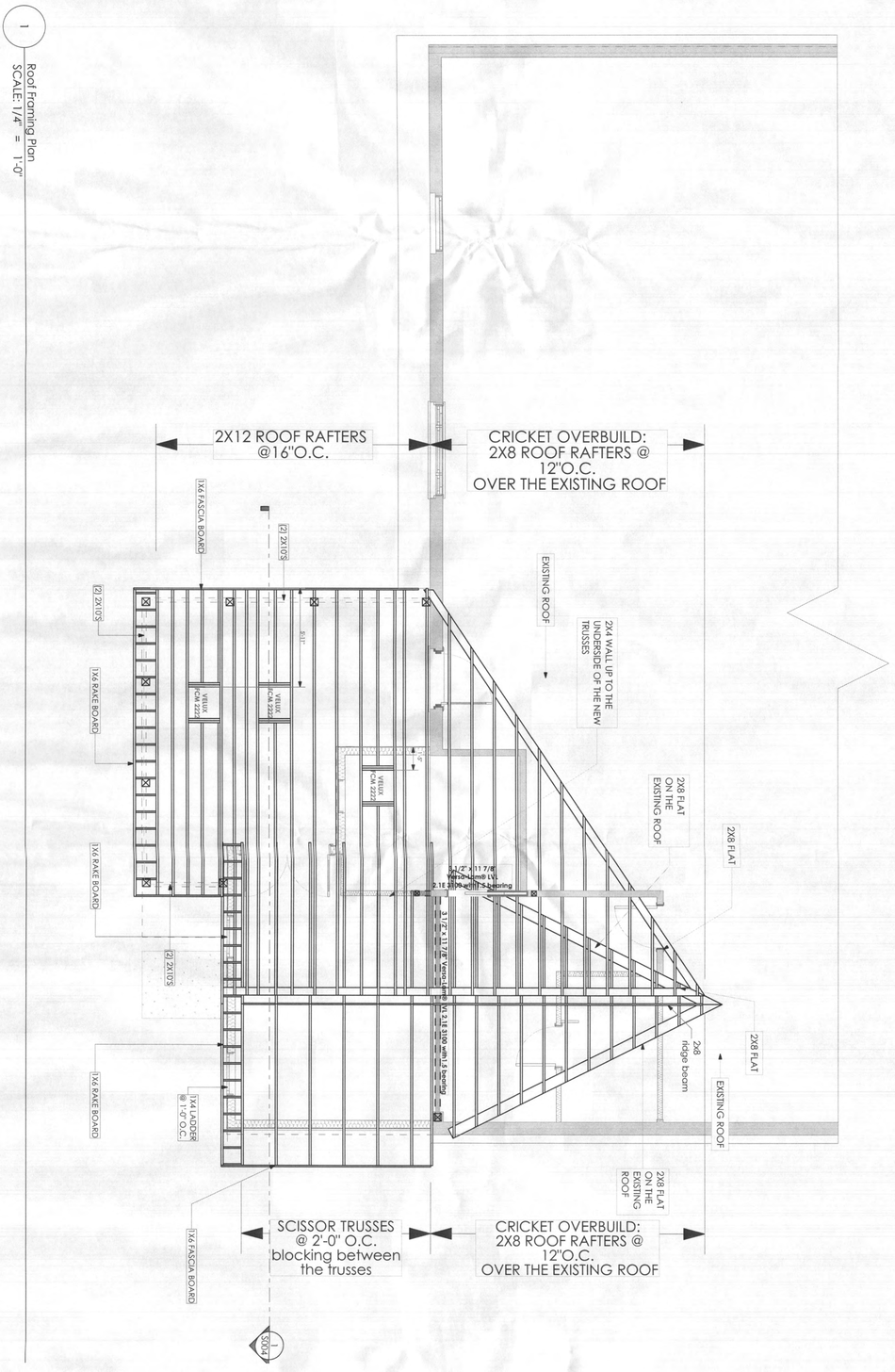
1

Roof Framing Plan
SCALE: 1/4" = 1'-0"



1

PERMIT SET

The Buchanan Residence
8862 Carrollton Ave.
Savage, MD 20763

Roof Framing Plan

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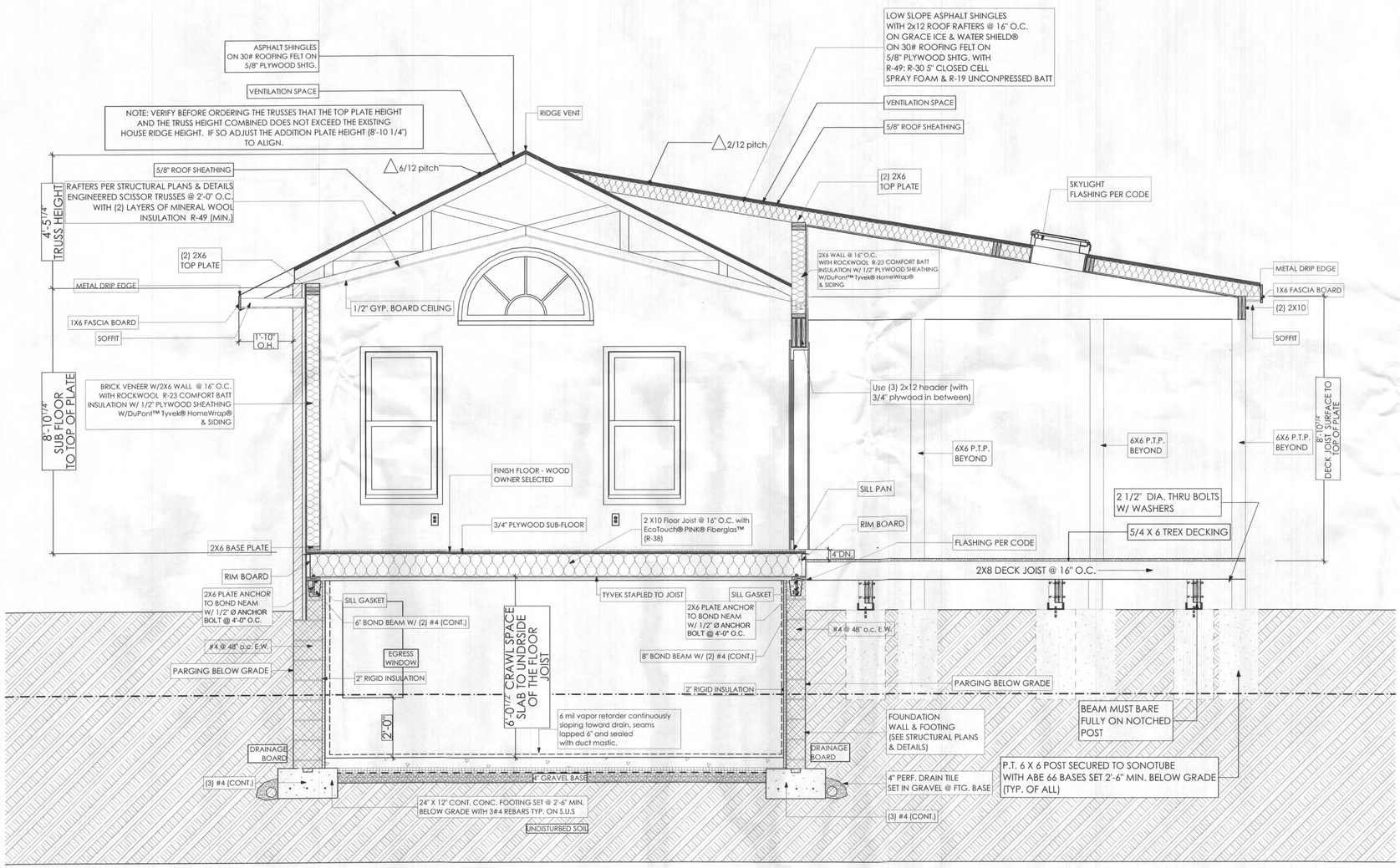
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PROJECT PHASE: PERMIT SET	ISSUE DATE: 2.27.23 REV 6.9.23 REV 7.12.23REV 7.18.23REV7.19.23REV7.26.23 REV7.27.23
DRAWN BY: CJJ	
CHECKED BY: CJJ	

S003

REFER TO THE STRUCTURAL DRAWINGS FOR VERIFICATION OF THE FINAL STRUCTURAL CONDITIONS



1 / S004 Right to Left Section

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

INSULATION GENERAL NOTES

- - - - - - - THERMAL ENVELOPE

- THERMAL INSULATION (FLASH AND BATT)
- THERMAL INSULATION (SPRAY FOAM)
- THERMAL INSULATION (RIGID)
- THERMAL OR ACOUSTICAL INSULATION (BATT)

DESIGNED TO MEET OR EXCEED THE 2021 IECC REQUIREMENTS

INSULATION MINIMUM R-VALUES:

ROOF: **R-60**
ROOF WITH ATTIC SPACE: **R-49 UNCOMPRESSED** (PER IECC R402.2.1) EXTEND FULL HEIGHT OVER TOP PLATE
ROOF WITHOUT ATTIC SPACE: **R-30 UNCOMPRESSED**(PER IECC R402.2.2) EXTEND FULL HEIGHT OVER TOP PLATE
EXTERIOR FRAMED WALLS: **R-20**
BASEMENT FURRED WALLS: **R-13**
FLOORS OVER UNCONDITIONED SPACE: **R-30**
INTERIOR SLABS (RIGID FOAM BOARD): **R-10, 4FT**
CRAWLSPACE WALL: **R-10**

INSULATION U-VALUES:

.30 - WINDOWS/DOORS (DOUBLE PANE / ARGON / LOW-E)
.55 - SKYLIGHTS (DOUBLE PANE / ARGON / LOW-E)
.4- SOLAR HEAT GAIN COEFFICIENT

AIR SEALING:

CONTINUOUS SHEATHING AND LOW-EXPANSION SPRAY FOAM AT PERIMETERS OF ALL EXTERIOR DOORS, WINDOWS AND SKYLIGHTS

ACCESS DOORS FROM CONDITIONED SPACE TO UNCONDITIONED SPACE SHALL BE WEATHERSTRIPPED AND INSULATED TO EQUIVALENT VALUE OF ADJACENT WALL OR CEILING

DUCT SHAFTS, UTILITY PENETRATIONS AND FLUE SHAFTS OPENING TO EXTERIOR OR UNCONDITIONED SPACE SHALL BE SEALED

RECESSED LIGHT FIXTURES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE AIR TIGHT, IC RATED AND SEALED TO THE DRYWALL

EXTERIOR WALLS ADJACENT TO SHOWERS AND TUBS SHALL BE INSULATED AND THE AIR BARRIER INSTALLED SEPERATING THEM FROM THE SHOWERS AND TUBS

THE AIR BARRIER SHALL BE INSTALLED BEHIND ELECTRICAL OR COMMUNICATION BOXES OR AIR SEALED BOXES SHALL BE INSTALLED

S004

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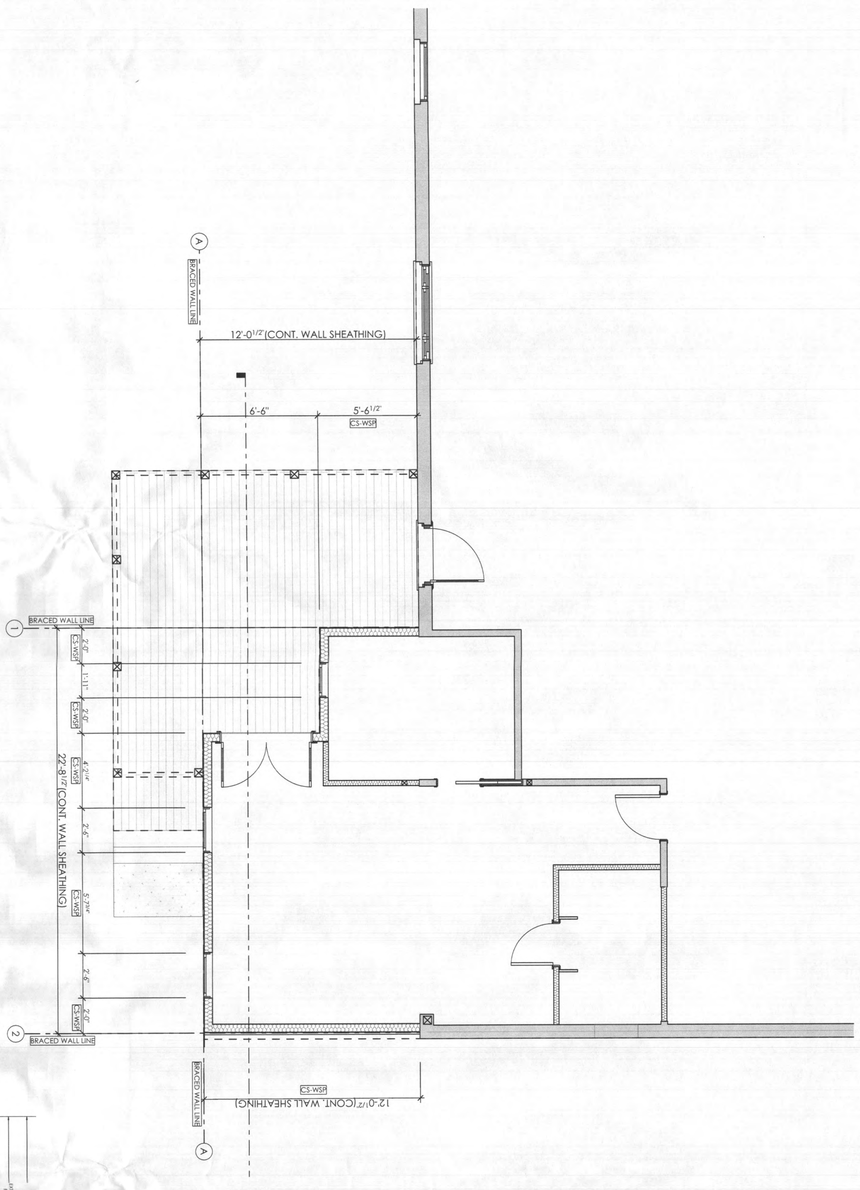
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PERMIT SET

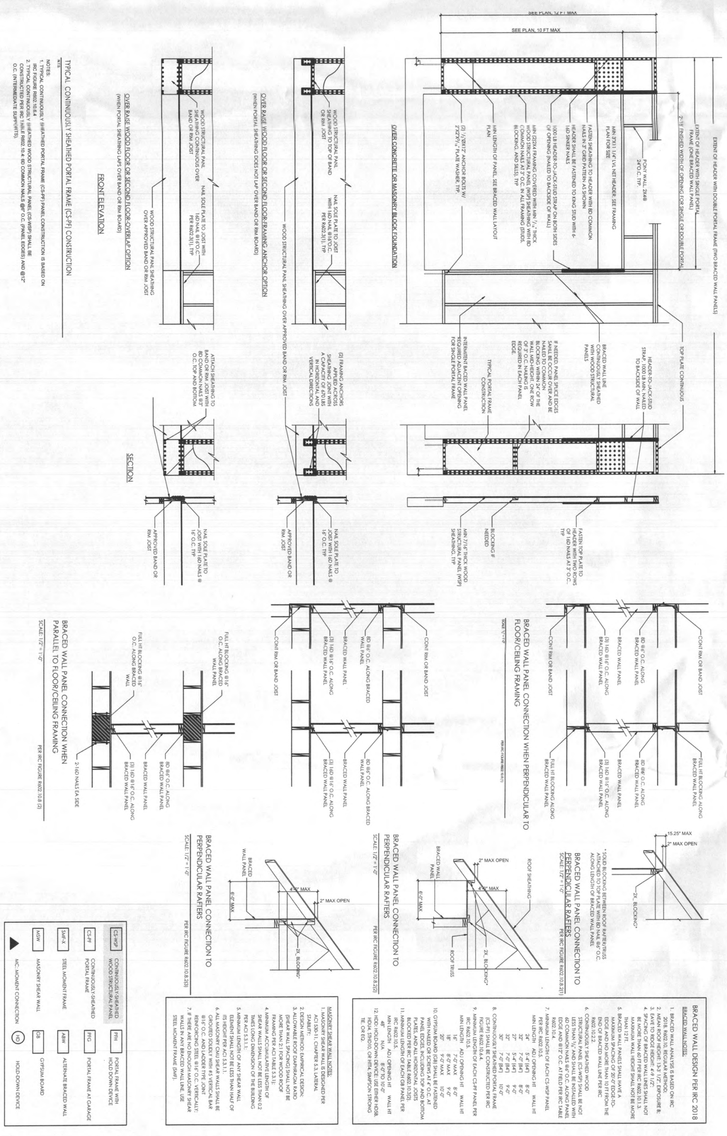
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Section

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1 First Floor Braced Wall Plan
SCALE: 1/4" = 1'-0"



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Braced Wall Plan & Notes

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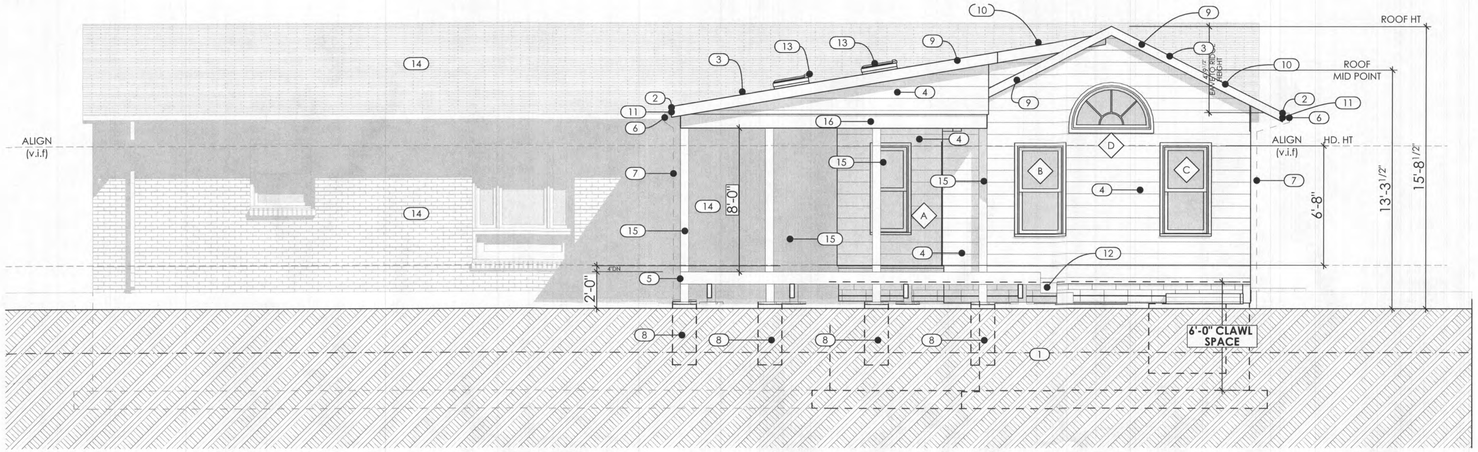
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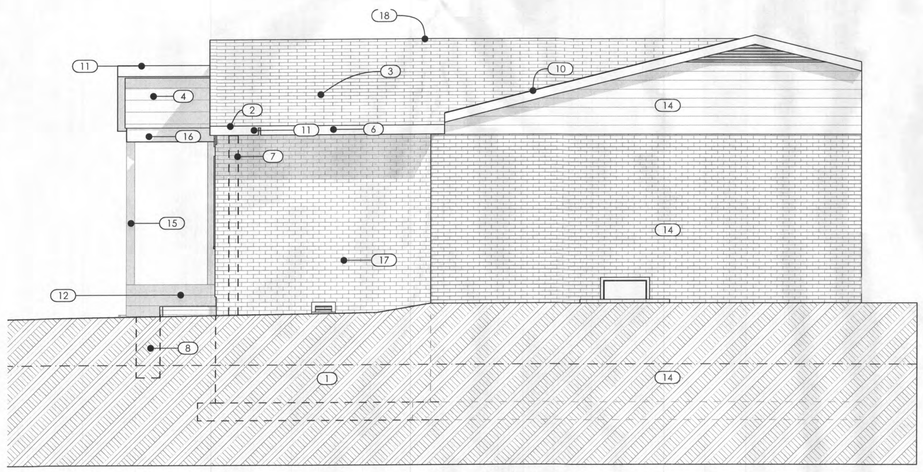
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S005

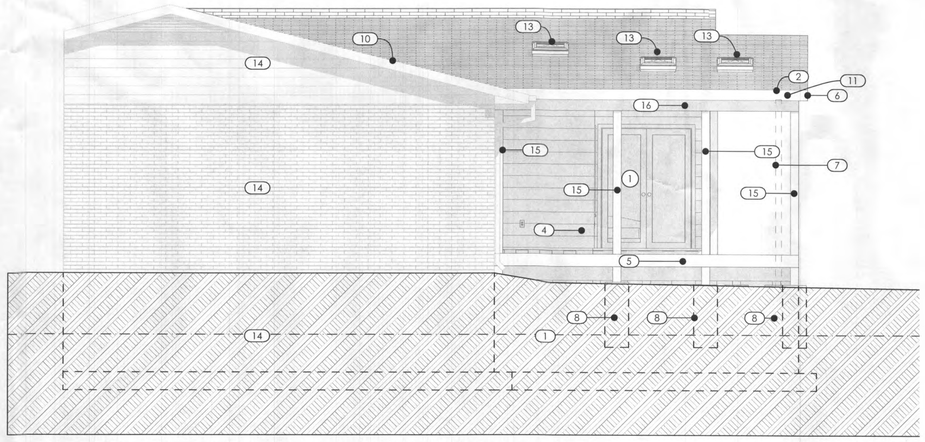
DRAWING SYMBOL KEYS
DOOR
PLUMBING FIXTURE
WINDOW
APPLIANCE
SKYLIGHT
LIGHT FIXTURE
WALL TYPE KEY
ELEVATION KEYNOTE
DOWN SPOUT
WALL LEGEND
NEW WALL
3'-0" MAX
BATHROOM
8'-1" V.I.F.
W.I.C.
BEDROOM
DECK
MATCH T/O CRAWL SPACE
5'-11 1/2"
5'-8"
4'-5 3/4"
3 1/2"
2'-11"
2'-6"
3'-3"
13'-4 1/2"
19'-0"
5'-4"
15'-10 1/4"
11'-6 1/2"
12'-0"
6'-7 1/2"
5 1/2"
4'-0"
11"
17'-0 1/2"
20'-2"
11" 11"
1'-11 1/2"
1'-11"
2'-0 1/4"
4'-1 3/4"
2'-6"
5'-7 3/4"
2'-6"
1'-11 1/2"
5'-10 3/4"
16'-8 3/4"
2 A003
3 A003
1 A003
1 S004
First Floor
SCALE: 1/4" = 1'-0"
FLASHING @ ROOF TO VALLEY CONNECTION
FLASHING @ ROOF TO VALLEY CONNECTION
ASPHALT SHINGLES ON #30 ROOFING PAPER ON 5/8" PLYWOOD SHEATHING (MATCH EXIST.)
NEW GUTTER
VERIFY THE CONDITION OF THE OLD GUTTER FOR POSSIBLE REUSE.
FLASHING AROUND THE SKYLIGHT PER MANUFACTURER & CODE
FCM2222
RIDGE VENT
ASPHALT SHINGLES ON #30 ROOFING PAPER ON 5/8" PLYWOOD SHEATHING (MATCH EXIST.)
D.S.
FLASH AROUND THE SKYLIGHT PER THE MANUFACTER ACCORDING TO THE BUILDING CODES.
NEW ROOF
NEW GUTTER
1'-10"
2 A003
3 A003
1 A003
1 S004
Roof Plan
SCALE: 1/4" = 1'-0"
A001
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1 A003 Rear Elevation
SCALE: 1/4" = 1'-0"



3 A003 Left Elevation
SCALE: 1/4" = 1'-0"



2 A003 Right Elevation
SCALE: 1/4" = 1'-0"

DRAWING SYMBOL KEYS

- DOOR
- PLUMBING FIXTURE
- WINDOW
- APPLIANCE
- SKYLIGHT
- LIGHT FIXTURE
- WALL TYPE KEY
- ELEVATION KEYNOTE
- DOWN SPOUT

ELEVATION KEY NOTES

1 NEW FOOTING & FOUNDATION WALL PER STRUCTURAL PLAN

2 METAL DRIP EDGE

3 ASPHALT SHINGLES ON #30 ROOFING FELT ON 5/8" PLYWOOD SHTG.

4 Exterior Siding - MATCH EXIST. (Owner Selected)

5 1X8 DECK RIM BOARD

6 METAL GUTTER

7 METAL DOWNSPOUT

8 DECK FOOTING PER STRUCTURAL PLANS

9 1 x 6 RAKE TRIM

10 FLASHING AT ROOF VALLEY

11 1 x 6 FASCIA BOARD

12 STEPS PER CODE

13 SKYLIGHT

14 EXISTING

15 6X6 P.T.P. POST

16 (2) 2X10 BEAM

17 BRICK VENEER TO MATCH THE EXISTING

18 RIDGE VENT

A003

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Rear, Left & Right Elevation

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