



**AIA**  
Idaho

IDAHO CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS

# **HONOR AWARDS PROGRAM 2016**

**SUBMITTAL FOLDER**

**Entries Due August 1, 2016**

Entry #: 24

# AIA IDAHO CHAPTER HONOR AWARDS 2016

## Descriptive Data Sheet

Project Completion Date: June 14, 2016

Project Type (Check only one per entry):

- Commercial
- Public
- Residential
- Architect as Client
- Renovation, Adaptive Reuse and Preservation
- Sustainable Commercial
- Sustainable Residential
- Best Use of Idaho Wood Commercial
- Best Use of Idaho Wood Residential
- Best Use of Idaho Wood

**Project Description** (*Max. 250 words – Place text first, do NOT insert project images within, above, or around text*):

The project was a remodel of an existing 392 square ft. patio, converting this space into an all-year indoor-outdoor room. The goal was to create a space that could be utilized year-round by installing operable doors to allow for unobstructed flow to an extended patio and into the existing backyard. The scope included the removal of three supporting columns to create 24' of open clear space at the doors. This involved the replacement of two wood beams to accommodate a 26' steel beam to carry the existing roof load and the weight of the bi-fold doors. Additional details include utilizing a zero threshold at the suspended doors, placing of a thermal break at this threshold, which allowed for the installation of electric radiant heat under the new floor tile, installing two ceiling fans for air circulation and to act as a wind screen for insects, and replacing a five-foot sliding patio door with a five-foot clear French door for greater access from the existing home into the new space. The structural design entailed kicker bracing at the steel beam which ties into the existing roof trusses. This allowed the opportunity to create a wide door frame at the bi-fold doors that includes recessed lighting and built-in shelves at each end. Existing exterior siding was retained to blur the line between indoor and outdoor. The scope included replacement of the existing concrete slab and brick pavers, and replacement of the ceiling plywood panels with vertical grain fir.



**Type of construction, materials, mechanical systems, and any other pertinent technical information** (*max 250 words - Place text first, do NOT insert project images within, above, or around text*):

The primary catalyst of this project was the use of 24 lineal feet of Andersen A-Series Architectural Folding Outswing Patio Doors, along with two matching Gliding Patio Doors and one Frenchwood Outswing Patio Door. Wood specified on these doors is western white pine. Emser “Bombay” series ceramic tile was used for patio floor. Room trim and floor base is painted Douglas fir. Ceiling and soffit material used is vertical grain, butt jointed, Douglas fir. Built-in shelves utilize western white pine and Douglas fir.

A slab thermal break, or R-15 rigid insulation, 24-inches deep by 20-inches, under slab extending into the patio room, located at the flush track threshold, was used to allow electrical radiant heat to be installed under the ceramic floor within the room. The Andersen doors utilize high-performance Low-E4 glass, with SmartSun coating, for energy performance. The existing above-ceiling insulation was replaced with R-49 Mountain Fiber Cellulose Insulation with cardboard vent baffles. Six soffit lights were installed at the bi-fold door area, accenting the end shelving and the wood on the door frames. Recessed lights are Juno Lighting Group Aculux 2-inch LED, Energy Star, recessed housing units. The ceiling fans are Kichler Innes Décor with CoolTouch control system, Energy Star, variable speed/reversible for aided cooling and heating. Stain and paint used was Sherwin Williams material complying with 3.5 VOC regulations.

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**Project Images & Diagrams** *(no specified limit, image size and format must be submitted electronically, JPG or PNG format is desirable for presentation in other media, photos may bear photographer credit. Images may be captioned, 10 words or less per image):*

INSERT ADDITIONAL  
PAGES AS NECESSARY



**Year-round, Indoor – Outdoor Living Space**



**Existing Patio, Prior to Remodel**



**New All-Season Space**



6

**New All Season Space, Bi-fold Doors Open**





**New Living Area**



**New Dining Area**



**Header/Ceiling Detail**



Dining Area, Evening



Shelving Detail



Evening Glow

INSTALLATION OF FOLDING DOORS AT EXISTING COVERED PATIO.  
 STRUCTURAL ALTERATION, ELECTRICAL, AND MATERIALS RENOVATION  
 TO EXISTING COVERED PATIO.



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COVER  
 SHEET

A-0.0

PARCEL NUMBER: R6905500045  
ZONE CODE: R-1B  
PROPERTY SIZE: .45 ACRES

PROPERTY DESCRIPTION:  
LOT 9, BLK 1  
PARADISE NORTH SUBDIVISION #8744175

LAND GROUP TYPE: SUB  
TOWNSHIP/RANGE/SECTION: 3N1E15

FLOODPLAIN: ZONE X  
FEMA NATIONAL HAZARD LAYER  
PANEL 18001C0252G  
EFFECTIVE 2/19/03

EXISTING RESIDENCE - 1,784 S.F.  
EXISTING COVERED PATIO - 392 S.F.  
EXISTING GARAGE - 488 S.F.

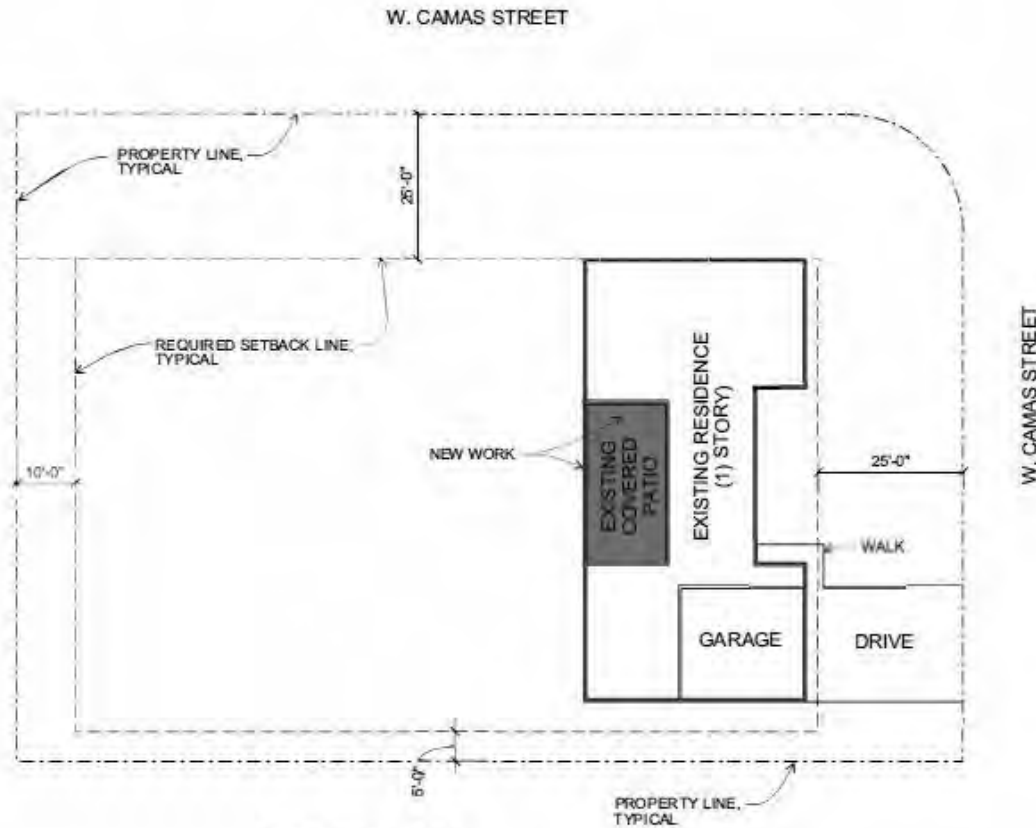
2012 INTERNATIONAL BUILDING CODE  
(PARTS V, VI, AND APPENDICES A, B, C,  
AND D)

2012 INTERNATIONAL ENERGY  
CONSERVATION CODE

GROUND SNOW LOAD: 20 PSF  
UNIFORM ROOF SNOW LOAD: 25 PSF

GROUND SNOW LOAD: 20 PSF  
UNIFORM ROOF SNOW LOAD: 25 PSF  
FROST DEPTH: 24" MINIMUM  
REFER S-1.1 STRUCTURAL NOTES, STEEL  
BEAM, CODE REFERENCES.

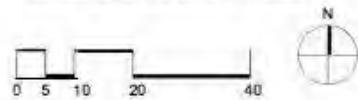
6 X 6 WOOD COLUMN SHOWN ON  
STRUCTURAL IS A MINIMUM



### SITE PLAN

1"=20.0'

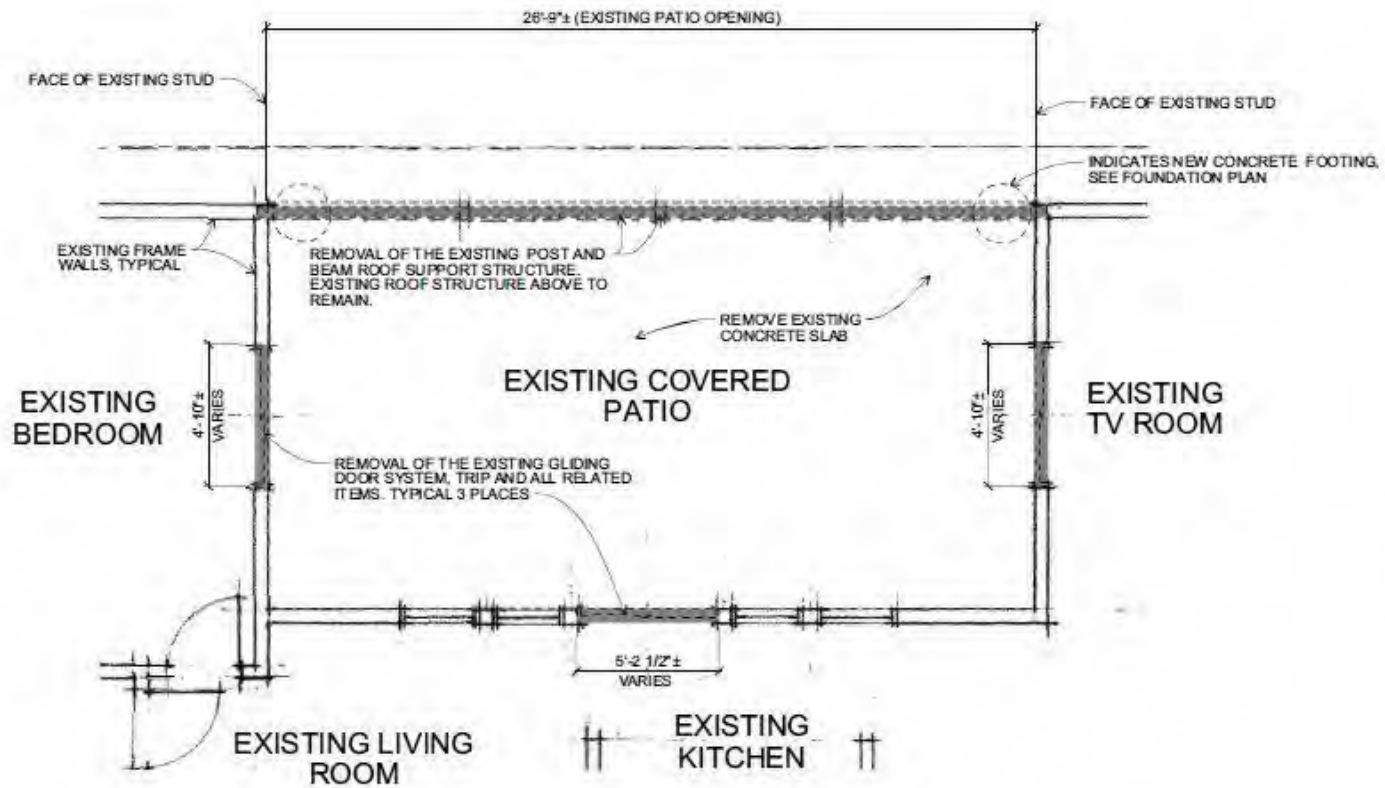
NOTES:  
ALL DIMENSIONS ARE TO BE VERIFIED



W. CAMAS STREET

SITE  
PLAN  
(EXISTING)  
SP-100

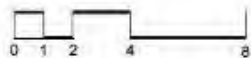




### DEMOLITION FLOOR PLAN

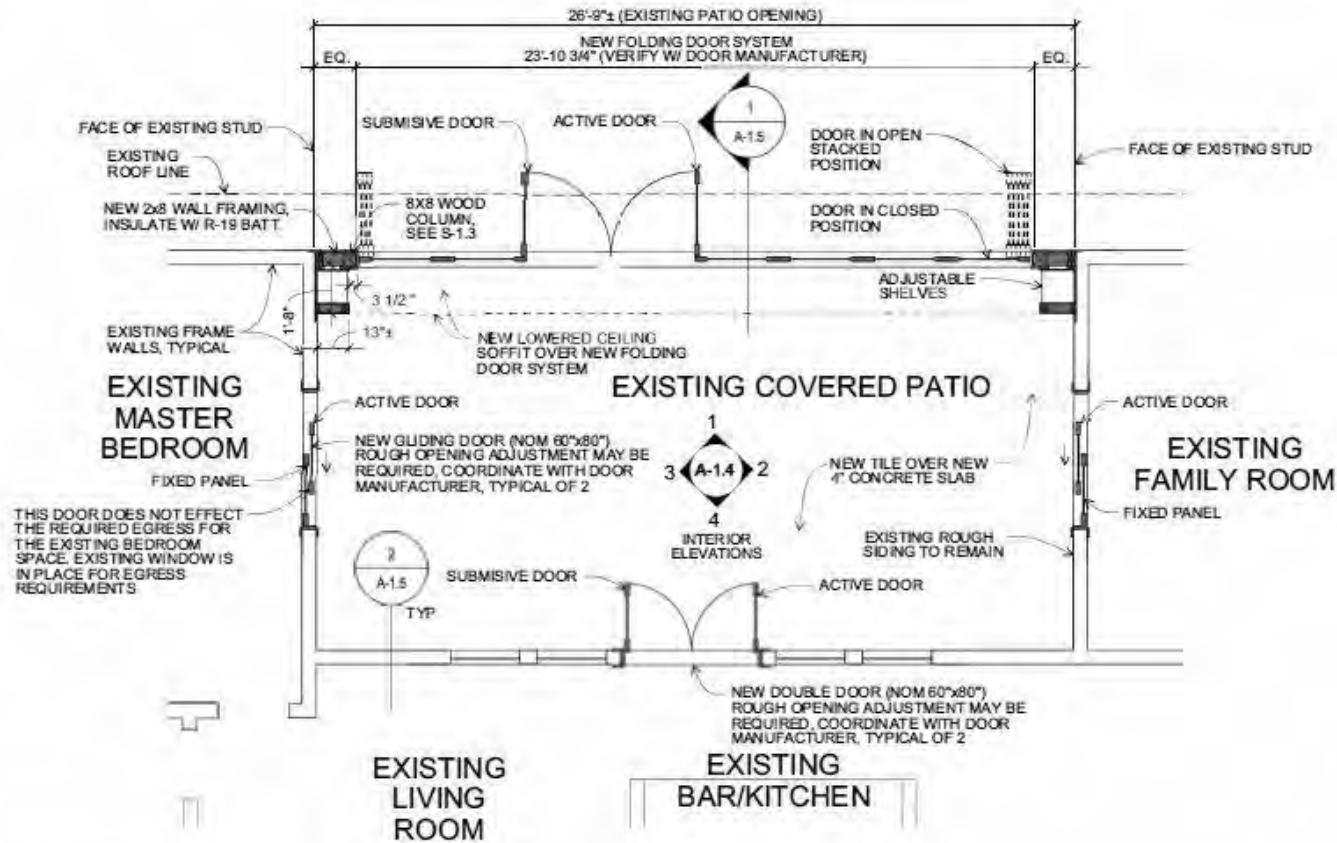
1/4" = 1'-0"

NOTES:  
ALL DIMENSIONS ARE TO FACE OF STUD OR EXISTING SURFACE UNLESS NOTED



DEMOLITION  
PLAN

A-1.0



FINISH NOTES:  
 STAIN WOOD TRIM TO MATCH EXISTING  
 WOOD. TRIM GRADE PINE  
 STAIN: "KOLBE" OAK/CHESTNUT

FLOOR TILE:  
 GLAZED PORCELAIN  
 "EMSER" TILE  
 BOMBAY SATARA  
 BOMBAY SALSETTE

SET TILE IN RANDOM PATTERN,  
 COORDINATE WITH OWNER

GROUT:  
 "CUSTOM GROUT SOLUTIONS"  
 #52 TOBACCO BROWN

SUBMIT SAMPLES OF ALL FINISHES  
 TO OWNER FOR APPROVAL PRIOR  
 TO INSTALLATION

## FLOOR PLAN

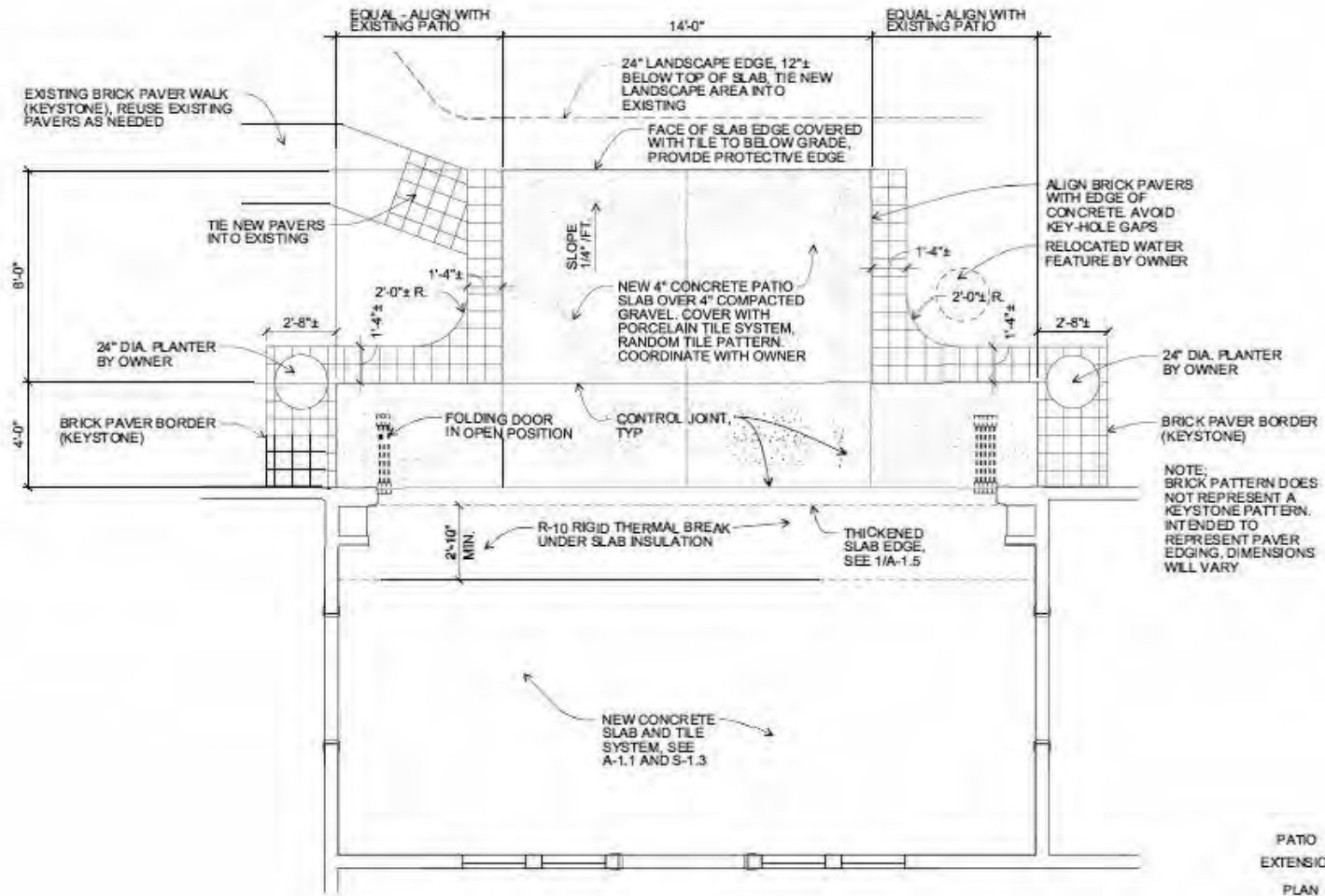
1/4" = 1'-0"

NOTES:  
 ALL DIMENSIONS ARE TO FACE OF STUD OR EXISTING  
 SURFACE UNLESS NOTED

SEE STRUCTURAL NOTES, DRAWINGS AND  
 CALCULATIONS FOR ADDITIONAL INFORMATION

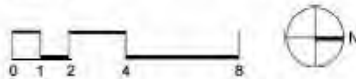


FLOOR PLAN  
 A-1.1

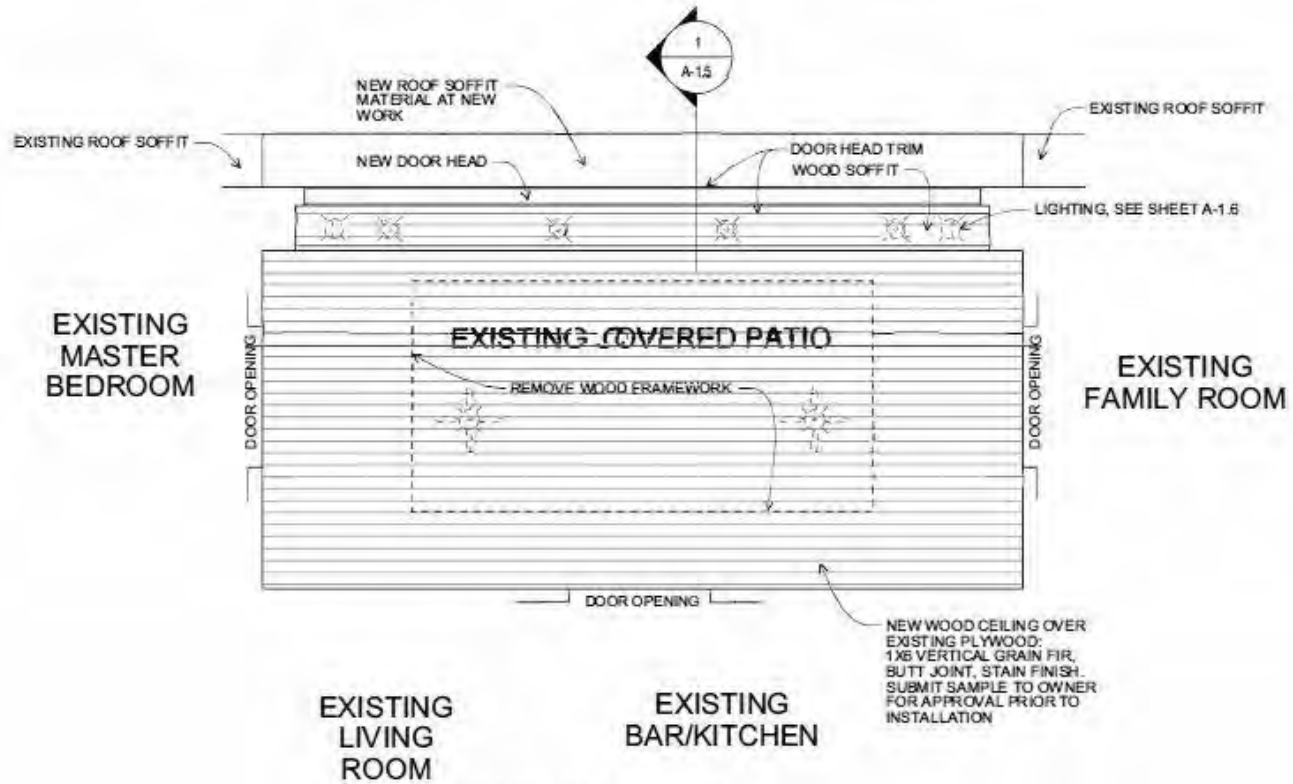


### PLAN - EXTENDED PATIO

1/4"=1'-0"



A-1.1.1



### CEILING PLAN

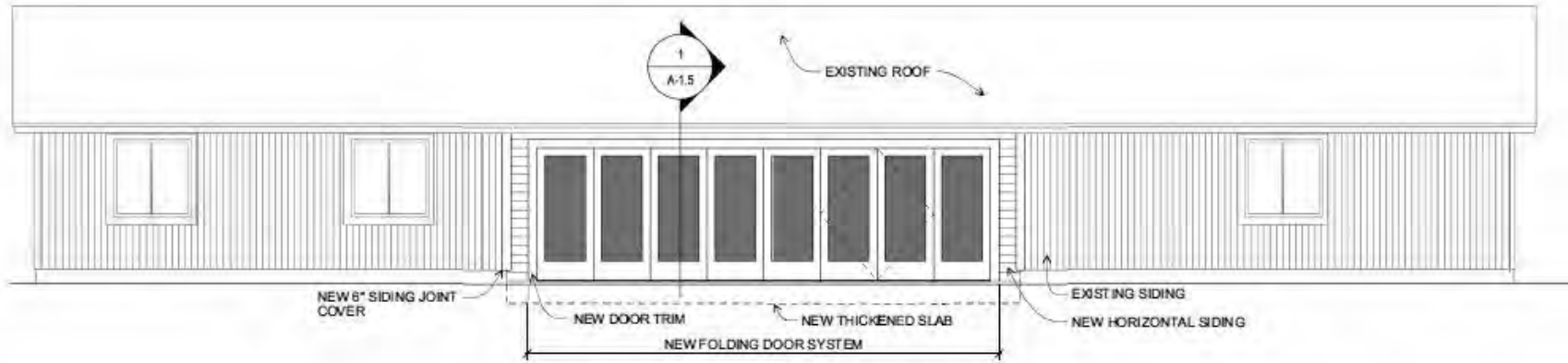
1/4"=1'-0"

NOTES:  
ALL DIMENSIONS ARE TO FACE OF STUD OR EXISTING SURFACE UNLESS NOTED

THE TERM "SEE STRUCTURAL" INDICATES SEE STRUCTURAL CALCULATIONS FROM STRUCTURAL EDGE ENGINEERING, PLLC, SEE S-1.1



REFLECTED  
CEILING  
PLAN  
A-1.2



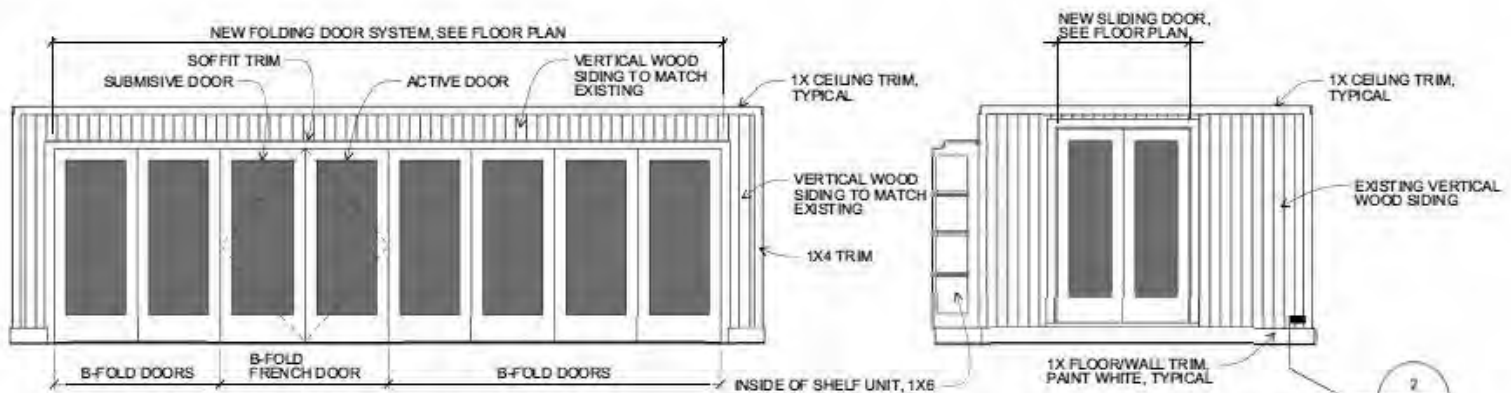
**EXTERIOR ELEVATION**

3/16"=1'-0"



- FINISH NOTES:
- PAINT: "SHERWIN WILLIAMS"
- GRAY: "DOVE TAIL" # SW7018 SATIN (T-1-11 SIDING)
  - WHITE: CUSTOM COLOR, SATIN (1x TRIM)
  - L4 CUSTOM MATCH
  - CCE+COLORANT 02 32 64 128
  - N1 RAW UMBER -- 10 -- ---

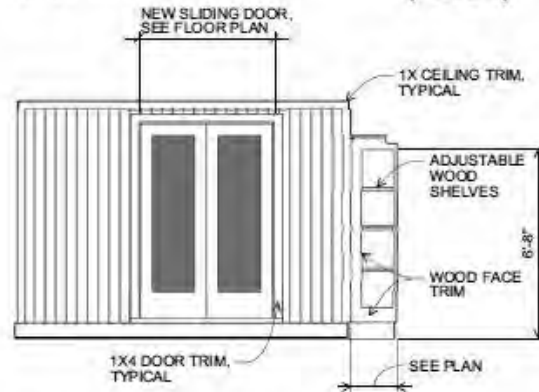
EXTERIOR  
ELEVATION  
A-1.3



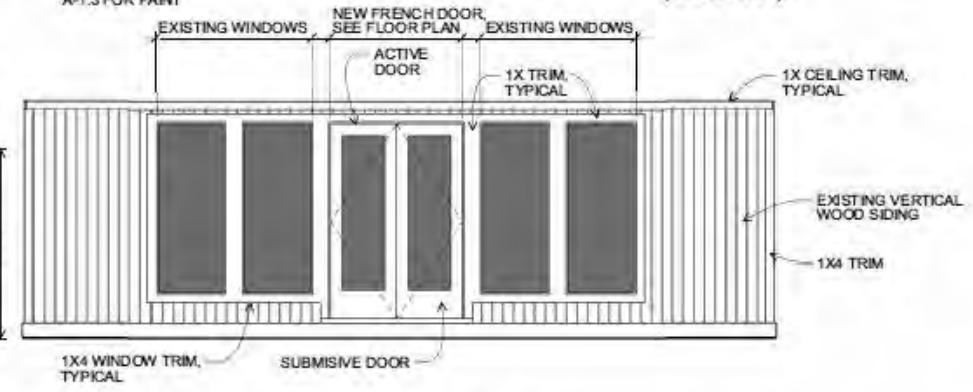
**1** INTERIOR ELEVATION (WEST)  
1/4"=1'-0"

**2** INTERIOR ELEV. (NORTH)  
1/4"=1'-0"

NOTE: REFER TO SHEET A-1.3 FOR PAINT



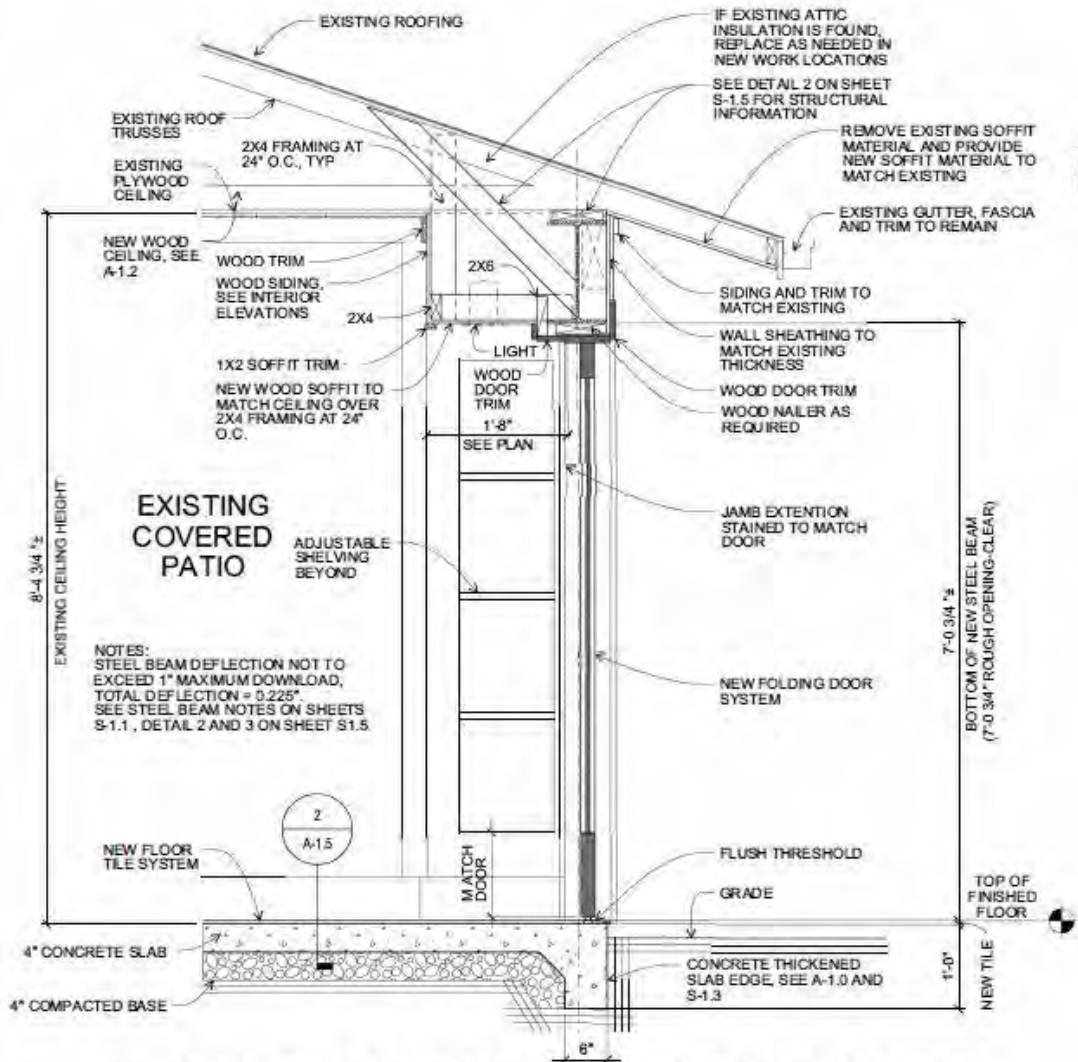
**3** INTERIOR ELEV. (SOUTH)  
1/4"=1'-0"



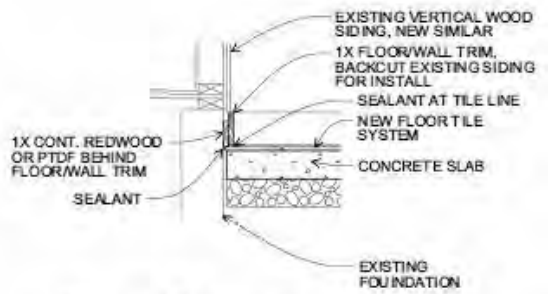
**4** INTERIOR ELEVATION (EAST)  
1/4"=1'-0"



INTERIOR ELEVATIONS  
A-1.4



**1 SECTION AT NEW FOLDING DOOR SYSTEM**  
3/4"=1'-0"



**2 FLOOR/WALL TRIM**  
3/4"=1'-0"

SECTION  
FOLDING  
DOOR  
A-1.5