
DF Drinking Fountain	OC On Center
DN Down	OH Opposite Hand
DWG Drawing	PLAM Plastic Laminate
ELEC Electrical	PT Paint
EQ Equal	PWD Plywood
EQUIP Equipment	SS Stainless Steel
EXG Existing	TBD To Be Determined
FEC Fire Extinguisher Cabinet	Temp Tempered
FFE Finish Floor Elevation	TYP Typical
GA Gauge	UON Unless Otherwise Noted
GC General Contractor	VCT Vinyl Composition Tile
GL Glass	VIF Verify in Field
GWB Gypsum Wallboard	WD Wood
GWB-X 5/8" Type X Gypsum Wallboard	WR Water Resistant

GENERAL NOTES

1. All contractors doing work on site shall have a Business License from the State of West Virginia and a business license with the Town of Shepherdstown.
2. Locating Openings: Unless otherwise dimensioned, center doors and framed openings between adjacent walls.
3. Schedule: The Contractor shall prepare a construction schedule prior to the start of the job which will be reviewed at each progress payment request.
4. Fire Safety:
 - a) All materials stored at construction area, and / or in any area of the building, are to be secured in a locked area. Access to such areas is to be controlled by Owner and General Contractor.
 - b) All materials to be stored in an orderly fashion.
 - c) All flammable materials to be kept tightly sealed in their respective manufacturer's containers. Such materials are to be kept away from heat.
 - d) All flammable materials to be used and stored in an adequately ventilated space.
5. Dust Control:
 - a) Debris, dirt, and soot shall be kept to a minimum, and be confined to the immediate construction area.
 - b) Debris, dirt and dust to be cleaned up and cleared from building periodically to avoid any excessive accumulation.
 - c) Tape off and poly. doorways between work area and non work areas.
6. Furnish all labor, materials, appurtenances, equipment, and services necessary and required to complete all work so noted or depicted on the following drawings.
7. All interior partition dimensions are from stud to stud, unless noted otherwise.
8. Examine the conditions and preparations made for the performance of all work and notify the Architect in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with work until conditions are made satisfactory for performance of work.
9. Order all specified materials and fabricated items with sufficient lead time so as not to delay work in any manner.
10. Care should be taken to protect all site and construction conditions throughout the course of construction. Should any damage occur, the contractor shall restore to the prior condition.
11. The Contractor shall make arrangements with the Architect to coordinate and direct connection of service so as not to delay the progress of the job.
12. Manufacturer's recommendations and installation instructions shall be adhered to for all materials used.
13. The Contractor shall not scale the drawings. In the event that a needed dimension is not clearly indicated, notify the Architect at once. Proceed with the affected work only upon receipt of explicit direction by the Architect.
14. The Contractor shall alert the Architect a minimum of 48 hours in advance of the following field inspections: The Architect shall verify floor layout of walls prior to their construction. The Architect shall verify framing installation prior to installation of wall board panels or block.
15. The Contractor shall collect all product warranties and relevant receipts on the project. The Contractor shall compile this information and turn it over to the Architect prior to final payment. All work shall be warranted by the Contractor for one year from the date of Substantial Completion.
16. Unless noted specifically that work is to be done by others or by the Owner, the Contractor shall provide and install all work shown or described in the Contract Documents.
17. All penetrations through fire and smoke rated construction shall be sealed. See mechanical drawings for locations of fire and smoke rated dampers.
18. Provide and maintain in a sanitary condition during the construction period adequate toilet facilities for use of all employees from beginning to end of work; install at an approved location to meet the requirements of the local health department. Equip temporary toilets with weatherproof enclosure doors. Shield toilets to insure privacy. Use of permanent plumbing fixtures within the building during construction will not be permitted.
19. A retainage amount of 5% will be withheld from each application for payment and shall be paid in full to the Contractor upon total completion of the project.
20. Asbestos containing material (siding) exists on east and west exterior walls beneath some vinyl siding on the older sections of the building. No work is called for in these areas. However, workers encounter this ACM or other suspected ACM, the General Contractor shall contact the Owner and Architect immediately. The environmental study conducted on this building has been made available to the Contractor for their information and records.
21. Contractor is required is required to carry Builder's Risk Insurance during the construction phase for the full value of the existing building, plus the value of improvements made.

LIFE SAFETY NOTES

- Code Analysis for the Opera House March 2020**
- County: Jefferson County
 Town: Shepherdstown, WV
 Zoning: Residential/Commercial
 Allowable uses: All
- Building Code: **2015 NFPA 101, WV State Fire Code 2015 IBC**
- Existing & Proposed Use Groups:
 First Floor: Assembly (<300 people)
 Second & Third Floors: Apartment Building
- Separation Required: 1 hour
- Construction Type: **V (000)**
- Fire Suppression System: Yes (new)
- Area of allowable uses: 3,000 sf/floor
- Maximum Floor Height: up to 40', actual floor height is 30'
- Fire Resistance Rating Requirements:
 frame - 0 hour*
 ext bearing walls - 0 hours
 int. bearing walls - 0 hour
 floor joists & beams - 0 hr.
 roof beams/joists - 0
- Fire Resistance Rating Provided:
 separation between uses: 1 hour
- First floor Area**
1. WV State Code 2.2a and table 2.2a Sprinkler Protection and Area of Limitation Approved automatic sprinkler system in accordance with applicable NFPA Standards for limitation. More than 2 stories and up to 40'.
 2. WV State code 2.2.d Fire alarm system
 2.2.d.1 General requirements for all occupancies
 Applies in addition to NFPA 101 Life Safety Code Chapter 9
 3. NFPA 101 12.2.2.3.1 Stairs for balcony and stage areas see 12.4.6.1.2
Stage stairs shall not exceed 42" in height, may have railing on one side only and may be built of combustible material.
 4. Main entrance area Exit NFPA 12.2.3.6, Other exits 12.2.3.7.
Main exit must have capacity to accommodate 2/3s of occupants. Second exit must have capacity to accommodate 1/2 of occupants. Both do.
 5. General requirements for access and egress routes within assembly areas. NFPA 101 12.2.5.4
 6. Aisle width. NFPA 101 12.2.5.4.4. *156 occupants x .22 = 34.33"*
 7. Aisle markings. NFPA 101 12.2.5.6.10.1
 8. Emergency lighting NFPA 101 12.2.9
 9. Stage area construction. NFPA 101 12.4.6.3
 10. Projection rooms. NFPA 10112.4.7 *No longer functions as projection room.*
 11. Separation ceiling rating two second floor apartments. NFPA 101 Chapter 8
 12. All separations and repairs need to be complete and all penetrations throughout need to be sealed.
- Second and third floor Apartments**
13. Doors - NFPA 101 30.3.6.1.2 Based on building being sprinklered. Doors to apartments shall be not less than 20-minute rating
 14. Door closures. NFPA 101 30.3.6.2.3
 15. Egress and exiting building shall comply with NFPA 101 Chapter 30
 16. Emergency l ighting and exit signage throughout structure.
 17. All separations and repairs need to be completed and all penetrations throughout need to be sealed.
 18. All electrical work shall be performed by a WV Licensed Electrician
 19. All sprinkler work shall be performed by WV Licensed Sprinkler Worker.
 20. All HVAC work shall WV licensed.
 21. All Alarm System work shall be performed by WV Licensed Worker
- Minimum Egress Corridor width: 44"
- Occupant Load:
- Max. Floor Area per occupant:**
- 1st Floor = 2435 sf (incl stair C) 226 total max. persons incl. staff
 2d Floor = 1772 sf / 200 = 9
 3d Floor = 1200 sf / 200 = 6
- Totals = 241 people
- First Floor # Exits Required: 2
- Exit Width required: .3" per person exit width x 226 occupants = 67.8"
 Actual Provided: 36" wide near stage, 36" wide from backstage,
 (2) 34" wide at main entry from street
- Restroom Requirements:**
 241 occupants / 75 = 3.21 or 4 unisex bathrooms
- ADA Requirements: yes (1) accessible/family bathroom provided**



LIST OF DRAWINGS

- ARCHITECTURAL**
- A1.1 General Notes, Legend
 - A1.2 Site Plan
 - A1.3 Specifications
 - A2.1 Demolition Plans
 - A2.2 Construction Plans
 - A2.3 Reflected Ceiling Plans
 - A2.4 Furniture, Finish & Equipment Plan
 - A3.1 Exterior Elevations
 - A3.2 Exterior Elevations
 - A3.3 Building Sections, Stair Sections
 - A4.1 Interior Elevations
 - A4.2 Interior Elevations
 - A5.1 Door & Window Schedules
 - A5.2 Finish Schedule, Details & Partition Types
 - A6.1 Interior Details
 - A6.2 Exterior Details
- STRUCTURAL**
- S.1 Foundation & Mezzanine Plans
 - S.2 Second, Third & Roof Framing Plans
 - S.3 Building Section
 - S.4 Details
 - S.5 Notes
- MECHANICAL**
- M0.1 GENERAL NOTES & SYMBOLS
 - M1.1 FIRST FLOOR PLAN
 - M1.2 MAIN LEVEL & MEZZANINE PLANS
 - M2.1 ENLARGED PARTIAL PLANS
 - M3.1 VRV PIPING AND WIRING DIAGRAMS
 - M4.1 DETAILS & SCHEDULES
- PLUMBING**
- P0.1 FIXTURE SCHEDULE & SYMBOLS
 - P0.2 SPECIFICATIONS
 - P1.1 MAIN LEVEL & MEZZANINE FLOOR PLANS
 - P1.2 2ND & 3RD FLOOR PLANS
 - P2.1 RISER DIAGRAMS
 - P3.1 DETAILS AND SCHEDULES
- ELECTRICAL**
- E0.1 SCHEDULES, SPECIFICATIONS & NOTES
 - E1.1 MAIN LEVEL & MEZZANINE FLOOR PLANS
 - E1.2 2ND & 3RD FLOOR PLANS
 - E2.1 DETAILS & SCHEDULES

FULLY SPRINKLERED BUILDING

NORTH (building)

Shepherdstown
Opera House
RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

OWNER

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson

MECH/ELECT ENGINEER

FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

STRUCTURAL ENGINEER

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
 Planning Interiors Landscape
 Grove & Dall'Olmo Architects pllc
 Matthew W. Grove matthew@gdaia.com GDAia.com
 127 Migration Lane 18 West Boswells Street
 Grantsville, WV 25420 Winchester, VA 22601
 304-267-2120 540-773-2328

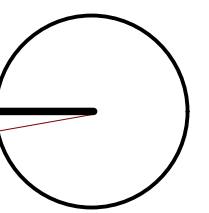
Issue/Revision Seal

6/4/20 Issued to WV Fire Marshal

6/22/20 Issued for bid

Notes, Legend,
List of Drawings

Date: May 28, 2020
 Scale: As Noted Project Number: 19820
 Drawing Number:



NORTH (building)

Shepherdstown

Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

Issue / Revision Seal

6/4/20 Issued to WV Fire Marshal

6/22/20 Issued for bid

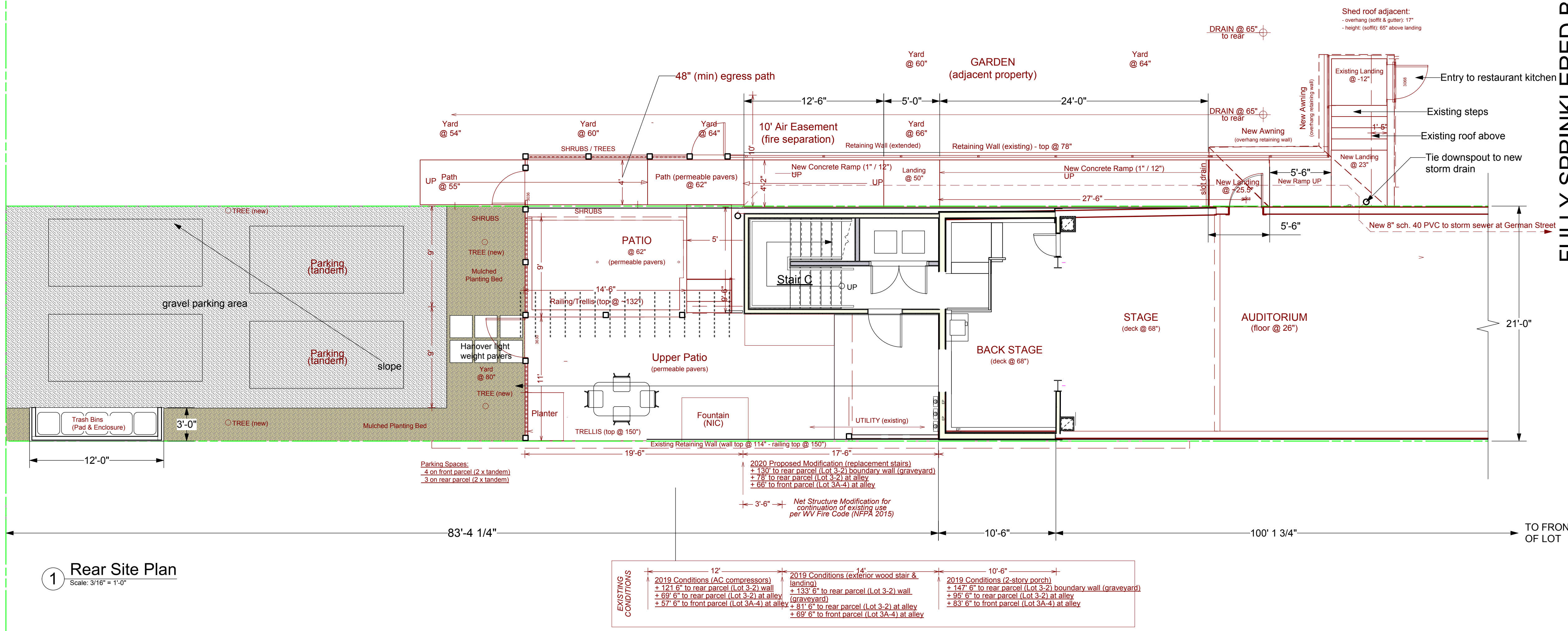
Drawing Title

Site Plans

Date: May 28, 2020
Scale: As Noted Project Number: 19820
Drawing Number

A1.2

FULLY SPRINKLERED BUILDING

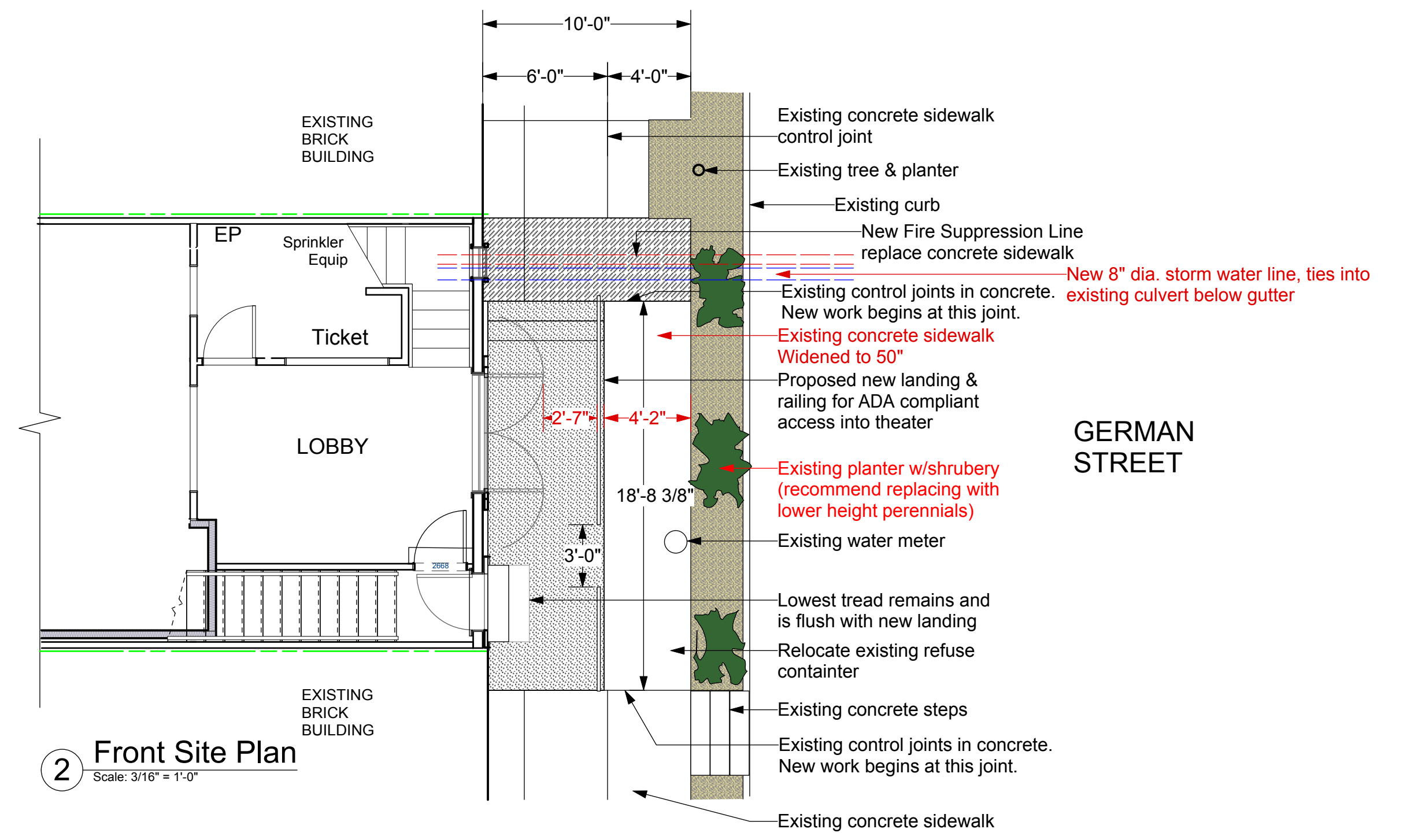


EXISTING CONDITIONS

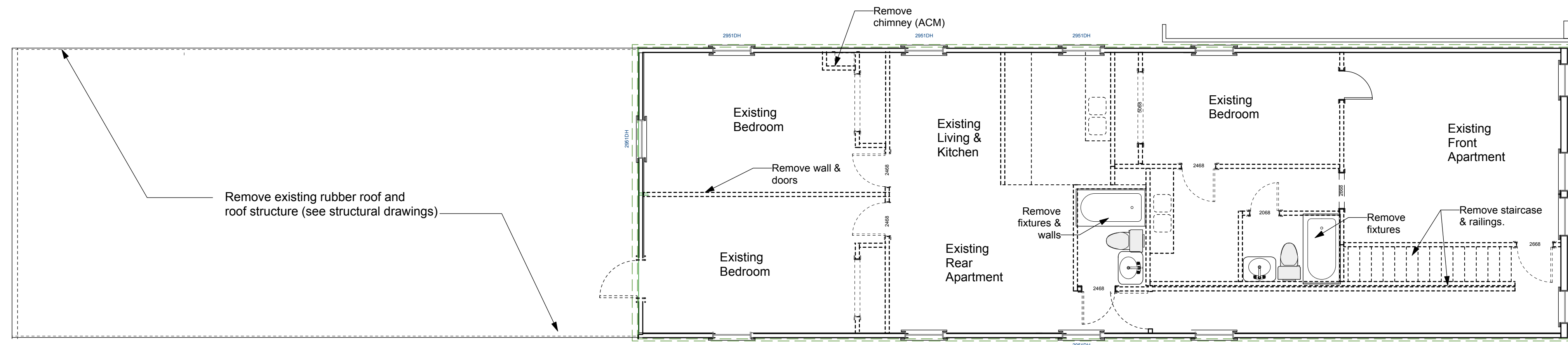
- 2019 Conditions (AC compressors)
 - + 121' 6" to rear parcel (Lot 3-2) wall
 - + 69' 6" to rear parcel (Lot 3-2) at alley
 - + 57' 6" to front parcel (Lot 3A-4) at alley
- 2019 Conditions (exterior wood stair & landing)
 - + 133' 0" to rear parcel (Lot 3-2) wall (graveyard)
 - + 81' 6" to rear parcel (Lot 3-2) at alley
 - + 69' 6" to front parcel (Lot 3A-4) at alley
- 2019 Conditions (2-story porch)
 - + 147' 6" to rear parcel (Lot 3-2) boundary wall (graveyard)
 - + 95' 6" to rear parcel (Lot 3-2) at alley
 - + 83' 6" to front parcel (Lot 3A-4) at alley

HISTORICAL CONDITIONS

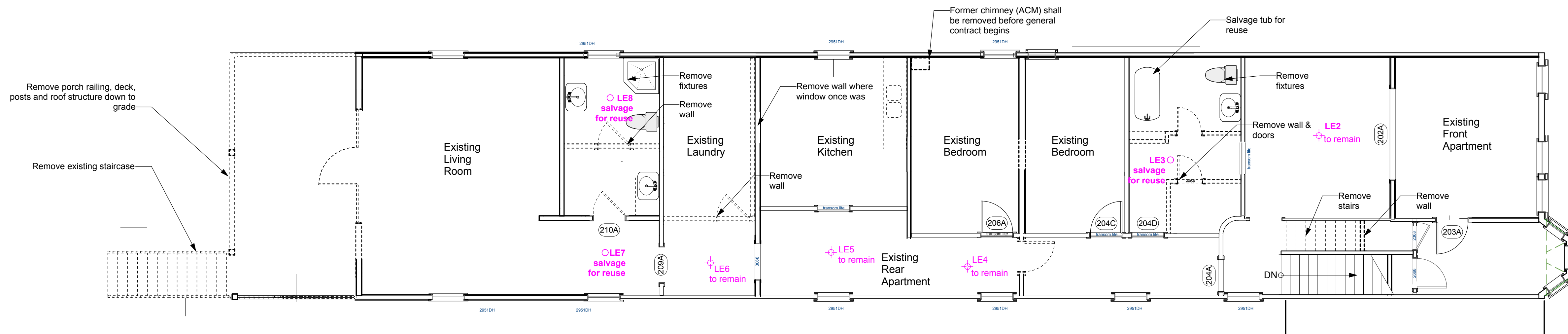
- Attached Sheds - (1933 Sanborn map & 1985 reference drawings)
 - 23' - Stairs from Levels 2 & 3 (location estimated per function)
 - 16' -
 - 1910 Rear Wall (per 1915 Sanborn map)
 - + 158' to rear parcel (Lot 3-2) boundary wall (graveyard)
 - + 105' to rear parcel (Lot 3-2) at alley
 - + 94' to front parcel (Lot 3A-4) at alley



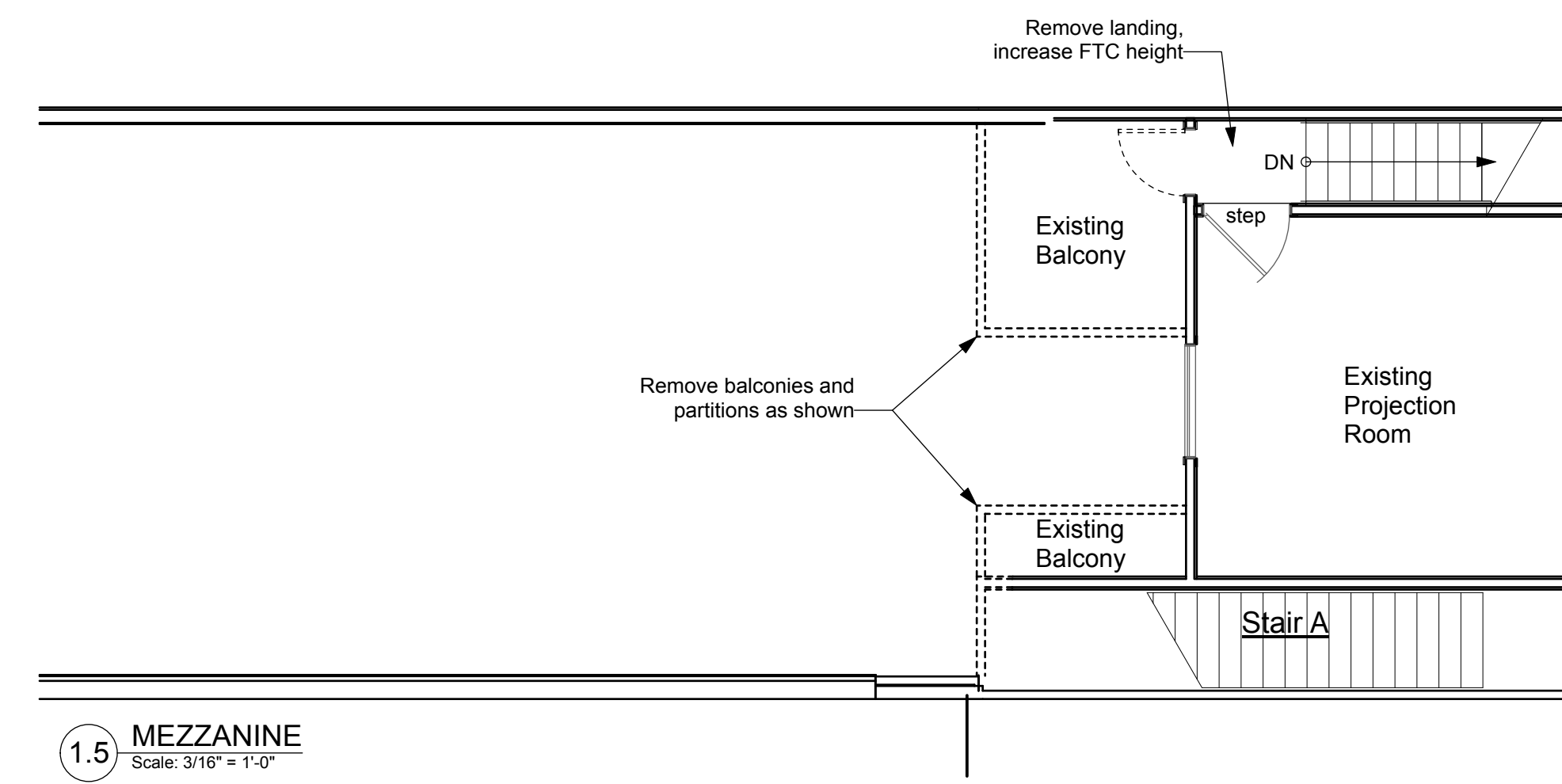
A1.2



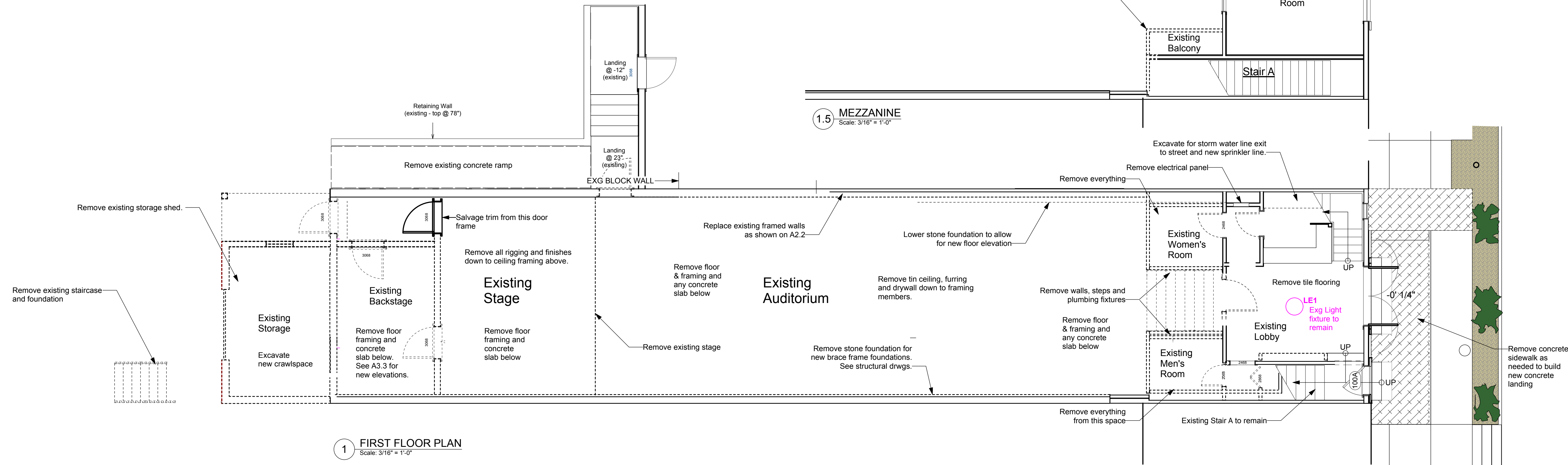
3 THIRD FLOOR PLAN NOTE: Majority 3d floor drywall and beaded board has been removed.
Scale: 3/16" = 1'-0"



2 SECOND FLOOR PLAN
Scale: 3/16" = 1'-0"



1.5 MEZZANINE
Scale: 3/16" = 1'-0"



1 FIRST FLOOR PLAN
Scale: 3/16" = 1'-0"

FULLY SPRINKLERED BUILDING

NORTH (building)

Shepherdstown
Opera House
RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE LLC

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape

Grove & Dall'Olio Architects pllc AIA, LEED AP

Matthew W. Grove matthew@gdaaia.com • GDAaia.com

123 Migration Lane
Charlottesville, WV 25420
304-267-2120

18 West Boswell Street
Winchester, VA 22601
540-773-2328

Issue/Revision Seal

6/4/20 Issued to WV Fire Marshal

6/22/20 Issued for bid

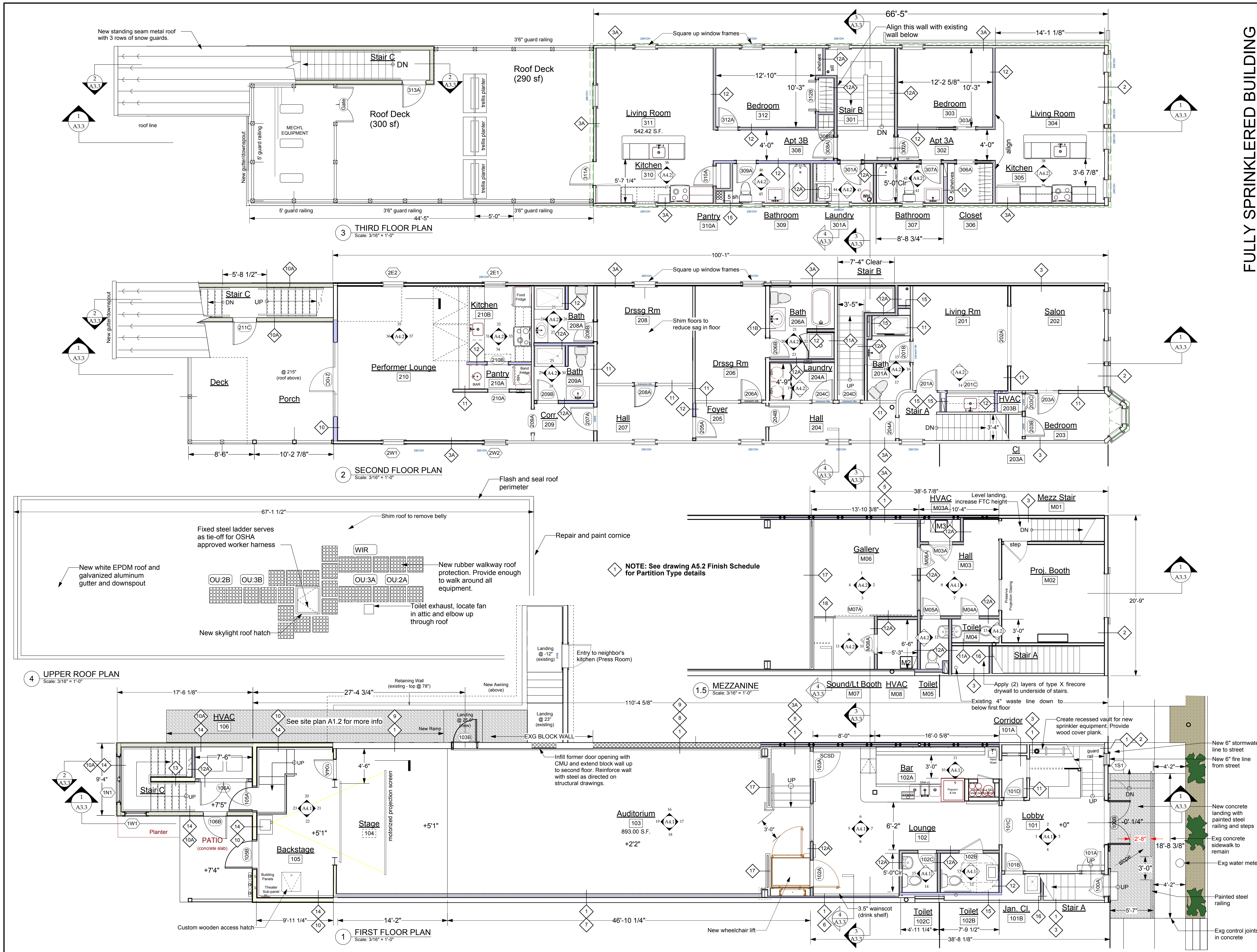
STATE OF WEST VIRGINIA
MATTHEW W. GROVE
NO. 2616
REGISTERED ARCHITECT

Drawing Title

Demolition Floor Plans

Date: May 28, 2020
Scale: As Noted
Project Number: 19820
Drawing Number

A2.1



FULLY SPRINKLERED BUILDING

NORTH (building)

Shepherdstown Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture, Planning, Interiors, Landscape
Grove & Dall'Olio Architects PLLC AIA, LEED AP
Matthew W. Grove matthew@gdaaia.com • GDAaia.com
127 Migration Lane 18 West Boswell Street
Charlottesville, WV 25420 Winchester, VA 22601
540-267-2120 540-773-2328

Issue/Revision Seal

6/4/20 Issued to WV Fire Marshal

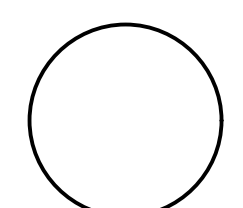
6/22/20 Issued for bid

Drawing Title

Construction Floor Plans

Date: May 28, 2020
Scale: As Noted
Project Number: 19820
Drawing Number

A2.2



NORTH (building)

Shepherdstown Opera House RENOVAIONS

131 W. German St.
Shepherdstown
West Virginia

FULLY SPRINKLERED BUILDING

Owner

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

Structural Engineer

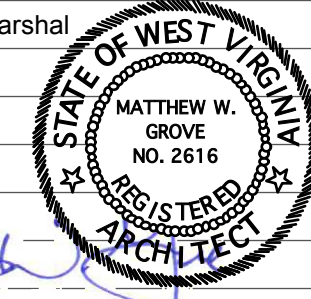
Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape
Grove & Dall'Olio Architects PLLC
Matthew W. Grove
123 Migration Lane
Corinthian, WV 25420
304-267-2120

Matthew W. Grove
18 West Bosworth Street
Winchester, VA 22601
540-773-2328

Issue/Revision Seal

6/4/20 Issued to WV Fire Marshal
6/22/20 Issued for bid

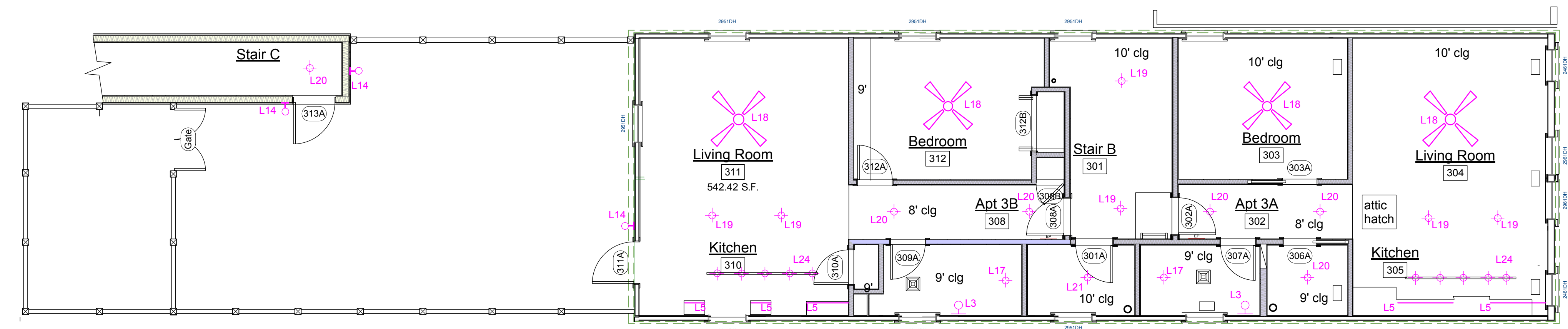


Drawing Title

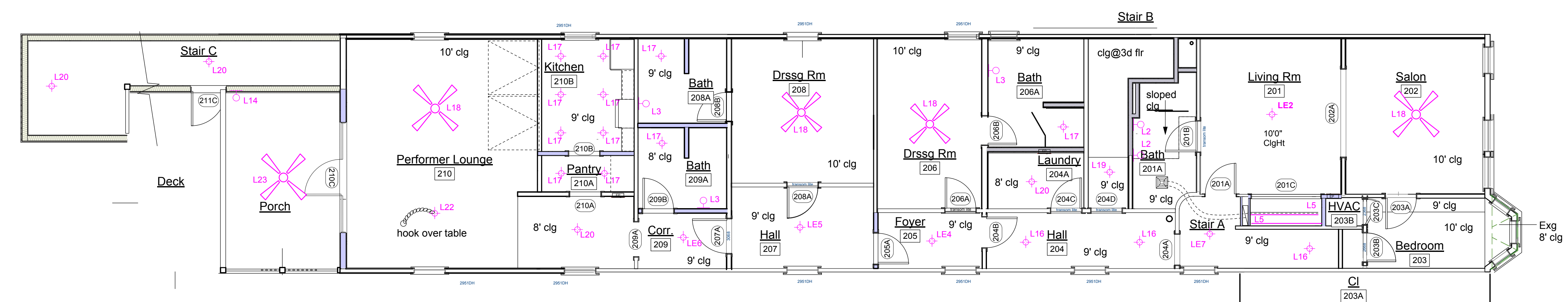
RCP Floor Plans

Date: May 28, 2020
Scale: As Noted
Project Number: 19820
Drawing Number

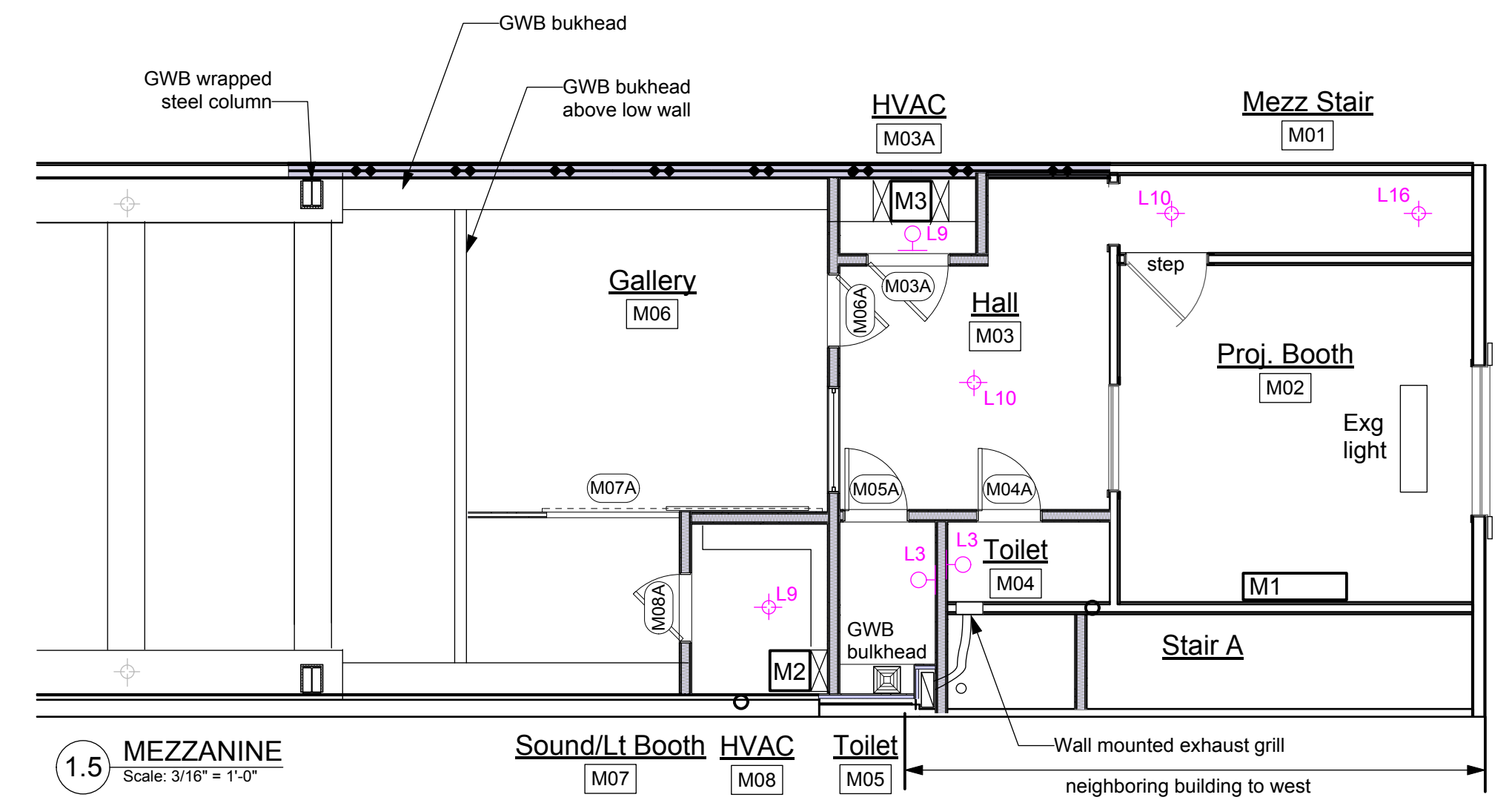
A2.3



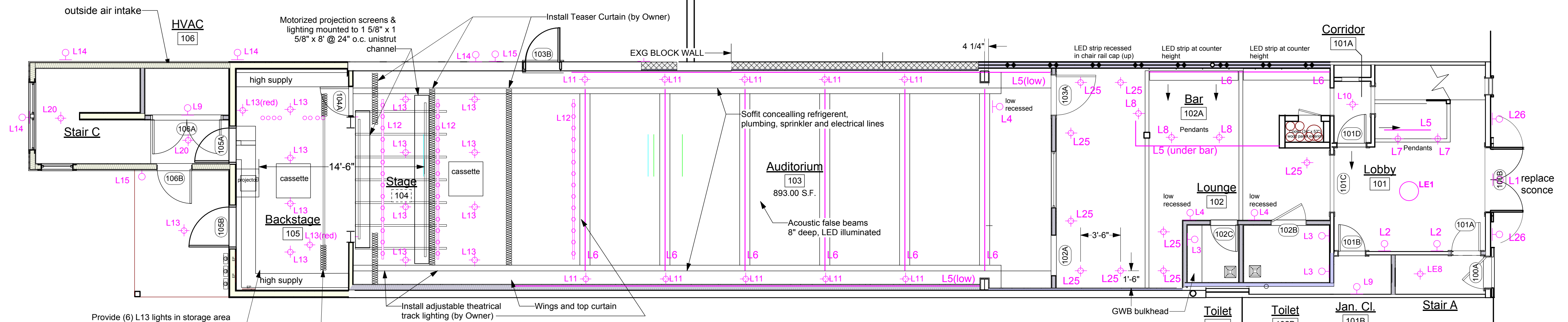
3 THIRD FLOOR PLAN
Scale: 3/16" = 1'-0"



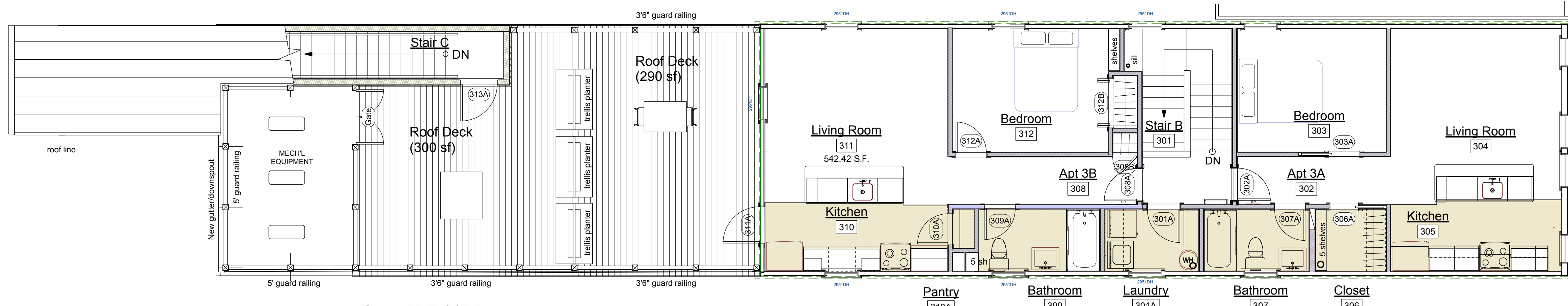
2 SECOND FLOOR PLAN
Scale: 3/16" = 1'-0"



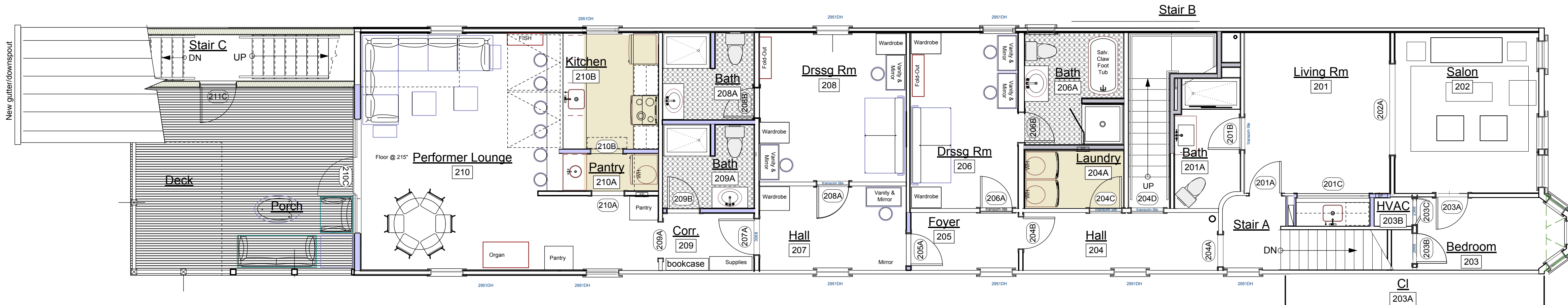
1.5 MEZZANINE
Scale: 3/16" = 1'-0"



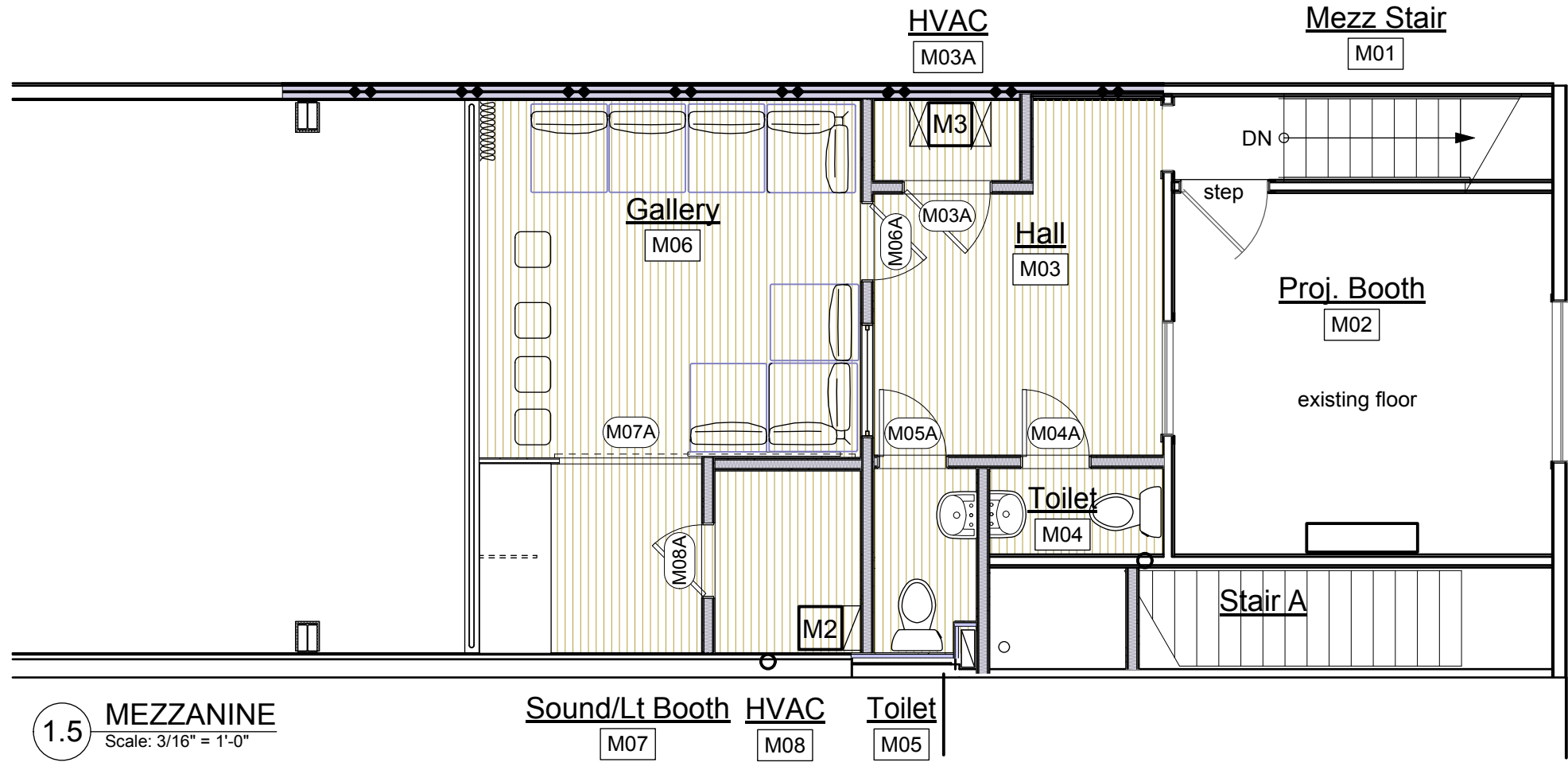
1 FIRST FLOOR PLAN
Scale: 3/16" = 1'-0"



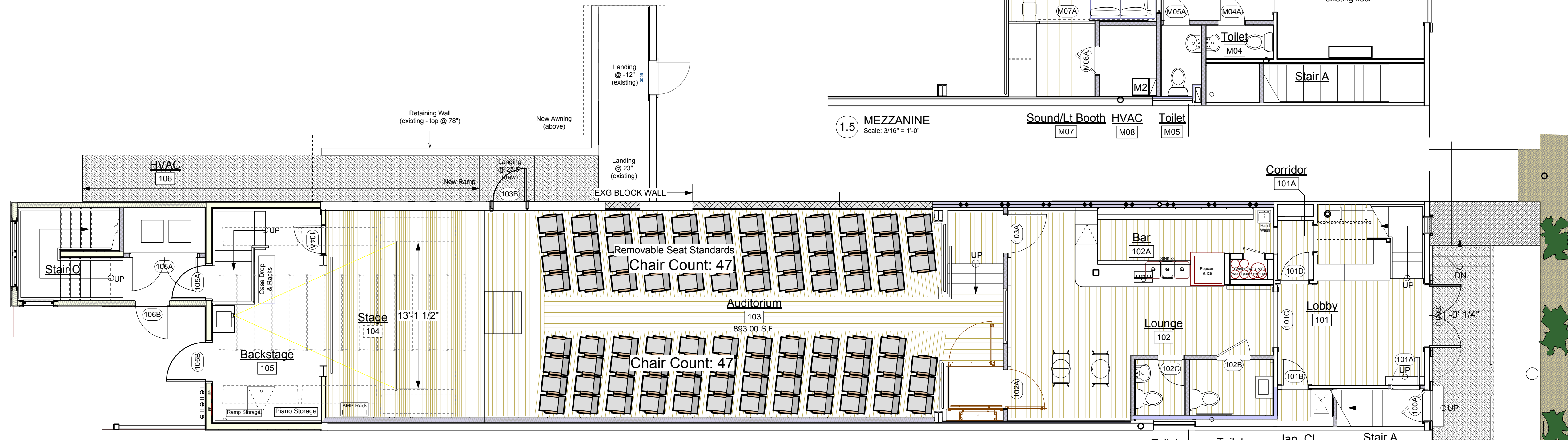
3 THIRD FLOOR PLAN
Scale: 3/16" = 1'-0"



2 SECOND FLOOR PLAN
Scale: 3/16" = 1'-0"



1.5 MEZZANINE
Scale: 3/16" = 1'-0"



1 FIRST FLOOR PLAN
Scale: 3/16" = 1'-0"

FULLY SPRINKLERED BUILDING

NORTH (building)

Shepherdstown Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture, Planning, Interiors, Landscape
Grove & Dall'Olio Architects pllc
Matthew W. Grove matthew@gdaaia.com • GDAaia.com

123 Migration Lane
Charlottesville, WV 25420
304-267-2120

18 West Bosworth Street
Winchester, VA 22601
540-773-3338

Issue/Revision Seal

6/4/20 Issued to WV Fire Marshal
6/22/20 Issued for bid

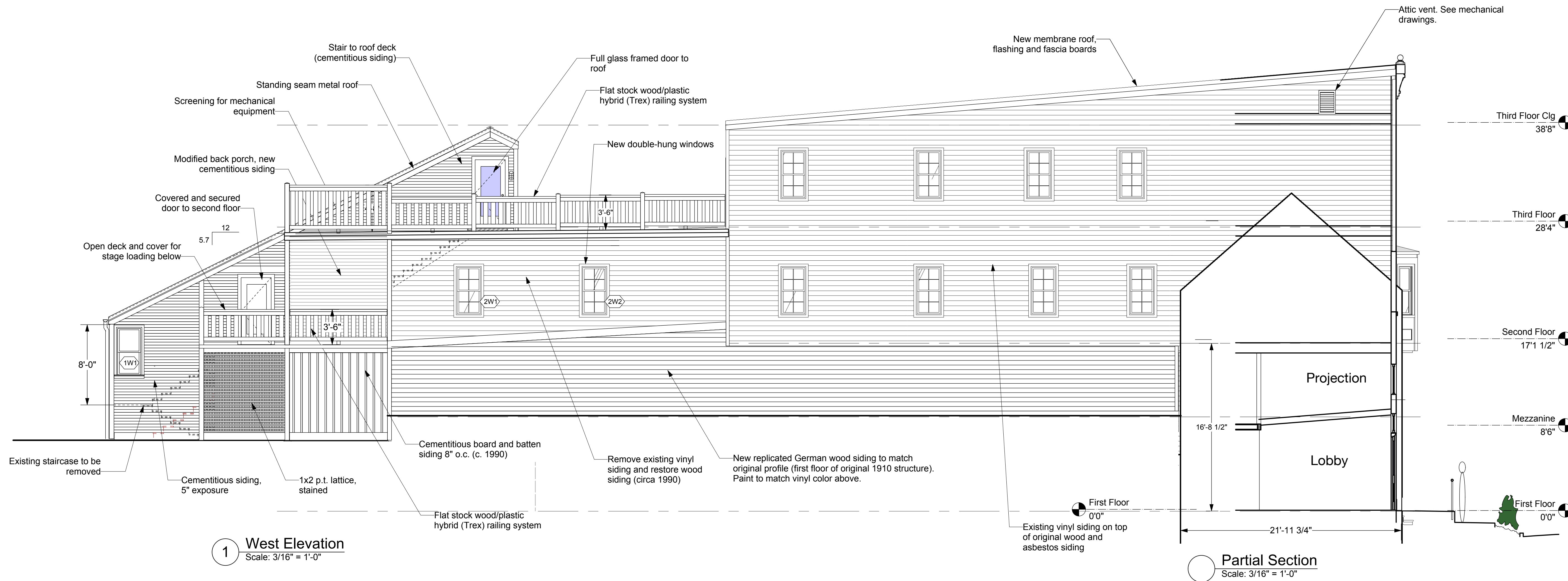
STATE OF WEST VIRGINIA
MATTHEW W. GROVE
NO. 2616
REGISTERED ARCHITECT

Drawing Title

FFE Floor Plans

Date: May 28, 2020
Scale: As Noted
Project Number: 19820
Drawing Number:

A2.4



1 West Elevation
Scale: 3/16" = 1'-0"

Partial Section
Scale: 3/16" = 1'-0"

FULLY SPRINKLERED BUILDING

NORTH (building)

Shepherdstown Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape
Grove & Dall'Olivo Architects pllc AIA, LEED AP
Matthew W. Grove matthew@gdaaia.com • GDAaia.com
127 Migration Lane 18 West Boswell Street
Shepherdstown, WV 25420 Winchester, VA 22601
304-267-2120 540-773-2328

Issue / Revision Seal

6/4/20 Issued to WV Fire Marshal
6/22/20 Issued for bid

NOT FOR CONSTRUCTION

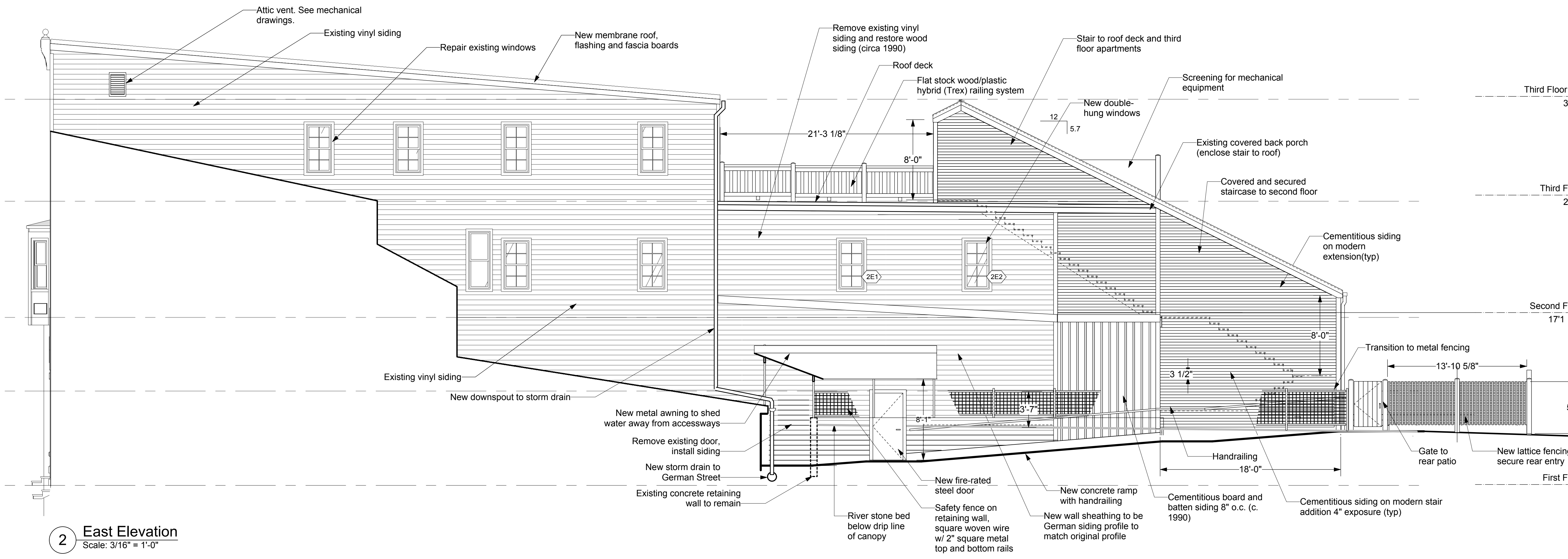
STATE OF WEST VIRGINIA
MATTHEW W. GROVE
NO. 2616
REGISTERED ARCHITECT

Drawing Title

Ext. Elevations

Date: May 28, 2020
Scale: As Noted Project Number: 19820
Drawing Number

A3.1



2 East Elevation
Scale: 3/16" = 1'-0"

Shepherdstown Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape
Grove & Dall'Olio Architects pllc
Matthew W. Grove
127 Migration Lane
Shepherdstown, WV 25420
304-267-2120

Matthew W. Grove
10 West Bosworth Street
Winchester, VA 22601
540-773-2328

Issue / Revision Seal

6/4/20 Issued to WV Fire Marshal
6/22/20 Issued for bid

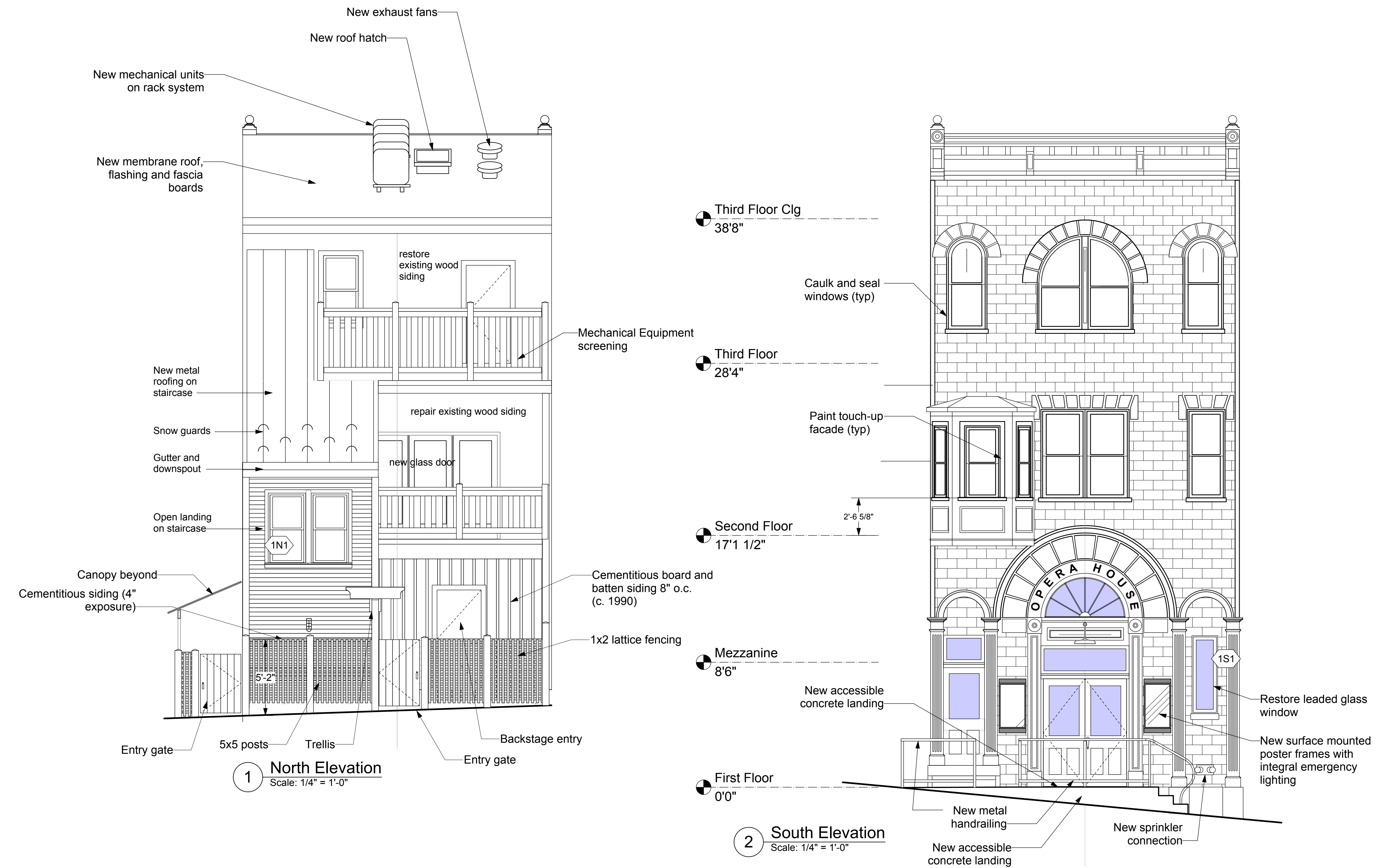


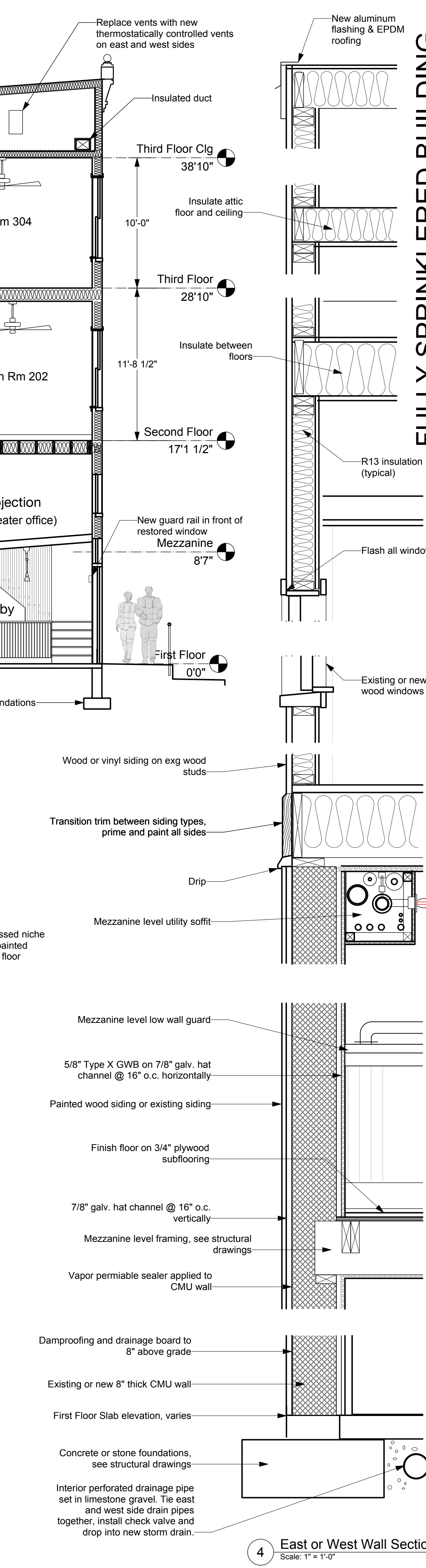
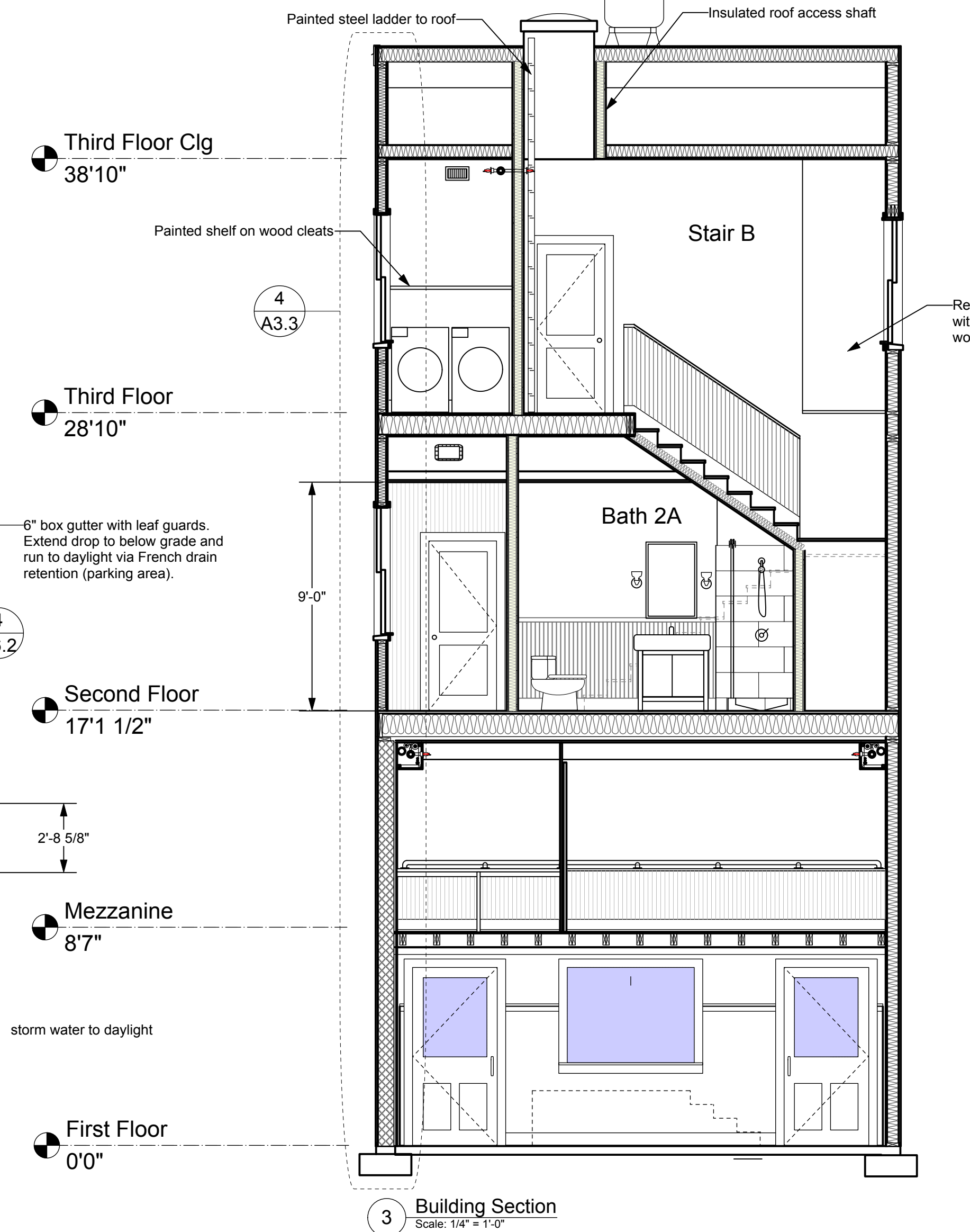
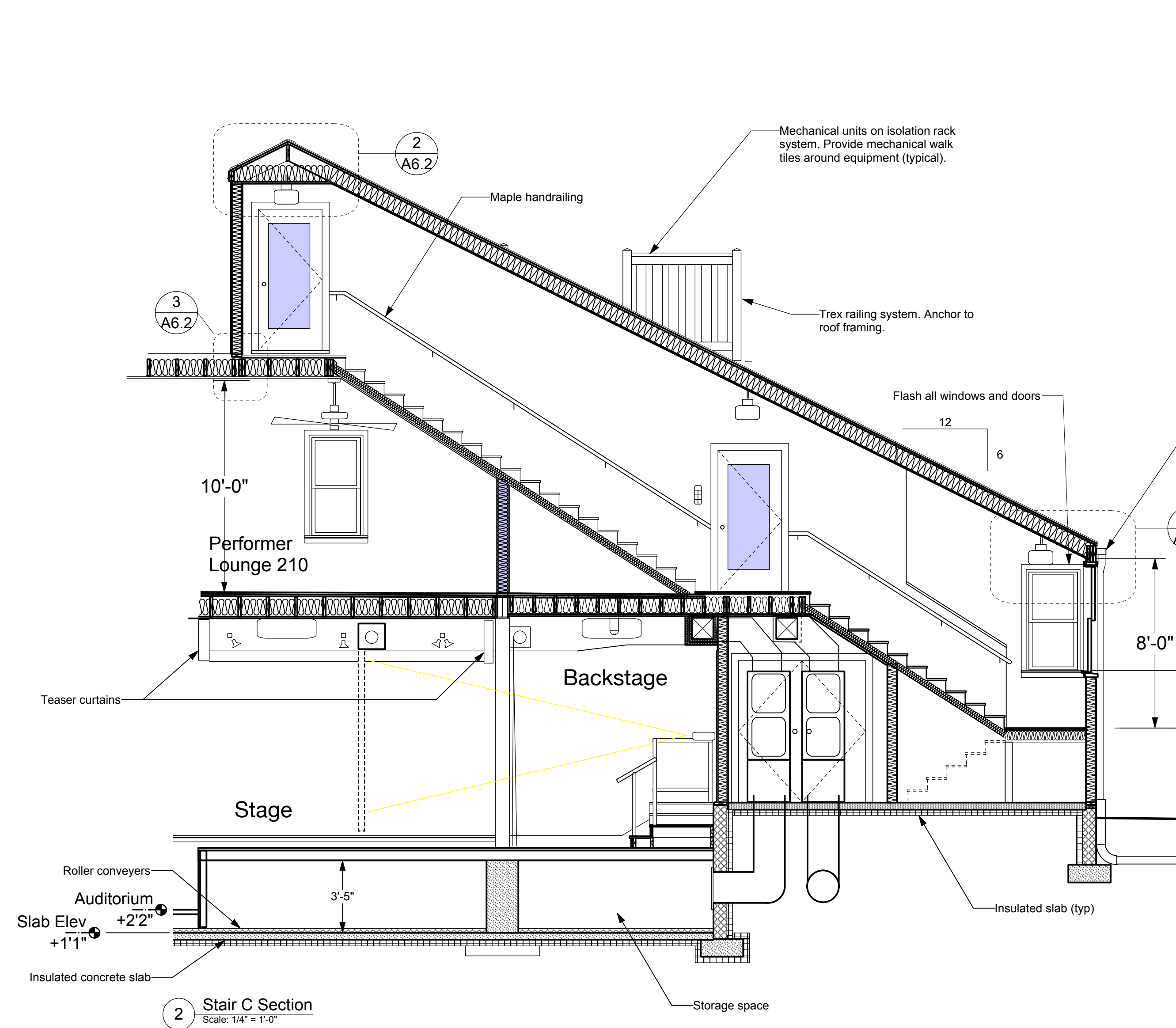
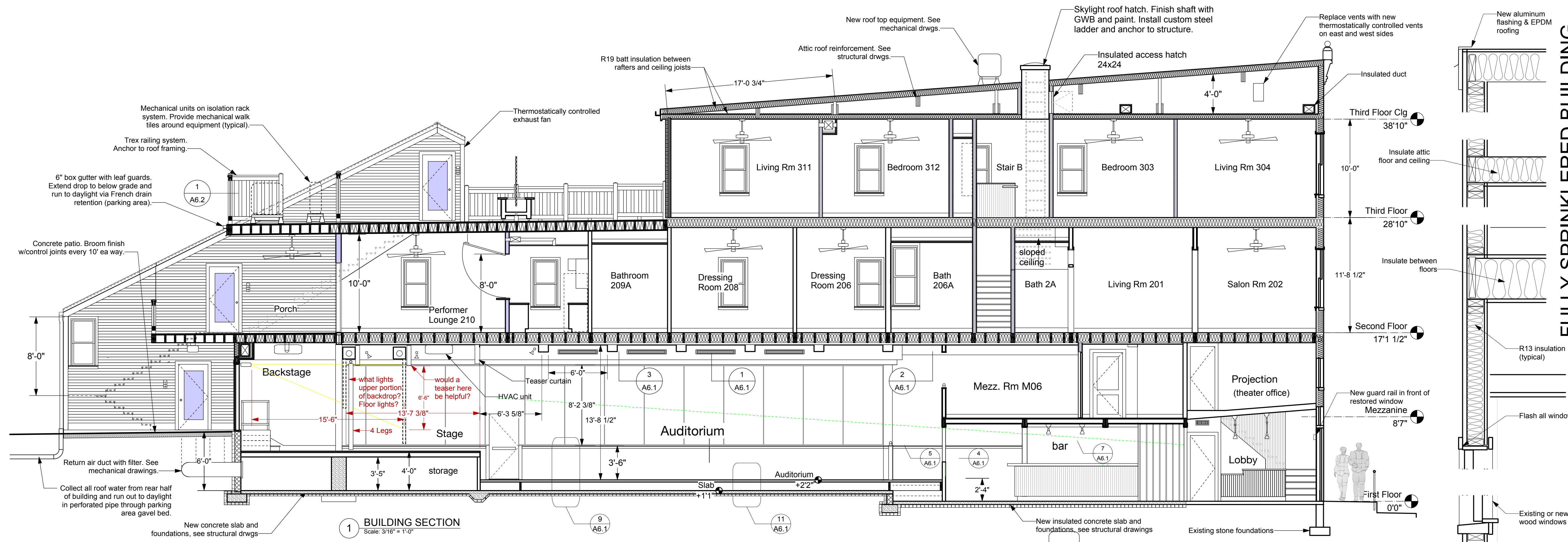
Drawing Title

Ext. Elevations

Date: May 28, 2020
Scale: As Noted
Project Number: 19820
Drawing Number

A3.2





FULLY SPRINKLERED BUILDING

NORTH (building)

Shepherdstown Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner
OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson

Mech/Elect Engineer
FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

Structural Engineer
Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape
Grove & Dall'Olio Architects pllc
Matthew W. Grove
127 Migration Lane
Grantstown, WV 25420
304-267-2120

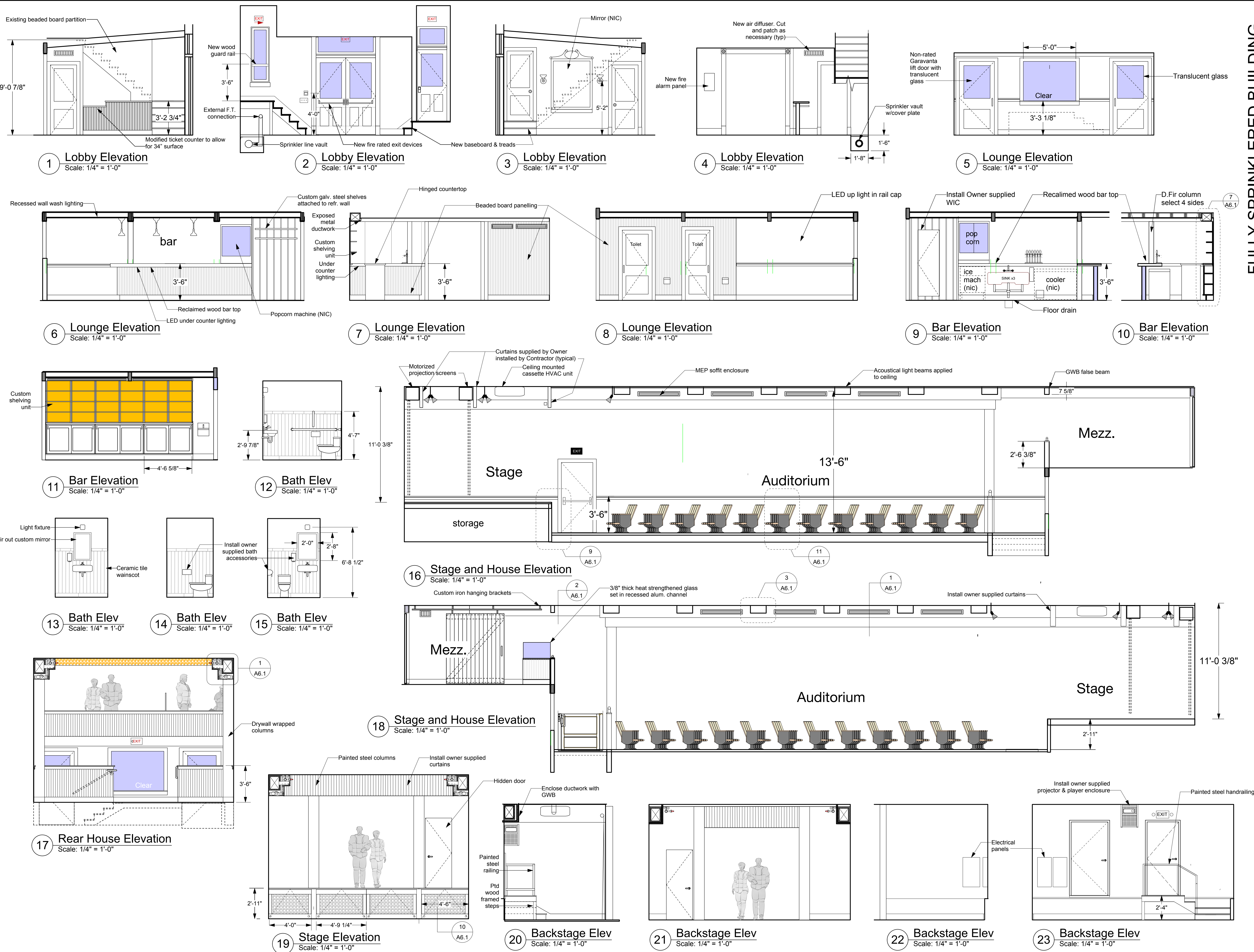
Issue/Revision
6/4/20 Issued to WV Fire Marshal
6/22/20 Issued for bid

Seal
STATE OF WEST VIRGINIA
MATTHEW W. GROVE
NO. 2616
REGISTERED ARCHITECT

Drawing Title
Building & Wall Sections

Date: May 28, 2020
Scale: As Noted
Project Number: 19820
Drawing Number

A3.3



FULLY SPRINKLERED BUILDING

NORTH (building)

Shepherdstown Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA

Architecture
Planning
Interiors
Landscape

Grove & Dall'Olio Architects pllc Matthew W. Grove Matthew W. Grove

127 Milligan Lane 18 West Bosworth Street
Shepherdstown, WV 25420 Winchester, VA 22601
304-267-2120 540-773-2328

Issue / Revision Seal

6/4/20 Issued to WV Fire Marshal

6/22/20 Issued for bid

STATE OF WEST VIRGINIA

MATTHEW W. GROVE

NO. 2616

REGISTERED ARCHITECT

Drawing Title

Interior Elevations

Date: May 28, 2020

Scale: As Noted Project Number: 19820

Drawing Number

A4.1



FULLY SPRINKLERED BUILDING

NORTH (building)

Shepherdstown Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

OWNER

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson

MECH/ELECT ENGINEER

FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

STRUCTURAL ENGINEER

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape

Grove & Dall'Olio Architects PLLC
Matthew W. Grove
127 Migration Lane
Grantstown, WV 25420
304-267-2120

Matthew W. Grove
18 West Boswell Street
Winchester, VA 22601
540-773-2328

DATE / REVISION

6/4/20 Issued to WV Fire Marshal
6/22/20 Issued for bid

DRAWING TITLE

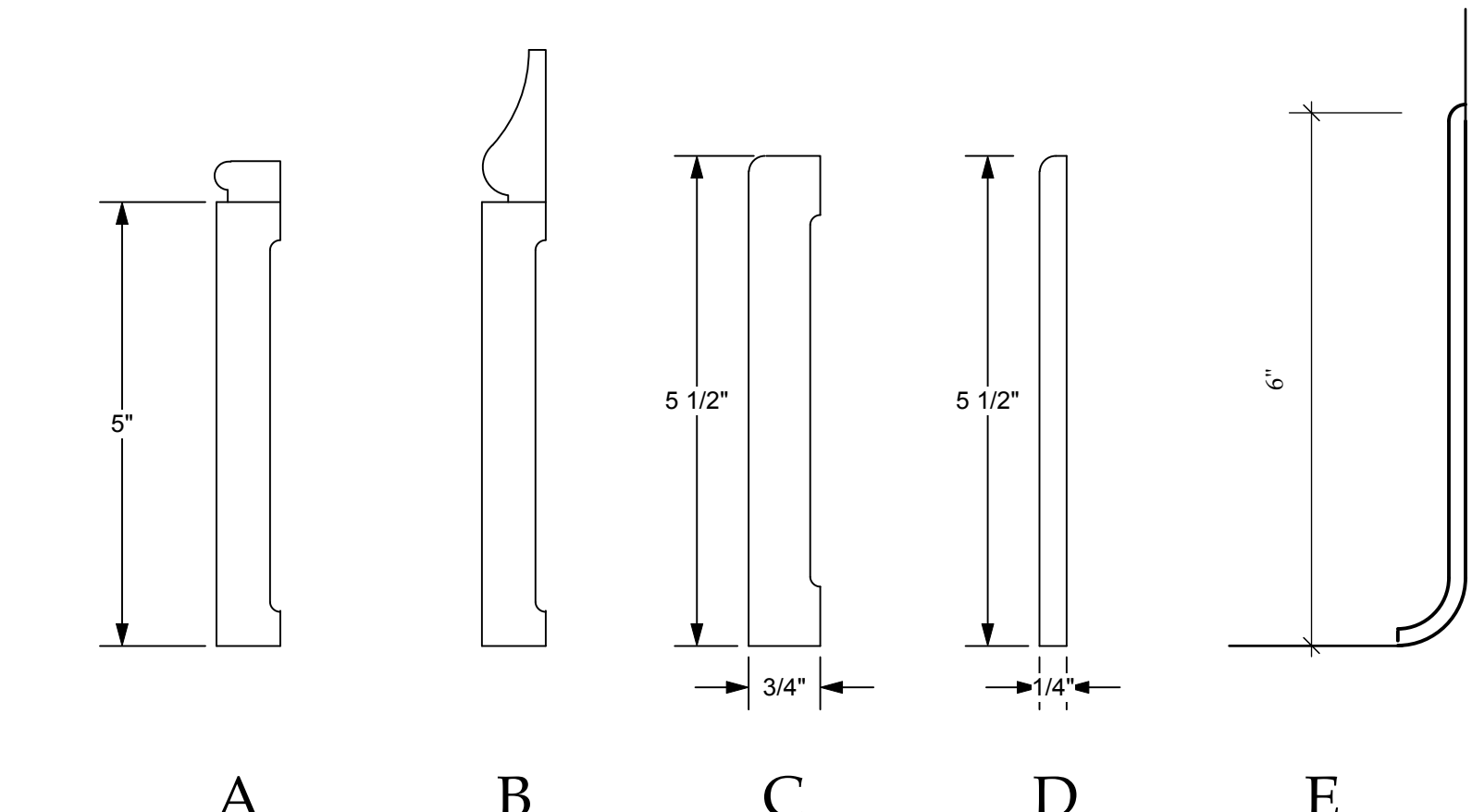
Interior Elevations

DATE: May 28, 2020
SCALE: As Noted
PROJECT NUMBER: 19820
DRAWING NUMBER:

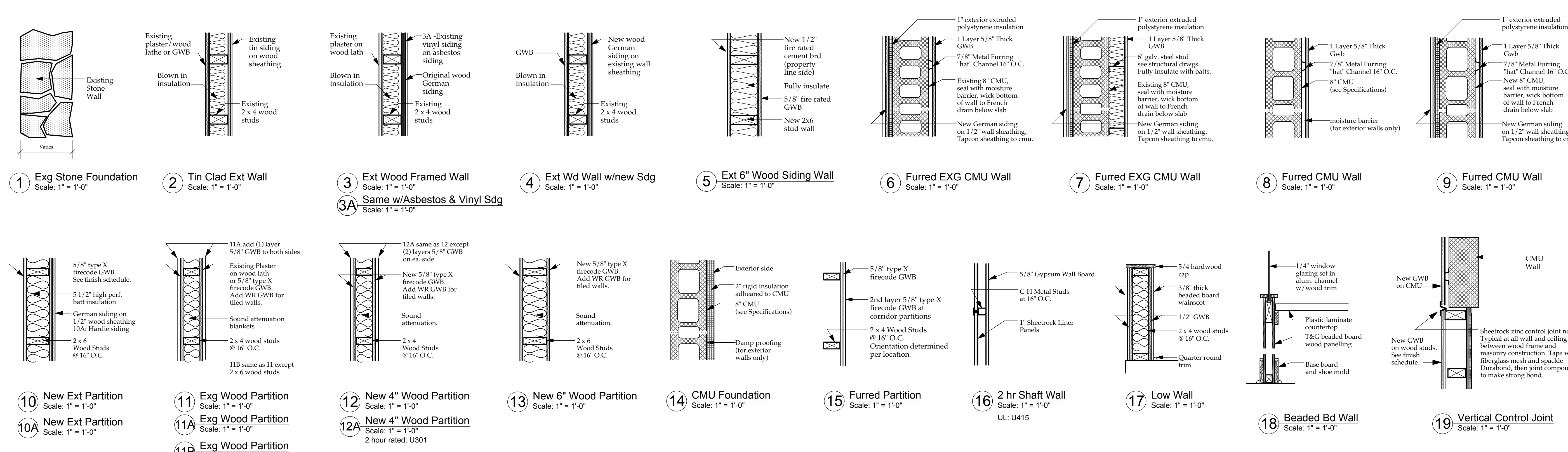
A4.2

Finish Schedule & Notes table with columns for Room No., Name, Floor, Material, Finish, R Value, Base, North Wall, East Wall, South Wall, West Wall, Ceiling, Height, R Value, and Remarks. Lists various rooms like Stair A, Lobby, Corridor, etc. with their respective materials and finishes.

Key: GWB 1 Type X Gypsum Wallboard taped and finished, primed, 2 finish coats of paint; GWB 2 Water resistant Type X Gypsum Wallboard taped and finished, primed, 2 finish coats of paint; BB Beaded Board Wainscot. Includes notes on tile and cement board usage.



BASEBOARD DETAILS

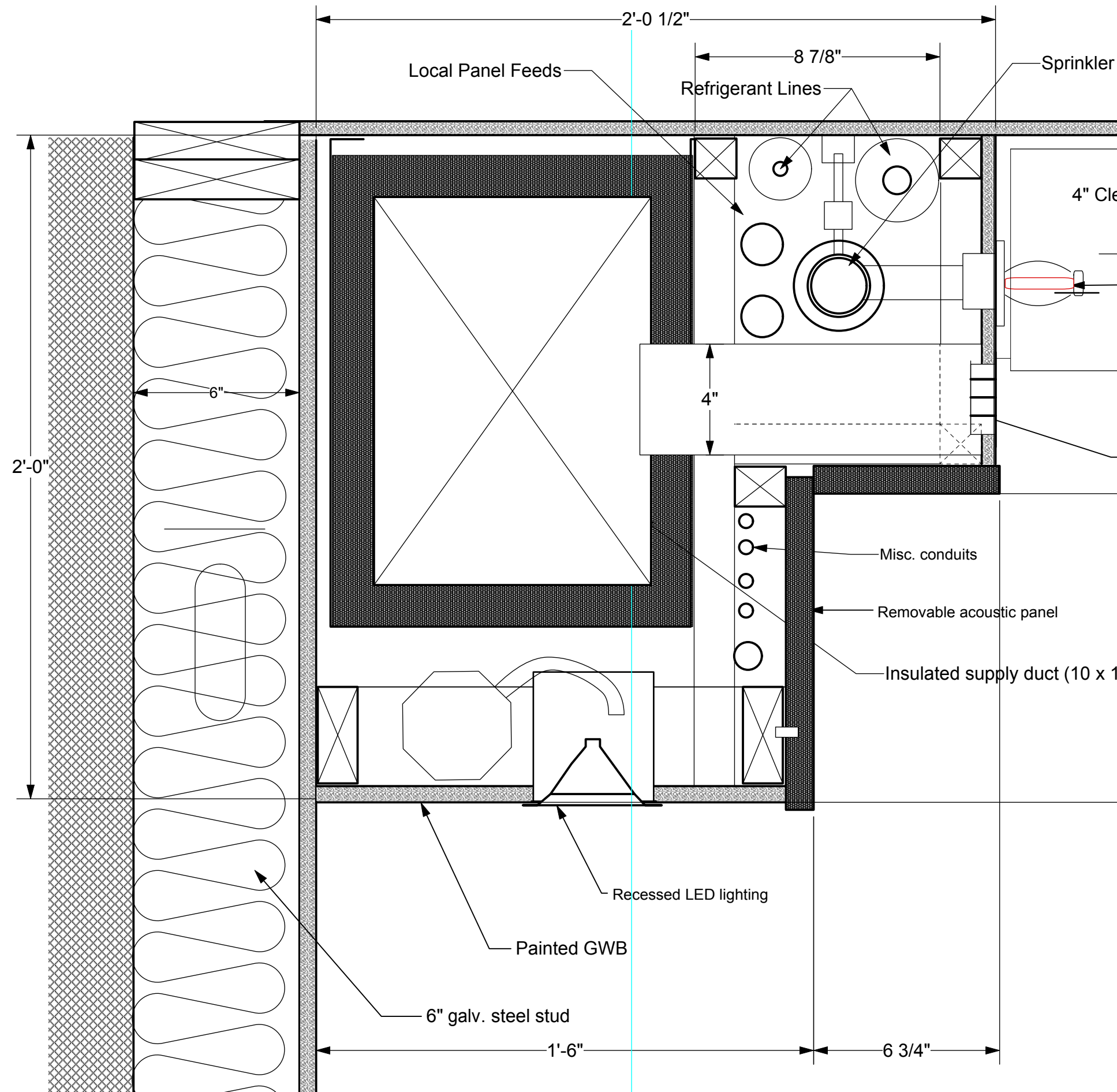


NORTH (building) **Shepherdstown Opera House** RENOVATIONS 131 W. German St. Shepherdstown West Virginia

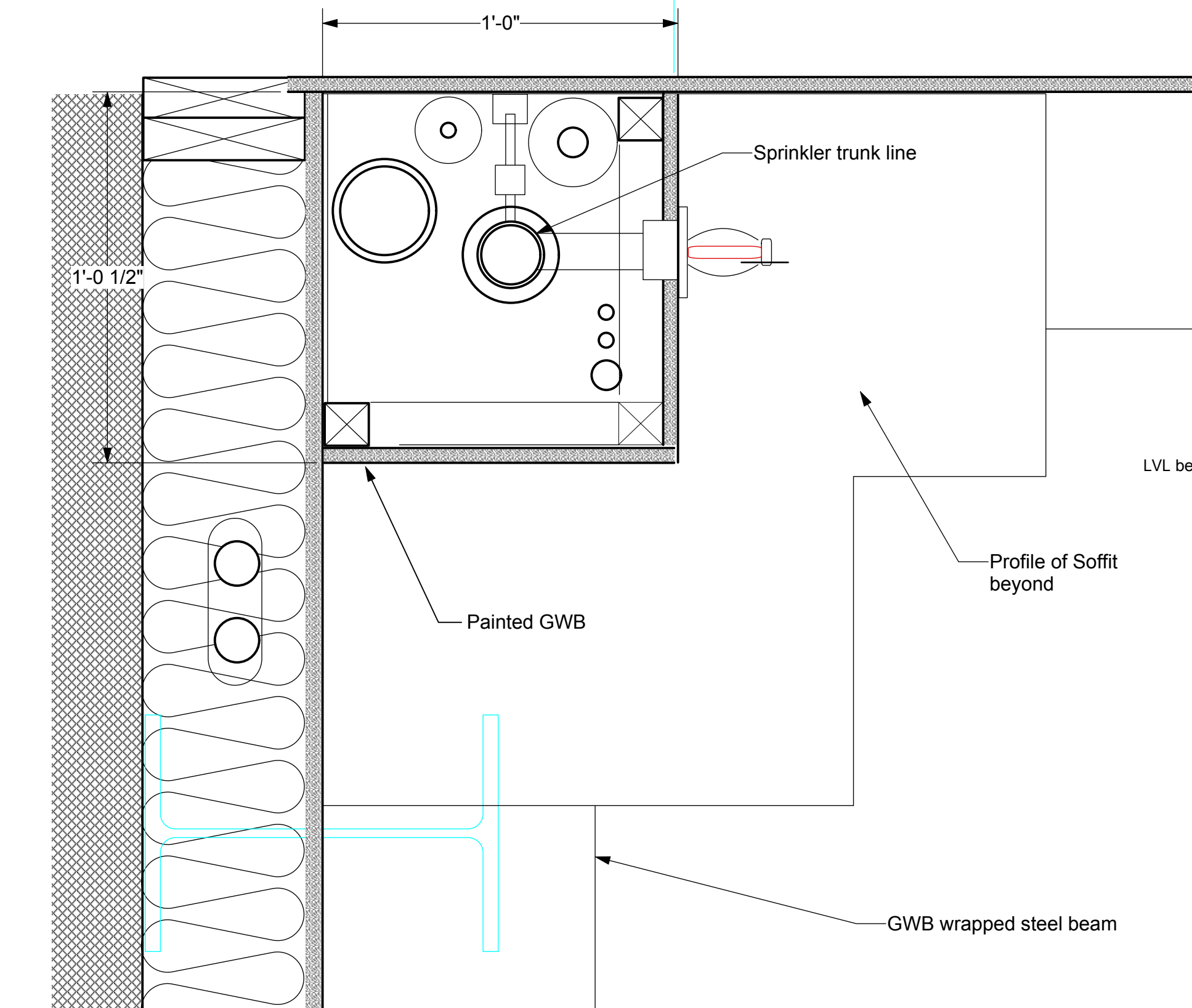
OWNER **OPERA HOUSE ALIVE** LLC Stephen & Harriet Pearson

Mech/Elect Engineer **FHC Engineering, PC** 4 Weems Lane #277 Winchester, VA 22601 540 247-2939
Structural Engineer **Ruckman Engineering, PLC** 22-B Ricketts Drive Winchester, VA 22601

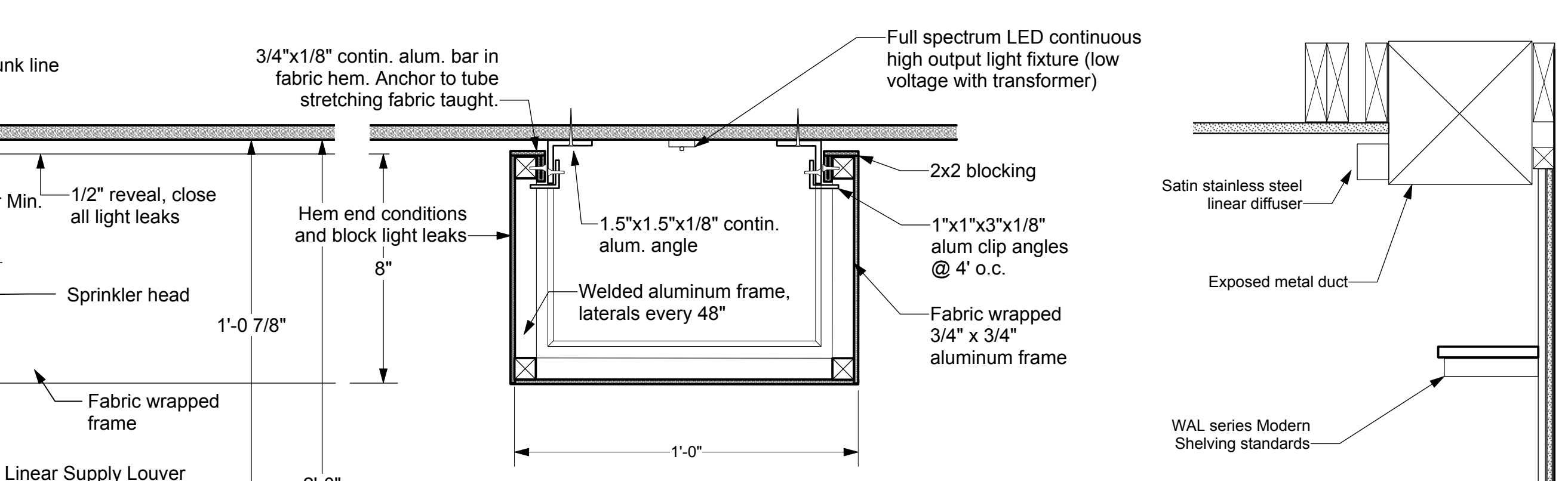
Professional seals for Matthew W. Grove and a state seal for Virginia. Includes project information: Date: May 28, 2020; Scale: As Noted; Project Number: 19820; Drawing Number: **Finish Schedule A5.2**



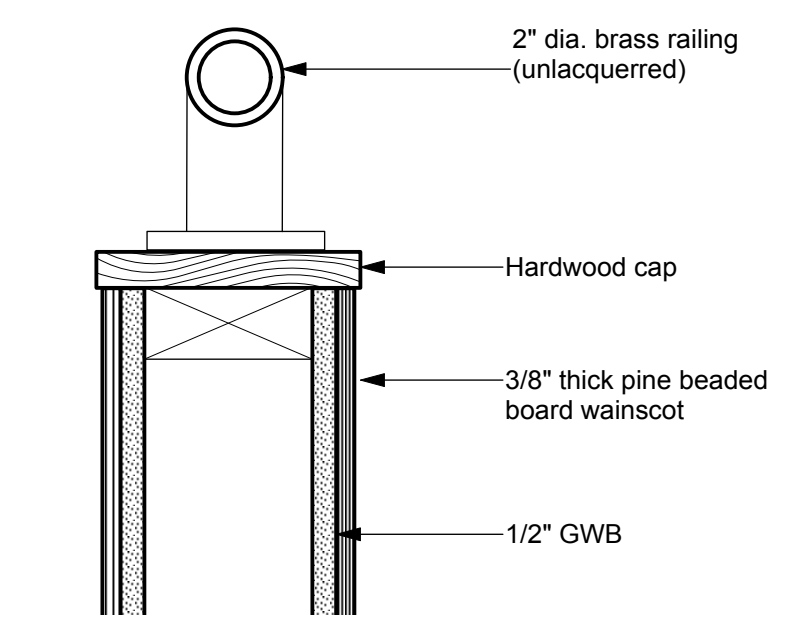
1 Theater Soffit Detail
Scale: 3" = 1'-0"



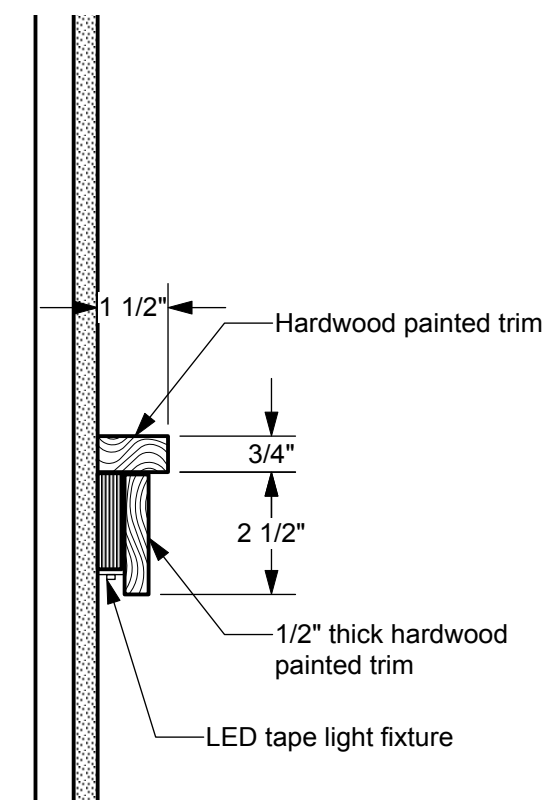
2 Mezzanine Soffit Detail
Scale: 3" = 1'-0"



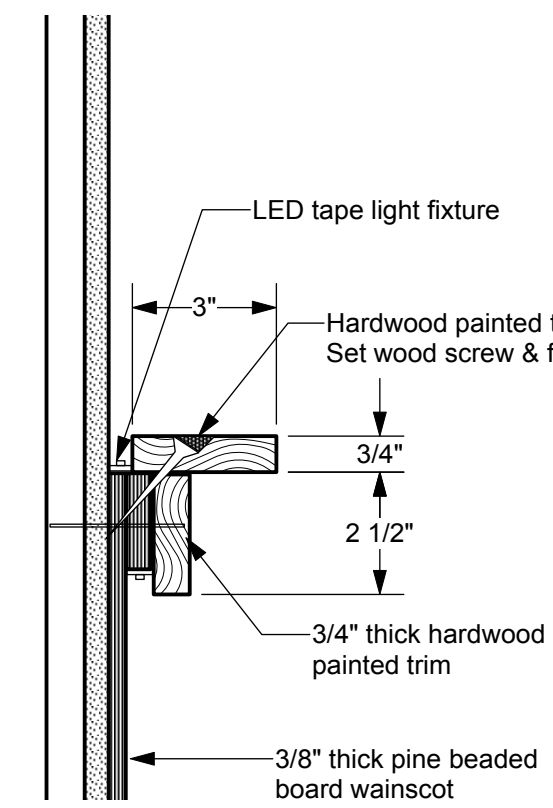
3 Theater False Beam Detail
Scale: 3" = 1'-0"



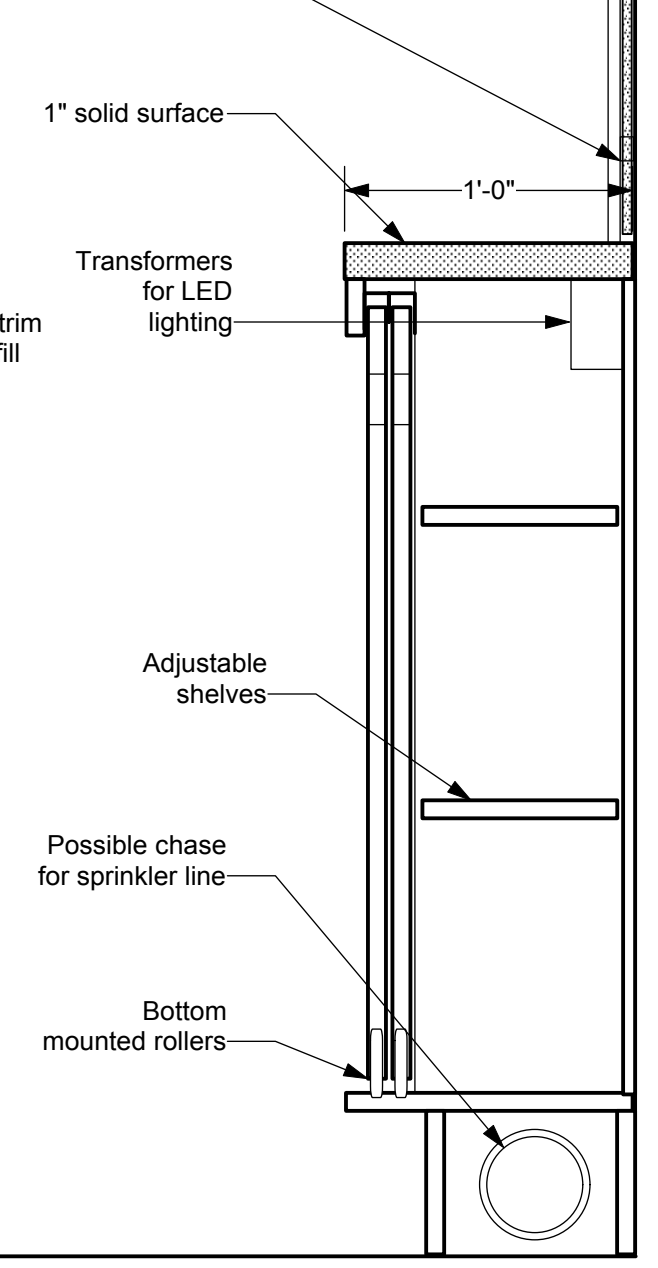
4 Low wall Detail
Scale: 3" = 1'-0"



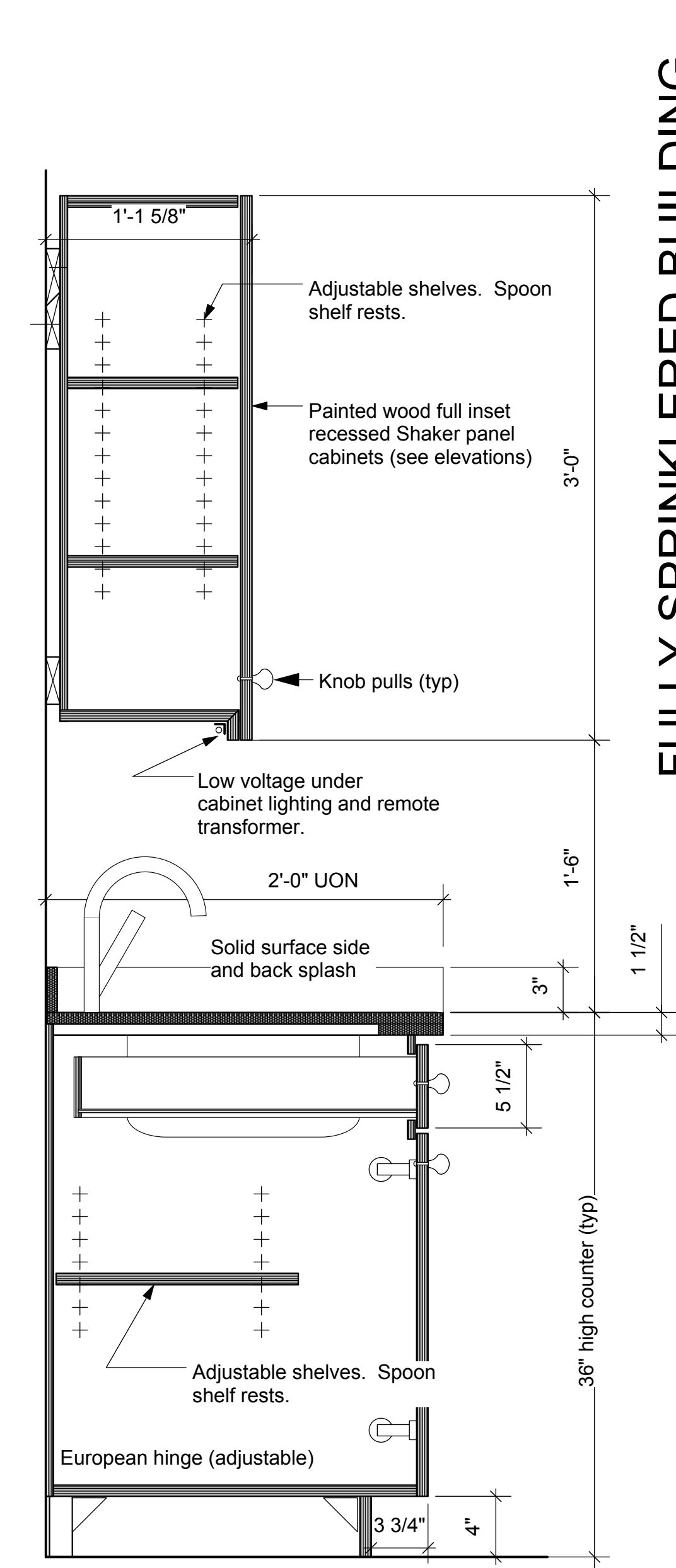
5 Chair Rail Detail
Scale: 3" = 1'-0"



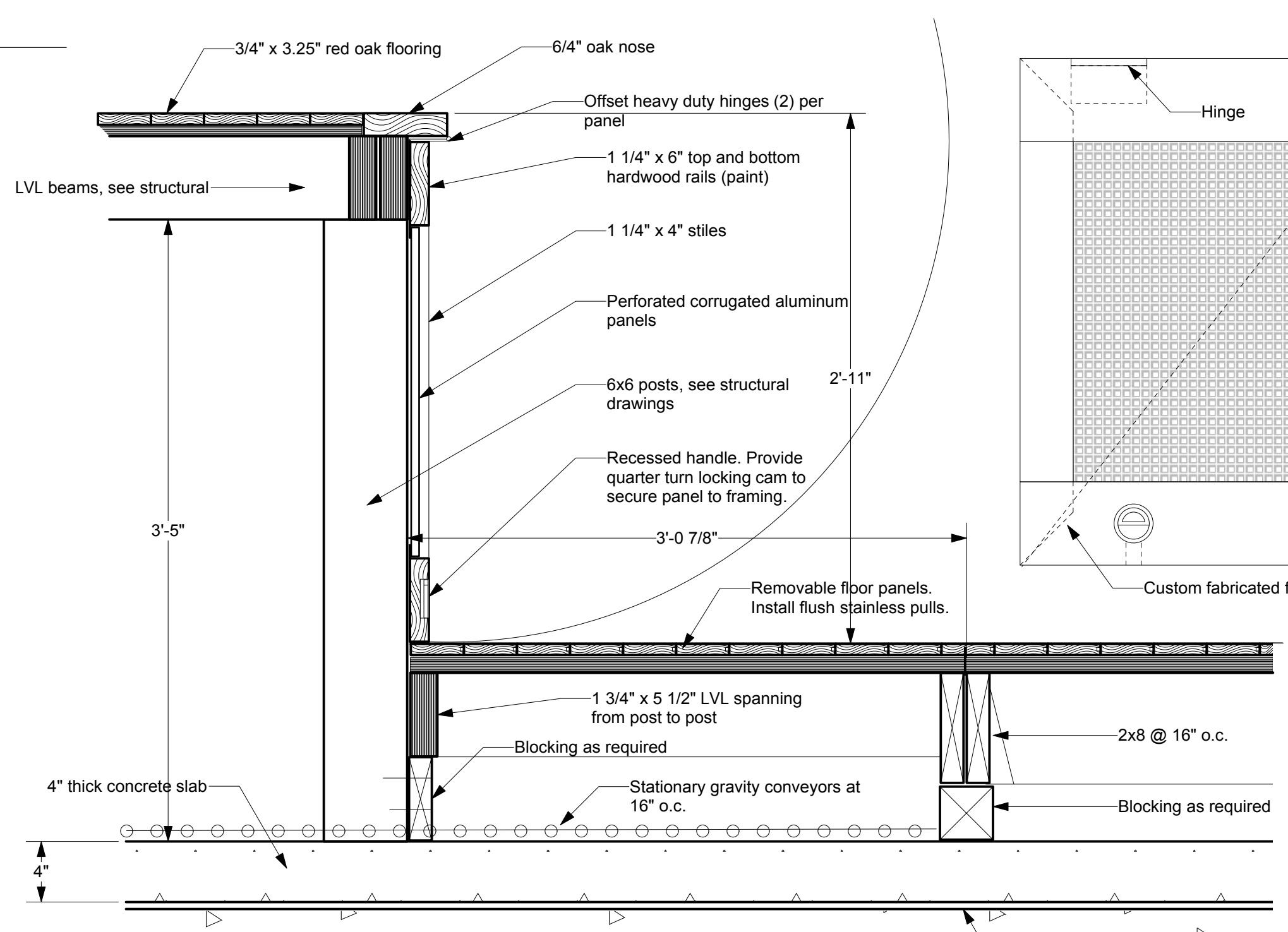
6 Chair Rail Detail
Scale: 3" = 1'-0"



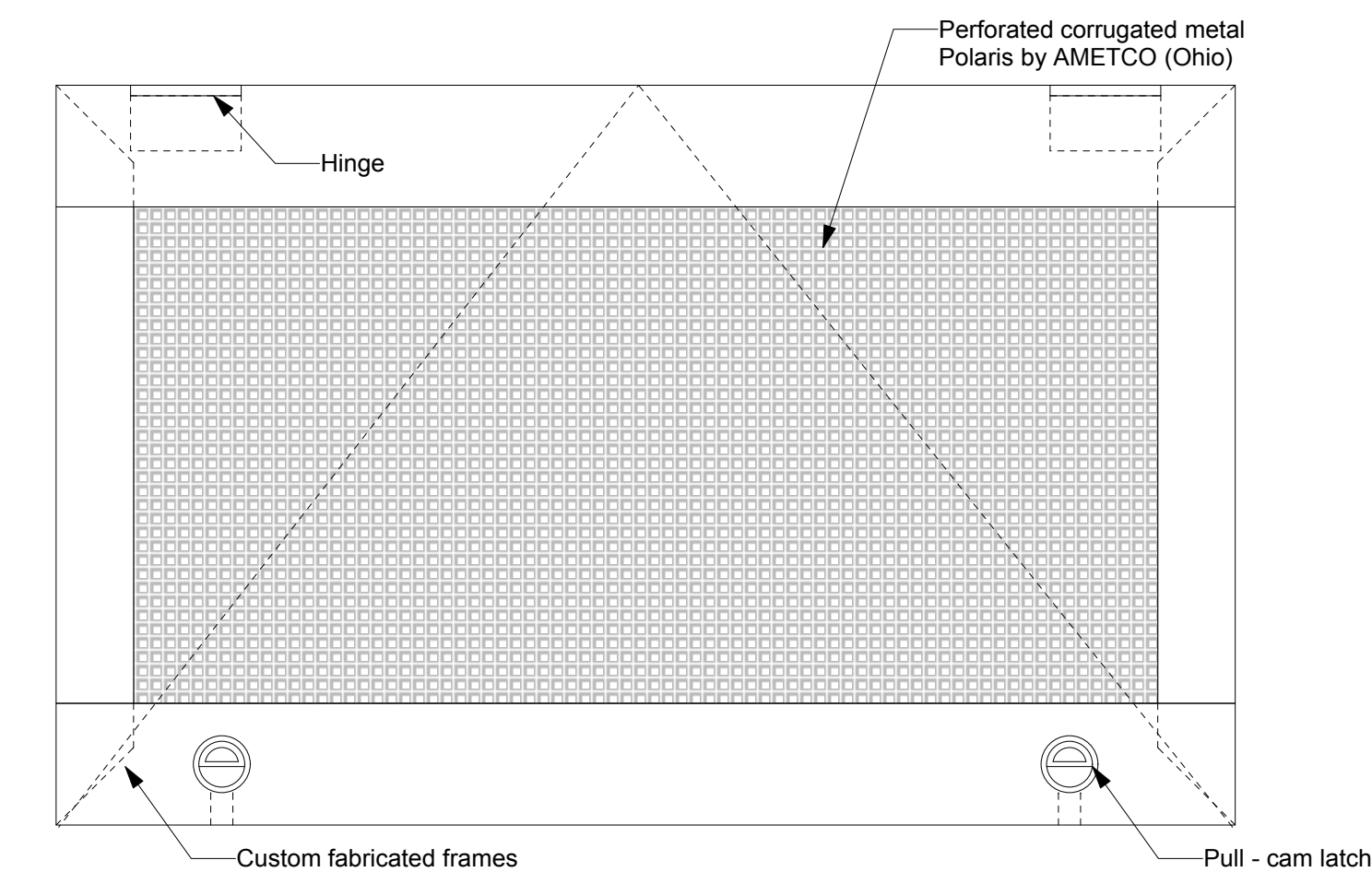
7 Bar Back Cabinetry
Scale: 1 1/2" = 1'-0"



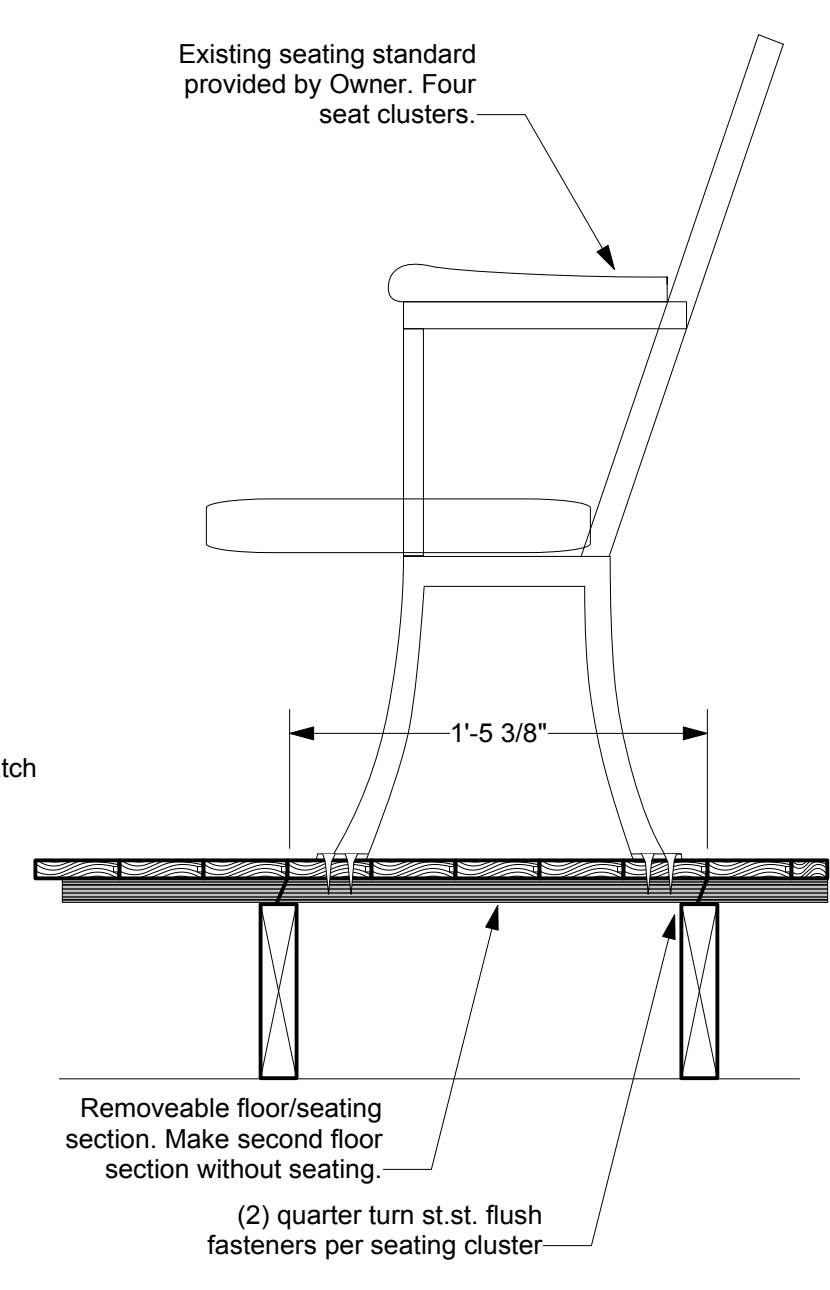
8 Wall & Base Cabinets
Scale: 1 1/2" = 1'-0"



9 Stage Front Detail
Scale: 1 1/2" = 1'-0"



10 Stage Front Panel Detail
Scale: 1 1/2" = 1'-0"



11 Seating-Floor Detail
Scale: 1 1/2" = 1'-0"

FULLY SPRINKLERED BUILDING

NORTH (building)

Shepherdstown Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

OWNER

OPERA HOUSE ALIVE, LLC

Stephen & Harriet Pearson

MECH/ELECT ENGINEER

FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

STRUCTURAL ENGINEER

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape

Grove & Dall'Osio Architects p.l.l.c. AIA, LEED AP

Matthew W. Grove matthew@gdaia.com • GDAia.com

127 Magellan Lane 18 West Boswell Street
Corinthian, WV 25420 Winchester, VA 22601
304-267-2120 540-773-2328

Issue/Revision Seal

6/4/20 Issued to WV Fire Marshal

6/22/20 Issued for bid

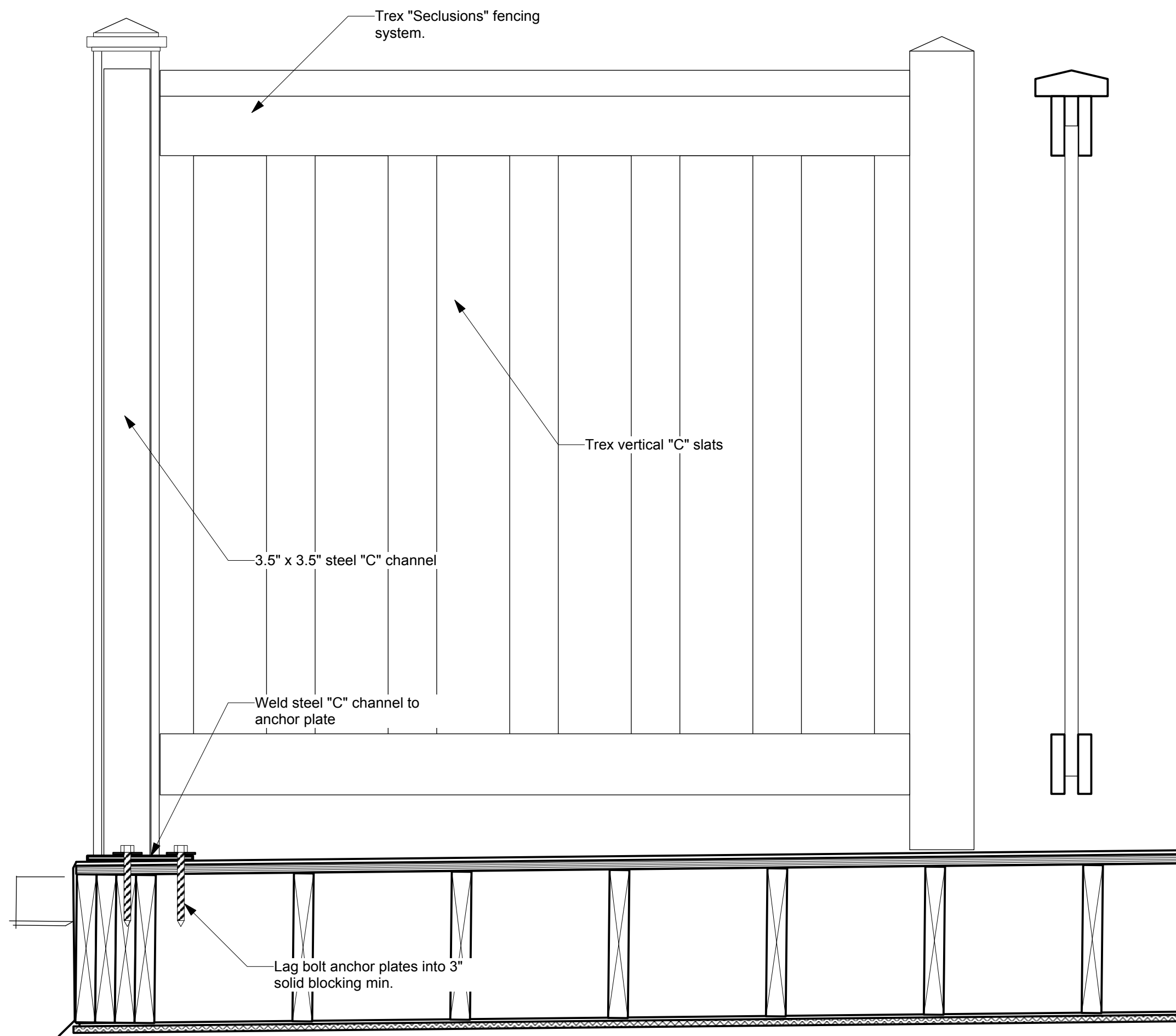
STATE OF WEST VIRGINIA
MATTHEW W. GROVE
NO. 2616
REGISTERED
ARCHITECT

Drawing Title

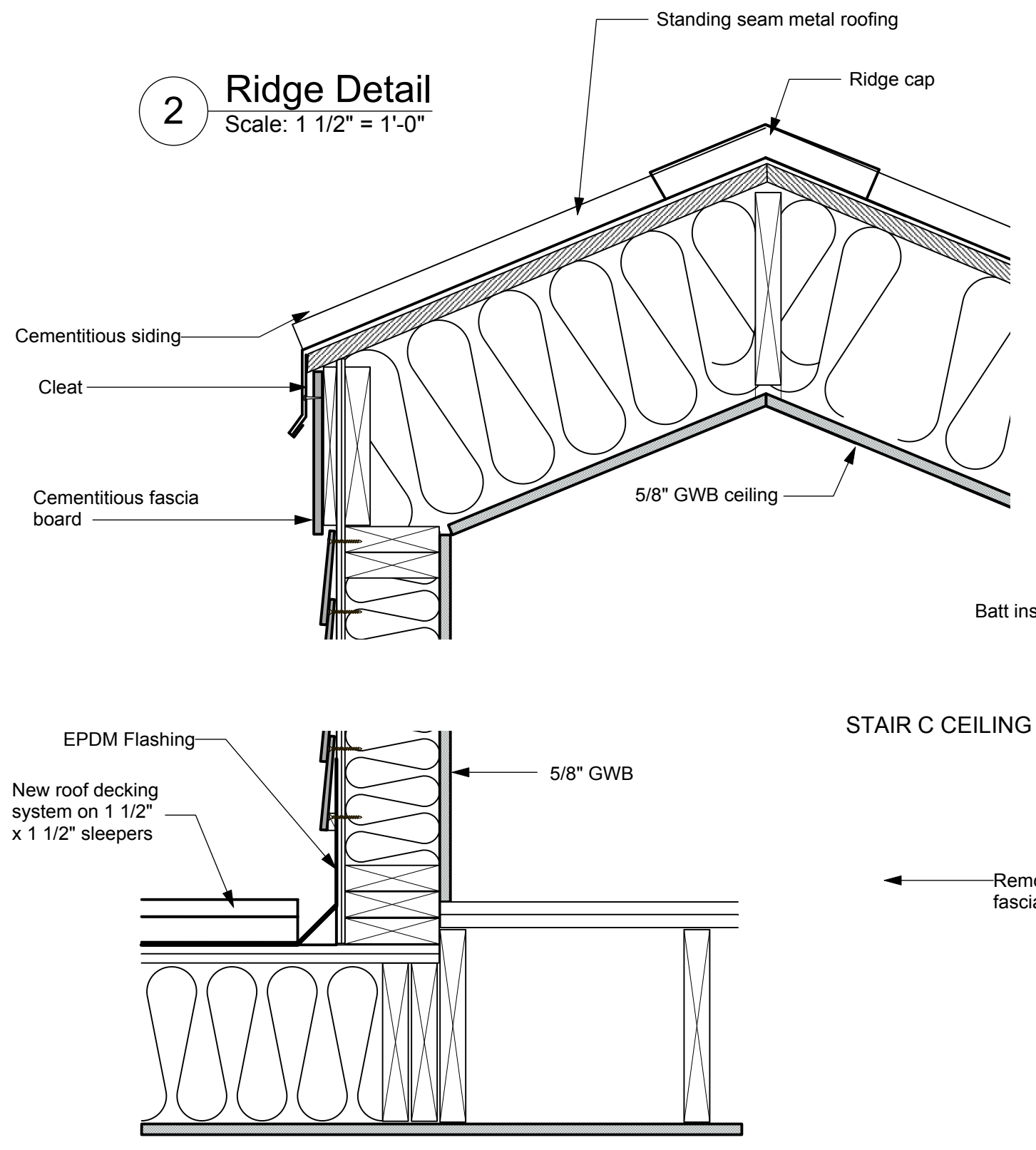
Interior Details

Date: May 28, 2020
Scale: As Noted Project Number: 19820
Drawing Number:

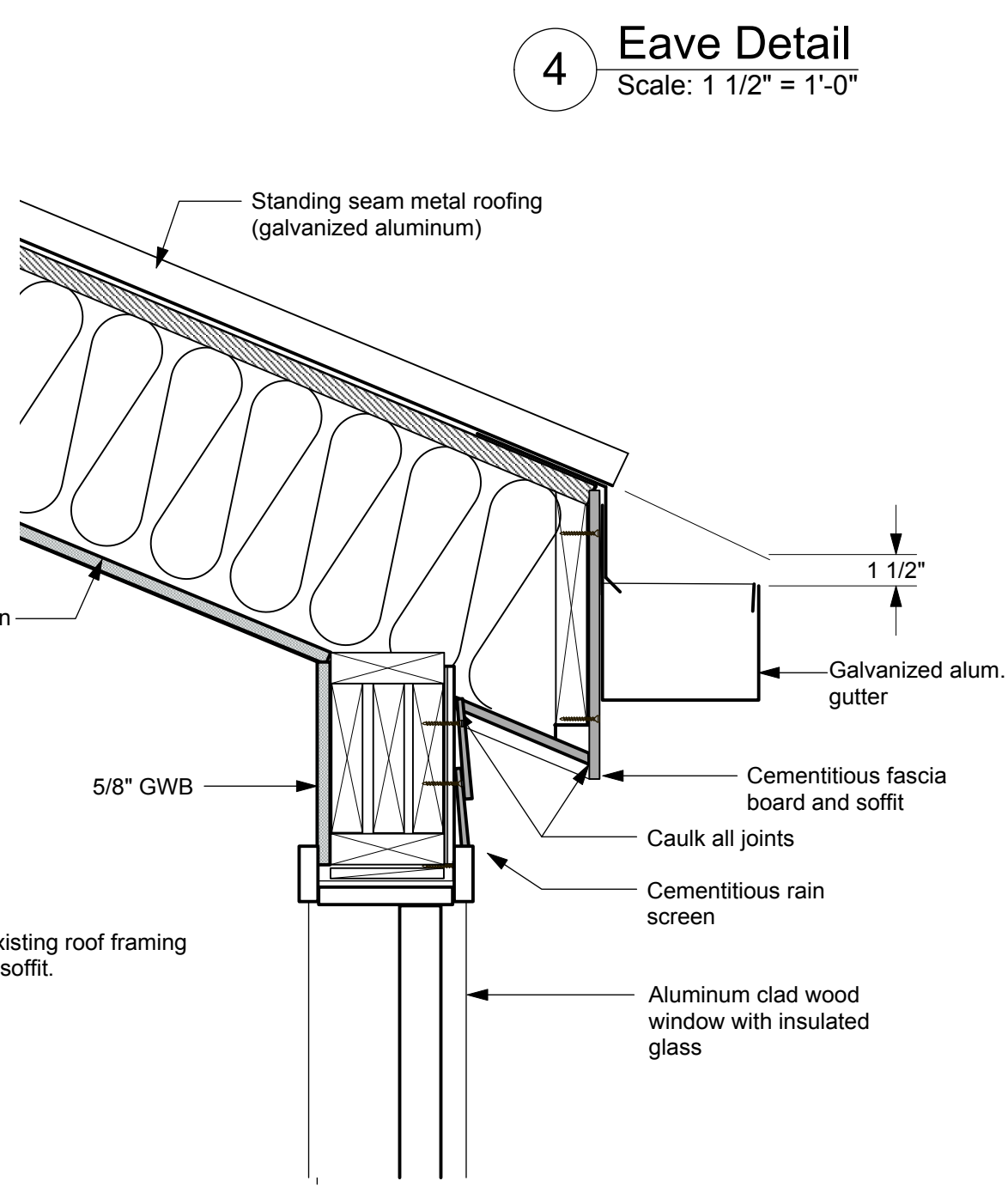
A6.1



1 Roof Deck Railing Detail
Scale: 1 1/2" = 1'-0"



2 Ridge Detail
Scale: 1 1/2" = 1'-0"

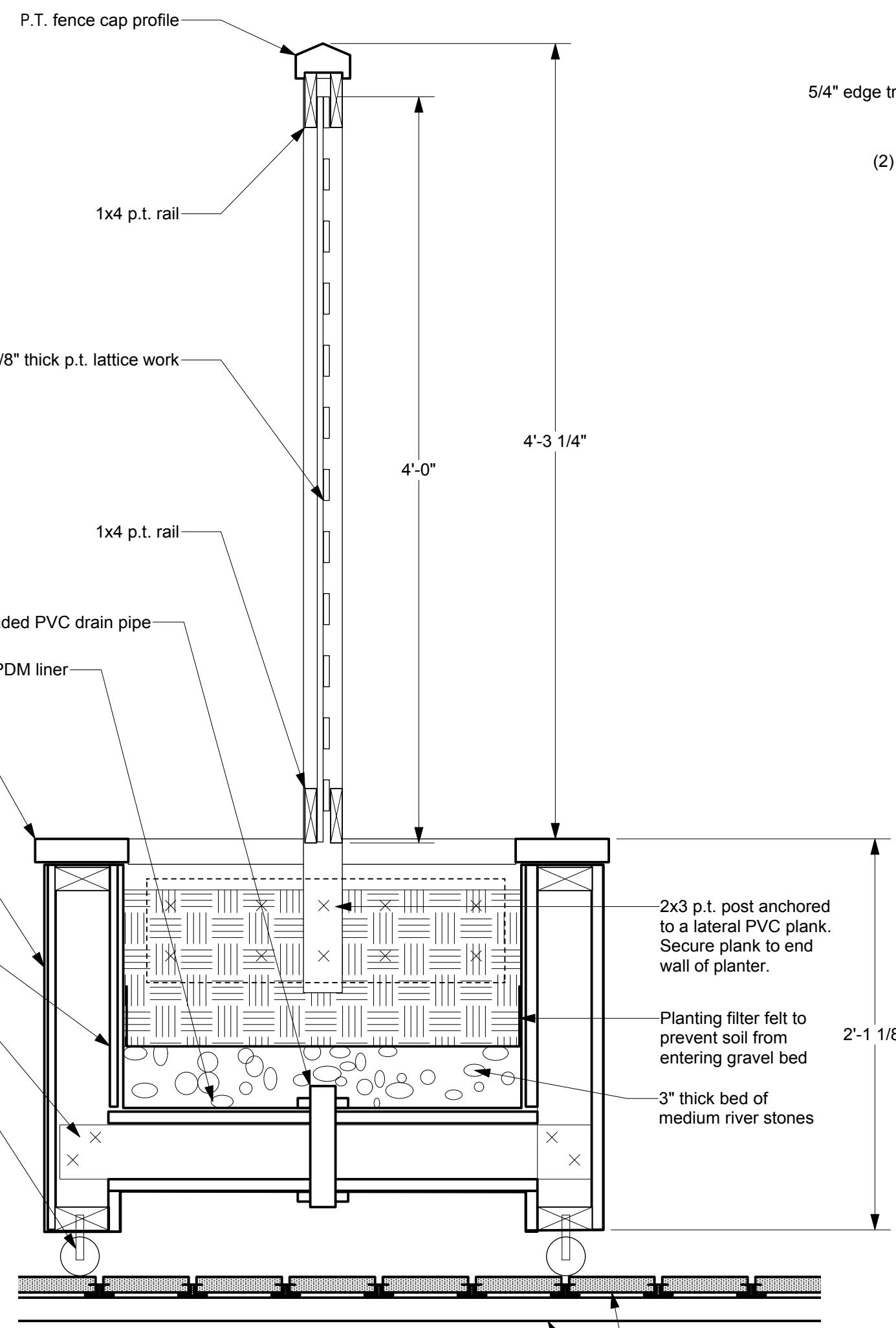


4 Eave Detail
Scale: 1 1/2" = 1'-0"

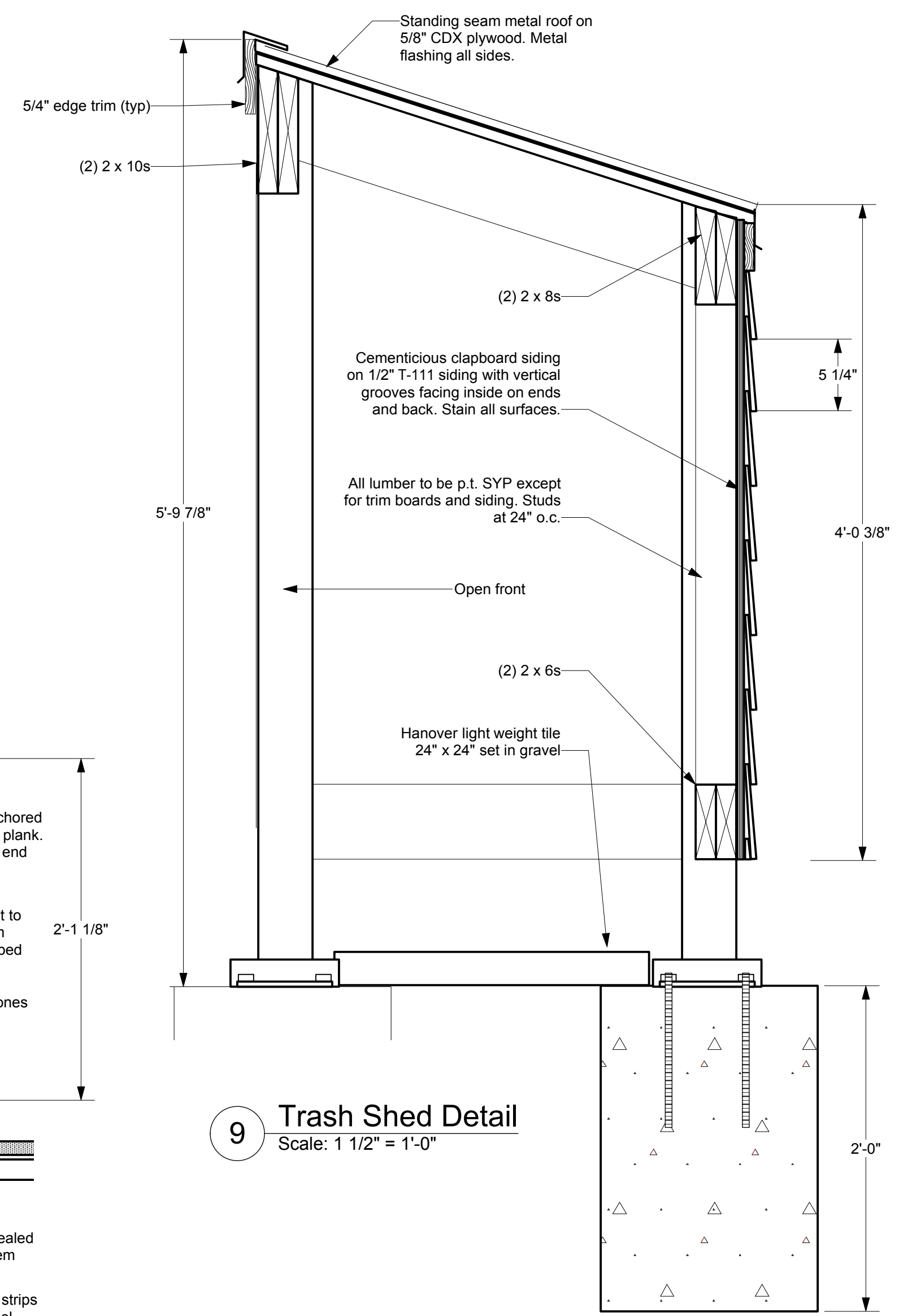
3 Roof Deck-Wall Detail
Scale: 1 1/2" = 1'-0"

STAIR C CEILING

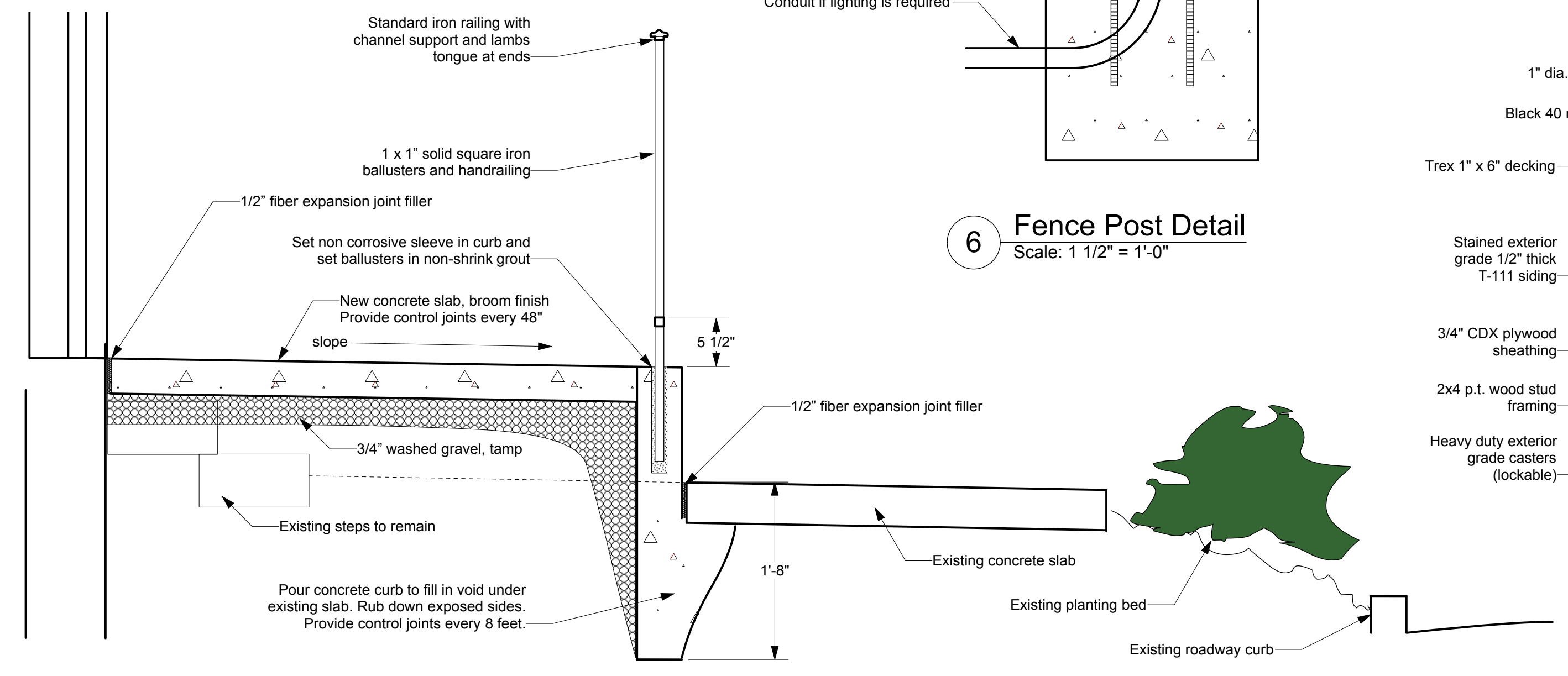
Remove existing roof framing fascia and soffit.



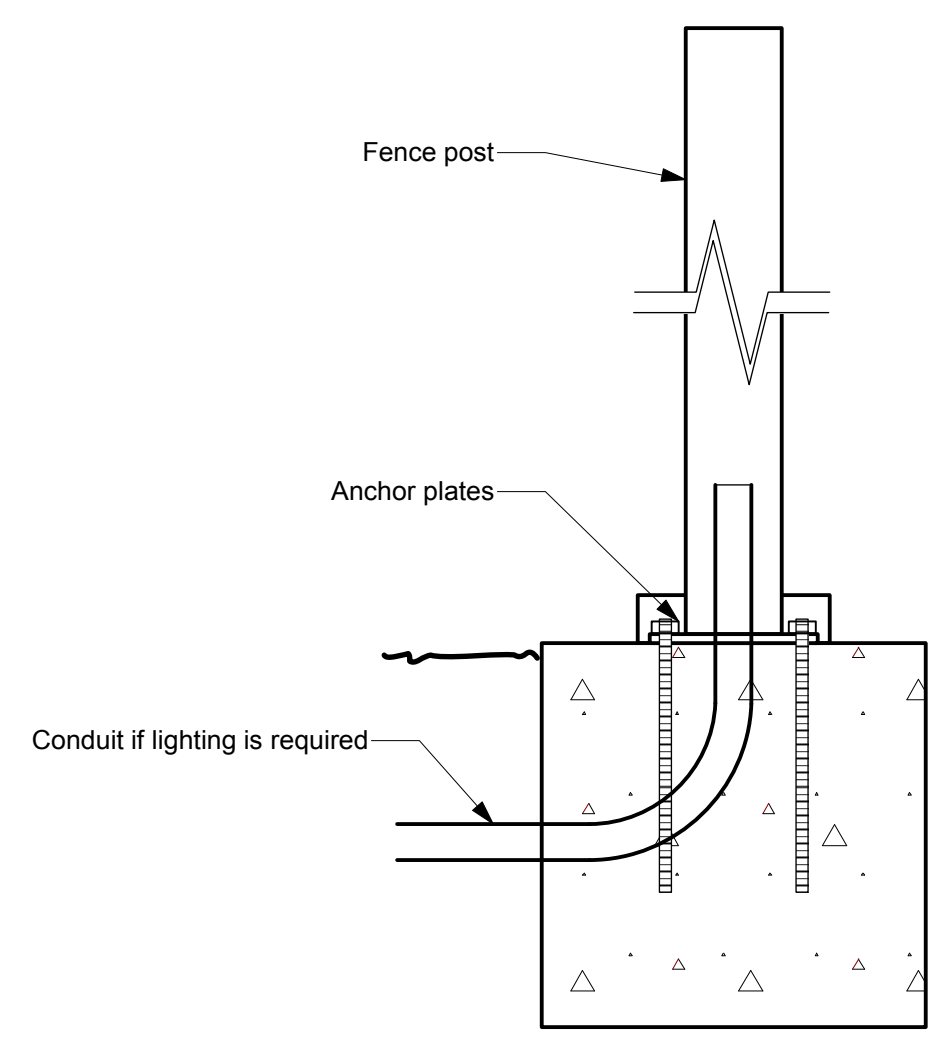
7 Rooftop Planter Detail
Scale: 1 1/2" = 1'-0"



9 Trash Shed Detail
Scale: 1 1/2" = 1'-0"



5 Roof Deck-Wall Detail
Scale: 1" = 1'-0"



6 Fence Post Detail
Scale: 1 1/2" = 1'-0"

Shepherdstown Opera House RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

FULLY SPRINKLERED BUILDING

OPERA HOUSE ALIVE LLC
Stephen & Harriet Pearson

Mech/Elect Engineer
FHC Engineering, PC
4 Weems Lane # 277
Winchester, VA 22601
540 247-2939

Structural Engineer
Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture, Planning, Interiors, Landscape
Grove & Dall'Olio Architects p.l.c. MA, LEED AP
Matthew W. Grove matthew@gdaia.com • GDAia.com
127 Migration Lane, Shepherdstown, WV 25420 304-267-2120
10 West Boswell Street, Winchester, VA 22601 540-773-2328

Issue/Revision Seal
6/4/20 Issued to WV Fire Marshal
6/22/20 Issued for bid
STATE OF WEST VIRGINIA
MATTHEW W. GROVE
NO. 2616
REGISTERED ARCHITECT

Exterior Details

Date: May 28, 2020
Scale: As Noted Project Number: 19820
Drawing Number

NORTH (building)

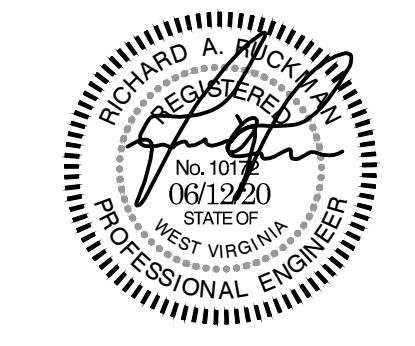
Shepherdstown Opera House RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson



Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape
AIA, LEED AP

Matthew W. Grove matthew@GDAaia.com • GDAaia.com

325 Migration Lane Gerrardstown, WV, 25420 304-267-2120

18 West Backaven Street Winchester, VA 22601 540-773-2328

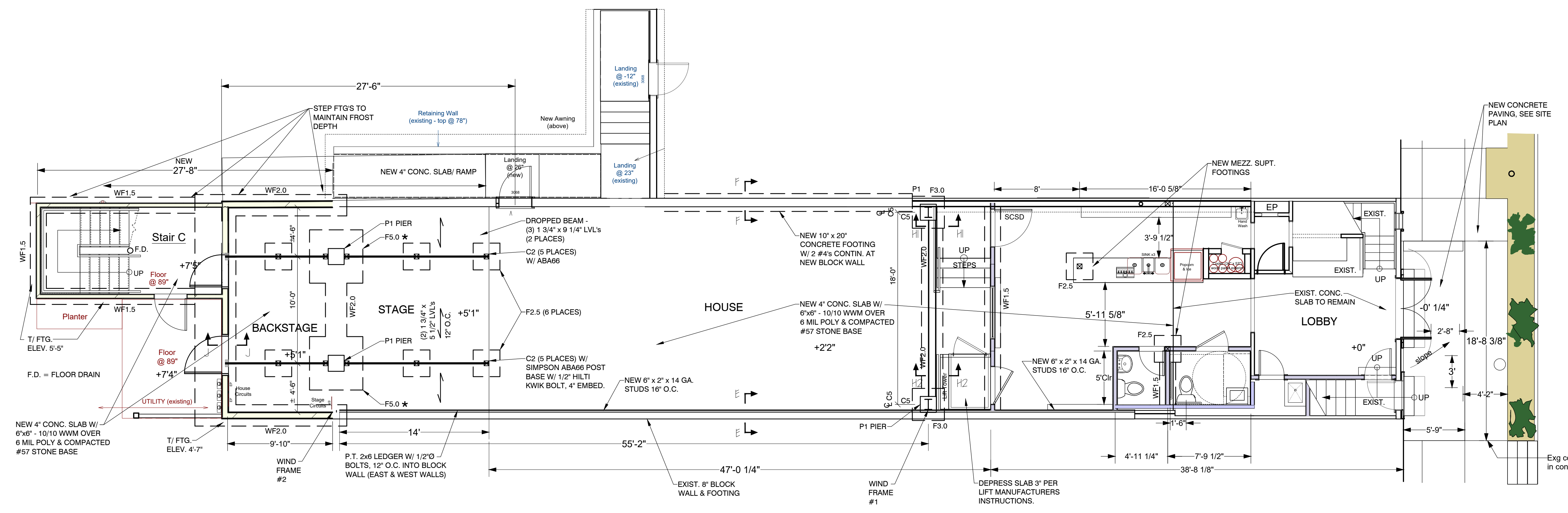
Issue/Revision	Seal
JUNE 12, 2020	ISSUED FOR BID

FOUNDATION AND MEZZANINE PLAN VIEWS

Date APRIL 30, 2020
Scale As Noted Project Number 19820
Drawing Number

S.1

FULLY SPRINKLERED BUILDING



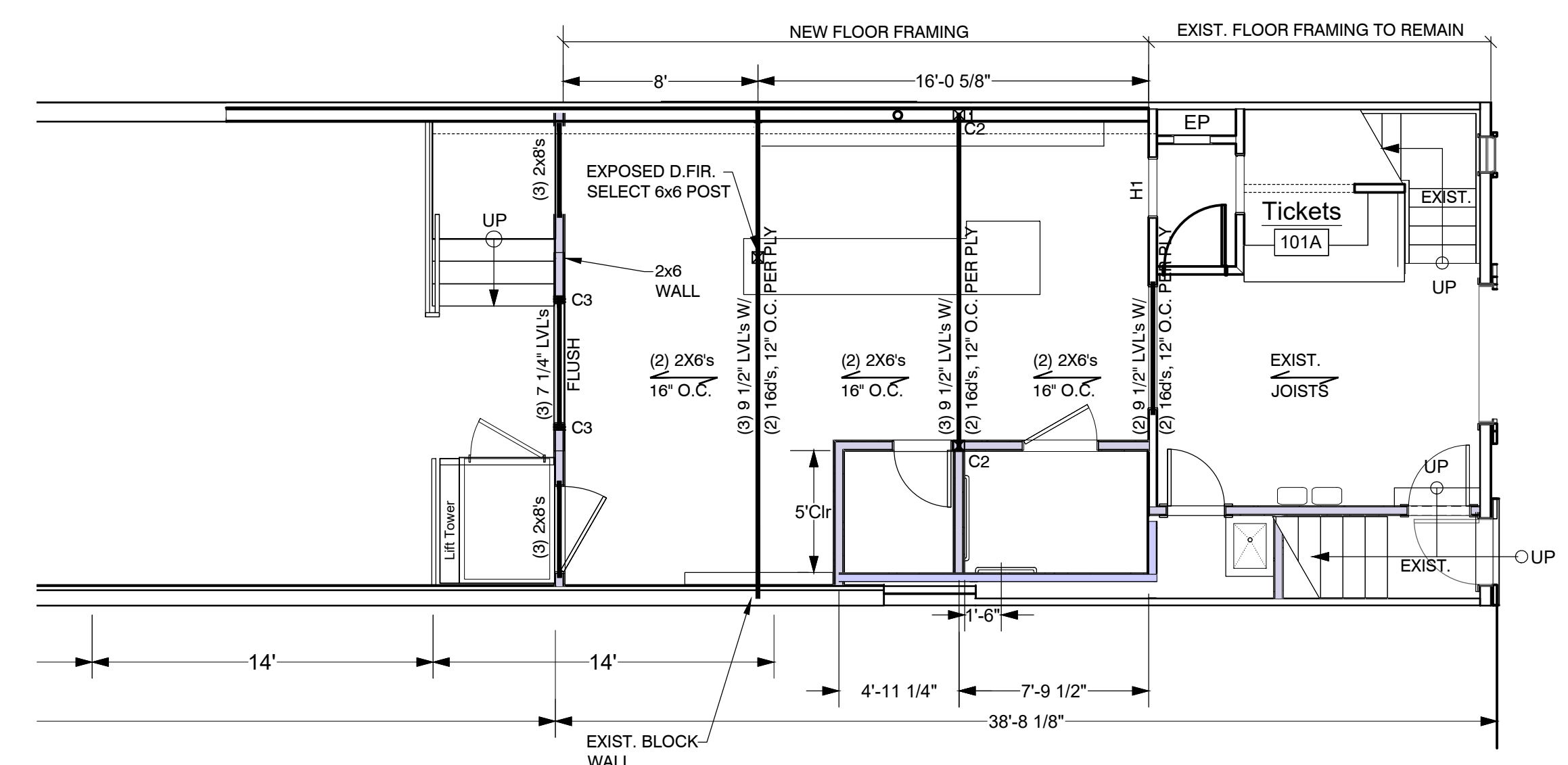
TOP OF FTG. ELEVATIONS ARE FOR ESTIMATING PURPOSES ONLY. ACTUAL TOP OF FTG. ELEVATIONS MAY VARY DEPENDING ON SITE SOIL CONDITIONS.

* TOP OF FTG. F5.0 TO BE 12\"/>

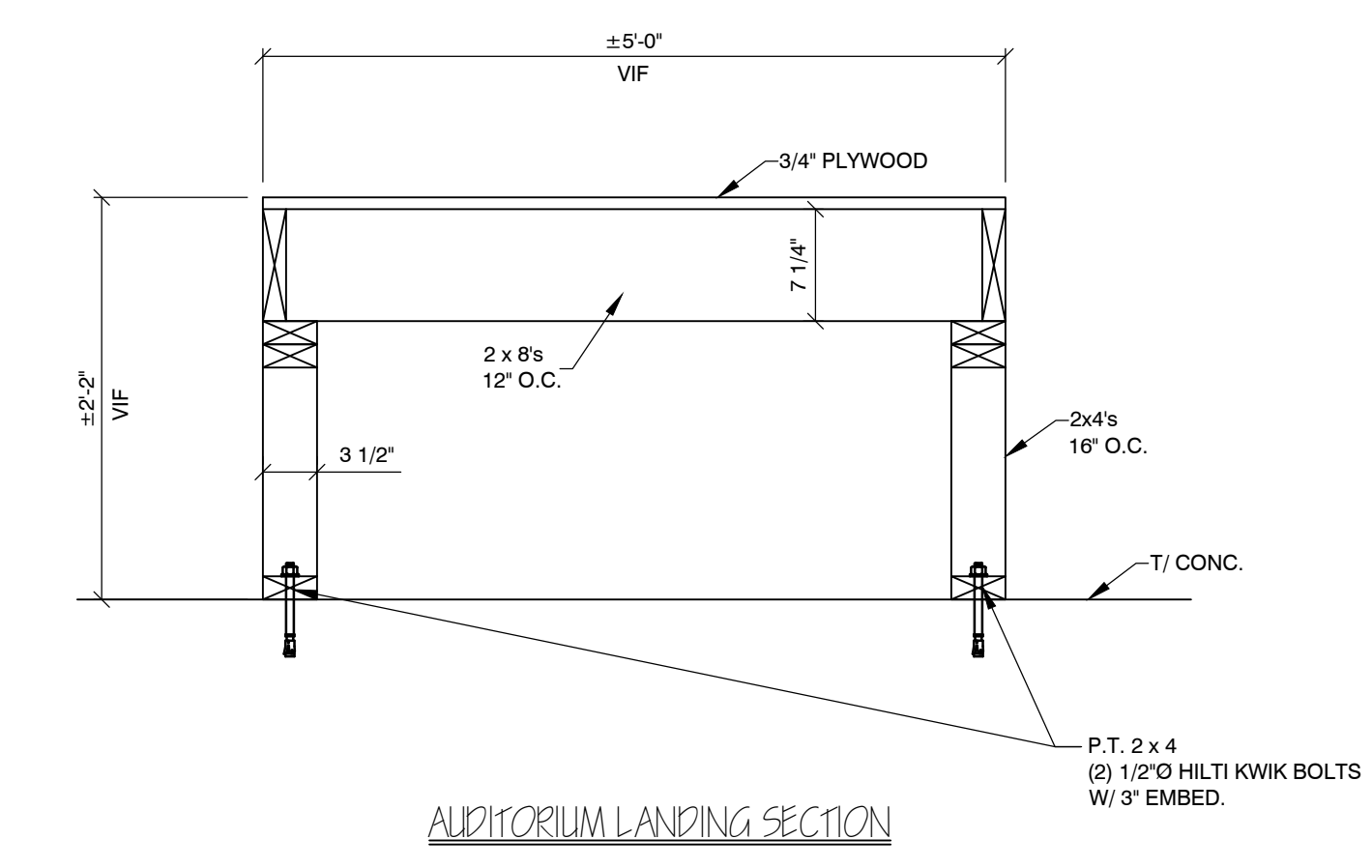
FOUNDATION PLAN - 1ST FLOOR PLAN
Scale: 3/16\"/>

- COLUMNS:**
- C1 - (4) 2x4's, NAILED & GLUED
 - C2 - 6x6 POST
 - C3 - (2) 2x4's / 2x6's
 - C4 - W6x25
 - C5 - W12x40

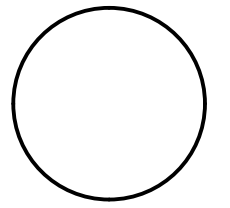
FOOTING/PIER SCHEDULE				
MARK	SIZE	DEPTH	REINFORCING EA. WAY	REMARKS
F2.5	2'-6" x 2'-6"	1'-3"	N/A	3000 PSI
F3.0	3'-0" x 3'-0"	1'-0"	4 #4's, EW, T&B	3000 PSI
F5.0	5'-0" x 5'-0"	1'-4"	5 #5's, EW, T&B	3000 PSI
WF 1.5	1'-6"	0'-9"	(2) #4's CONTIN.	3000 PSI
WF 2.0	2'-0"	1'-0"	(2) #4's CONTIN.	3000 PSI



MEZZANINE FLOOR FRAMING PLAN (1ST FLOOR PLAN)
Scale: 3/16\"/>



AUDITORIUM LANDING SECTION



NORTH (building)

Shepherdstown Opera House RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

FULLY SPRINKLERED BUILDING

Owner

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson



Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape
AIA, LEED AP

Grove & Dall'Olio Architects PLLC
Matthew W. Grove matthew@gdaia.com • GDAia.com

325 Migration Lane
Shepherdstown, WV 25420
304-267-2120

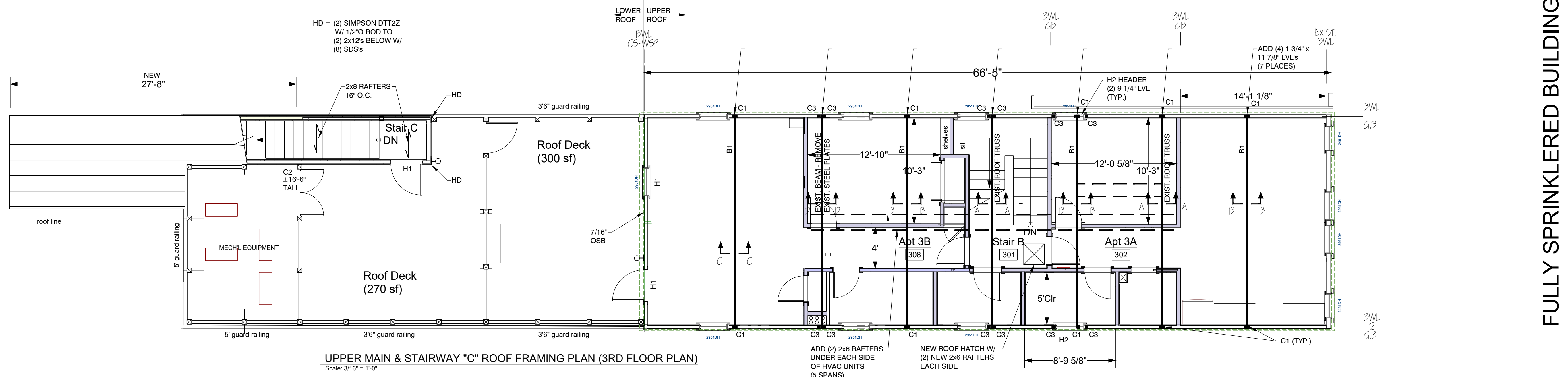
18 West Bowman Street
Winchester, VA 22601
540-773-2328

Issue/Revision	Seal
JUNE 12, 2020	ISSUED FOR BID

FRAMING PLAN VIEWS

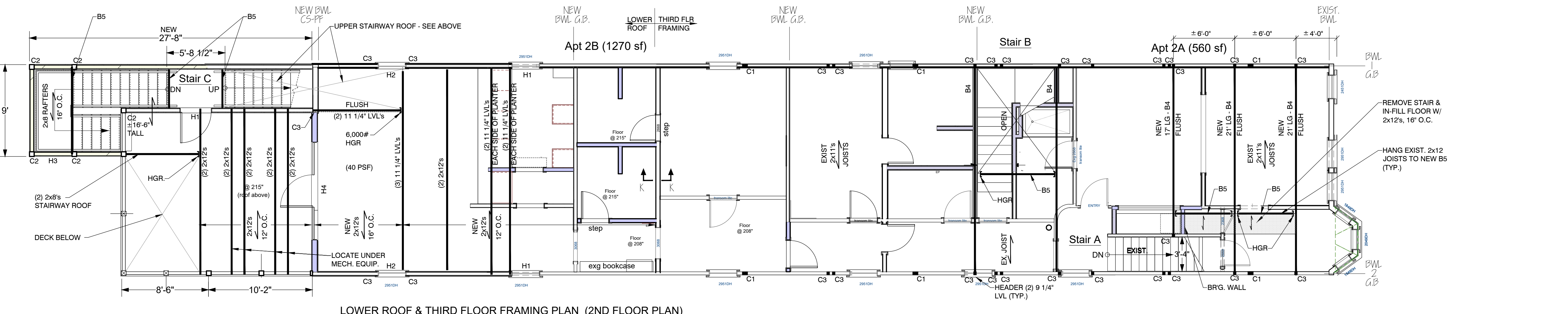
Date: APRIL 30, 2020
Scale: As Noted Project Number: 19820
Drawing Number

S.2



UPPER MAIN & STAIRWAY "C" ROOF FRAMING PLAN (3RD FLOOR PLAN)

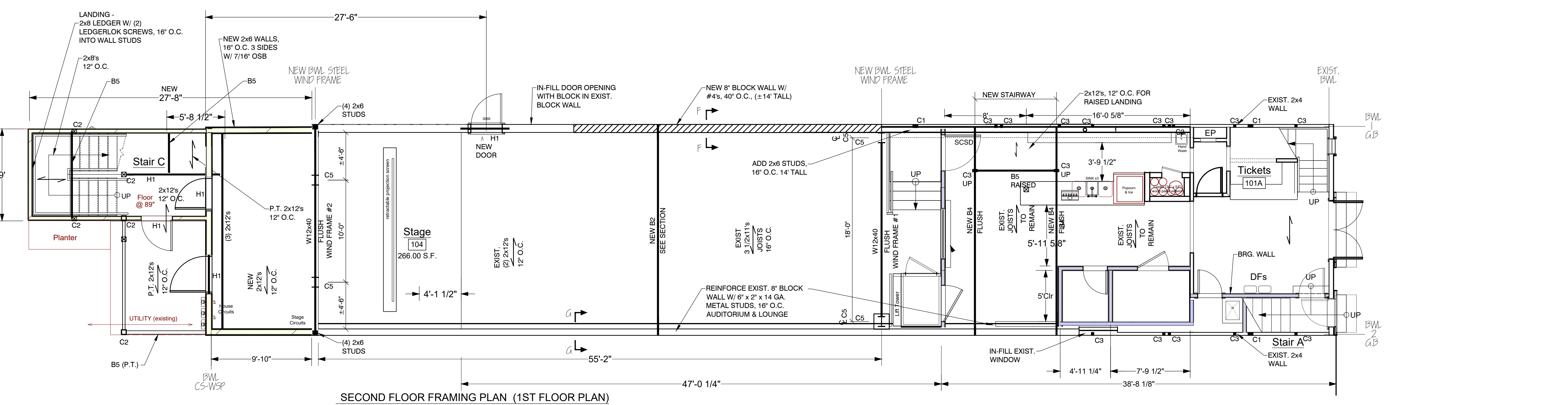
Scale: 3/16" = 1'-0"



LOWER ROOF & THIRD FLOOR FRAMING PLAN (2ND FLOOR PLAN)

Scale: 3/16" = 1'-0"

- BEAMS:**
 B1 - (4) 1 3/4" x 11 1/4" LVL's
 B2 - (2) C10x15.3's
 B3 - (2) 1 3/4" x 11 7/8" LVL's W/ (3) 16ds, 12" O.C.
 B4 - (2) 1 3/4" x 11 1/4" LVL's W/ (3) 16ds, 12" O.C.
 B5 - (2) 2x12's
- HEADERS:**
 H1 - (2) 2x10's
 H2 - (2) 1 3/4" x 9 1/4" LVL's
 H3 - (2) 2x8's
 H4 - (3) 2x12's



SECOND FLOOR FRAMING PLAN (1ST FLOOR PLAN)

Scale: 3/16" = 1'-0"

P:\2020 Projects\Structural\GDA Opera House_Shepherdstown\Details.dwg 6/11/2020 5:32:17 PM

NORTH (building)

Shepherdstown Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

FULLY SPRINKLERED BUILDING

Owner

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson



Mech/Elect Engineer
FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

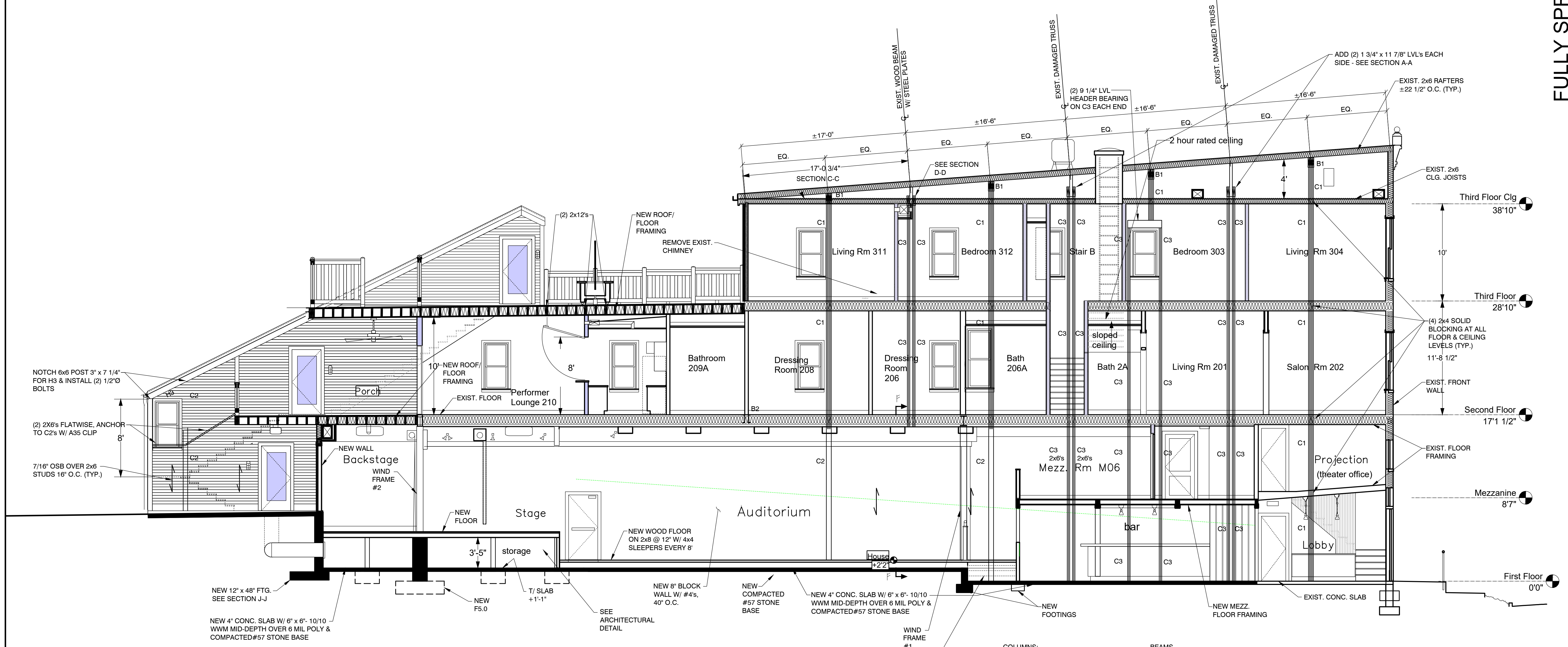
Structural Engineer
Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA
Grove & Dal'Onio Architects PLLC
Architecture Planning Interiors Landscape AIA, LEED AP

Matthew W. Grove matthew@gdaia.com • GDAia.com
325 Migration Lane Gerandstown, WV 25420 304-267-2120
18 West Bowman Street Winchester, VA 22601 540-773-2328

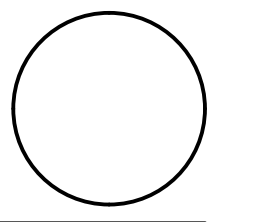
Issue/Revision	Seal
JUNE 12, 2020	ISSUED FOR BID
Drawing Title	BUILDING SECTION
Date	APRIL 30, 2020
Scale	As Noted
Drawing Number	Project Number 19820

S.3



1 BUILDING SECTION
Scale: 3/16" = 1'-0"

- COLUMNS:**
C1 - (4) 2x4's, NAILED & GLUED
C2 - 6x6 POST
C3 - (2) 2x4's / 2x6's
C4 - W6x25
C5 - W12x40
- BEAMS:**
B1 - (4) 1 3/4" x 11 7/8" LVL's
B2 - ADD (2) C10x15.3's BOLTED
B3 - (2) 1 3/4" x 11 7/8" LVL's W/ (3) 16d's, 12" O.C.
B4 - (2) 1 3/4" x 11 1/4" LVL's W/ (3) 16d's, 12" O.C.
B5 - (2) 2x12's



NORTH (building)

Shepherdstown Opera House RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE LLC

Stephen & Harriet Pearson



Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Landscape
IAA, LEED AP

Grove & Dall'Olio Architects PLLC
Matthew W. Grove matthew@gdaia.com • GDAia.com

325 Migration Lane Gerrardstown, WV, 25420 304-267-2120
18 West Bowman Street Winchester, VA 22601 540-773-2328

Issue/Revision	Seal
JUNE 12, 2020	ISSUED FOR BID

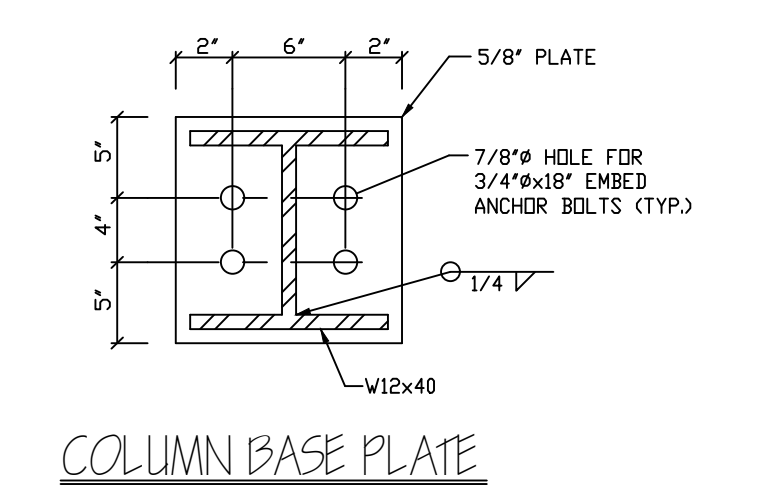
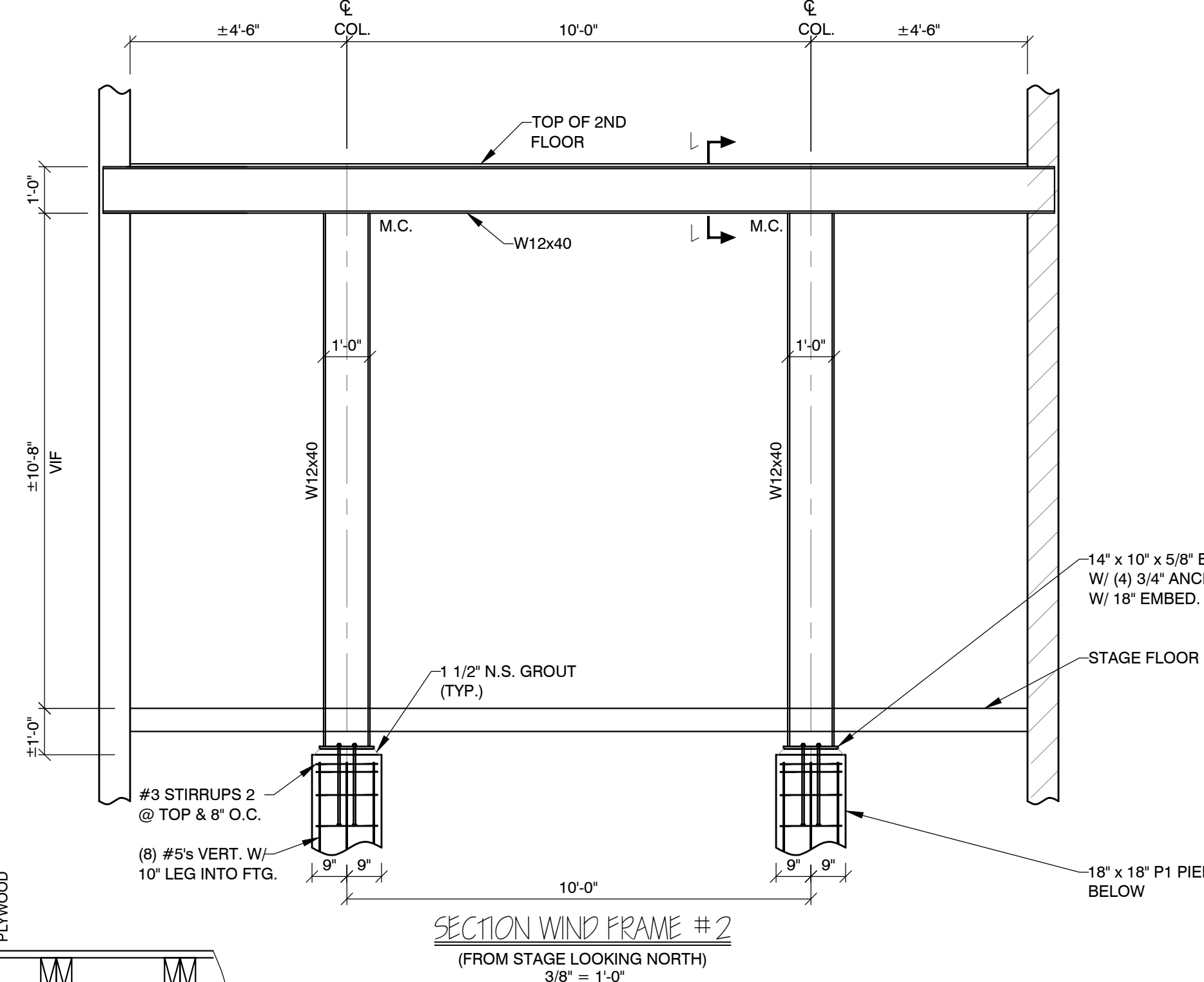
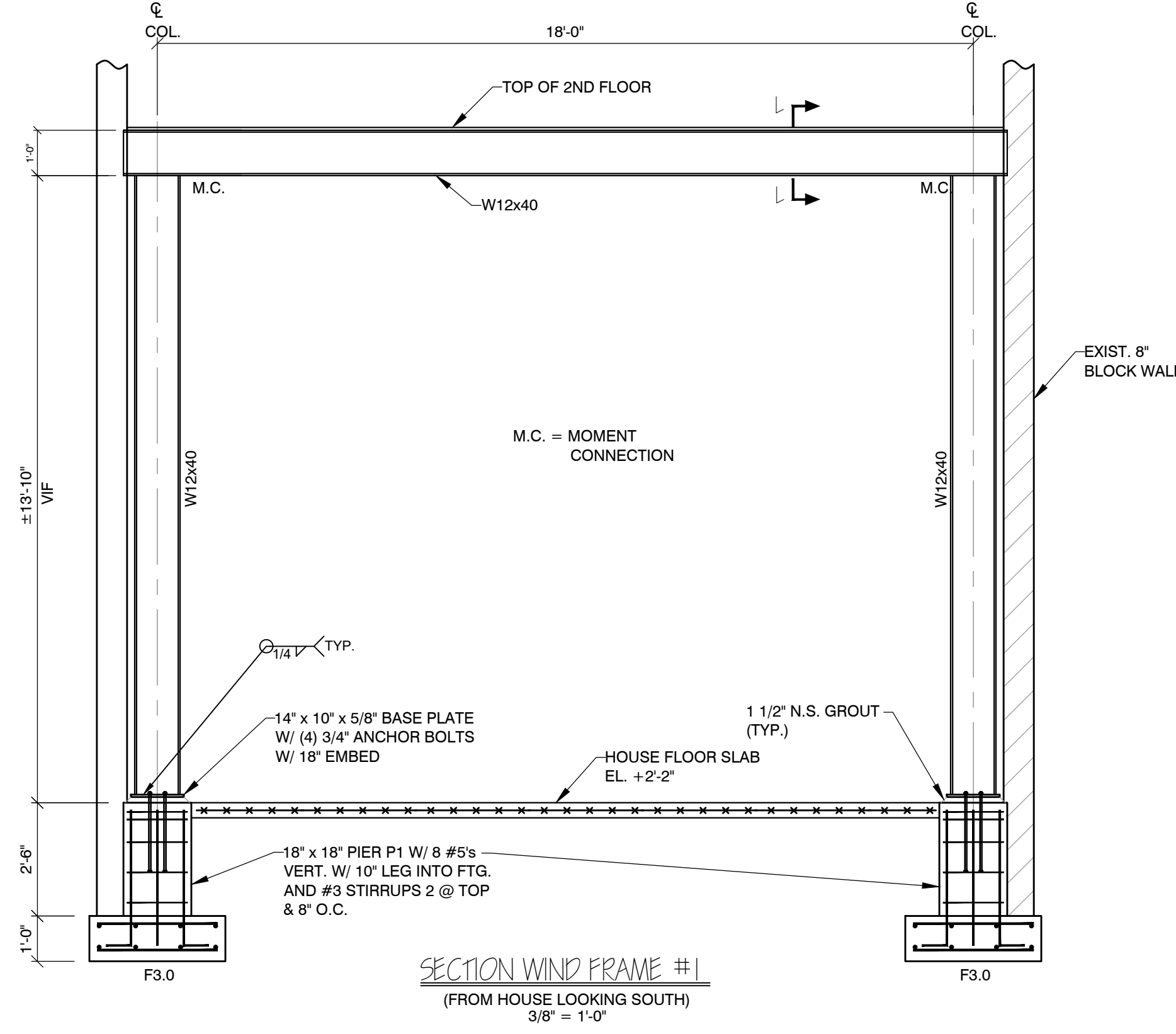
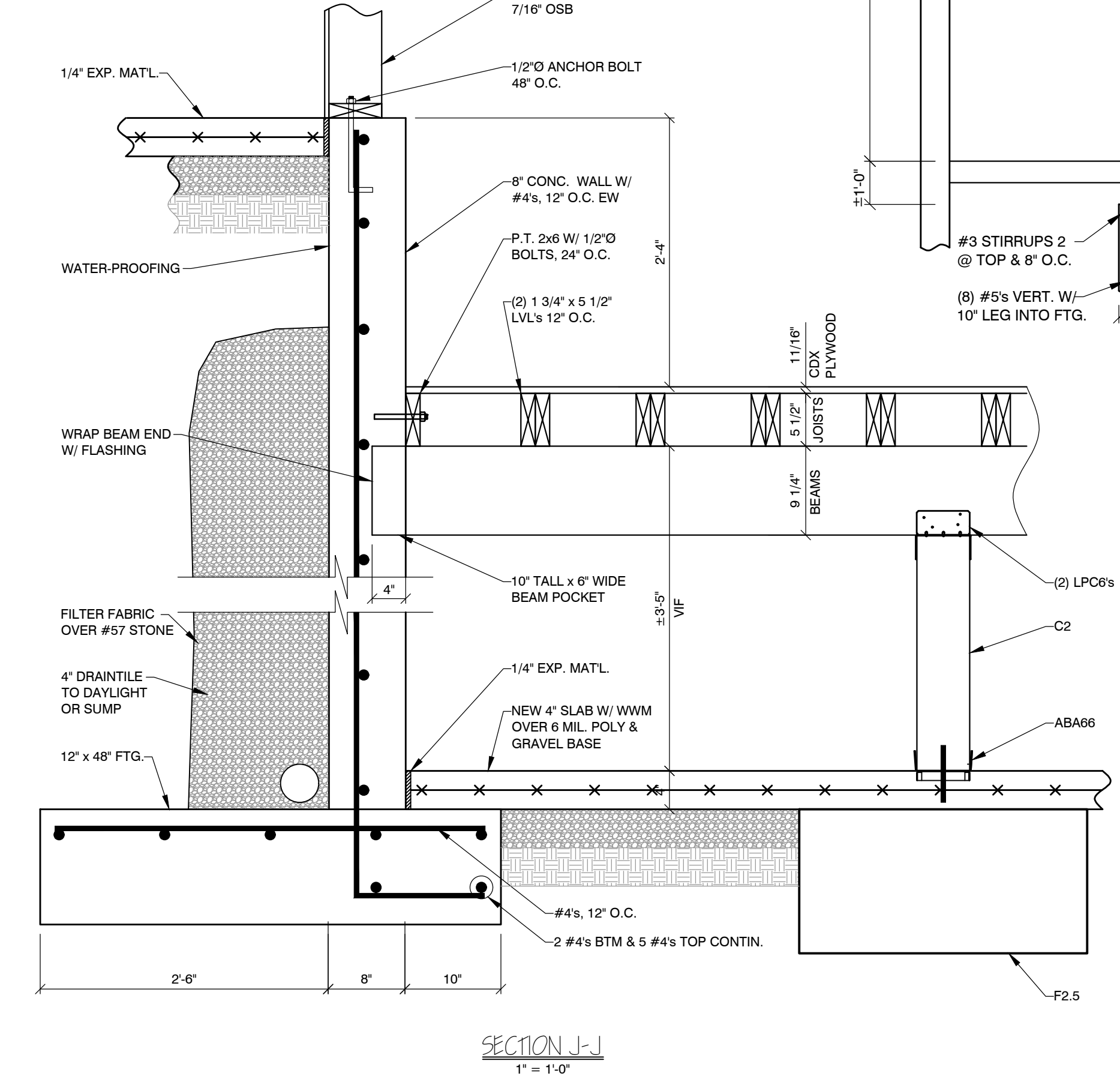
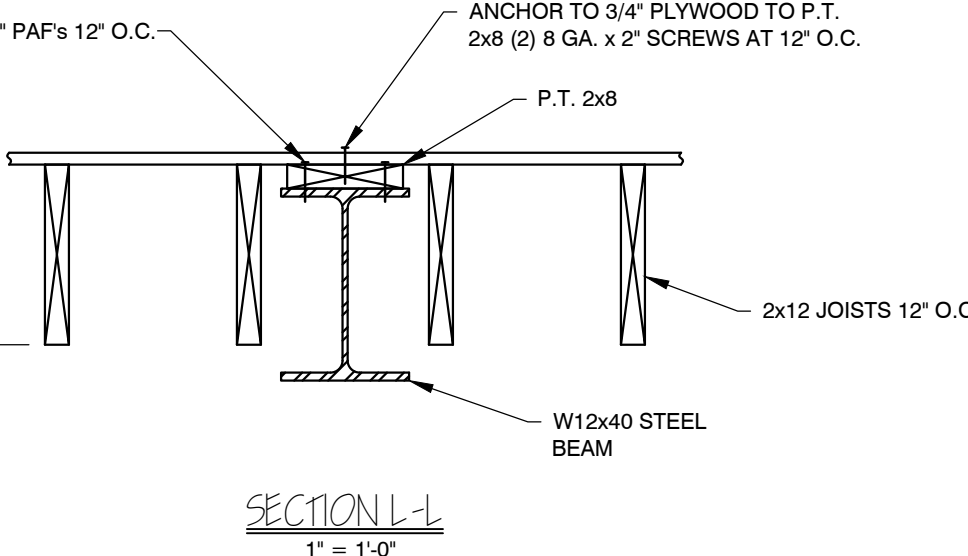
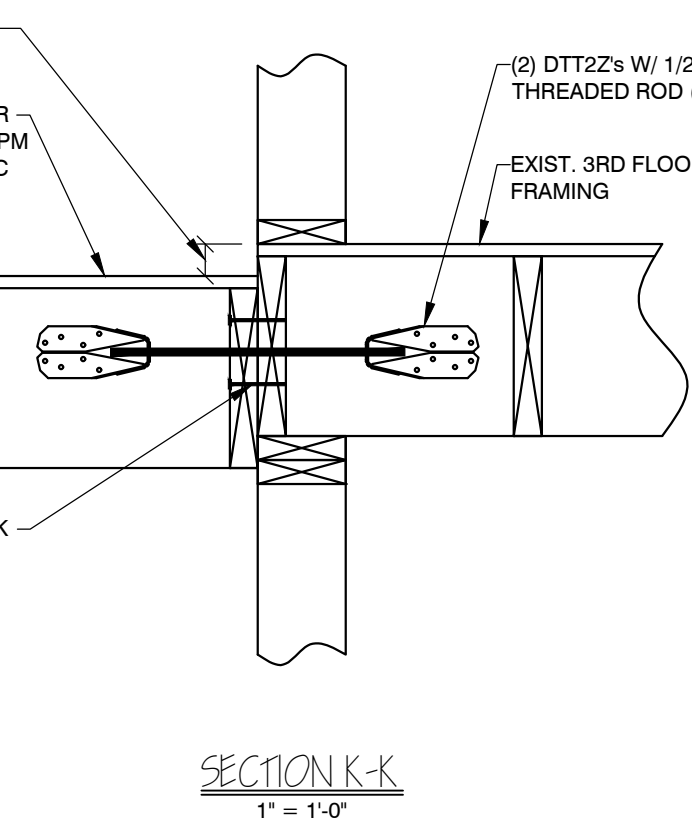
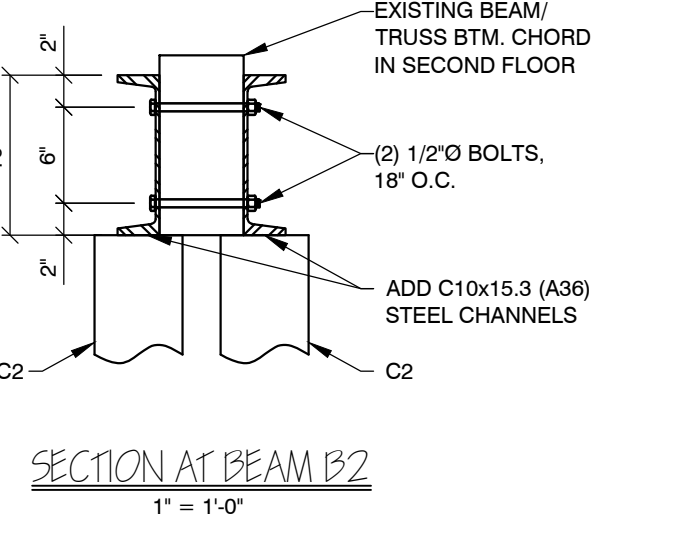
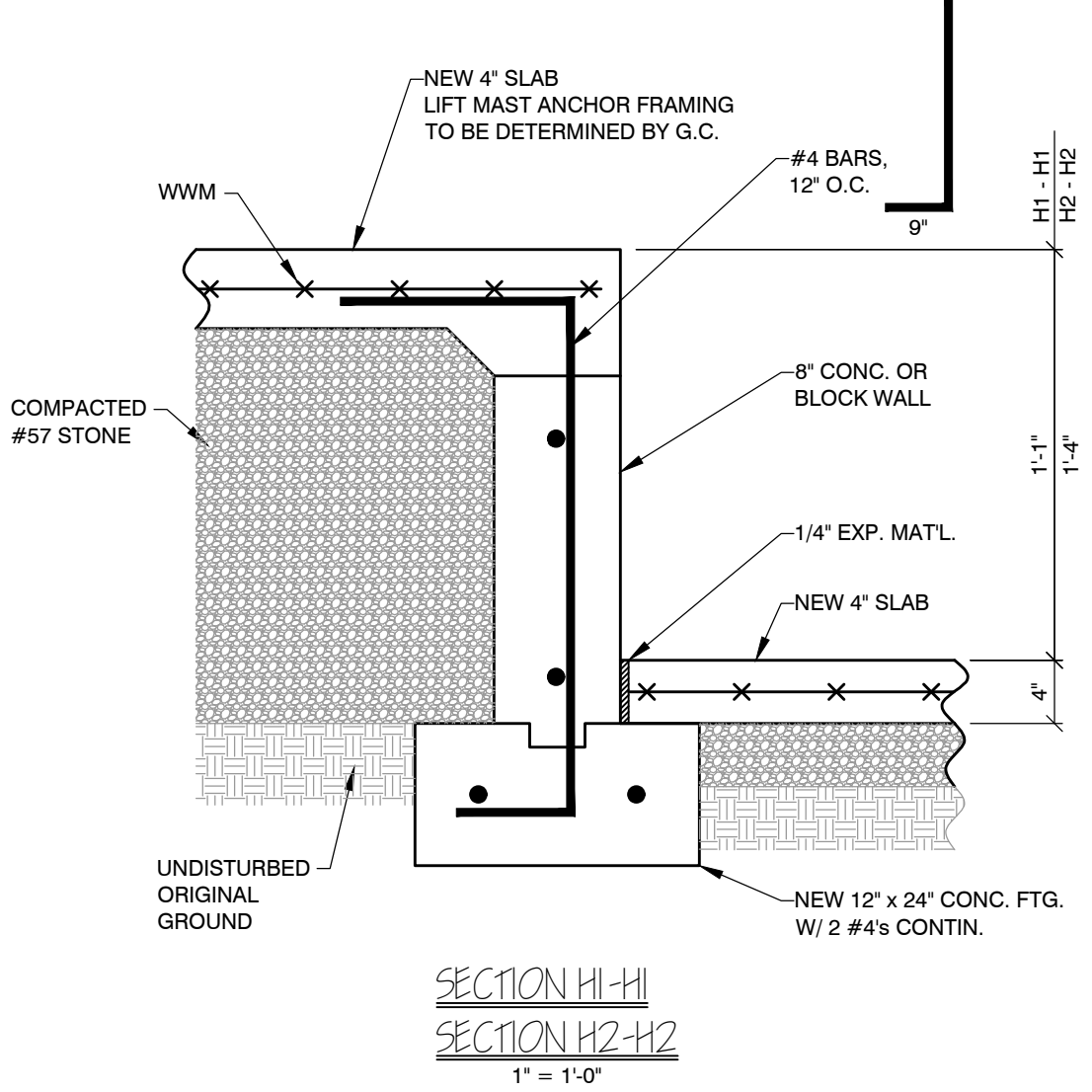
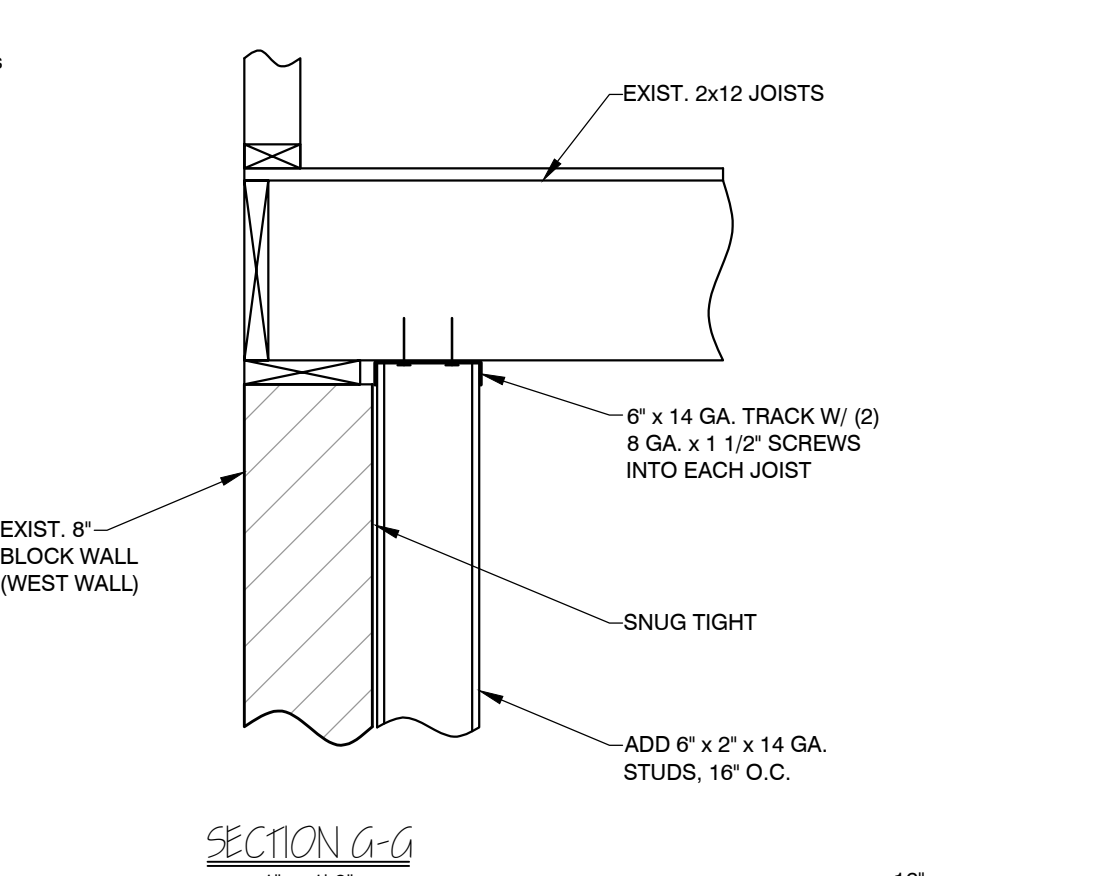
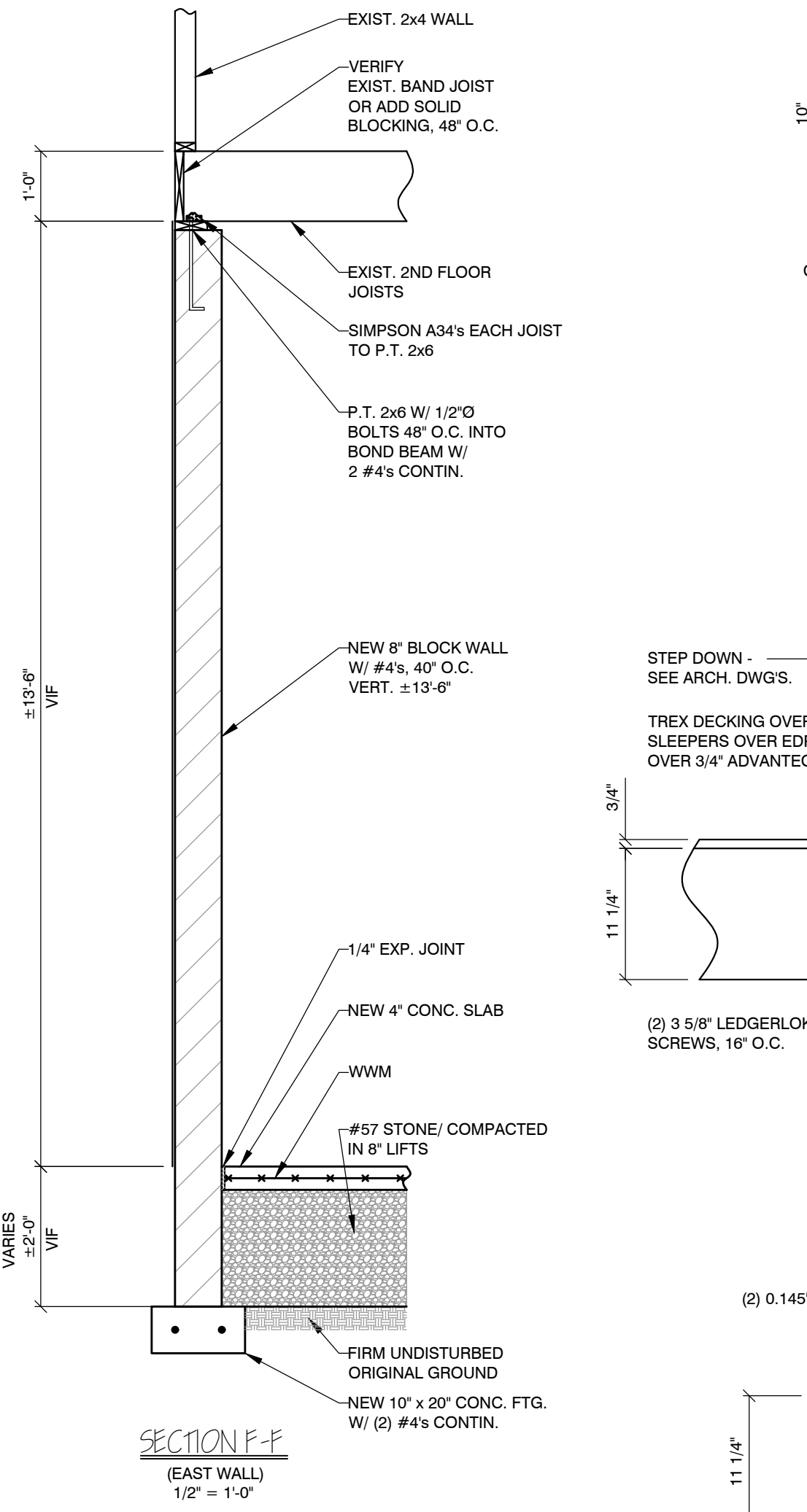
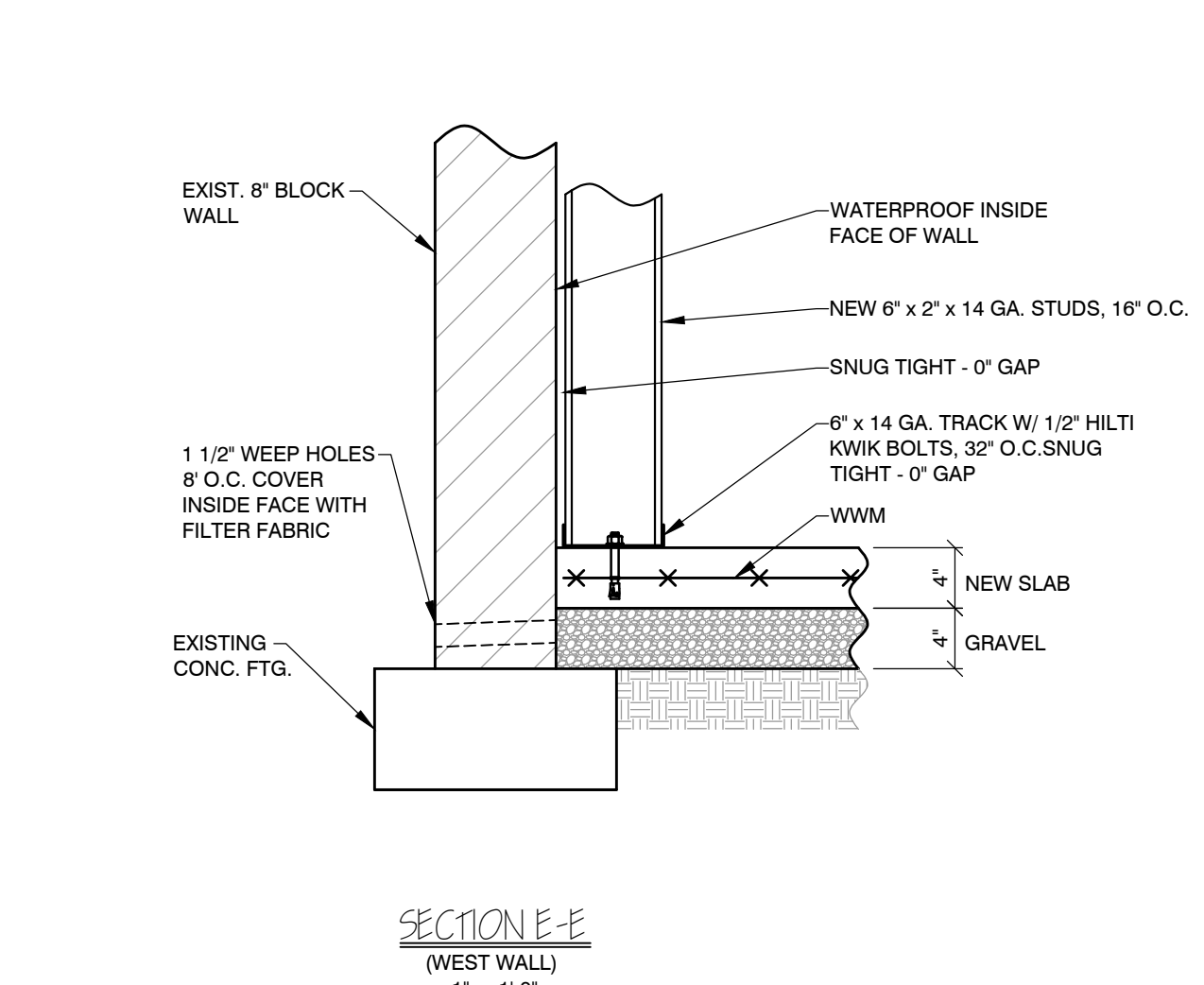
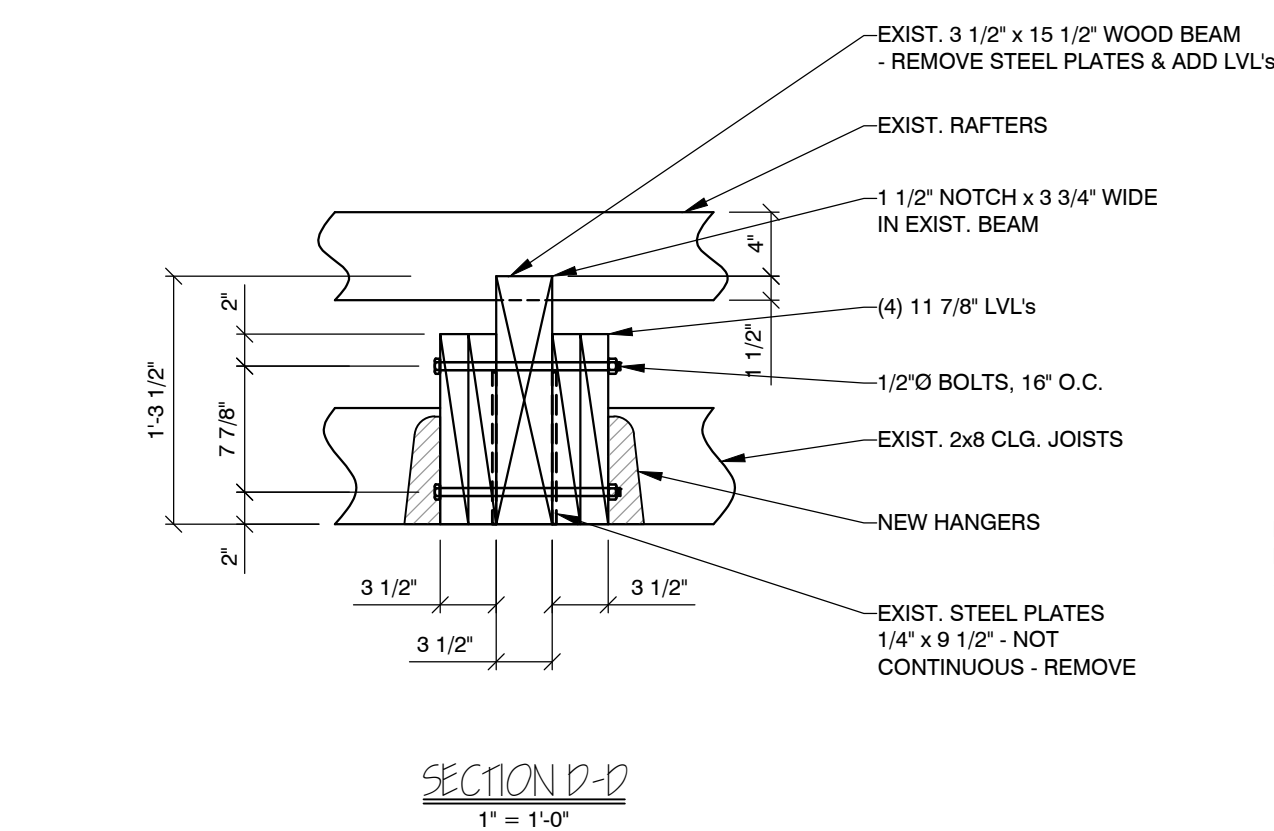
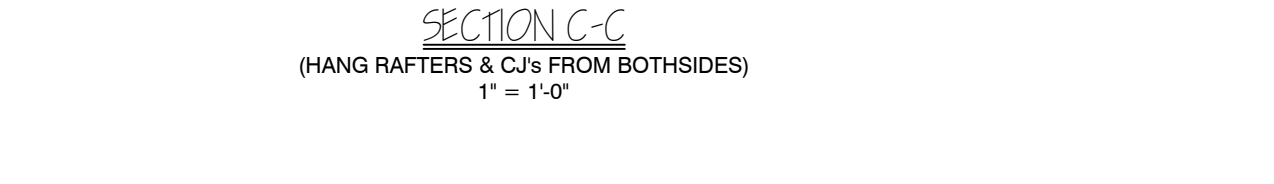
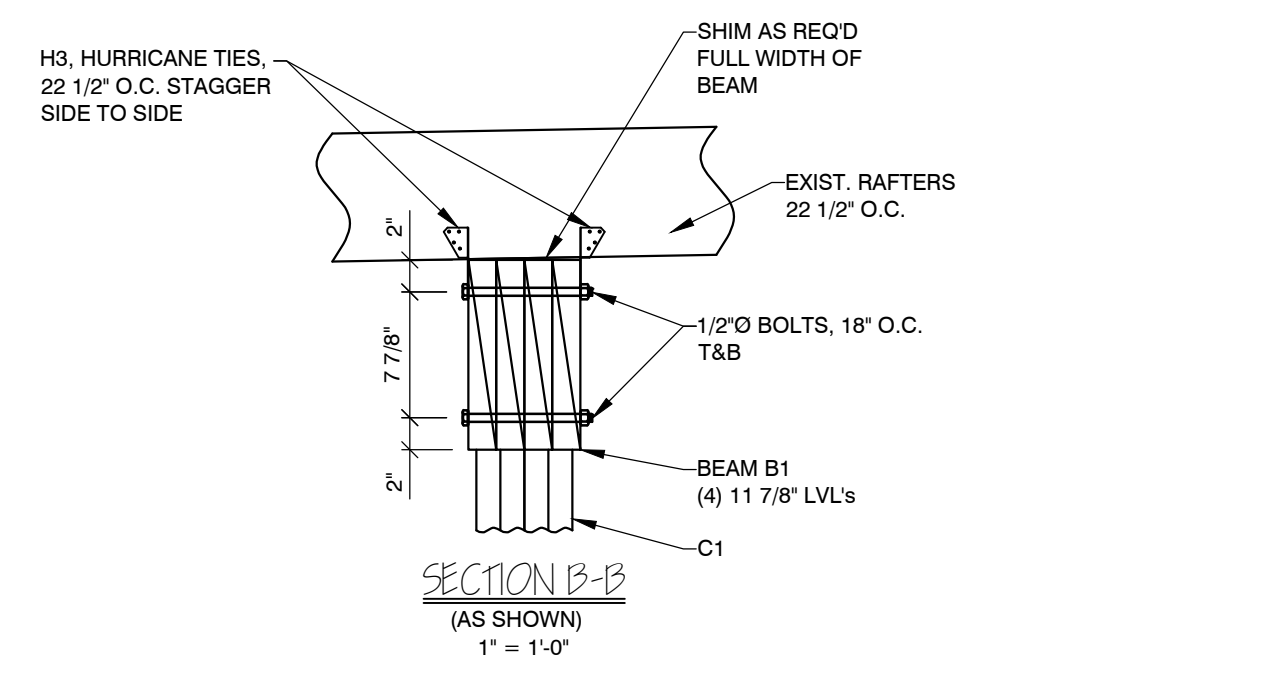
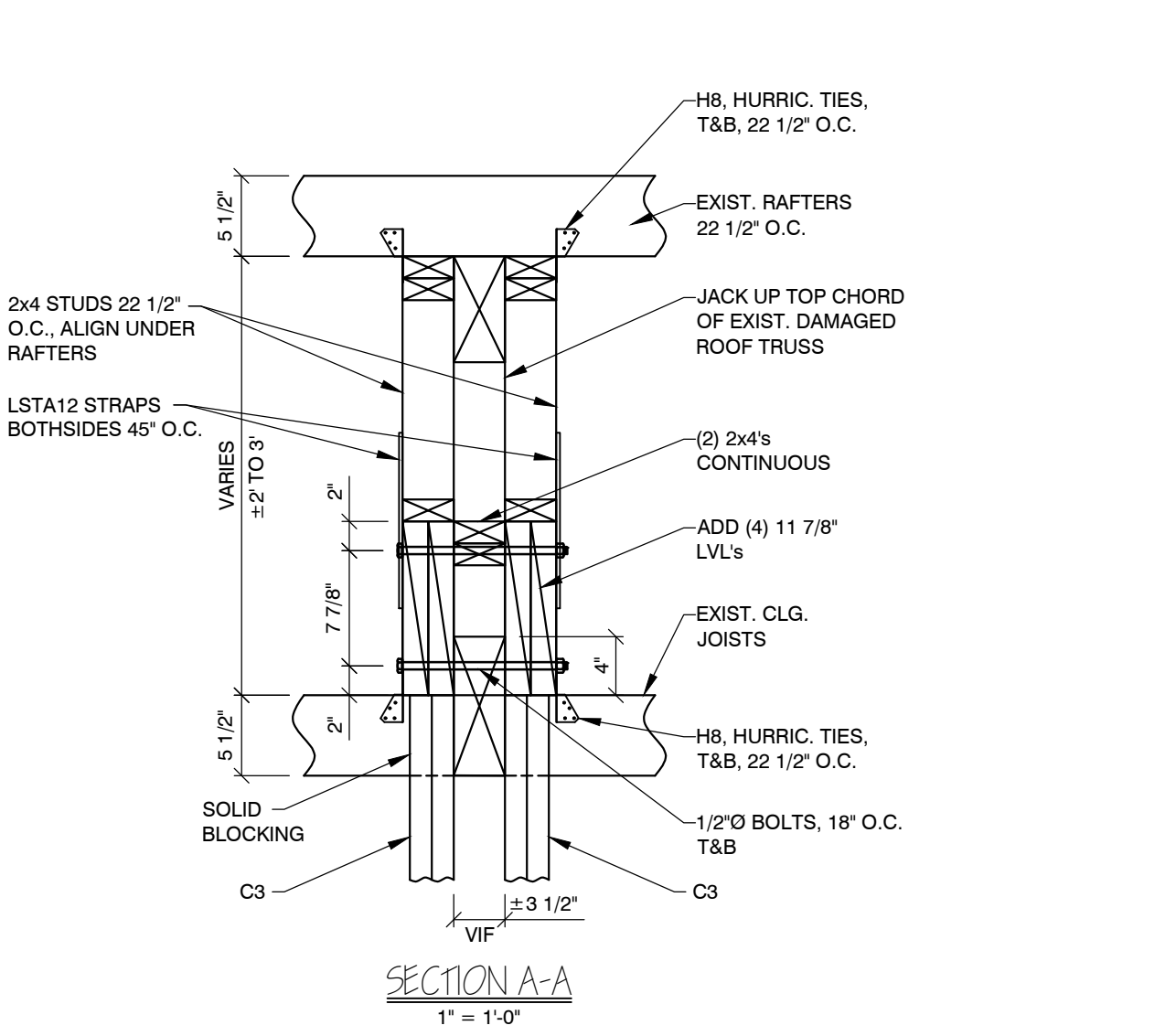
Drawing Title

DETAILS

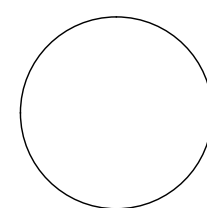
Date	APRIL 30, 2020
Scale	As Noted
Drawing Number	Project Number 19820

S.4

FULLY SPRINKLERED BUILDING



P:\2020 Projects\Structural\GDA Opera House Shepherdstown\Details.dwg, 07/11/2020 5:33:48 PM



NORTH (building)

Shepherdstown Opera House RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape
Grove & Dall'Olio Architects PLLC
AIA, LEED AP

Matthew W. Grove matthew@gdaia.com • GDAia.com

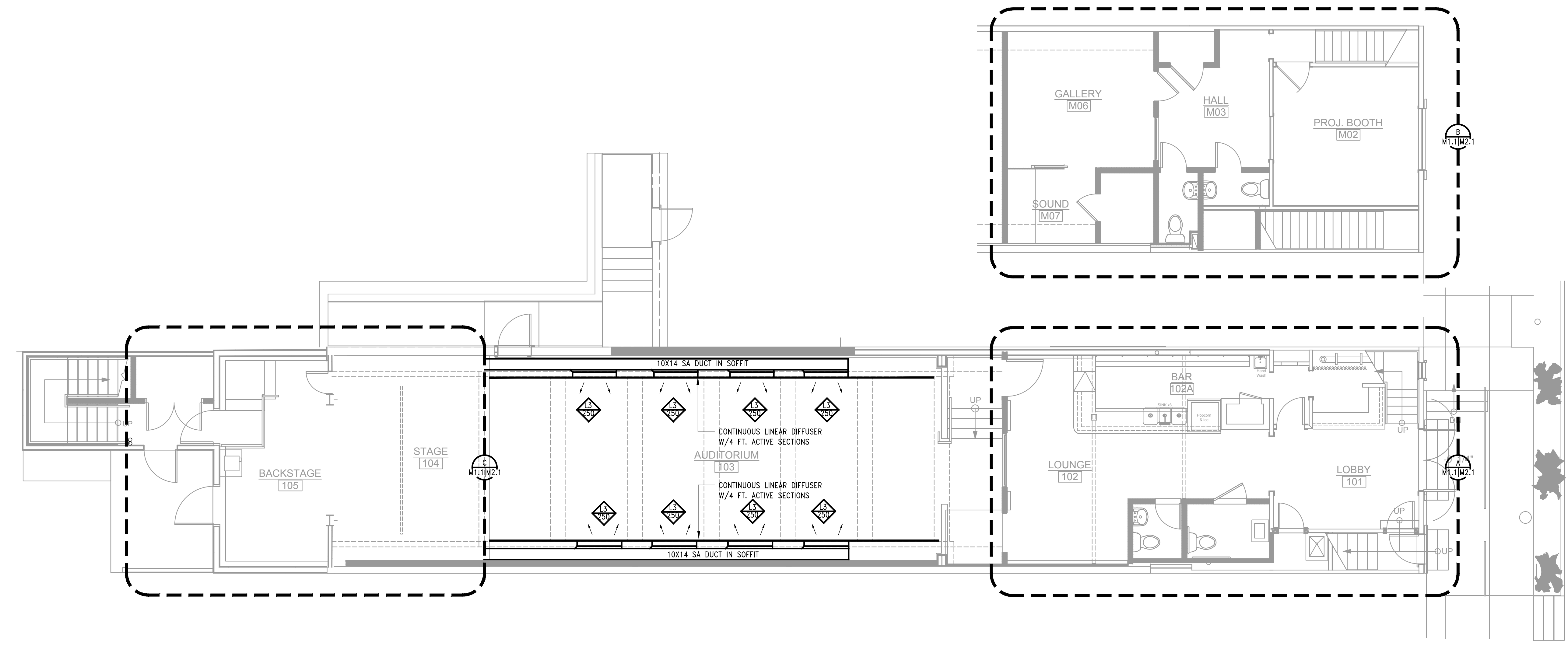
325 Migration Lane Gerardsville, WV 25420 304-267-2120
18 West Boscawen Street Winchester, VA 22601 540-773-2328

Issue/Revision	Seal

MAIN LEVEL AND MEZZANINE FLOOR PLANS

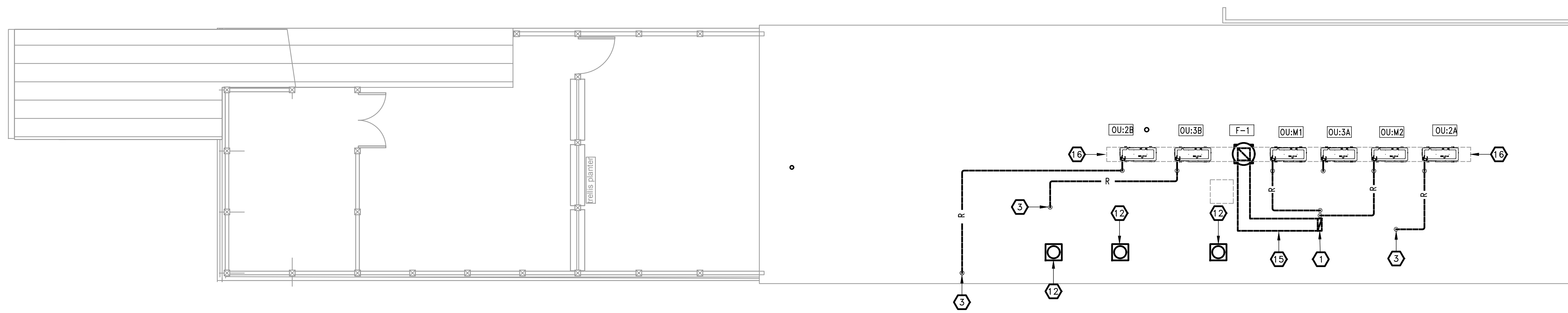
Date: JUNE 04, 2020
Scale: As Noted
Project Number: 19820
Drawing Number

M1.1

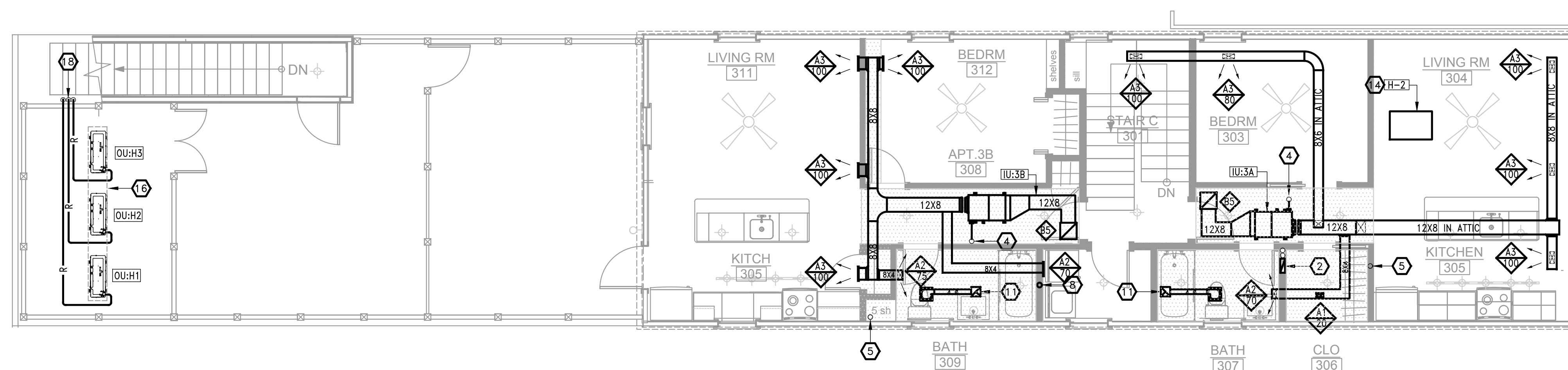


MAIN LEVEL AND MEZZANINE FLOOR PLANS

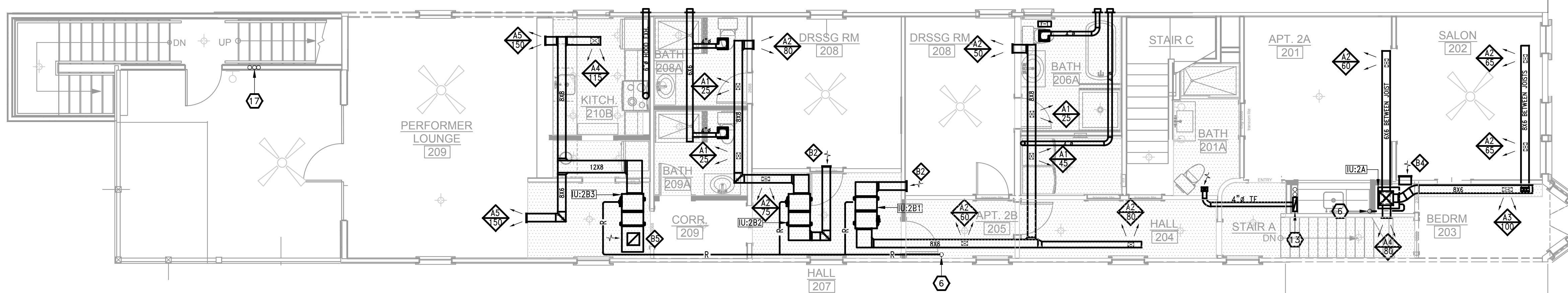
SCALE: 3/16" = 1'-0"



ROOF PLAN
SCALE: 3/16" = 1'-0"



THIRD FLOOR PLAN
SCALE: 3/16" = 1'-0"



SECOND FLOOR PLAN
SCALE: 3/16" = 1'-0"

KEYED SHEET NOTES

1. 12"x4" TOILET EXHAUST DUCT DOWN.
2. 12"x4" UP TO ATTIC AND DOWN TO 2ND FLOOR.
3. REFRIGERANT LINES DOWN THROUGH ATTIC FLOOR
4. REFRIGERANT LINES UP TO ATTIC SPACE
5. REFRIGERANT LINES UP TO TO ATTIC AND DOWN TO 2ND FLOOR
6. REFRIGERANT LINES UP TO 3RD FLOOR
7. REFRIGERANT LINES IN ATTIC (TYPICAL)
8. 4" DRYER VENT UP THROUGH ROOF TO ROOF CAP.
9. NOT USED.
10. NOT USED
11. 8"x8" TOILET EXHAUST DUCT UP TO ROOF CAP.
12. EXHAUST ROOF CAP - PENN VENTILATOR MODEL WCC06 MOUNTED ON COMPATIBLE 12" HIGH ROOF CURB (TYPICAL OF 3).
13. 14"x4" TOILET EXHAUST DUCT UP AND DOWN.
14. LOCATED IN ATTIC
15. 12"x4" TOILET EXHAUST DUCT IN ATTIC
16. MOUNT CONDENSING UNITS ON FIELD FABRICATED RACK (FABRICATED FROM STEEL ANGLES OR TREATED WOOD - CONTRACTOR TO SUBMIT RACK DETAILS AS A SUBMITTAL FOR REVIEW BY AE TEAM.
17. THREE SETS OF REFRIGERANT LINES UP AND DOWN - REFER TO M3.1 FOR SIZING.
18. THREES SETS OF REFRIGERANT LINES DOWN - REFER TO M3.1 FOR SIZING.

NORTH (building)

Shepherdstown
Opera
House
RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

**OPERA
HOUSE
ALIVE** LLC

Stephen & Harriet Pearson

Mech/Elect Engineer

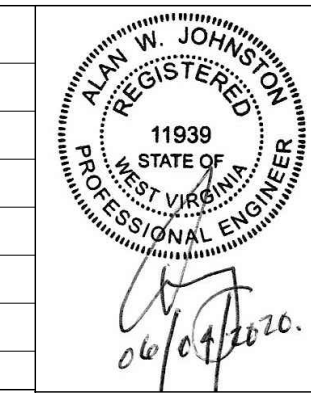
FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape
Grove & Dall'Otto Architects p.l.l.c.
Matthew W. Grove matthew@gdaaia.com • GDAaia.com
325 Migration Lane Gerandstown, WV 25420 304-267-2120
10 West Boscawen Street Winchester, VA 22601 540-773-2328

Issue/Revision	Seal



Drawing Title

**2ND & 3RD
FLOOR PLANS**

Date: JUNE 04, 2020
Scale: As Noted Project Number: 19820
Drawing Number:

M1.2

NORTH (building)

Shepherdstown Opera House RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

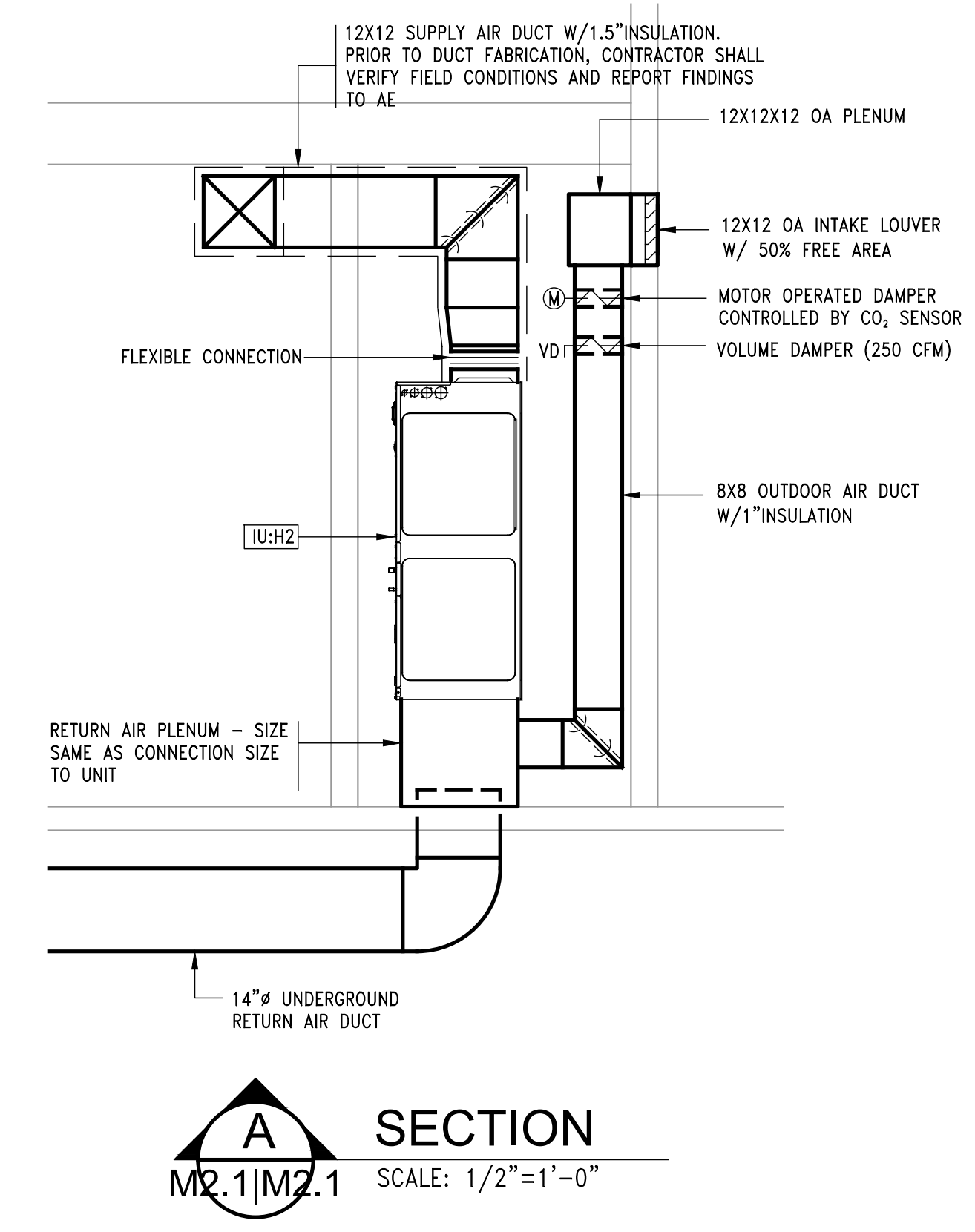
Owner
**OPERA
HOUSE
ALIVE** LLC
Stephen & Harriet Pearson

Mech/Elect Engineer
FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

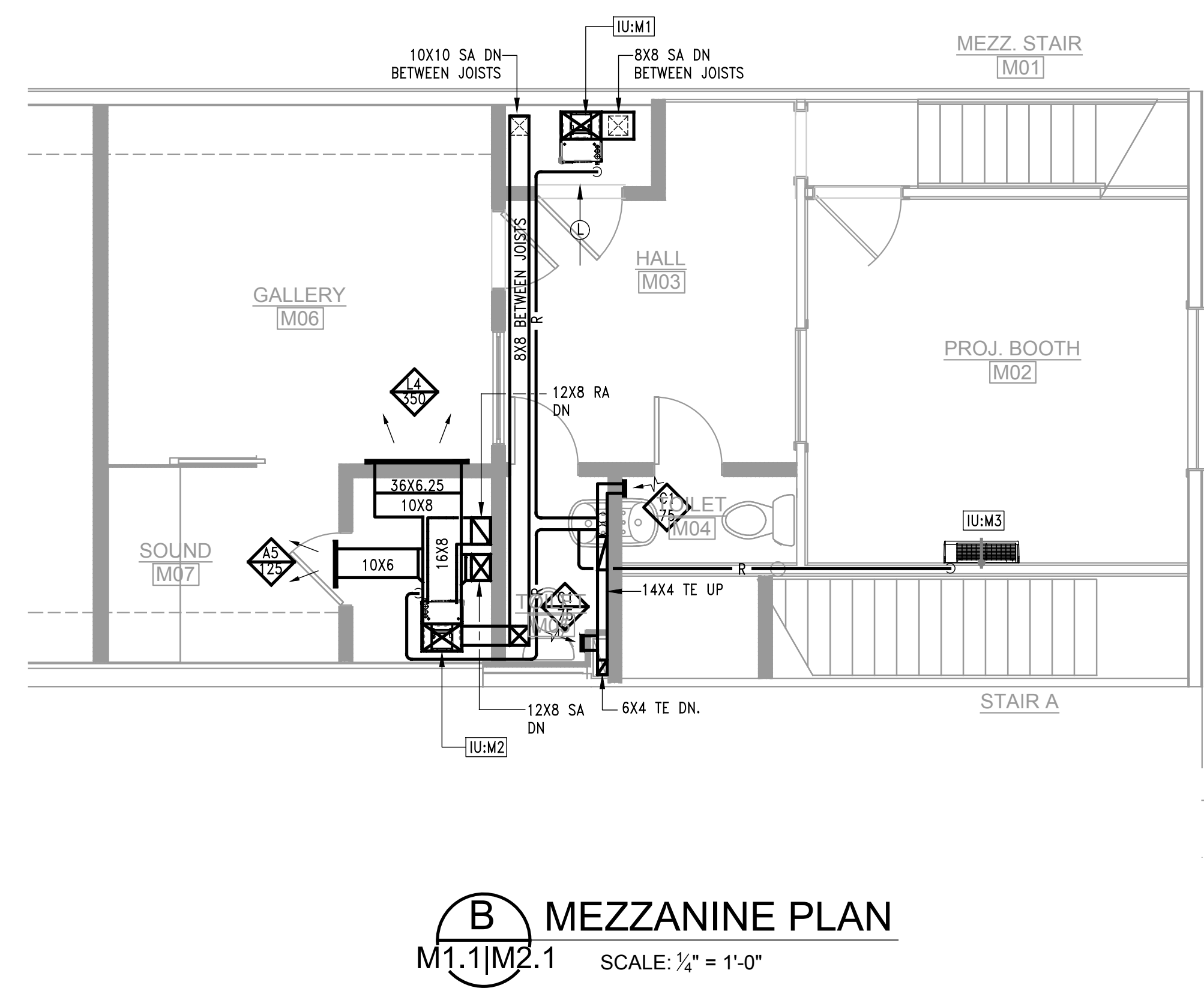
Structural Engineer
Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA

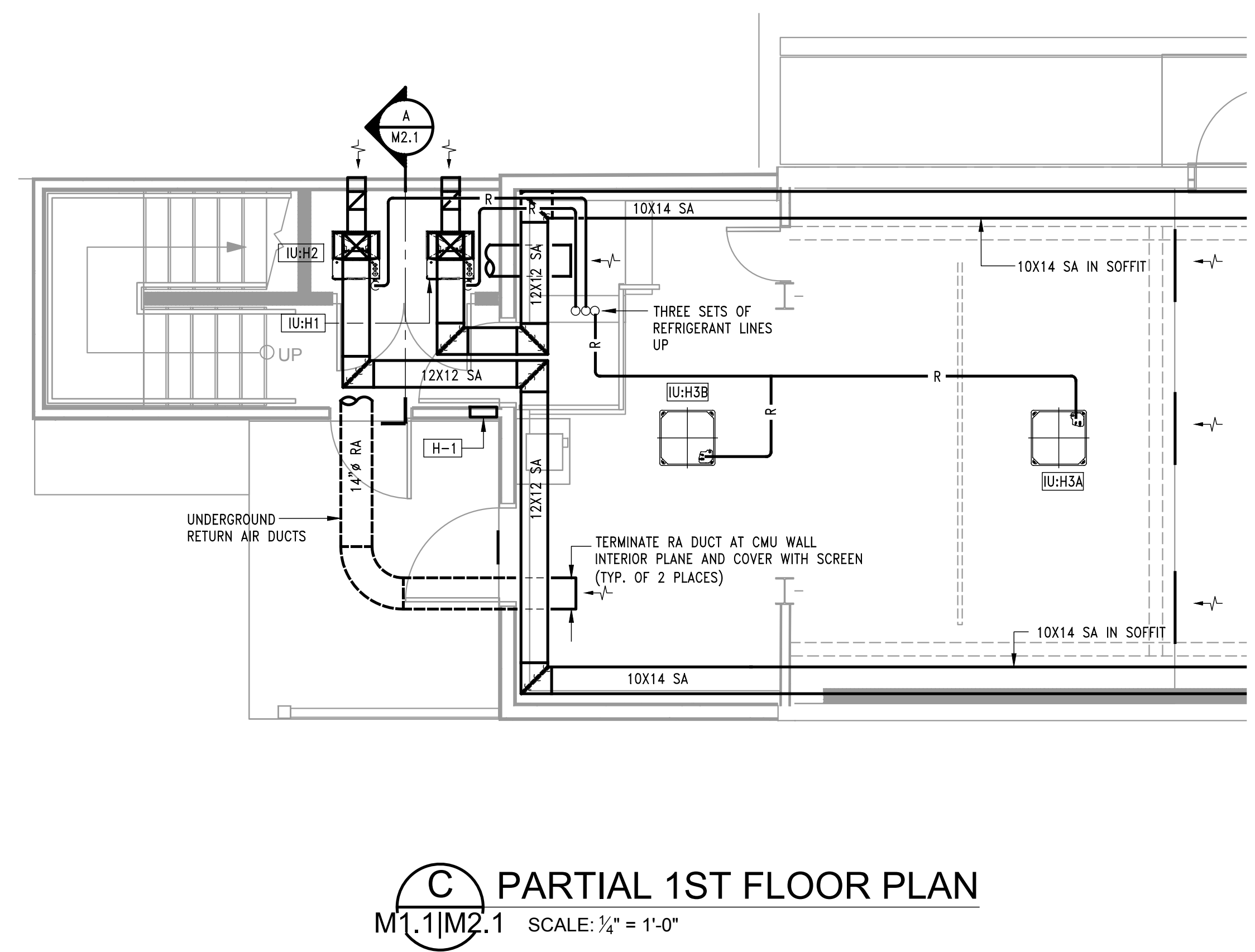
Architecture
Planning
Interiors
Landscape
Grove & Dall'Olio Architects PLLC
AIA, LEED AP
Matthew W. Grove matthew@gdaia.com • GDAia.com
325 Migration Lane Gerardsdown WV 25420 304-267-2120
18 West Boscawen Street Winchester VA 22601 540-773-2328



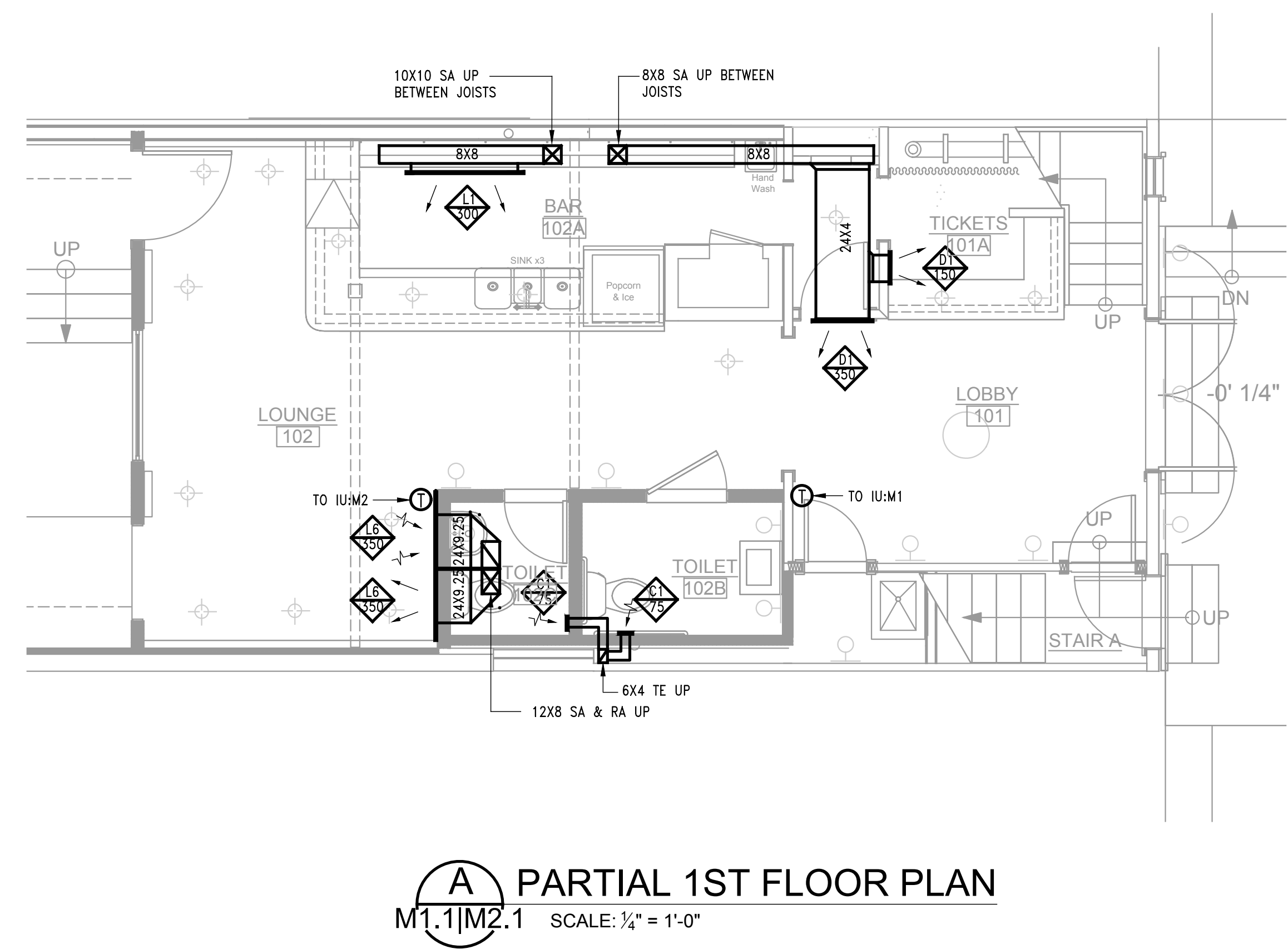
A SECTION
M2.1|M2.1 SCALE: 1/2" = 1'-0"



B MEZZANINE PLAN
M1.1|M2.1 SCALE: 1/4" = 1'-0"

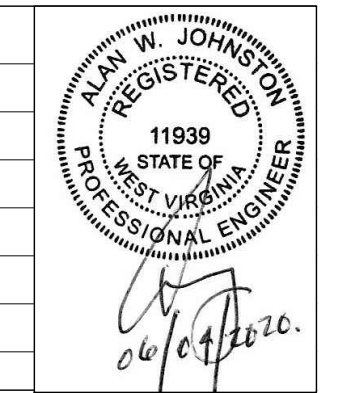


C PARTIAL 1ST FLOOR PLAN
M1.1|M2.1 SCALE: 1/4" = 1'-0"



A PARTIAL 1ST FLOOR PLAN
M1.1|M2.1 SCALE: 1/4" = 1'-0"

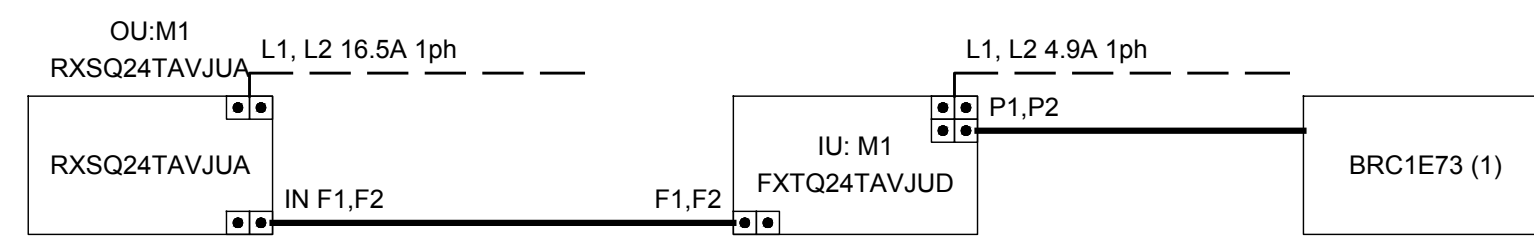
Issue/Revision	Seal



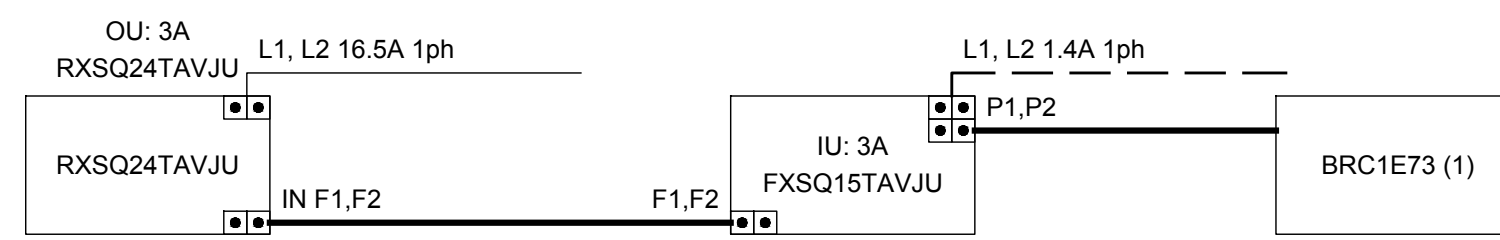
ENLARGED PARTIAL PLANS

Date: JUNE 04, 2020
Scale: As Noted
Project Number: 19820
Drawing Number:

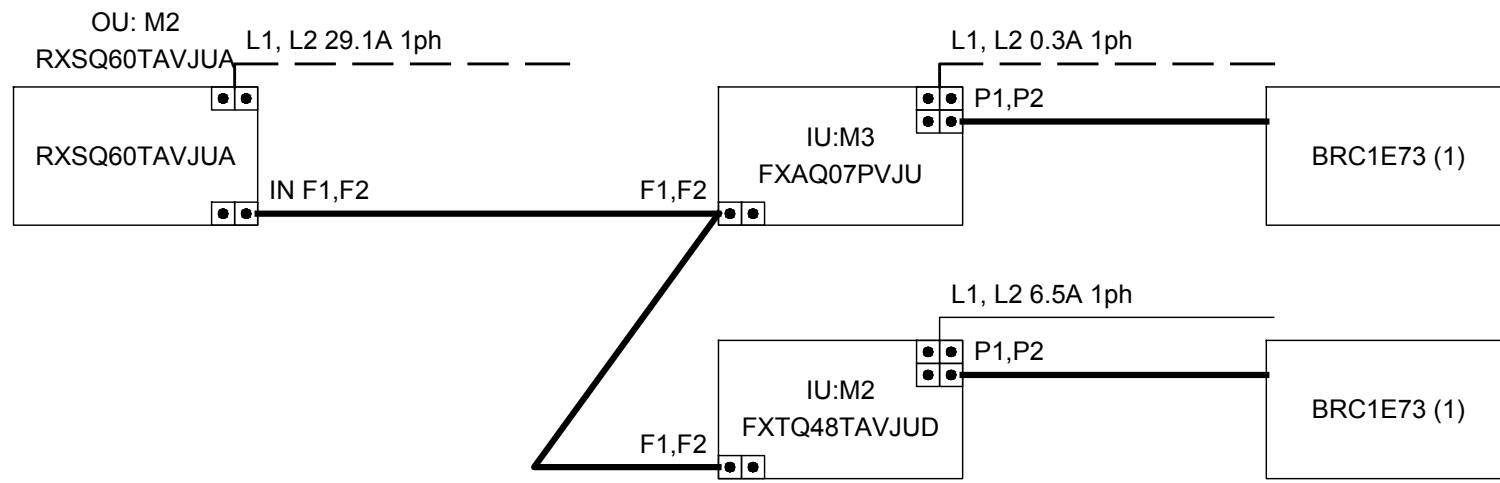
M2.1



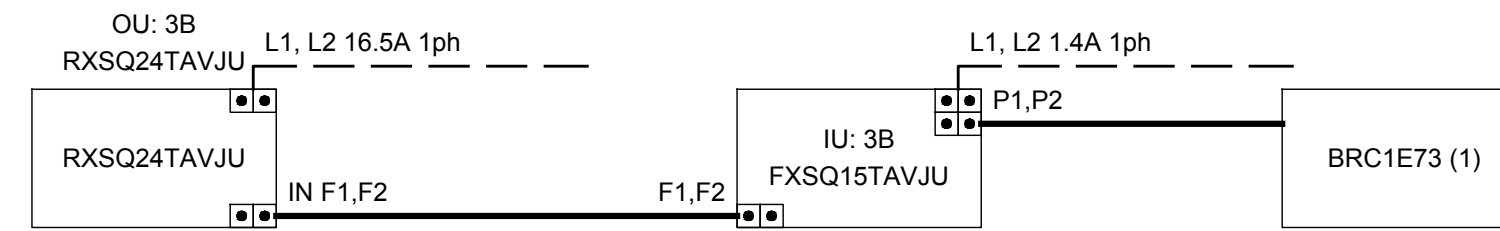
APARTMENT 3A



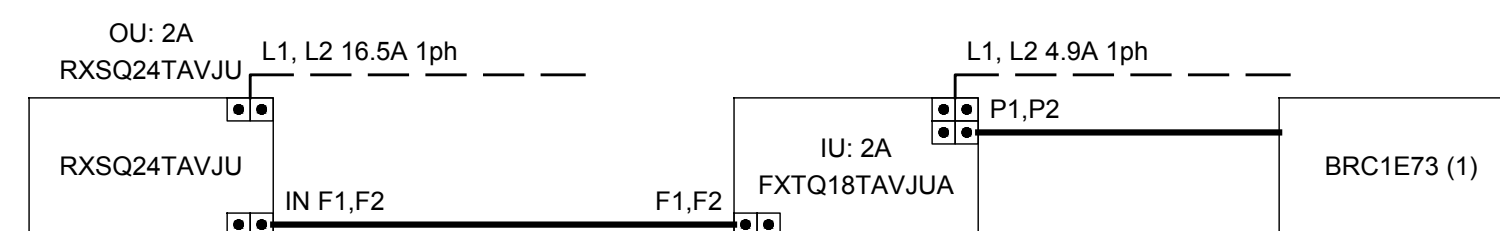
APARTMENT 3A



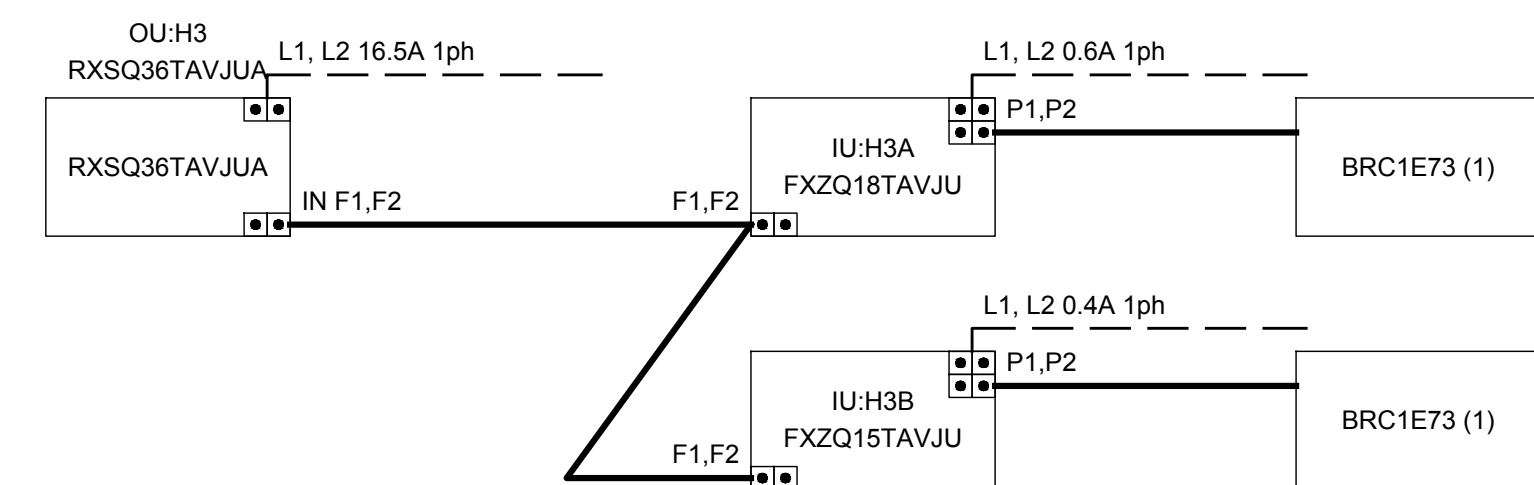
APARTMENT 2A



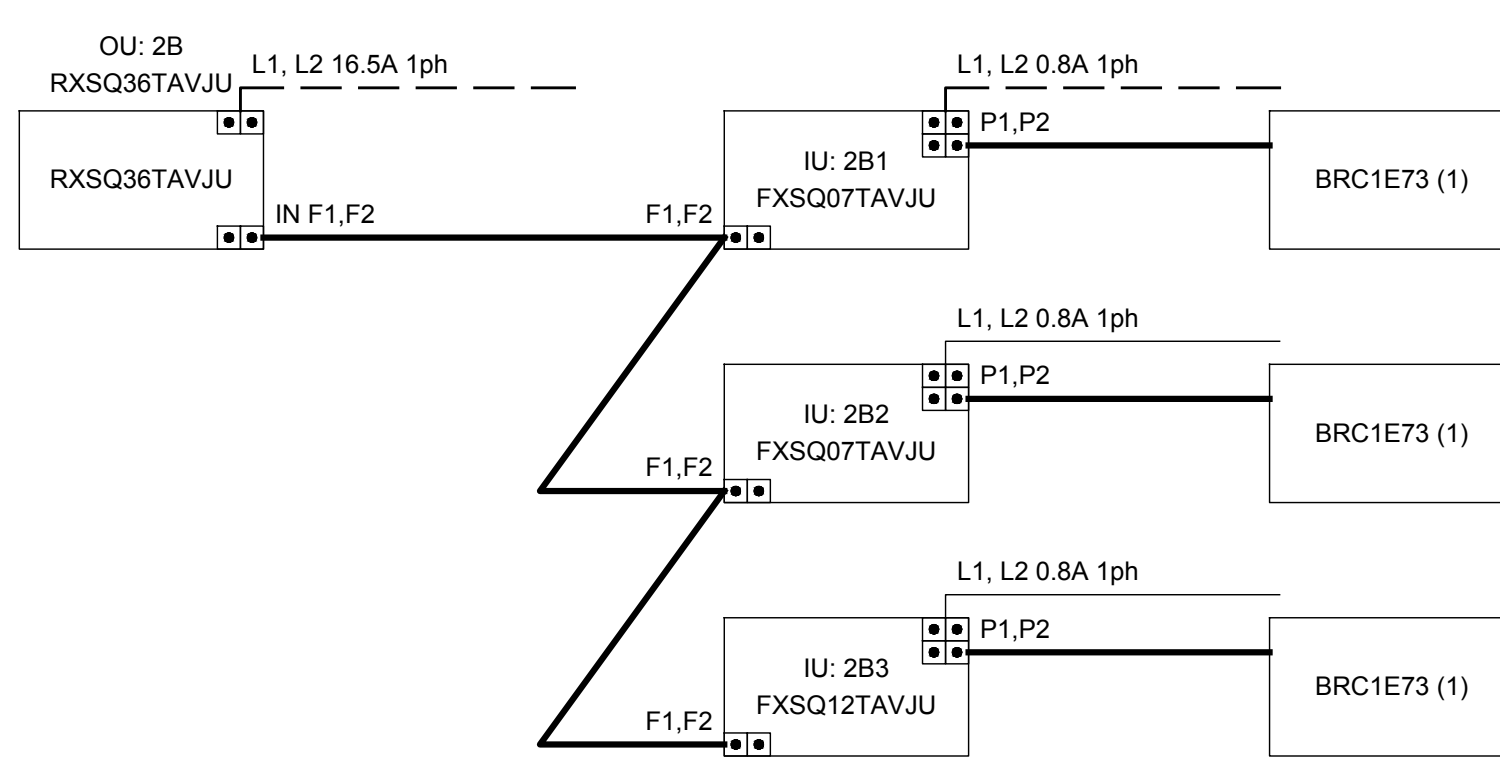
APARTMENT 3B



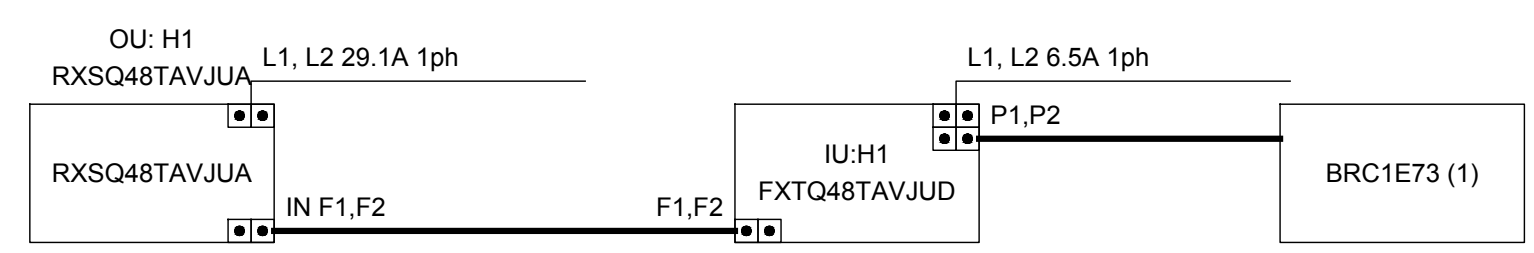
APARTMENT 2A



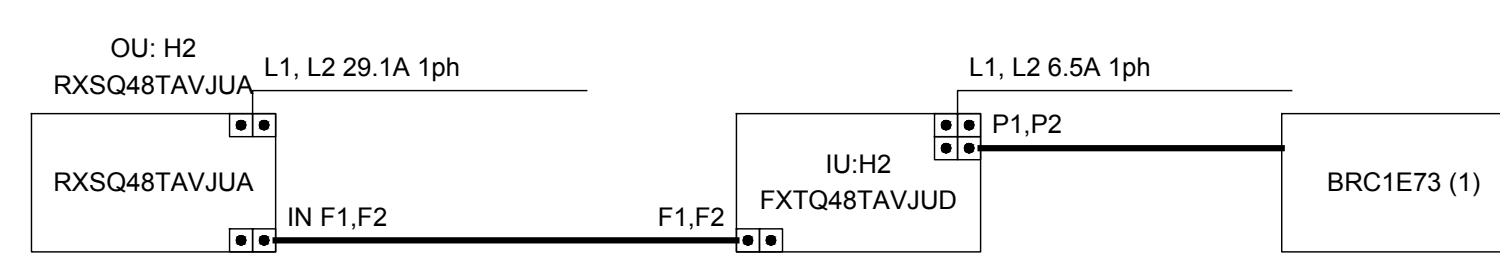
STAGE / BACKSTAGE SYSTEM



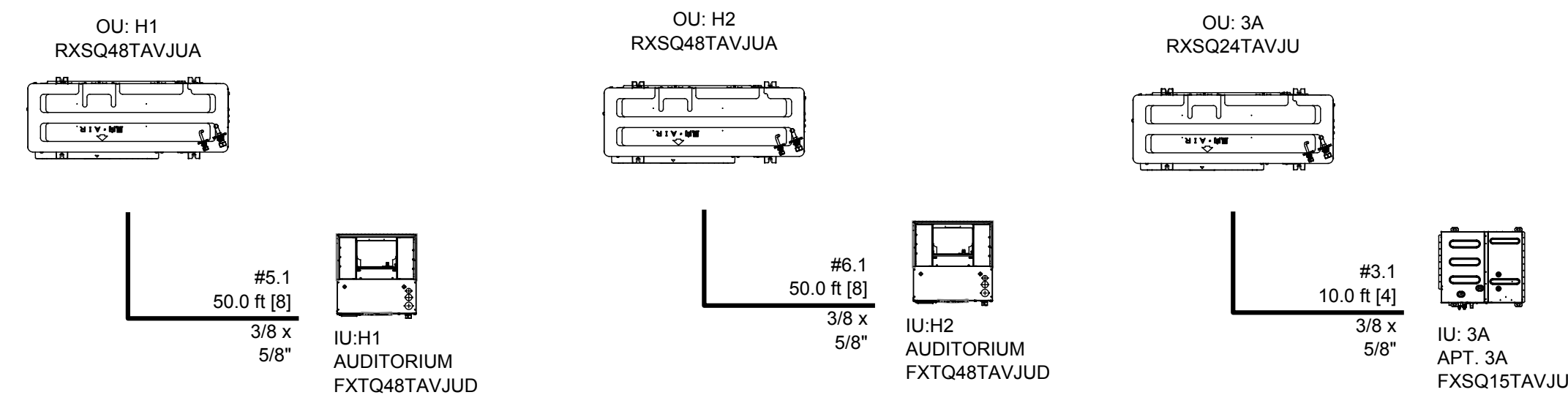
APARTMENT 2B



AUDITORIUM SYSTEM #1



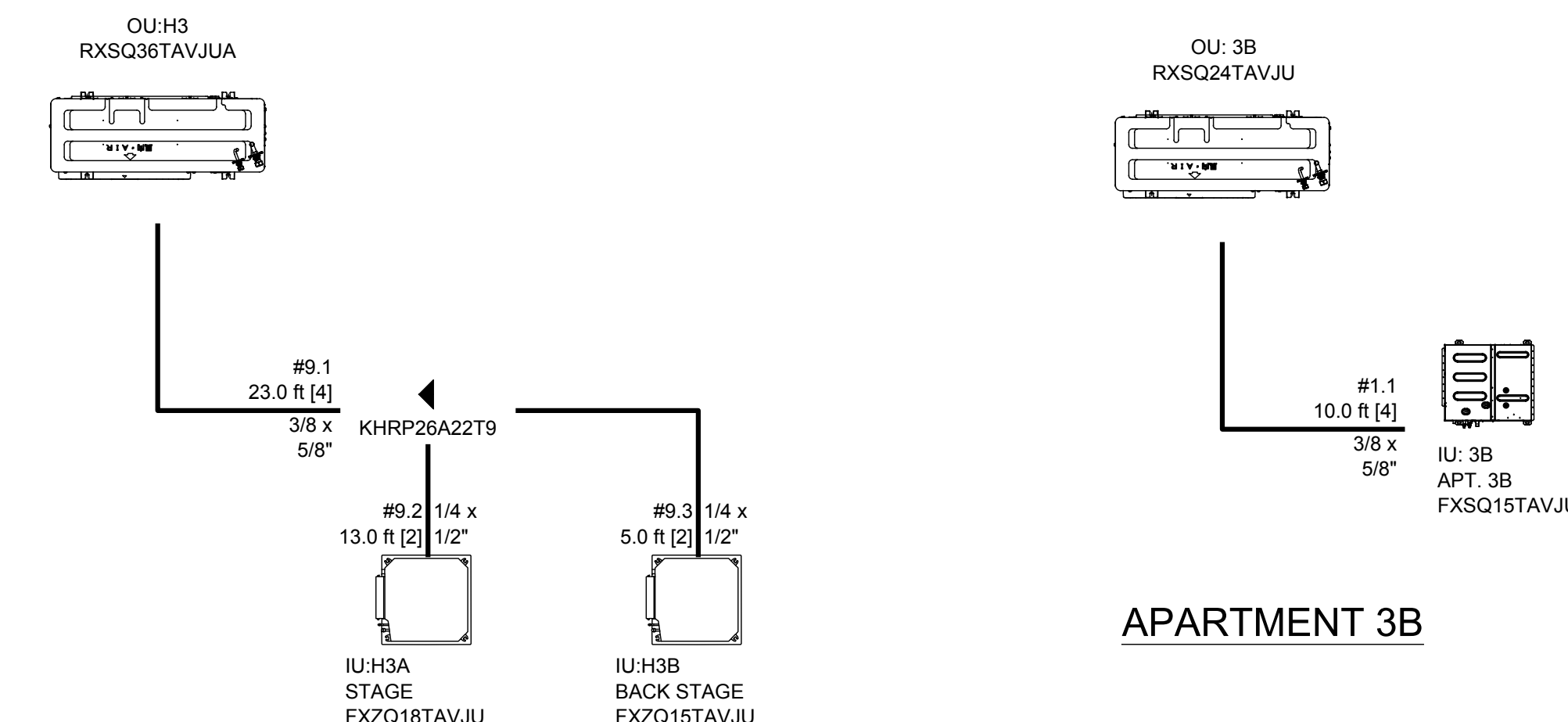
AUDITORIUM SYSTEM #2



AUDITORIUM SYSTEM #1

AUDITORIUM SYSTEM #2

APARTMENT 3A

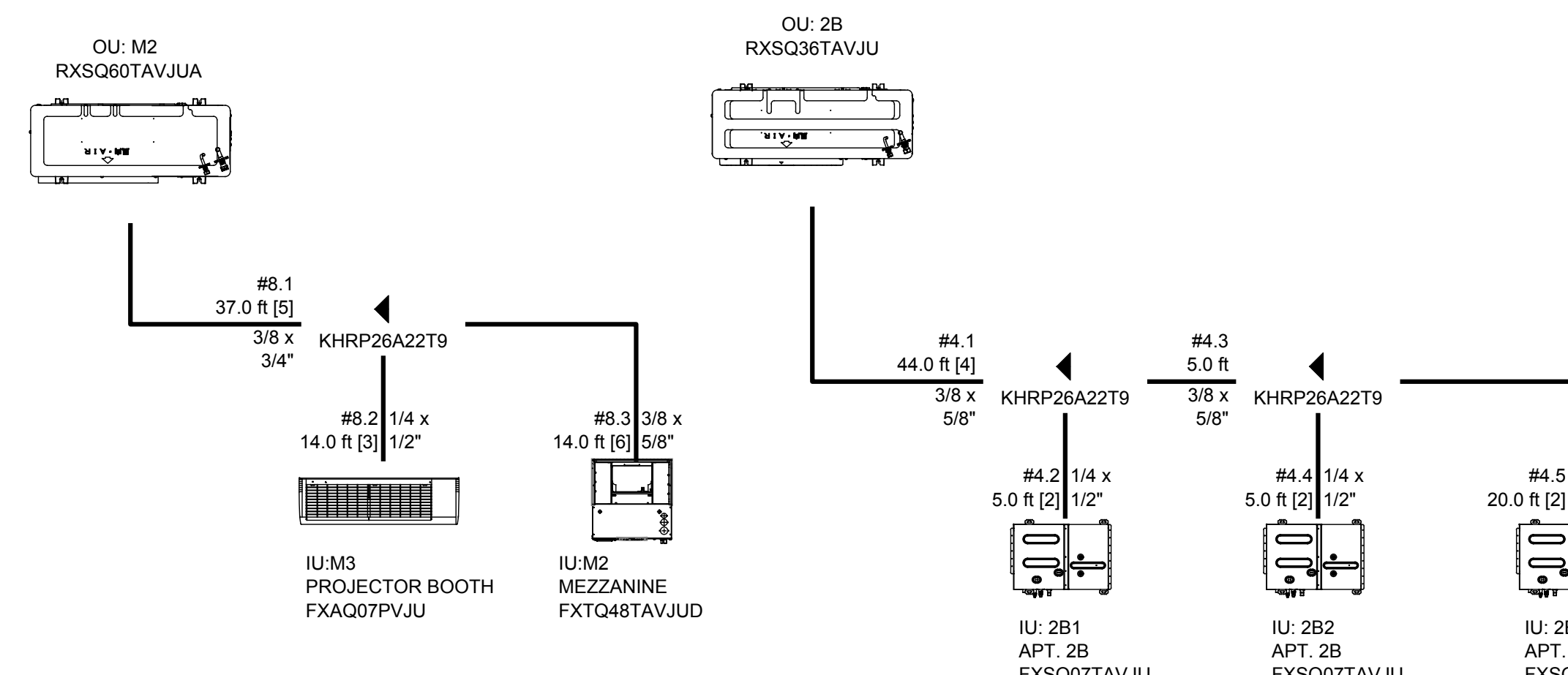


STAGE/BACK STAGE



MEZZANINE

APARTMENT 2A



MEZZANINE

APARTMENT 2B

VRV WIRING DIAGRAMS
SCALE: NONE

VRV REFRIGERANT PIPING DIAGRAMS
SCALE: NONE

NORTH (building)
Shepherdstown
Opera
House
RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner
OPERA HOUSE ALIVE LLC
Stephen & Harriet Pearson

Mech/Elect Engineer
FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

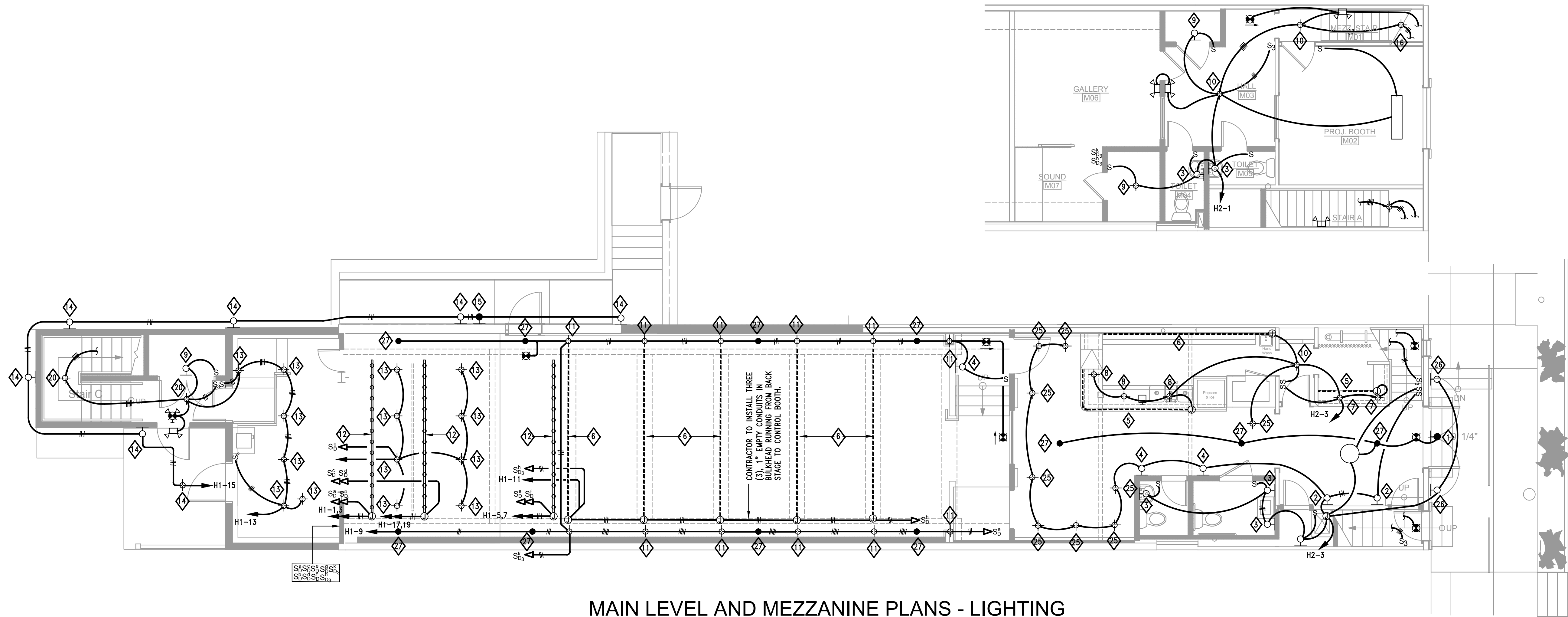
Structural Engineer
Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape
Grove & Dall'Otto Architects p.l.l.c. AIA, LEED AP
Matthew W. Grove matthew@gdaia.com • GDAia.com
325 Migration Lane Gerardsdown WV 25420 18 West Boscawen Street Winchester VA 22601
304-267-2120 540-773-2328

Issue/Revision	Seal

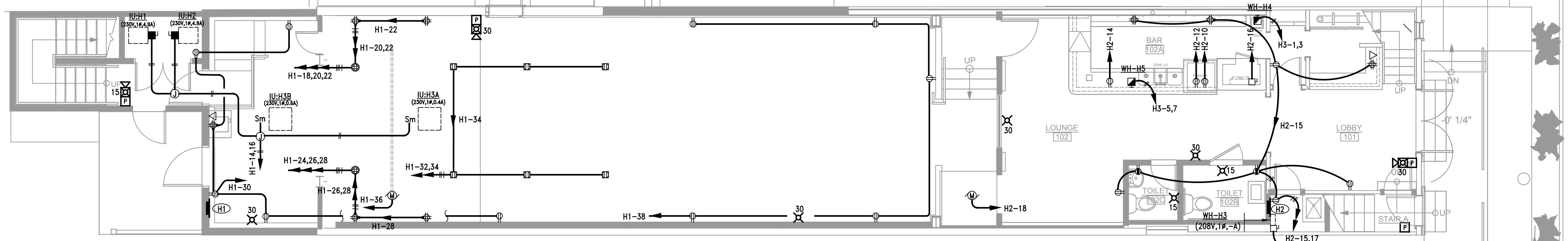
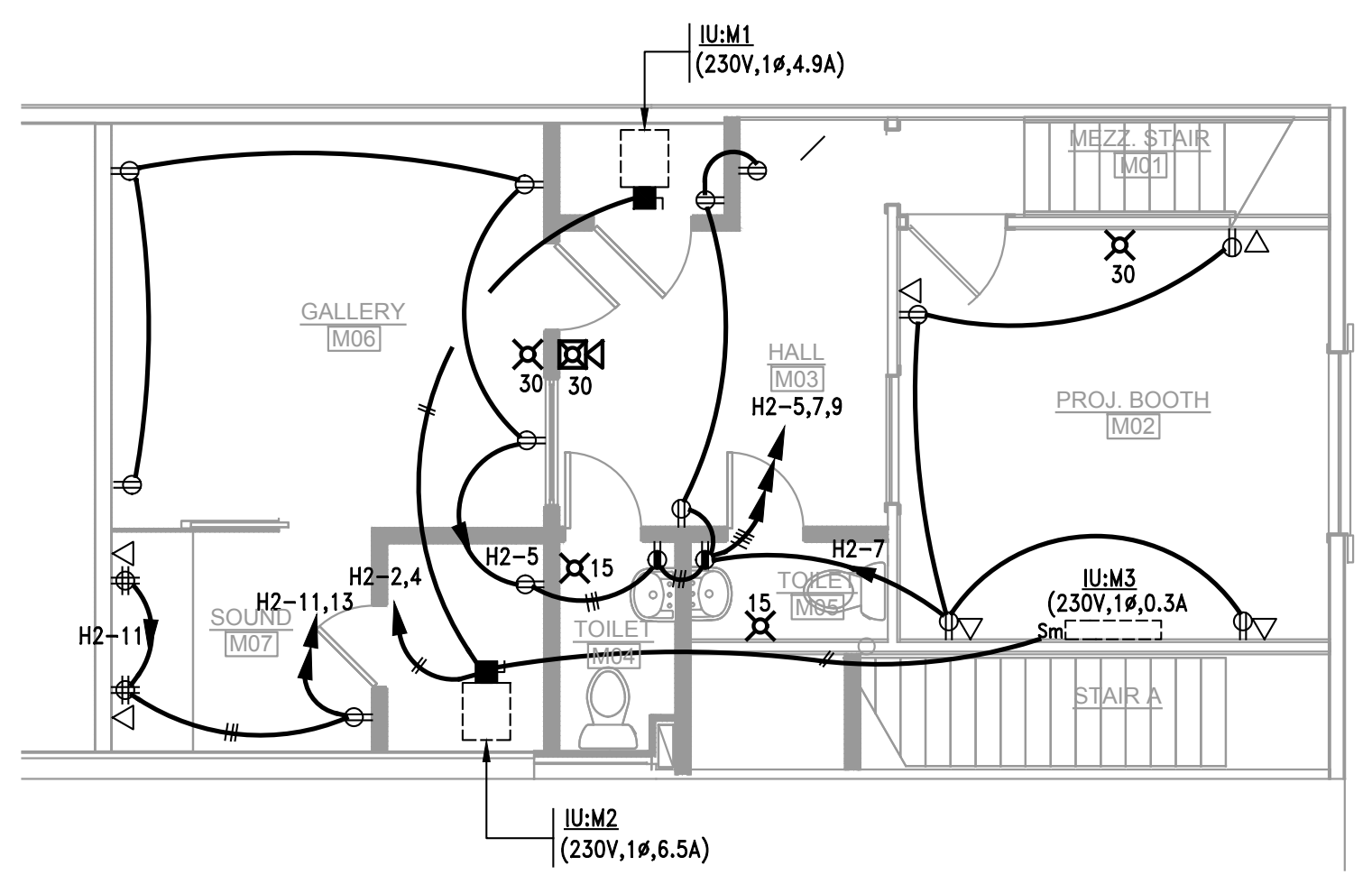
Drawing Title
VRV PIPE & WIRING DIAGRAMS
Date: JUNE 04, 2020
Scale: As Noted Project Number: 19820
Drawing Number

M3.1



MAIN LEVEL AND MEZZANINE PLANS - LIGHTING

SCALE: 3/16" = 1'-0"



MAIN LEVEL AND MEZZANINE PLANS - POWER

SCALE: 3/16" = 1'-0"

NORTH (building)

Shepherdstown Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape

Grove & Dall'Otto Architects p.l.c.

Matthew W. Grove matthew@gdaia.com • GDAia.com

325 Migration Lane Gerandstown, WV 25420 304-267-2120

18 West Boswell Street Winchester, VA 22601 540-773-2328

Issue/Revision	Seal

MAIN LEVEL & MEZZANINE PLANS

Date: JUNE 04, 2020
Scale: As Noted
Project Number: 19820
Drawing Number

NORTH (building)

Shepherdstown Opera House

RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture Planning Interiors Landscape

Grove & Dall'Otto Architects pllc

Matthew W. Grove matthew@gdaia.com • GDAia.com

325 Migration Lane Gerrardstown, WV 25420 304-267-2120

10 West Bockwheat Street Winchester, VA 22601 540-773-2328

Issue/Revision Seal

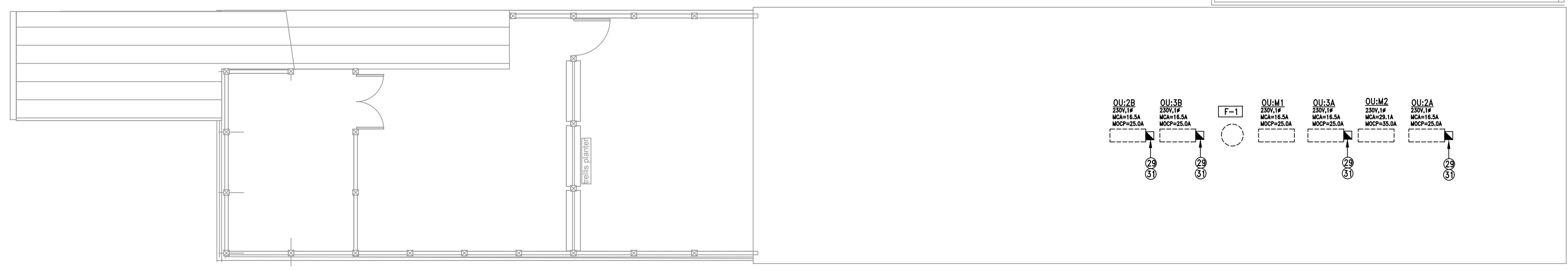
Drawing Title

Professional Engineer Seal: Matthew W. Grove, Registered Professional Engineer, State of West Virginia, No. 11939, Exp. 12/31/2020.

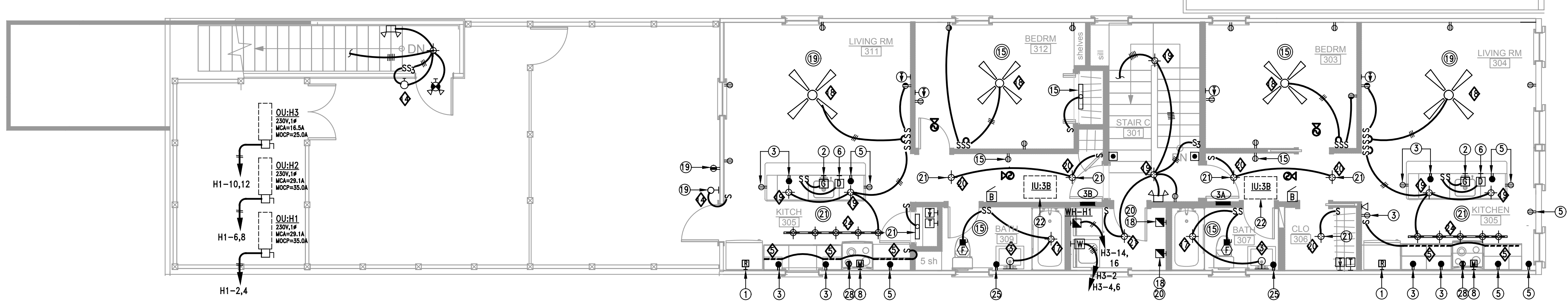
2ND & 3RD FLOOR PLANS

Date: JUNE 04, 2020
Scale: As Noted Project Number: 19820
Drawing Number:

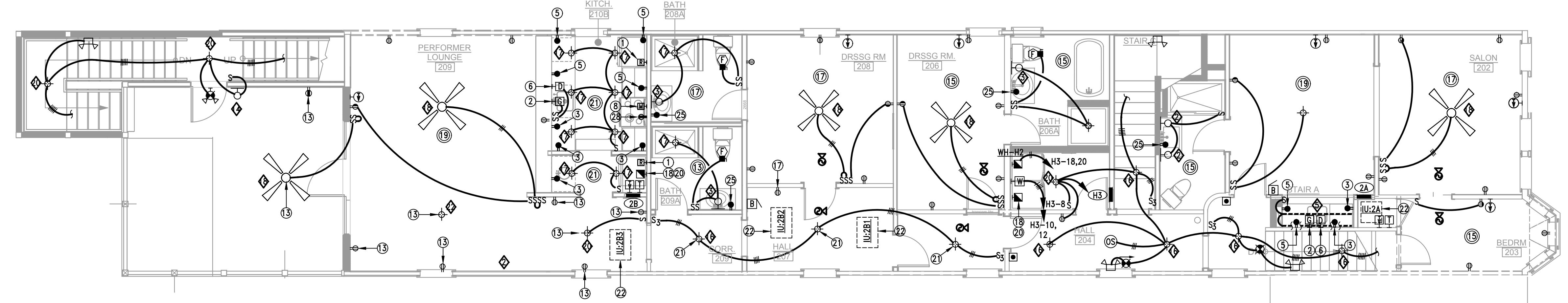
E1.2



ROOF PLAN
SCALE: 3/16" = 1'-0"



3RD FLOOR PLAN
SCALE: 3/16" = 1'-0"



2ND FLOOR PLAN
SCALE: 3/16" = 1'-0"

GENERAL SHEET NOTES

- ALL WORK IN APARTMENTS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE LATEST EDITION OF NEC CURRENTLY IN FORCE WITHIN THE PROJECT JURISDICTION FOR SPACING OF ALL OUTLETS, AND ALL OTHER RESIDENTIAL REQUIREMENTS.
- ALL BRANCH CIRCUIT WIRING FOR APARTMENTS SHALL BE INSTALLED IN METAL CLAD RACEWAY (MC) WITH SEPERATE GROUND CONDUCTOR. REFER TO LOAD CENTER SCHEDULE FOR WIRE SIZE AND CIRCUIT ASSIGNMENTS.
- CONTRACTOR SHALL PRE-WIRE, SEPARATE HOMERUNS, ALL APARTMENT TV OUTLETS TO MASTER TV OUTLET APARTMENT USING THE CABLE NOTED IN SYMBOLS LIST.
- CONTRACTOR SHALL PRE-WIRE, WITH SEPARATE HOMERUNS, ALL APARTMENT TELEPHONE OUTLETS USING THE CABLE NOTED IN THE SYMBOLS LIST.
- CONTRACTOR MUST TEST ALL PRE-WIRED SYSTEMS BEFORE CLOSING UP WALLS.
- BACK-TO-BACK OUTLETS OF ANY TYPE SHALL NOT BE PERMITTED BETWEEN APARTMENT UNITS.
 - OUTLETS ON THESE WALLS MUST BE SEPARATED A MINIMUM OF 24" TO MAINTAIN FIRE RATING OF THE WALLS.
 - OR OUTLETS SHALL BE WRAPPED WITH UL APPROVED FIRE RATING ASSEMBLIES MATERIAL EQUAL TO 3M FIRE BARRIER PADS.
 - PROVIDE LOWERTYS SOUND PADS INSIDE OUTLET BOXES.
- PROVIDE GFI PROTECTED OUTLETS FOR ENTIRE KITCHEN
- PROVIDE GFI OUTLET IN WEATHERPROOF BOX (P&S WP-26 COVERPLATE) FOR TERRACE/BALCONIES.
- ALL APARTMENT SMOKE DETECTORS SHALL BE CIRCUITED TOGETHER AND EXTENDED TO THE DESIGNATED CIRCUIT.
- IN ACCORDANCE WITH NEC PARAGRAPHS 422-D, 440-12 EXCEPTIONS 430-102 THE INTENDED DISCONNECT FOR AIR CONDITIONING UNITS IS A KEY LOCKABLE CIRCUIT BREAKER OR HANDLE LOCKS IN THE OFF POSITION UTILIZING A KEY CONTROLLED ONLY BY BUILDING MANAGEMENT.
- WIRING DEVICES - PRIOR TO ORDERING, THE CONTRACTOR SHALL RE-VERIFY STYLE, COLOR, AND PLATE COVERS WITH ARCHITECT. PRIOR TO LOCATING SWITCHES, RE-VERIFY ALL LOCATIONS WITH THE ARCHITECT.
- REFER TO ARCHITECTURAL PLANS FOR THICKNESS OF WALL TO ACCOMMODATE RECESSED LOAD CENTER.
- CONTRACTOR SHALL PROVIDE "ARC FAULT" TYPE CIRCUIT BREAKERS FOR ALL BRANCH CIRCUITS SERVING RECEPTACLES IN BEDROOMS.

APARTMENT UNIT SYMBOLS LIST

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	FLUSH CEILING MOUNTED LIGHT FIXTURE		MICROWAVE HOOD COMBINATION (2P,3W,20A,125V) MAX. 1480W 120V (EXTEND TO CIRCUIT NO. 8) MOUNTED ABOVE RANGE.		FUSED SAFETY SWITCH - IF FIELD FURNISHED AND INSTALLED, DO NOT MOUNT ON EQUIPMENT, MOUNT ON UNSTRUCT ATTACHED TO ROOF.
	WALL-MOUNTED LIGHT FIXTURE		WALL-MOUNTED SINGLE RECEPTACLE (2P, 3W, 20A, 125V) FOR REFRIGERATOR (EXTEND TO CIRCUIT NO. 1) - MOUNT 48" AFF.		SMOKE DETECTOR WITH AUDIBLE ALARM (APARTMENTS ONLY), SURFACE MOUNTED. <ol style="list-style-type: none"> UNIT SHALL HAVE 120V POWER SUPPLY (CIRCUIT #25) WITH BATTERY BACK-UP. UNITS LOCATED IN AREAS WITHOUT DROPPED CEILING SHALL BE WALL MOUNTED A MAXIMUM OF 12" BELOW FINISHED CEILING. ALL SMOKE DETECTORS SHALL BE INTERCONNECTED TO SIMULTANEOUSLY ALARM WHEN ANY SINGLE DETECTOR SENSES SMOKE.
	WALL MOUNTED CLOSET LIGHT (MOUNT ABOVE DOOR HEADER INSIDE OF CLOSET)		PROVIDE FLUSH MOUNTED CONNECTION BOX FOR WASHING MACHINE AND DRYER (INCLUDING HOT AND COLD WATER CONNECTIONS WITH SHUT-OFF VALVES) COORDINATE WITH PLUMBING INSTALLER PROVIDE SINGLE 2P,3W,20A,125V RECEPTACLE FOR WASHER - EXTEND 2#12-G TO UNITS LOAD CENTER PROVIDE SINGLE 3P,4W,30A,250V RECEPTACLE FOR DRYER - EXTEND 3#10-G TO UNITS LOAD CENTER		APARTMENT LOAD CENTER (DEPTH OF PANEL CAN NOT EXCEED 3 7/8")
	SINGLE POLE FLUSH TUMBLER SWITCH (MOUNT 42" AFF/UON).		FLUSH MOUNTED JUNCTION BOX FOR ELECTRIC WATER HEATER		RECESSED TOILET EXHAUST FAN. CONNECT TO CIRCUIT.
	THREE-WAY FLUSH TUMBLER SWITCH (MOUNT 42" AFF/UON).		MASTER APARTMENT TELEVISION SYSTEM OUTLET (MOUNTED 12" ABOVE CLOSET SHELF).		DOOR BELL (PUSHBUTTON) - INTERCONNECT WITH CHIME.
	600 WATT DIMMER SWITCH (MOUNT 42" AFF UON) LIGHTTOLIER TOGGLE STYLE TYPE MATCHING SWITCH STYLE.		A. PROVIDE 6"X6"X2-1/2" FLUSH-MOUNTED BOX WITH TWO GANG COVER PLATES. TELEVISION SYSTEM OUTLET (SINGLE GANG PLASTER RING WITH WHITE COVER PLATE AND TV/CABLE SYSTEM JACK INSTALLED (MOUNT 18" AFF UON). A. PROVIDE RGEQUAD 90% SHIELDED TYPE COAXIAL CABLE FROM OUTLET TO CONDOMINIUM MASTER TELEVISION OUTLET. B. COORDINATE CABLE TYPE WITH CABLE TV SERVICE PROVIDER. C. PROVIDE FIRE RATED BOX WHERE REQUIRED.		GENERAL ROOM CIRCUIT DESIGNATION - SPECIFIC CIRCUIT DESIGNATIONS SHALL PREVAIL
	WALL-MOUNTED DUPLEX RECEPTACLE (2P, 3W, 15A, 125V) - MOUNT 18" AFF/UON.		MASTER APARTMENT SYSTEM TELEPHONE OUTLET A. PROVIDE 6"X6"X2-1/2" FLUSH-MOUNTED BOX WITH TWO GANG COVER PLATE.		SPECIFIC CIRCUIT DESIGNATION. IF NO SPECIFIC CIRCUIT IS INDICATED FOR LIGHTING AND/OR RECEPTACLES, CIRCUIT TO THE GENERAL ROOM CIRCUIT.
	WALL-MOUNTED DUPLEX RECEPTACLE (2P, 3W, 15A, 125V) - TOP HALF SWITCHED (MOUNT 18" AFF/UON).		TELEPHONE SYSTEM OUTLET - MOUNT 18" AFF GENERAL A. APARTMENT OUTLETS - SINGLE GANG PLASTER RING WITH WHITE TELEPHONE OUTLET COVERPLATE. C. PROVIDE FIRE RATED BOX AT PARTY WALLS OR UTILIZE FIRE RATED WRAP ASSEMBLIES BY 3M.		WALL MOUNTED DOORBELL/CHIME INTERCONNECTED WITH DOORBELL PUSHBUTTON. CONNECT WITH GENERAL LIGHTING CIRCUIT #21.
	WALL-MOUNTED DUPLEX (2P, 3W, 20A, 125V GFI) BATHROOM/APPLIANCE CIRCUIT - MOUNT 6" ABOVE COUNTERS (KITCHEN/BATHROOMS) 18" AFF OTHER AREAS EXTEND TO CIRCUITS NOTED.		FLUSH-MOUNTED JUNCTION BOX FOR DISPOSAL, CONTROLLED BY HORIZONTALLY MOUNTED FLUSH TUMBLER SWITCH (EXTEND TO CIRCUIT No.2) MOUNT 24" AFF-LOCATE UNDER SINK.		FLUSH CEILING MOUNTED JUNCTION BOX FOR FUTURE COMBINATION FAN/LIGHT UNIT.
	WALL-MOUNTED DUPLEX (2P, 3W, 15A, 125V) OUTLET TO BE GFCI TYPE WITH HINGED WEATHERPROOF COVERPLATE.				
	RANGE RECEPTACLE (3P, 4W, 50A, 125/250V) NEMA 14-50R WITH 50A, 2P CIRCUIT BREAKER EXTEND TO CIRCUIT No.28 AND 30.				
	FLUSH-MOUNTED SINGLE RECEPTACLE (2P,3W,20V,125V) FOR DISHWASHER (EXTEND TO CIRCUIT NO. 6). PROVIDE MATCHING PLUG, PROVIDE CONNECTION TO DISHWASHER FOLLOWING DISHWASHER MANUFACTURER'S SPECIFICATIONS TO ASSURE INTEGRITY OF UL LISTING. COORDINATE PLUG INCLUSION WITH SUPPLIER OF DISHWASHER - MOUNT 24" A.F.F. - LOCATE BELOW SINK.				

RESIDENTIAL LOAD CENTER APT. 2B. Table with columns: VOLTAGE, PHASE, WIRE, MCB(A), MLO(A), AIC, MOUNTING, MANUFAC, MDL #, DWG REF. Includes rows for Lighting, Receptacles, Mech Equip, and Item Served (Refrigerator, Dishwasher, etc.).

RESIDENTIAL LOAD CENTER APT. 2A. Table with columns: VOLTAGE, PHASE, WIRE, MCB(A), MLO(A), AIC, MOUNTING, MANUFAC, MDL #, DWG REF. Includes rows for Lighting, Receptacles, Mech Equip, and Item Served (Refrigerator, Dishwasher, etc.).

RESIDENTIAL LOAD CENTER APT. 3B. Table with columns: VOLTAGE, PHASE, WIRE, MCB(A), MLO(A), AIC, MOUNTING, MANUFAC, MDL #, DWG REF. Includes rows for Lighting, Receptacles, Mech Equip, and Item Served (Refrigerator, Dishwasher, etc.).

RESIDENTIAL LOAD CENTER APT. 3A. Table with columns: VOLTAGE, PHASE, WIRE, MCB(A), MLO(A), AIC, MOUNTING, MANUFAC, MDL #, DWG REF. Includes rows for Lighting, Receptacles, Mech Equip, and Item Served (Refrigerator, Dishwasher, etc.).

RESIDENTIAL LOAD CENTER CALCULATION (NEC 220.20). Table showing calculations for General Lighting Load, Small Appliance Load, Range, Water Heater, Dishwasher, Disposal, Clothes Dryer, and Clothes Washer. Total: 21,165 VA, 94 AMPS.

RESIDENTIAL LOAD CENTER CALCULATION (NEC 220.20). Table showing calculations for General Lighting Load, Small Appliance Load, Range, Water Heater, Dishwasher, Disposal, Clothes Dryer, and Clothes Washer. Total: 19,540 VA, 90 AMPS.

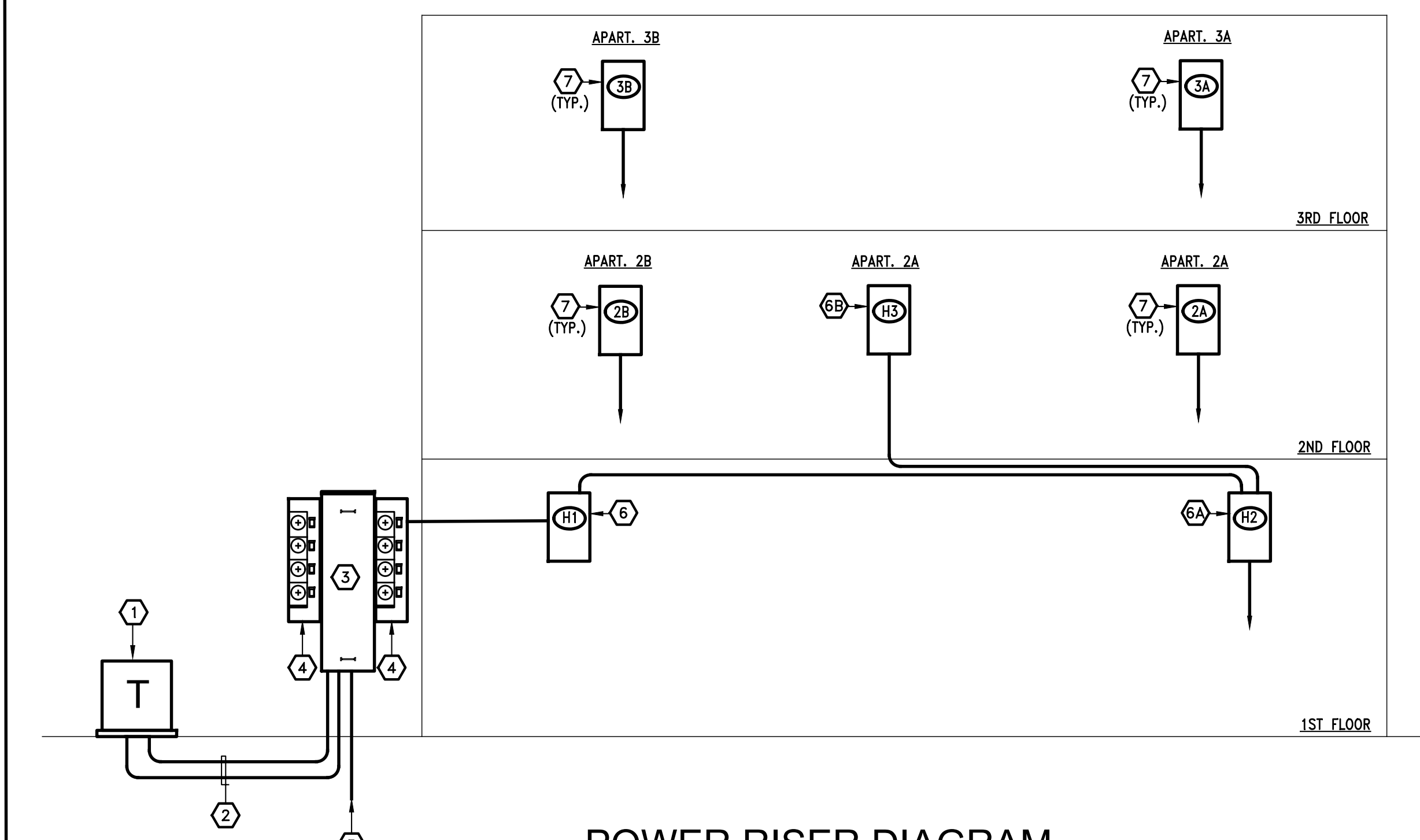
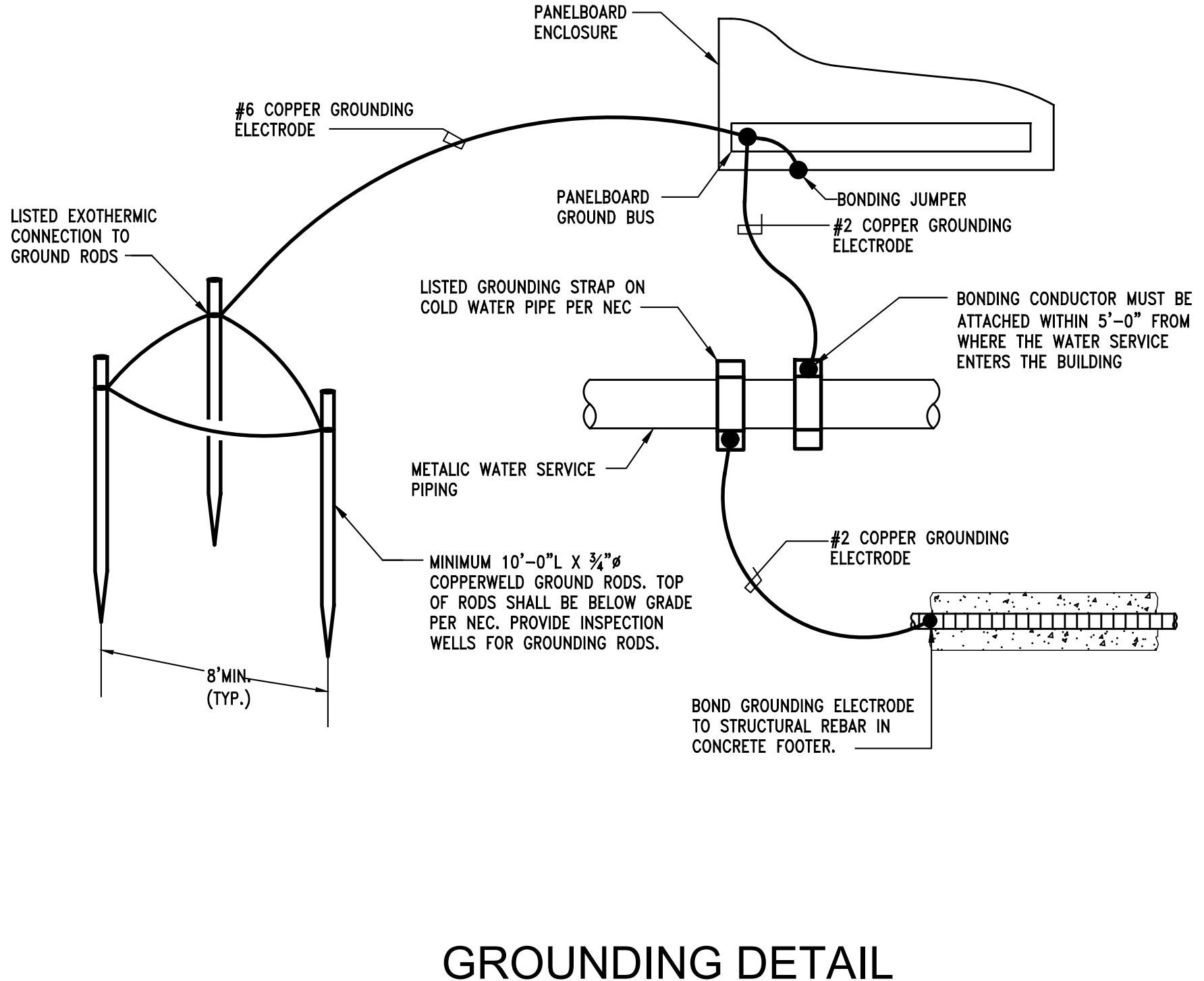
RESIDENTIAL LOAD CENTER CALCULATION (NEC 220.20). Table showing calculations for General Lighting Load, Small Appliance Load, Range, Water Heater, Dishwasher, Disposal, Clothes Dryer, and Clothes Washer. Total: 19,780 VA, 91 AMPS.

RESIDENTIAL LOAD CENTER CALCULATION (NEC 220.20). Table showing calculations for General Lighting Load, Small Appliance Load, Range, Water Heater, Dishwasher, Disposal, Clothes Dryer, and Clothes Washer. Total: 19,630 VA, 91 AMPS.

PANELBOARD SCHEDULE H3. Table listing equipment (WH-H4, WH-H5, SPACE, etc.) with columns for Voltage, Phase, Wire, MCB(A), MLO(A), AIC, Mounting, Manufac, MDL #, DWG Ref, Type, Wire, Conduit, Ckt. Brk, Load (VA), Phase, P, Trip, Conduit, Wire, Type, Item Served, Ckt #.

PANELBOARD SCHEDULE H2. Table listing equipment (LIGHTS MEZZAINE, RECEPT LOUNGE BAR, RECEPT PROL. BOOTH, etc.) with columns for Voltage, Phase, Wire, MCB(A), MLO(A), AIC, Mounting, Manufac, MDL #, DWG Ref, Type, Wire, Conduit, Ckt. Brk, Load (VA), Phase, P, Trip, Conduit, Wire, Type, Item Served, Ckt #.

PANELBOARD SCHEDULE H1. Table listing equipment (LIGHTS TRACK, RECEPT PROL. BOOTH, RECEPT HALL ETC., etc.) with columns for Voltage, Phase, Wire, MCB(A), MLO(A), AIC, Mounting, Manufac, MDL #, DWG Ref, Type, Wire, Conduit, Ckt. Brk, Load (VA), Phase, P, Trip, Conduit, Wire, Type, Item Served, Ckt #.



POWER RISER KEYED SHEET NOTES. A list of 9 notes detailing requirements for transformers, service lateral conduits, meter stacks, and panelboard specifications.

Shepherdstown Opera House RENOVATIONS. 131 W. German St. Shepherdstown West Virginia.

OPERA HOUSE ALIVE LLC. Stephen & Harriet Pearson.

Mech/Elect Engineer: FHC Engineering, PC. 4 Weems Lane #277 Winchester, VA 22601 540 247-2939.

Structural Engineer: Ruckman Engineering, PLC. 22-B Ricketts Drive Winchester, VA 22601.

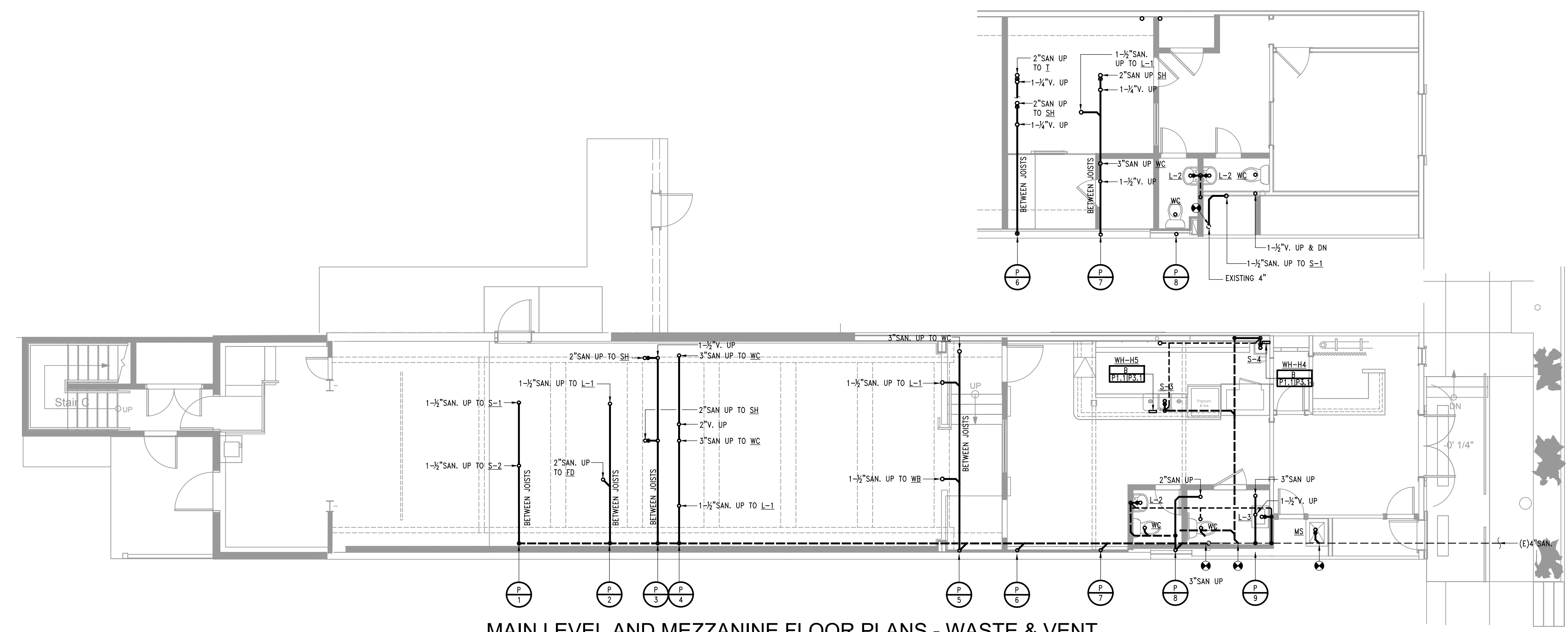
GDA Architecture, Planning, Interiors, Landscape. Matthew W. Grove. 325 Migration Lane, Germantown, VA 22640. 540-773-2328.

Issue/Revision and Drawing Title section with a professional engineer's seal for Alan W. Johnston, Registered Professional Engineer, No. 11939, State of Virginia.

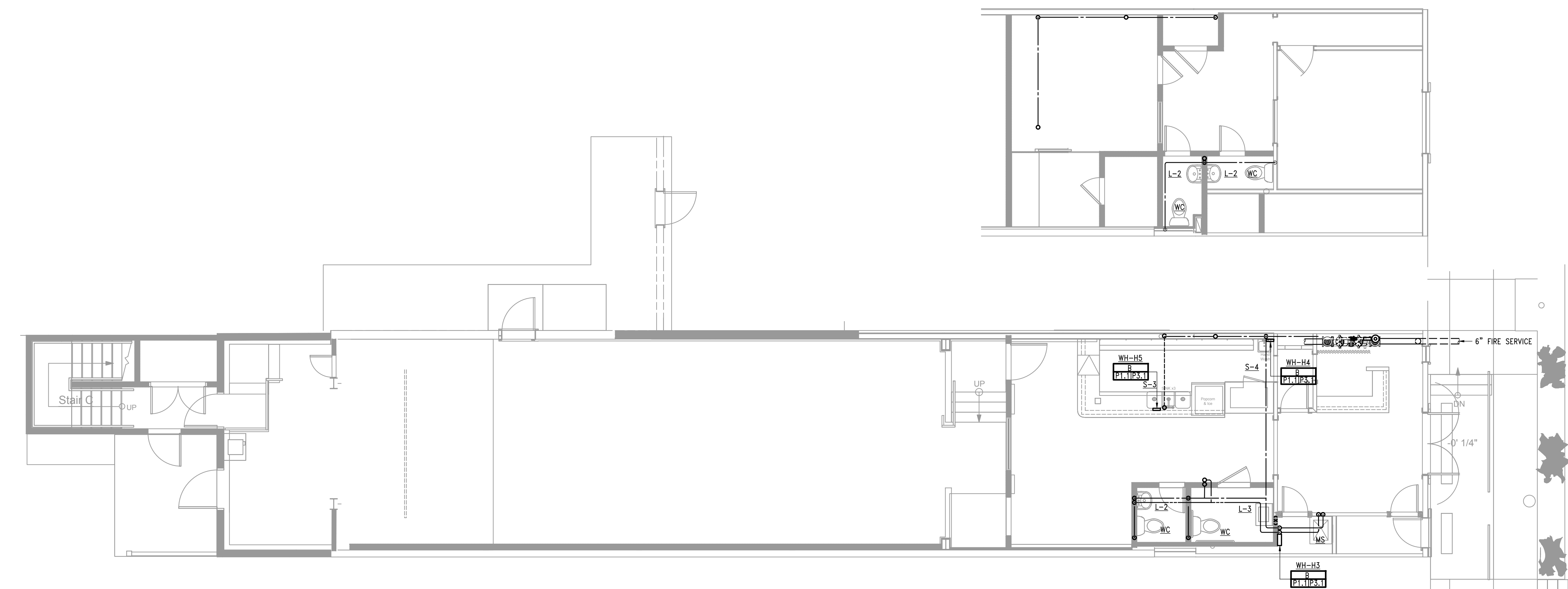
PANEL SCHEDULES. Date: JUNE 04, 2020. Scale: As Noted. Project Number: 19820. Drawing Number.

131 W. German St.
Shepherdstown
West Virginia

Owner
**OPERA
HOUSE
ALIVE** LLC
Stephen & Harriet Pearson



MAIN LEVEL AND MEZZANINE FLOOR PLANS - WASTE & VENT
SCALE: 3/16" = 1'-0"



MAIN LEVEL AND MEZZANINE FLOOR PLANS - DOMESTIC WATER
SCALE: 3/16" = 1'-0"

Mech/Elect Engineer
FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

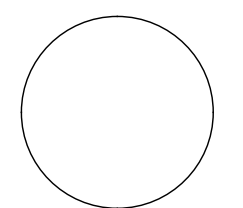
Structural Engineer
Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape
Grove & Dall'Otto Architects p.llc
Matthew W. Grove matthew@GDAaia.com • GDAaia.com
325 Migration Lane Gerardsville, WV 25420 304-267-2120
10 West Boscawen Street Winchester, VA 22601 540-773-2328

Issue/Revision	Seal

Drawing Title
**MAIN LEVEL &
MEZZANINE
FLOOR PLANS**

Date: JUNE 04, 2020
Scale: As Noted
Project Number: 19820
Drawing Number



NORTH (building)

Shepherdstown Opera House RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

OPERA HOUSE ALIVE

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

Structural Engineer

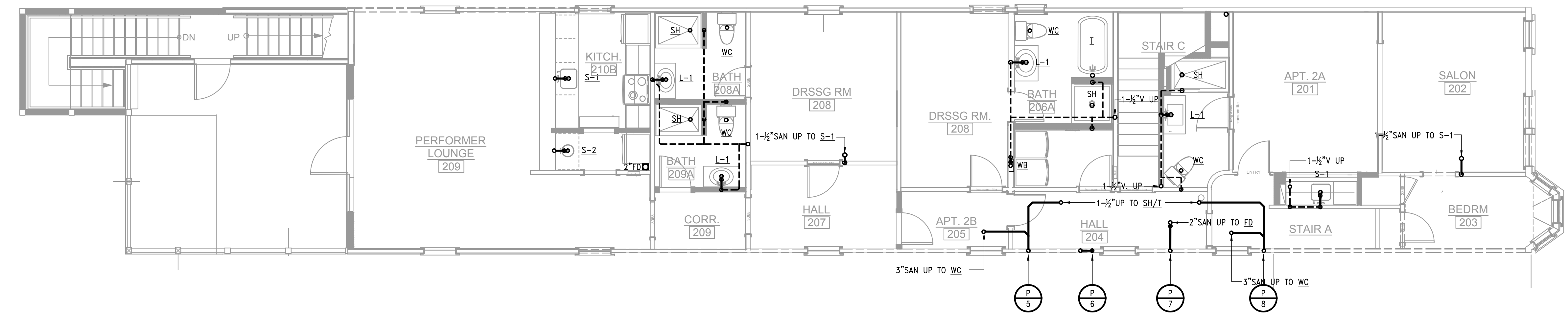
Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

Grove & Dall'Olio Architects pllc
Matthew W. Grove matthew@GDAaia.com • GDAaia.com
325 Migration Lane Geradstown, WV 25420 304-267-2120
10 West Boscawen Street Winchester, VA 22601 540-773-2328

Issue/Revision	Seal

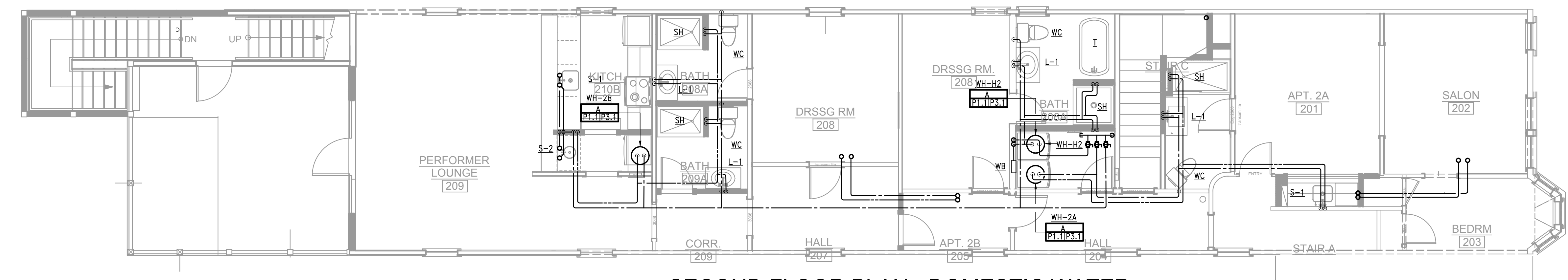
Drawing Title
**2ND & 3RD
FLOOR PLANS**

Date: JUNE 04, 2020
Scale: As Noted
Project Number: 19820
Drawing Number



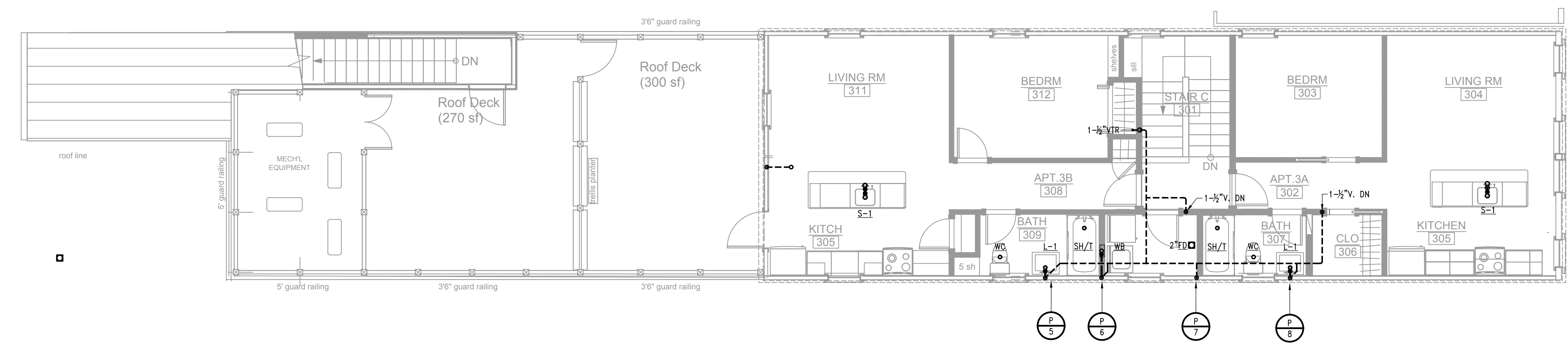
SECOND FLOOR PLAN - WASTE & VENT

SCALE: 3/16" = 1'-0"



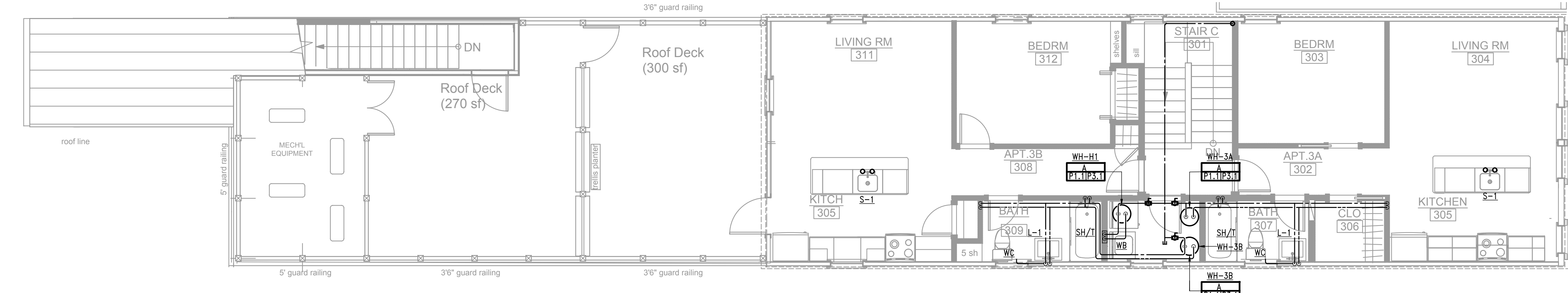
SECOND FLOOR PLAN - DOMESTIC WATER

SCALE: 3/16" = 1'-0"



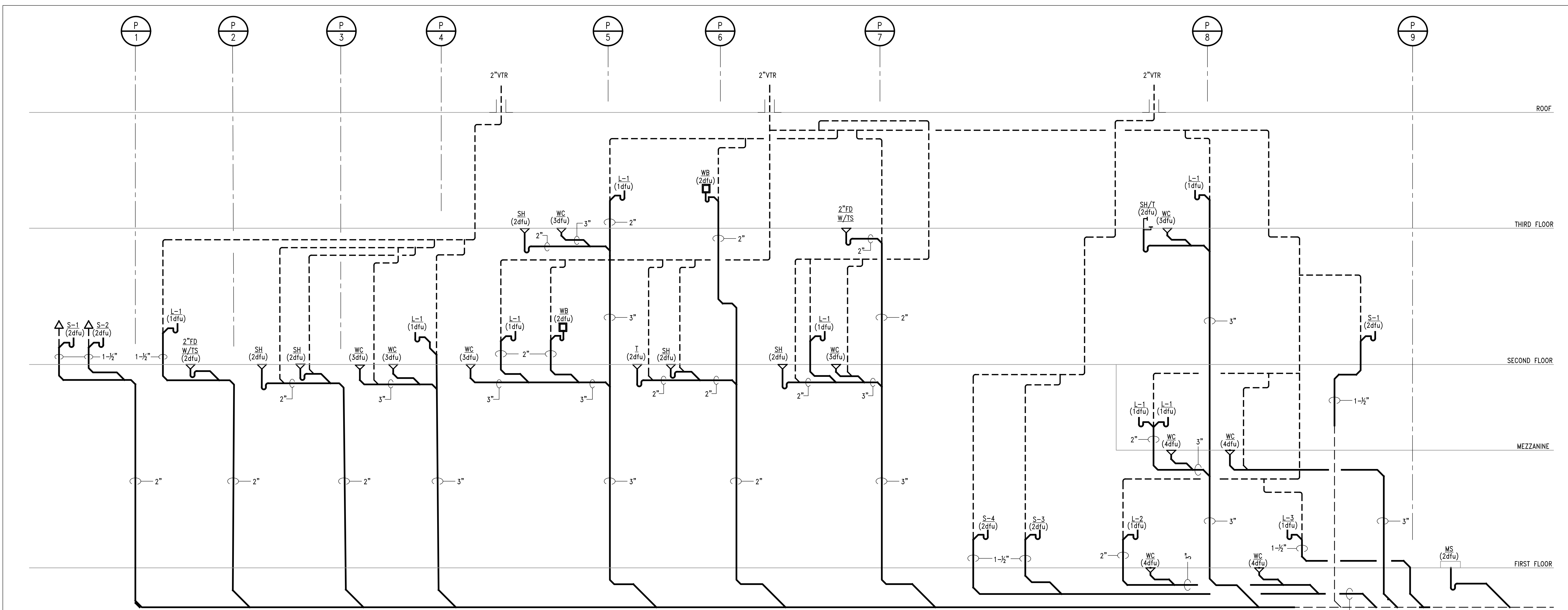
THIRD FLOOR PLAN - WASTE & VENT

SCALE: 3/16" = 1'-0"

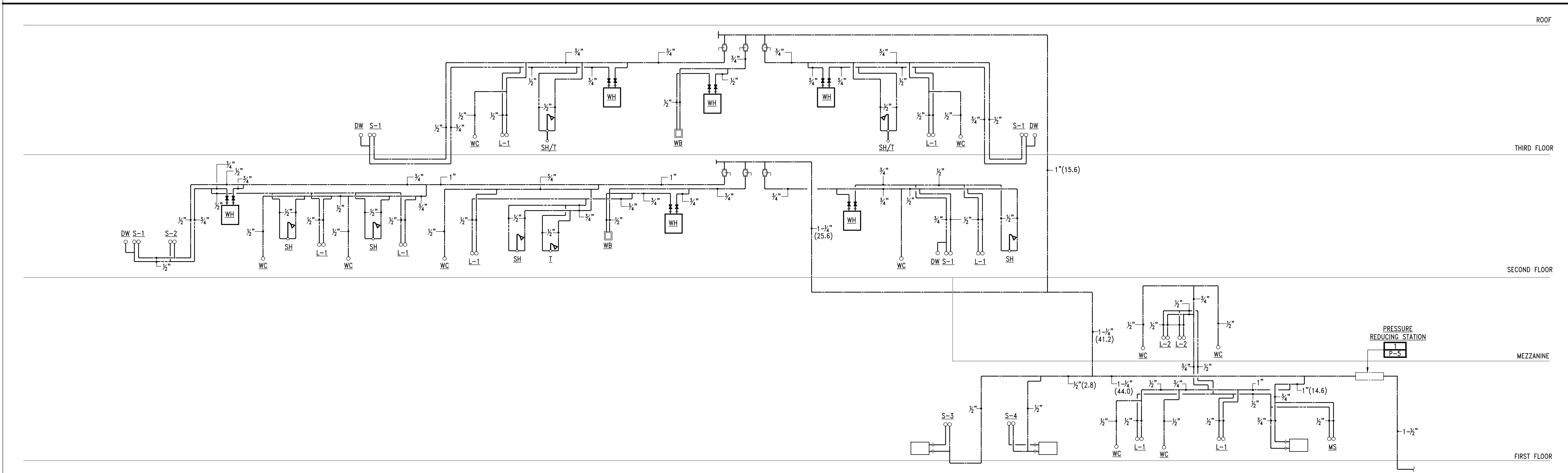


THIRD FLOOR PLAN - DOMESTIC WATER

SCALE: 3/16" = 1'-0"



WASTE & VENT RISER DIAGRAM
SCALE: NONE



DOMESTIC WATER RISER DIAGRAM
SCALE: NONE

NORTH (building)

Shepherdstown Opera House RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

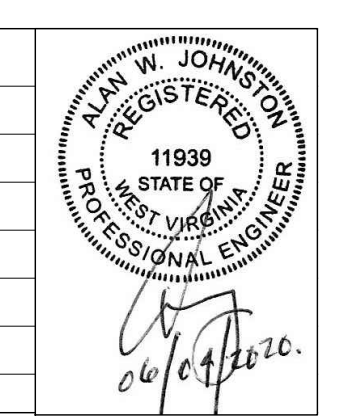
Owner
OPERA HOUSE ALIVE LLC
Stephen & Harriet Pearson

Mech/Elect Engineer
FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

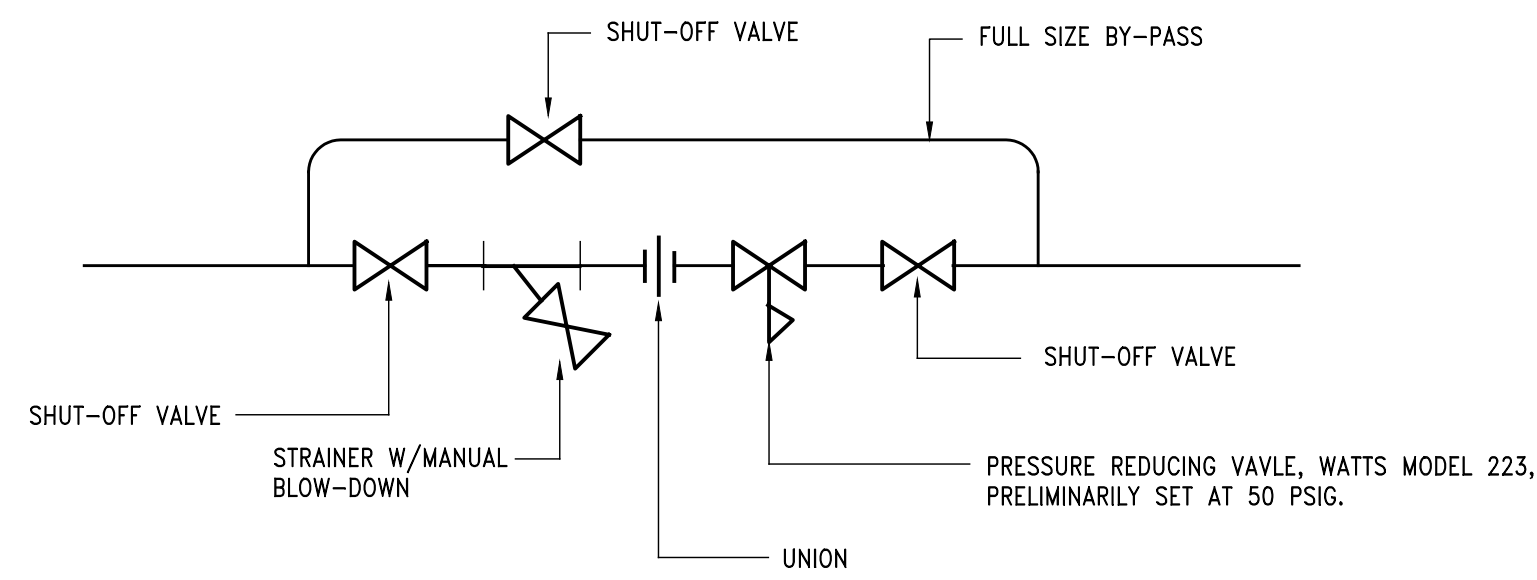
Structural Engineer
Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture Planning Interiors Landscape
Grove & Dall'Otto Architects p.l.c.
Matthew W. Grove matthew@gdausa.com • GDAusa.com
325 Migration Lane Gerandstown, WV 25420 304-267-2120
10 West Boscawen Street Winchester, VA 22601 540-773-2328

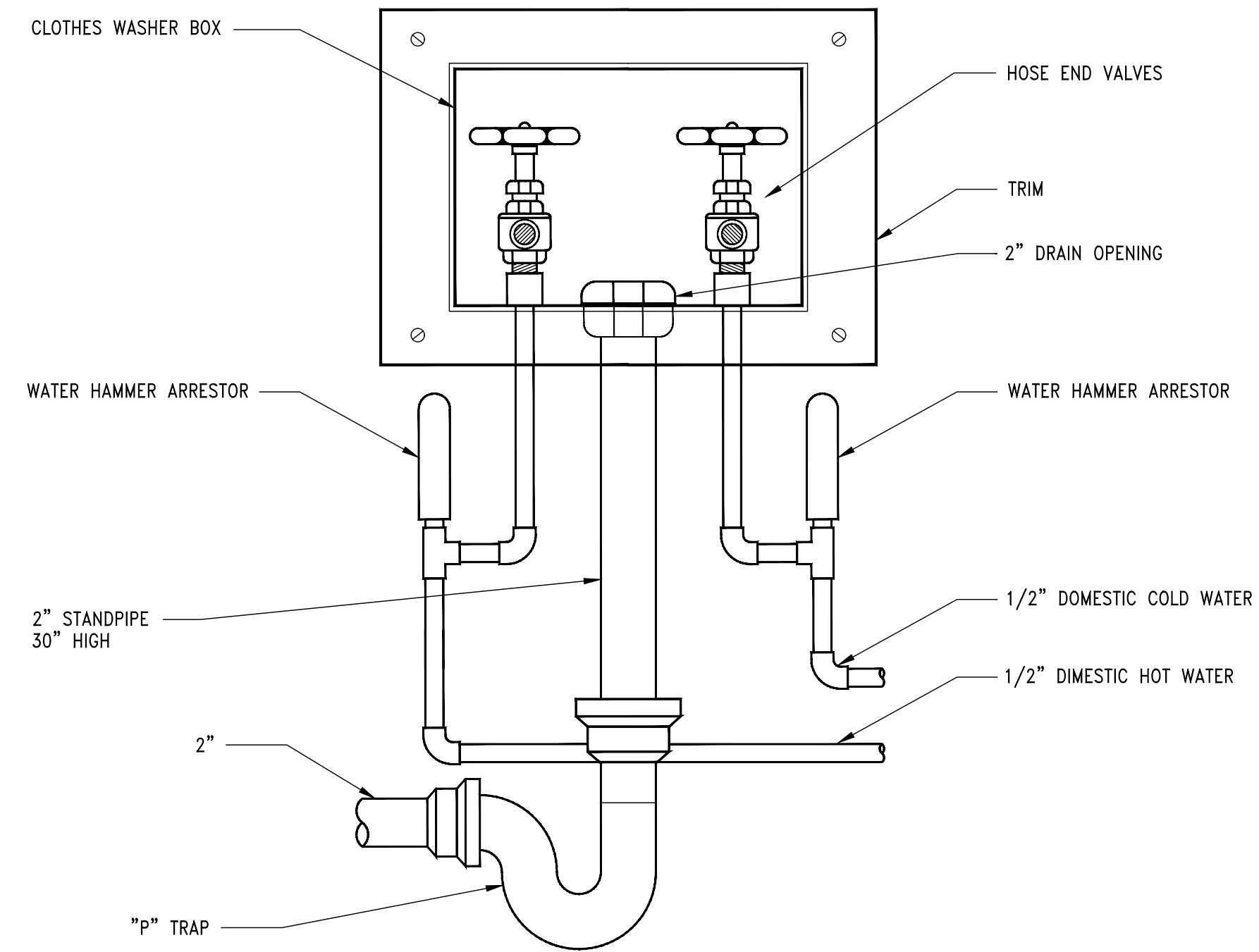
Issue/Revision	Seal



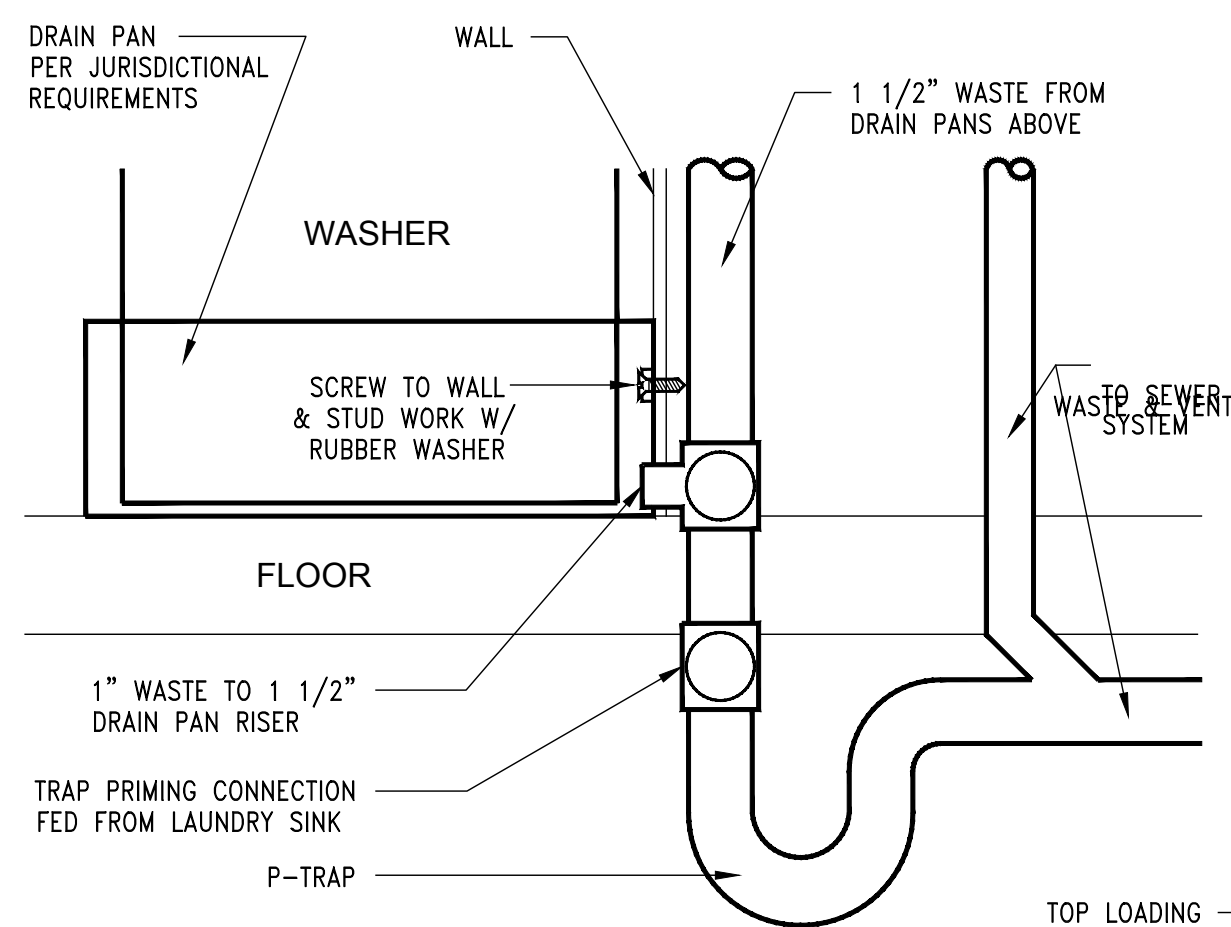
Drawing Title
RISER DIAGRAMS
Date: JUNE 04, 2020
Scale: As Noted
Project Number: 19820
Drawing Number: P-5



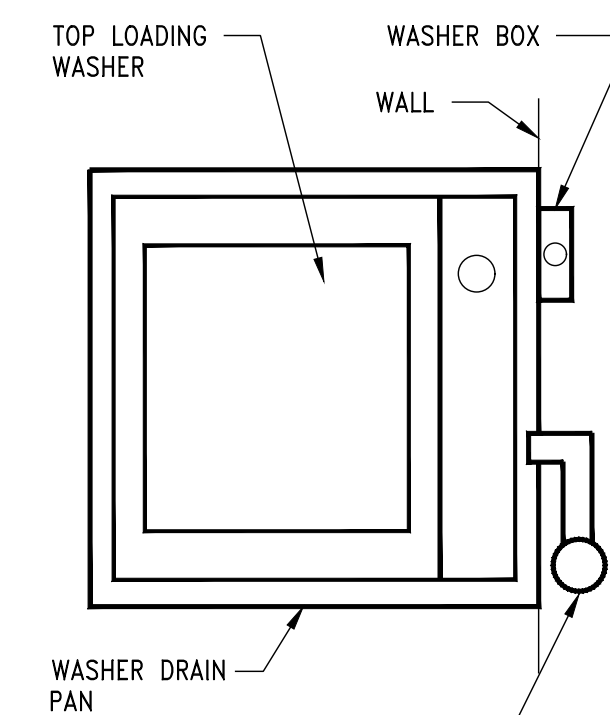
E
P1.2|P3.1 **PRESSURE REDUCING STATION**
DETAIL
SCALE: NONE



C
P1.2|P3.1 **WASHER SUPPLY & DRAIN**
DETAIL
SCALE: NONE

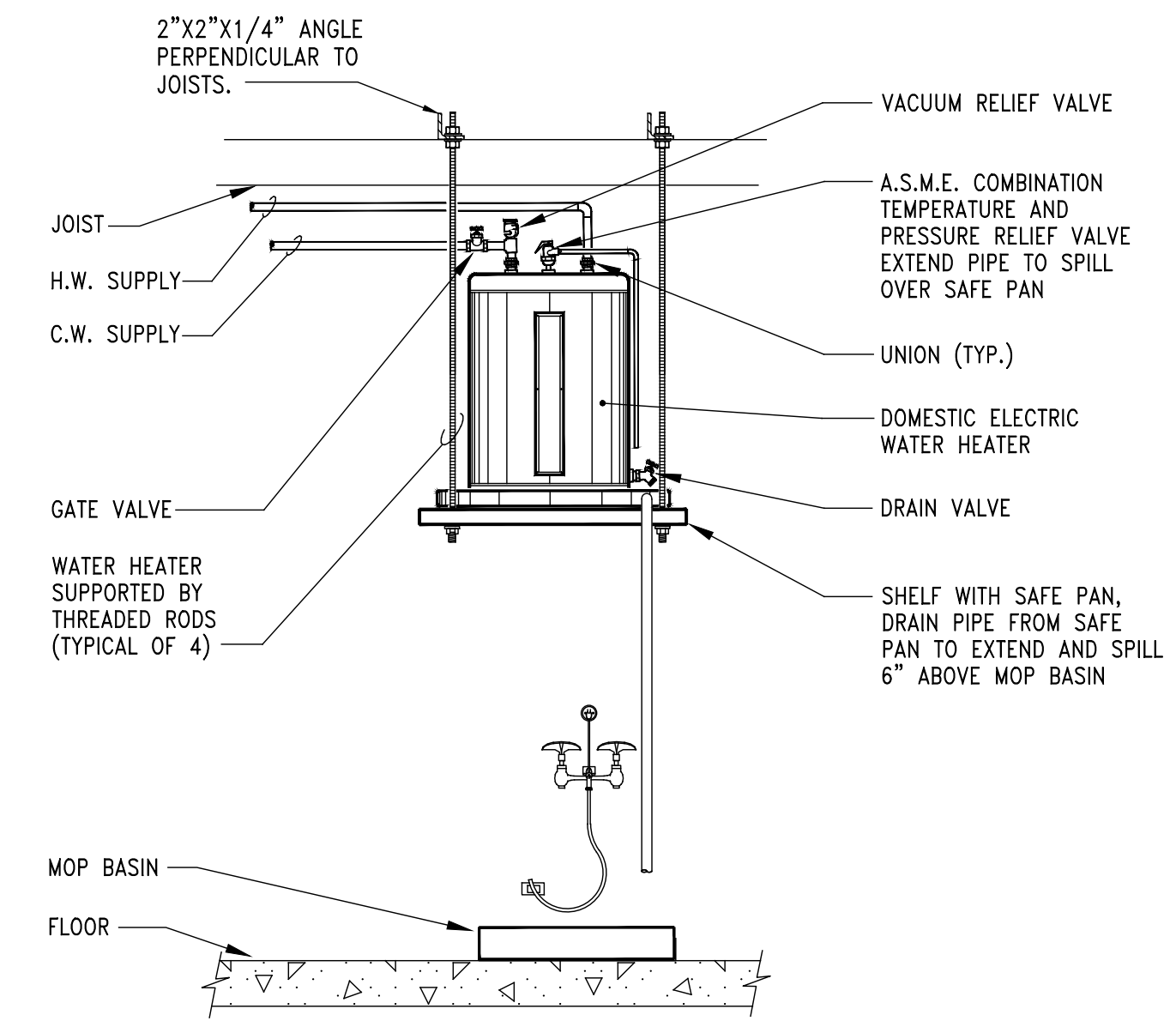


SECTION



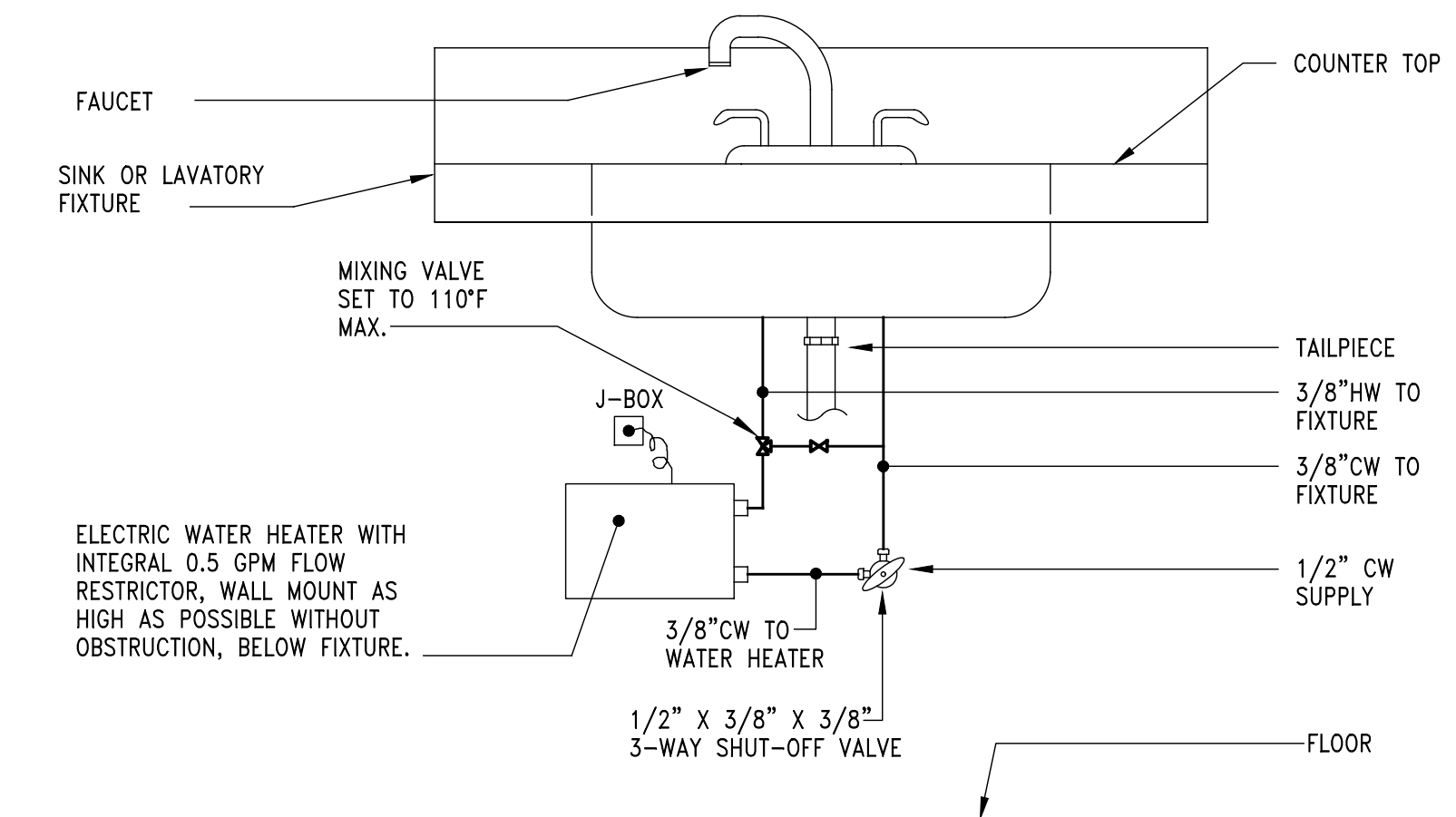
PLAN VIEW

D
P1.2|P3.1 **WASHER DRAIN PAN DETAIL**
SCALE: NONE



SCHEDULE OF CAPACITIES							
W.H. NO.	STORAGE GALLONS	G.P.H. RECOVERY @ 80 F RISE	OPER. WGT. LBS.	ELECTRIC			BASIS OF DESIGN
				VOLTS	PH	Hz	
2A	28	12.5	335	240	1	60	2.5 A.O. SMITH PROLINE MODEL ENJB-30
2B	28	12.5	335	240	1	60	2.5 A.O. SMITH PROLINE MODEL ENJB-30
3A	28	12.5	335	240	1	60	2.5 A.O. SMITH PROLINE MODEL ENJB-30
3B	28	12.5	335	240	1	60	2.5 A.O. SMITH PROLINE MODEL ENJB-30
H1	10	4.5	125	240	1	60	1.5 A.O. SMITH PROLINE MODEL EJC-10
H2	28	12.5	335	240	1	60	2.5 A.O. SMITH PROLINE MODEL ENJB-30

A
P1.2|P3.1 **DOMESTIC ELECTRIC WATER**
HEATER DETAIL
SCALE: NONE



SCHEDULE OF CAPACITIES						
W.H. NO.	TEMP. RISE °F		KW	ELECTRIC		BASIS OF DESIGN
	0.5 GPM	1.0 GPM		VOLTS	AMPS	
WH-3	57	-	4.2	240	20	CHRONOMITE MODEL SR-20L
WH-4	57	-	4.2	240	20	CHRONOMITE MODEL SR-20L
WH-5	57	-	4.2	240	20	CHRONOMITE MODEL SR-20L

B
P1.1|P3.1 **INSTANTANEOUS DOMESTIC WATER**
HEATER DETAIL
SCALE: NONE

NORTH (building)

Shepherdstown
Opera
House
RENOVATIONS

131 W. German St.
Shepherdstown
West Virginia

Owner

**OPERA
HOUSE
ALIVE** LLC

Stephen & Harriet Pearson

Mech/Elect Engineer

FHC Engineering, PC
4 Weems Lane #277
Winchester, VA 22601
540 247-2939

Structural Engineer

Ruckman Engineering, PLC
22-B Ricketts Drive
Winchester, VA 22601

GDA Architecture
Planning
Interiors
Landscape
Grove & Dall'Otto Architects pllc
AIA, LEED AP
Matthew W. Grove matthew@gdaaia.com • GDAaia.com
325 Migration Lane Gerardstown, WV 25420 304-267-2120
10 West Boscawen Street Winchester, VA 22601 540-773-2328

Issue/Revision Seal

REGISTERED PROFESSIONAL ENGINEER
STATE OF WEST VIRGINIA
11939
Matthew W. Grove
06/04/2020

Drawing Title

DETAILS & SCHEDULES

Date: JUNE 04, 2020
Scale: As Noted Project Number: 19820
Drawing Number:

P3.1