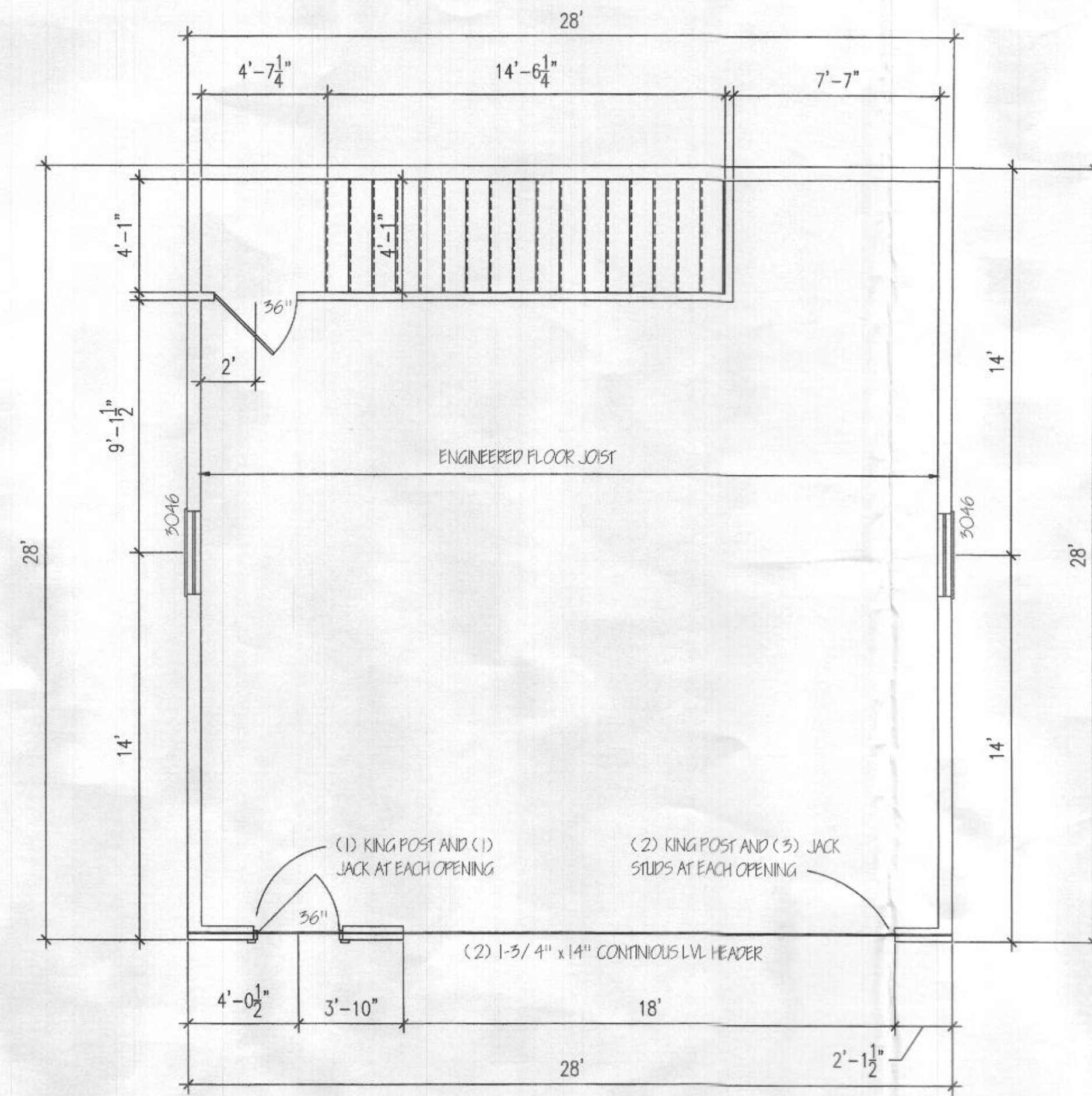


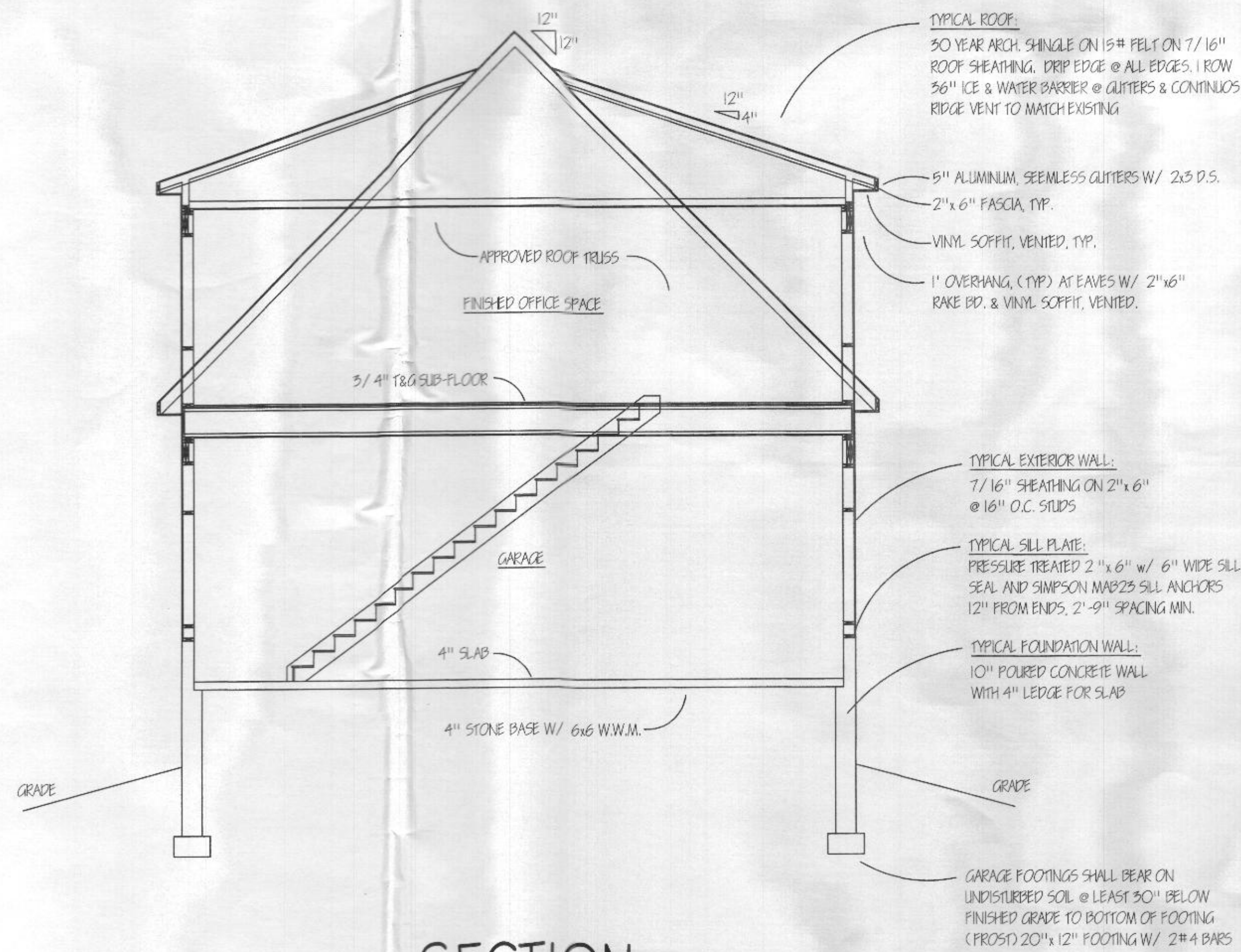
FOUNDATION PLAN

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



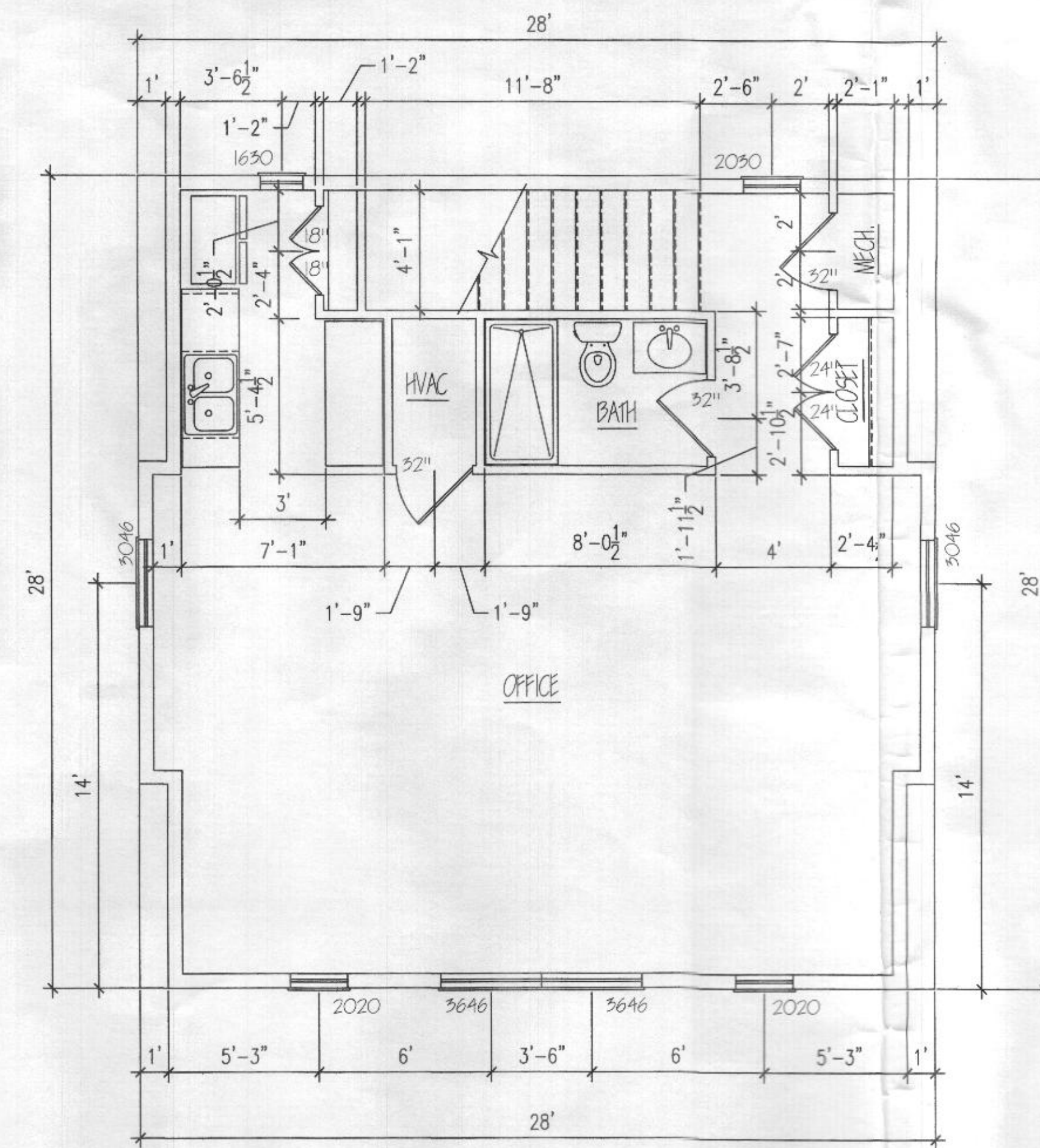
FIRST FLOOR PLAN

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



SECTION

SCALE = N.T.S.



SECOND FLOOR PLAN

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

REVISIONS

KNW
construction
design · build

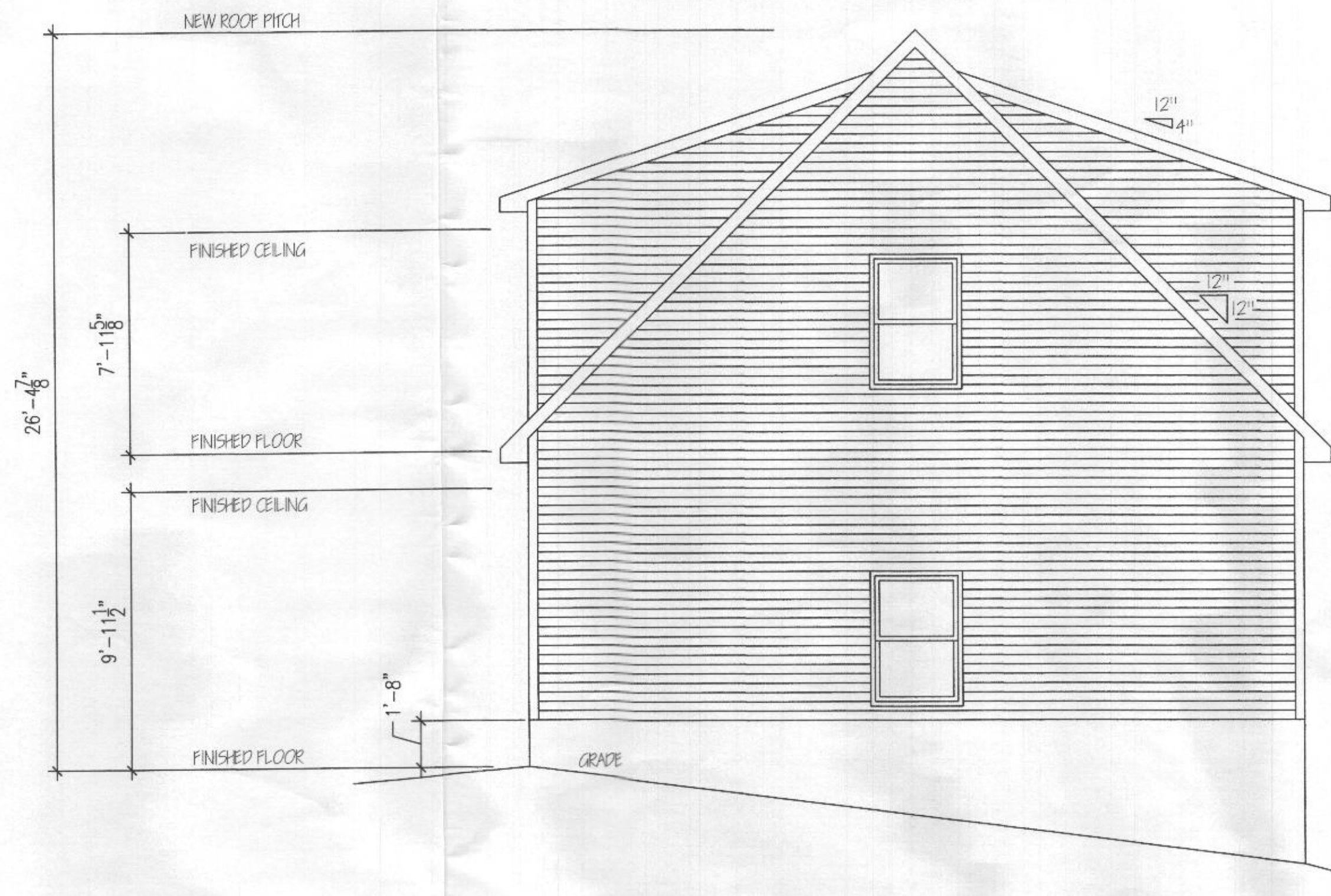
DETACHED GARAGE
Scott Ackerman
16375 Paulownia Hill Court
Mt. Airy, Maryland 21771

PLANS AND SECTION

GARAGE

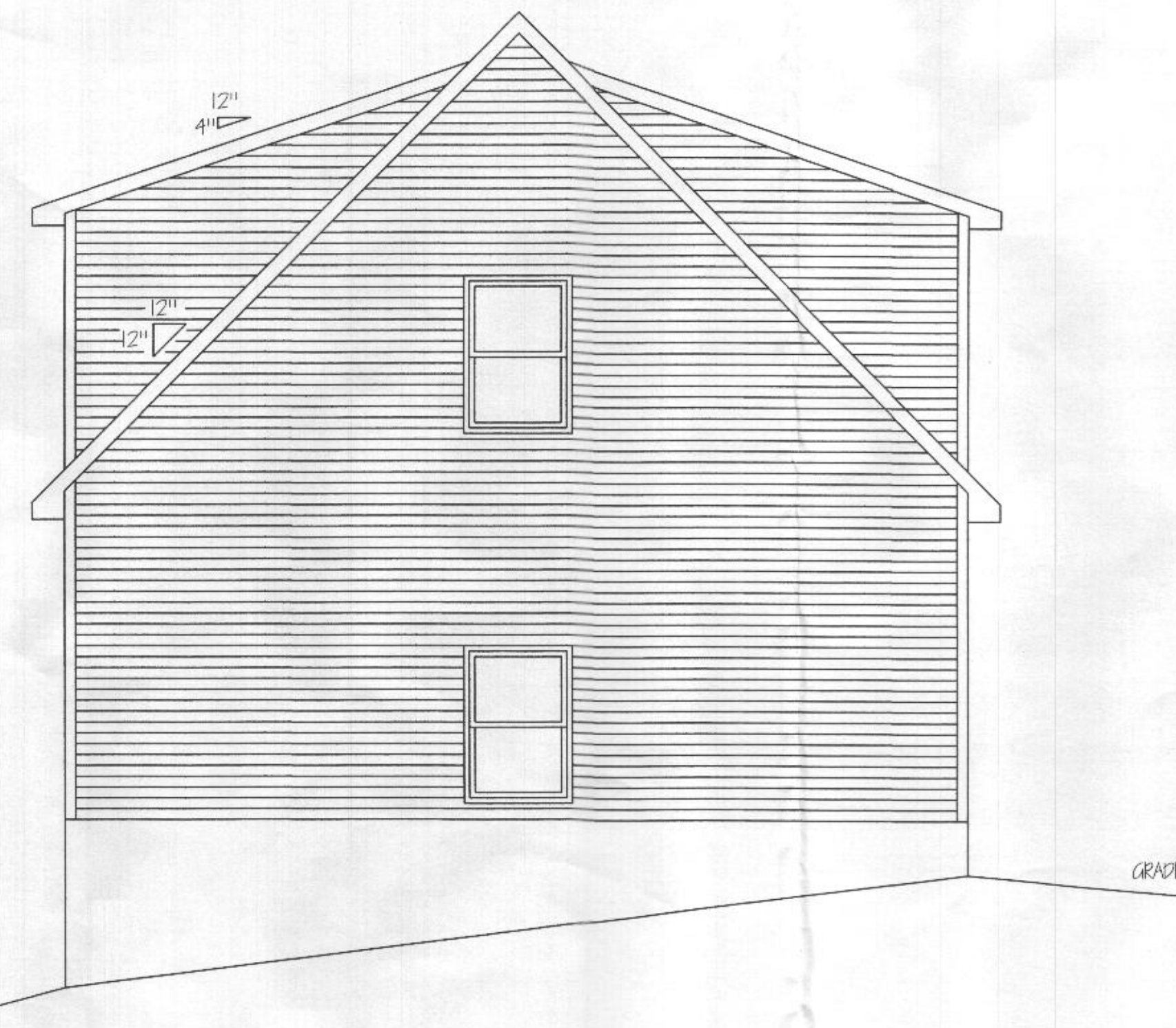
G-1

DWG FILE: ACKERMAN.dwg SCALE: 1/4" = 1'-0"
DATE: 08/16/20 DRAWN BY: KNW



LEFT SIDE ELEVATION

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



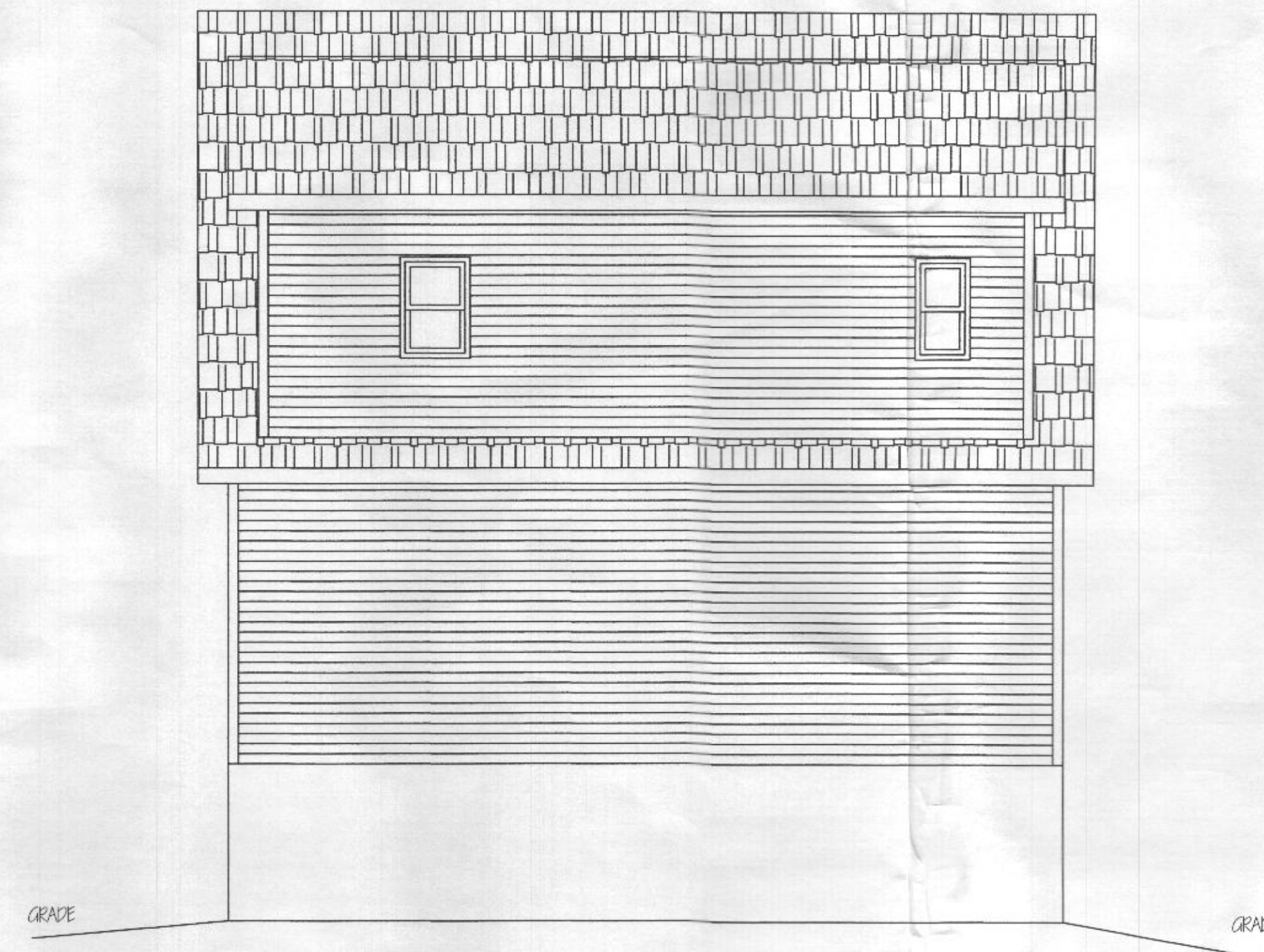
RIGHT SIDE ELEVATION

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



FRONT ELEVATION

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



REAR ELEVATION

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

REVISIONS

KNJ
construction
design • build

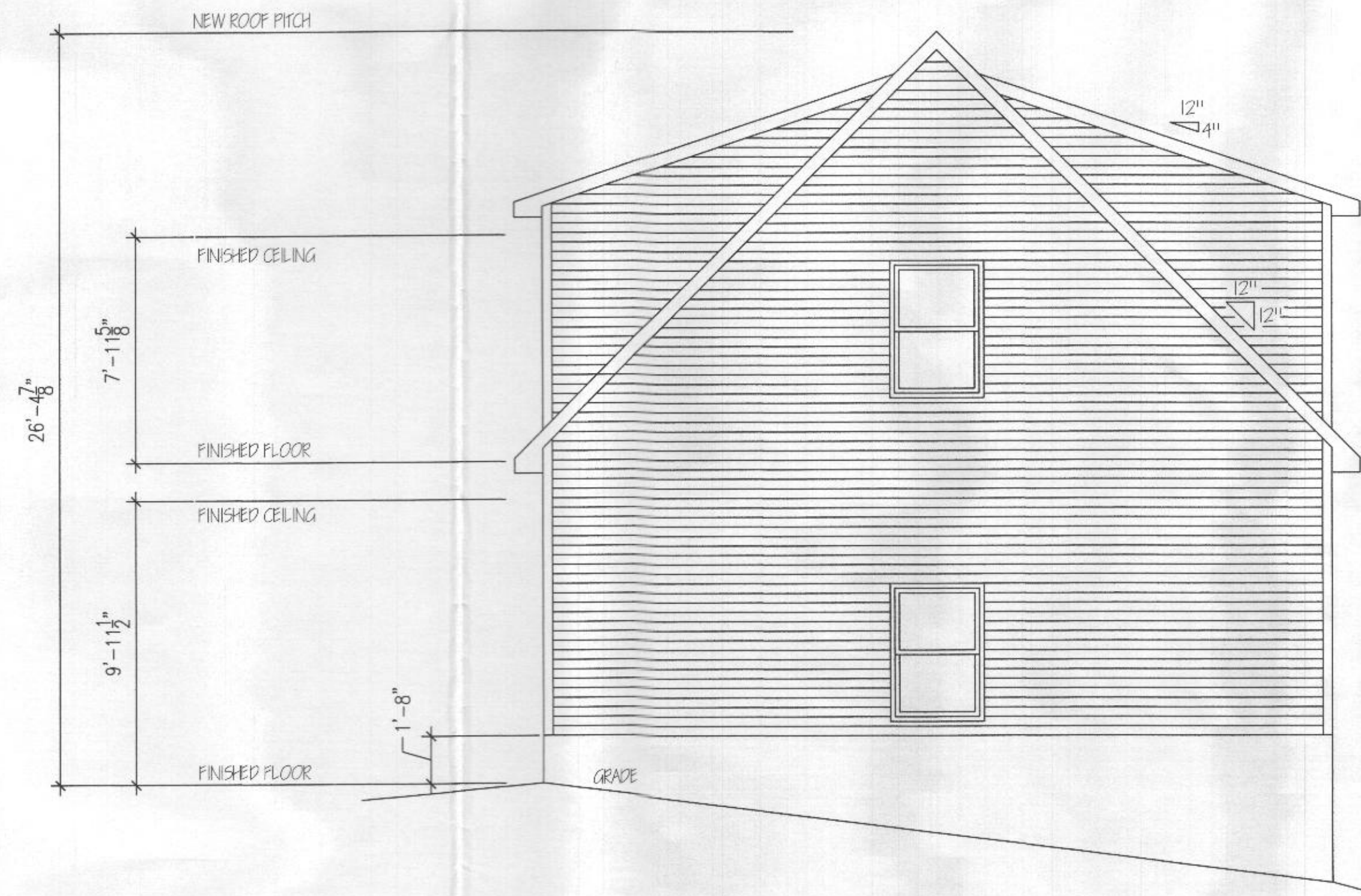
DETACHED GARAGE
Scott Ackerman
16375 Paulownia Hill Court
Mt. Airy, Maryland 21771

ELEVATIONS

DWG FILE: ACKERMAN.dwg
DATE :08/16/20
SCALE :1/4" = 1'-0"
DRAWN BY: KNJ

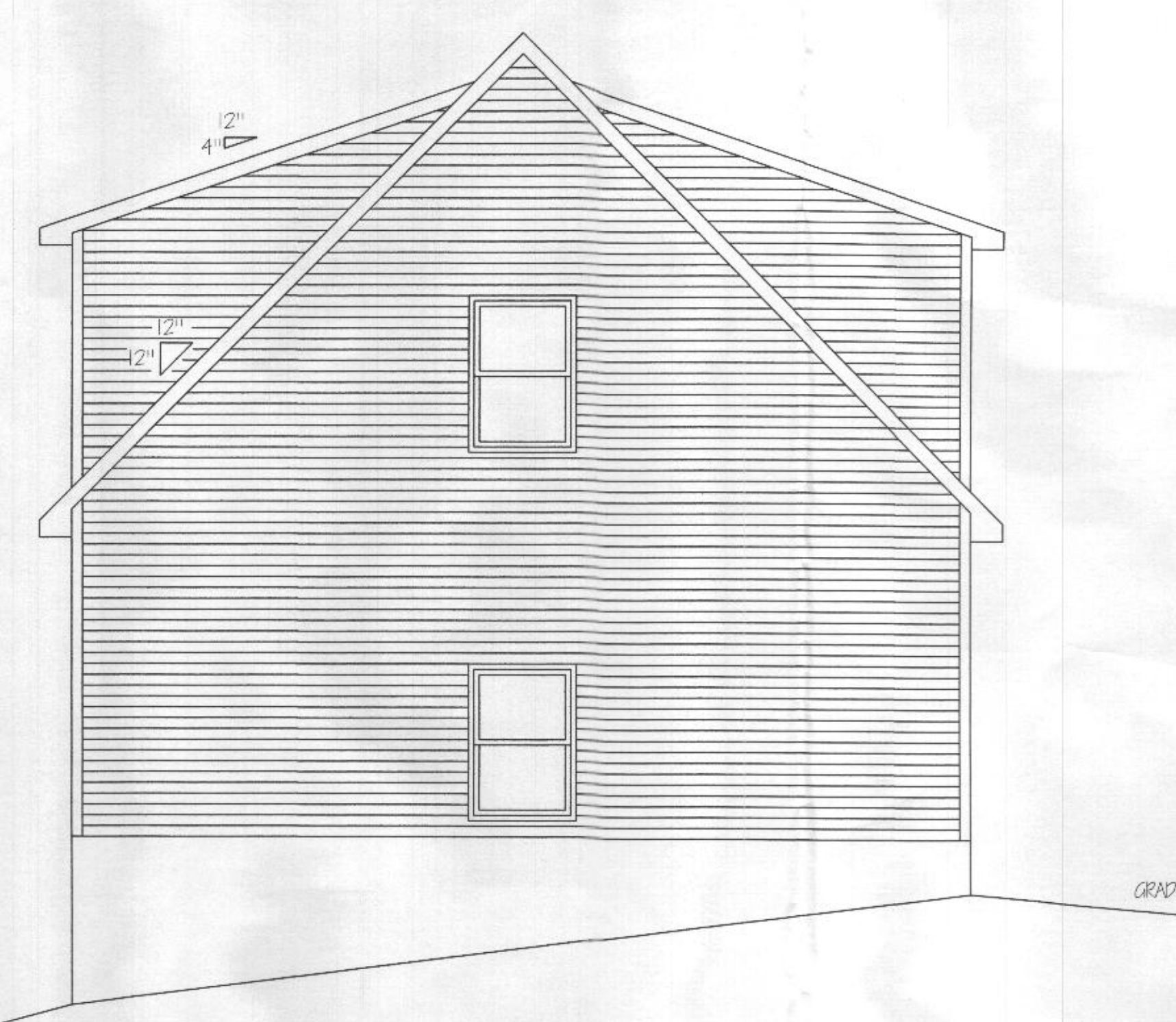
GARAGE

G-2



LEFT SIDE ELEVATION

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



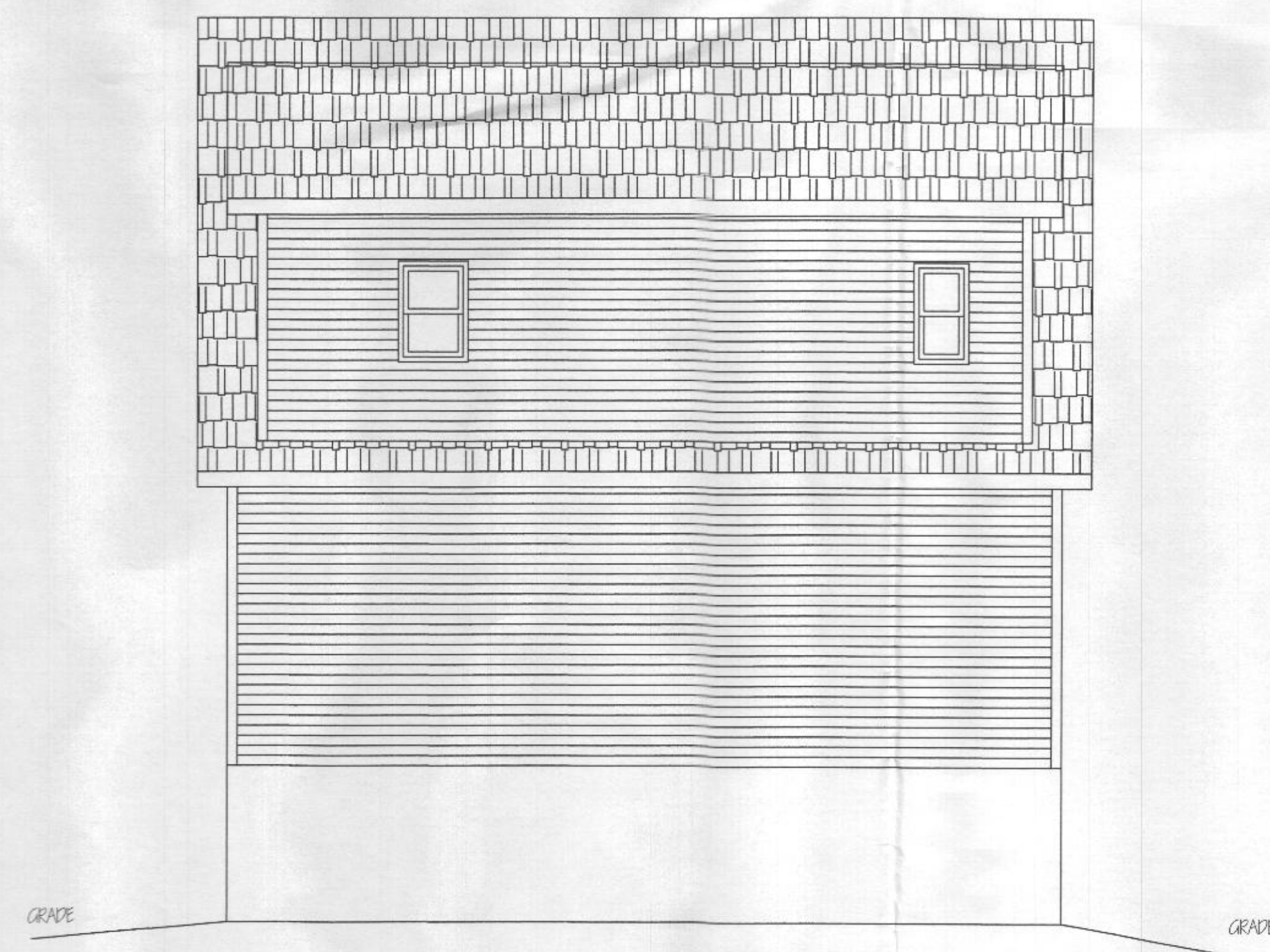
RIGHT SIDE ELEVATION

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



FRONT ELEVATION

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



REAR ELEVATION

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

| REVISIONS | REVISION | DATE |
|-----------|---|----------|
| 1 | REVISE DRAWING TO ACCOMMODATE REVIEW COMMENTS | 12-08-20 |

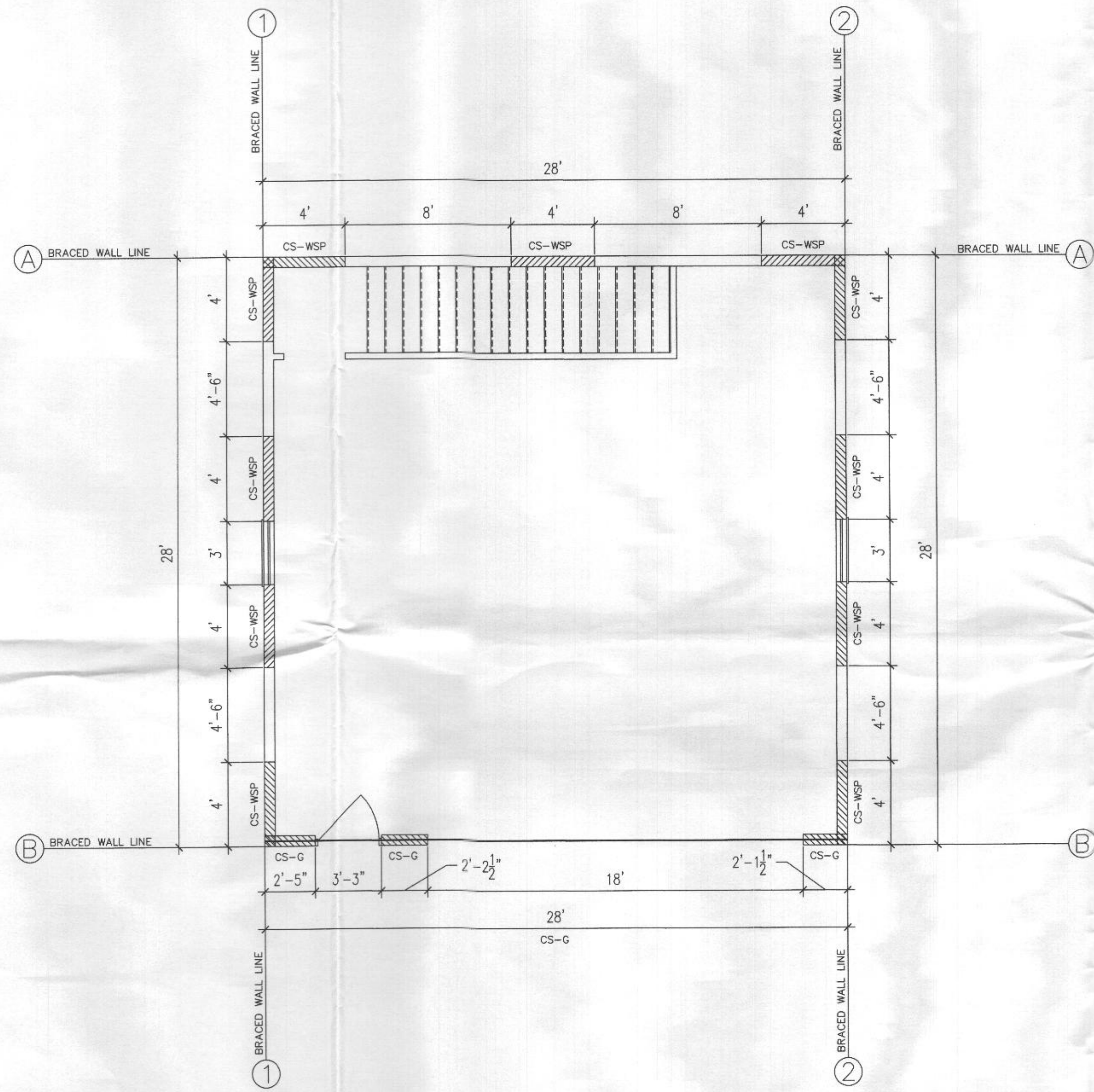


DETACHED GARAGE
 Scott Ackerman
 16375 Paulownia Hill Court
 Mt. Airy, Maryland 21771

| ELEVATIONS | SCALE | DRAWN BY |
|------------------------|---------------|----------|
| DWG FILE: ACKERMAN.dwg | :1/4" = 1'-0" | KNJ |
| DATE :08/16/20 | | |

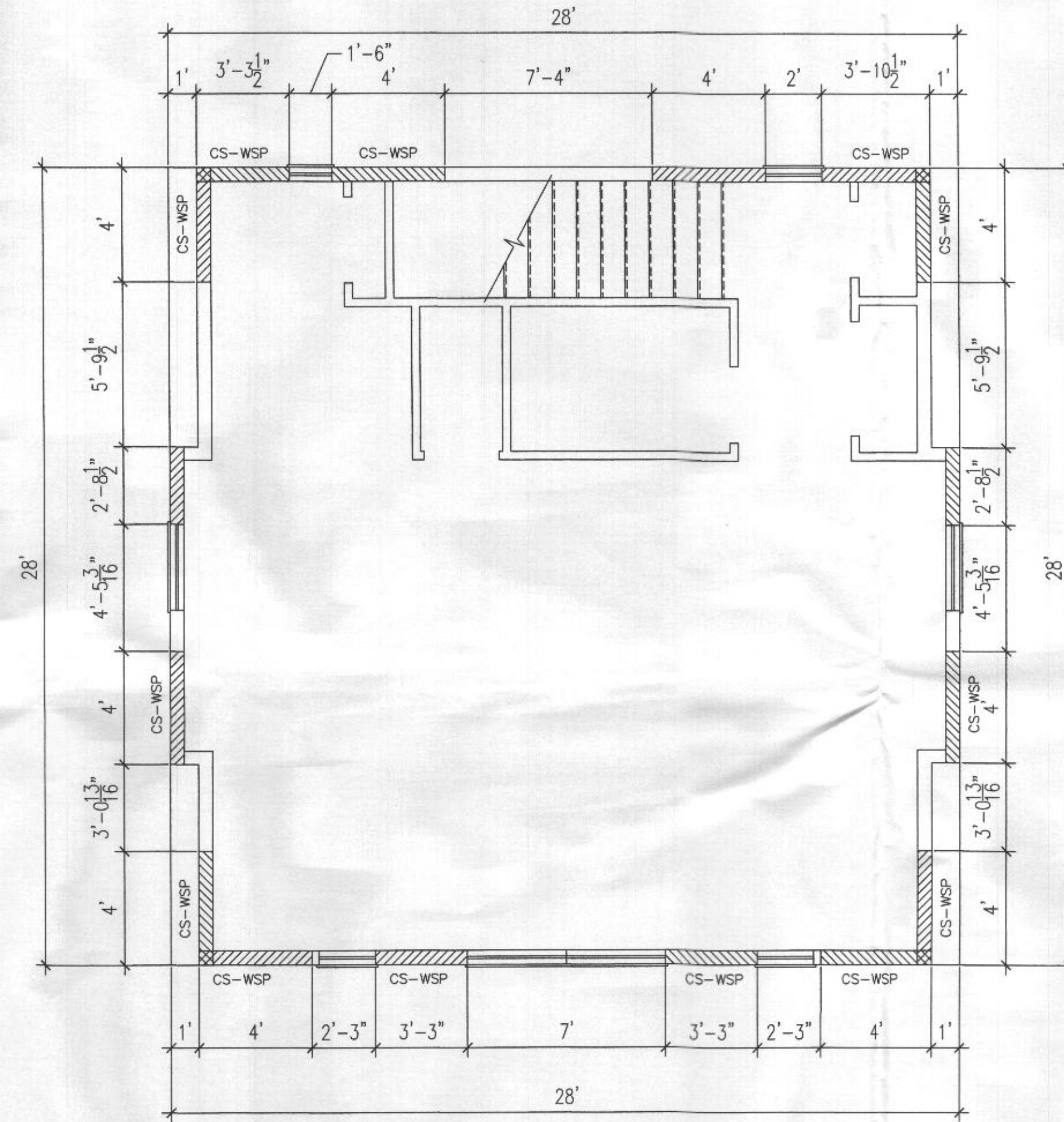
GARAGE

G-2



FIRST FLOOR WALL BRACING PLAN

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



SECOND FLOOR WALL BRACING PLAN

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

LEGEND:

| | |
|--------|---|
| CS-WSP | CONTINUOUS SHEATHING- WOOD STRUCTURAL PANEL (-LENGTH) |
| CS-PF | CONTINUOUS SHEATHED PORTAL FRAME |
| CS-G | CONTINUOUS SHEATHING- GARAGE DOOR OPENING |
| GB | GYPSUM 2 SIDED |
| ⊕ | TIE DOWN DEVICE (-LBS) |

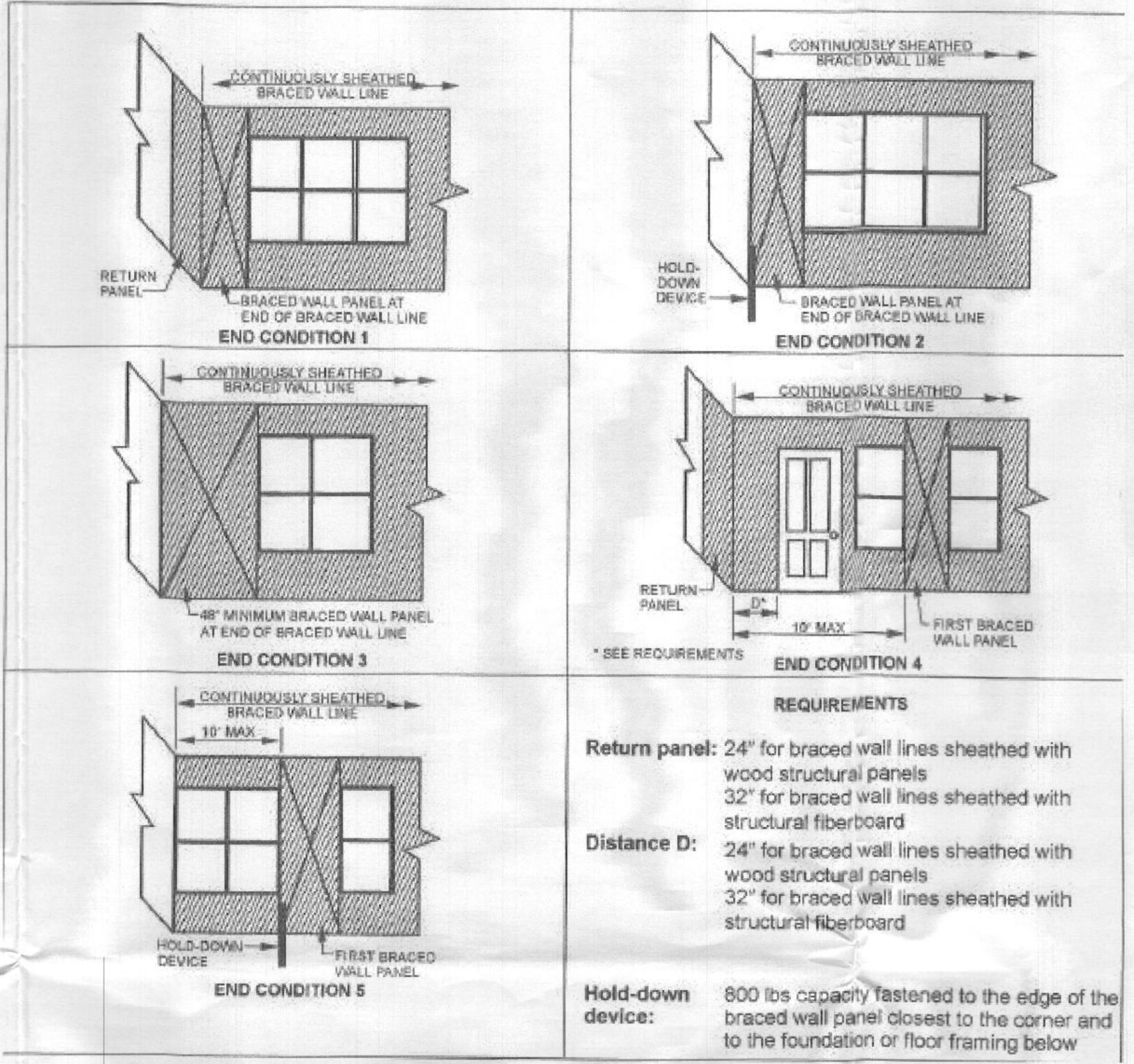
WALL BRACING DESIGN INFO:

LOCATION: CARROLL COUNTY, MARYLAND
 SEISMIC CATEGORY: B
 WIND SPEED: 90 MPH

METHOD 3 (WOOD SHEATHING)/ CONTINUOUS SHEATHING
 METHOD 5 (GYPSUM BOARD)

*THESE DRAWINGS ARE LIMITED TO IRC WALL BRACING REQUIREMENTS ONLY.

R602.10.4 CONTINUOUS SHEATHING. BRACED WALL LINES WITH CONTINUOUS SHEATHING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THIS SECTION. ALL BRACED WALL LINES ALONG EXTERIOR WALLS ON THE SAME STORY SHALL BE CONTINUOUSLY SHEATHED.



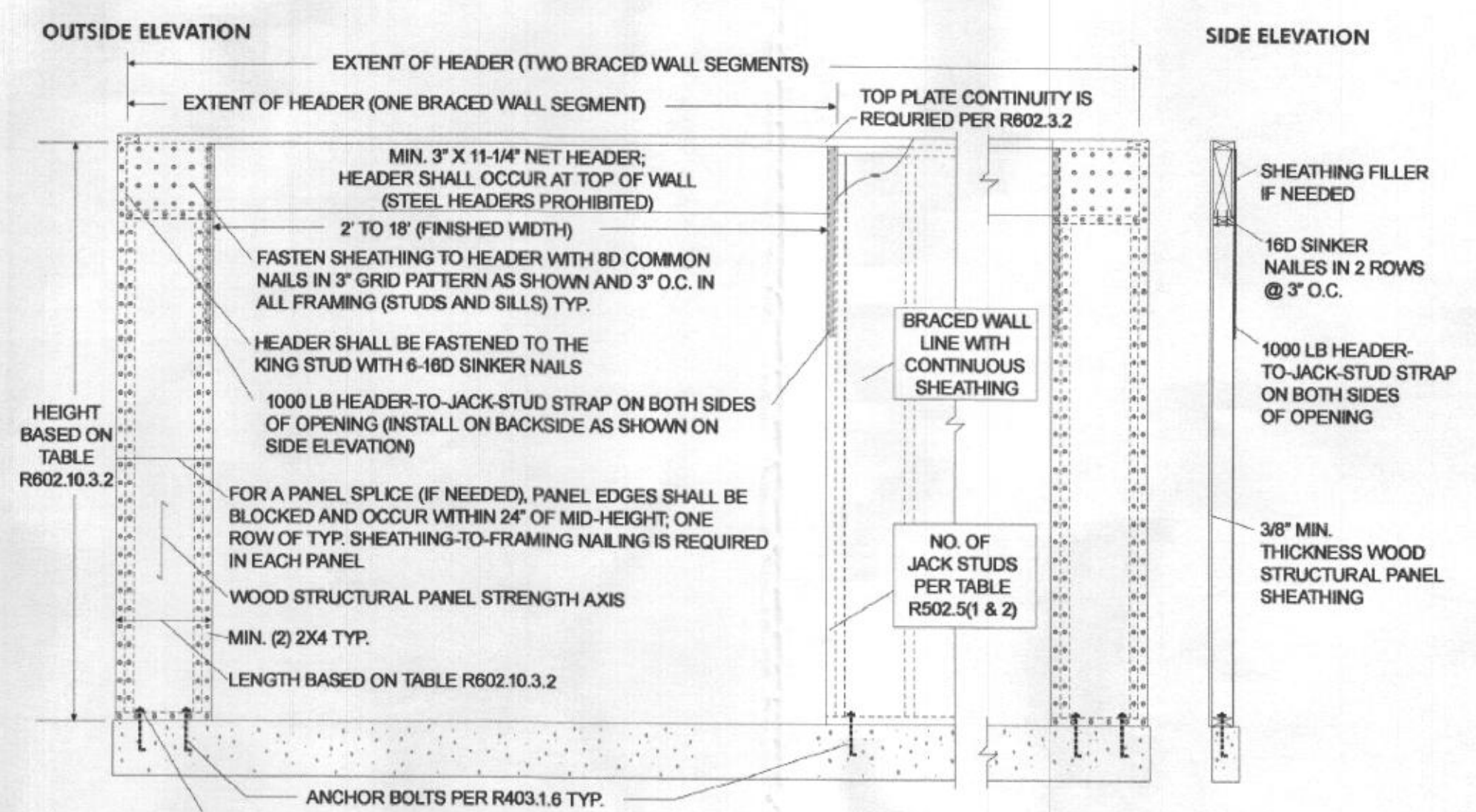
REQUIREMENTS

Return panel: 24\"/>

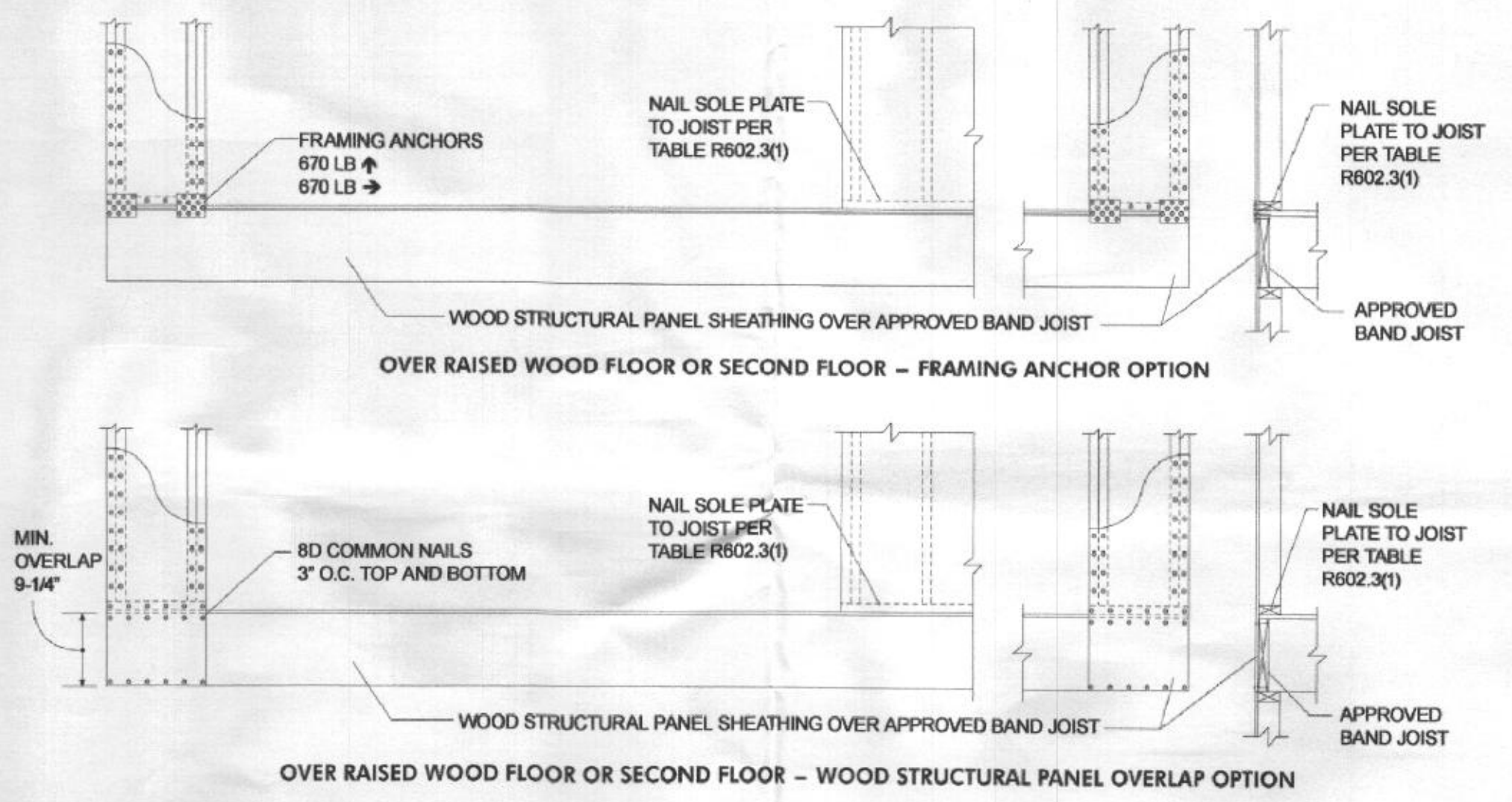
Distance D: 24\"/>

Hold-down device: 800 lbs capacity fastened to the edge of the braced wall panel closest to the corner and to the foundation or floor framing below

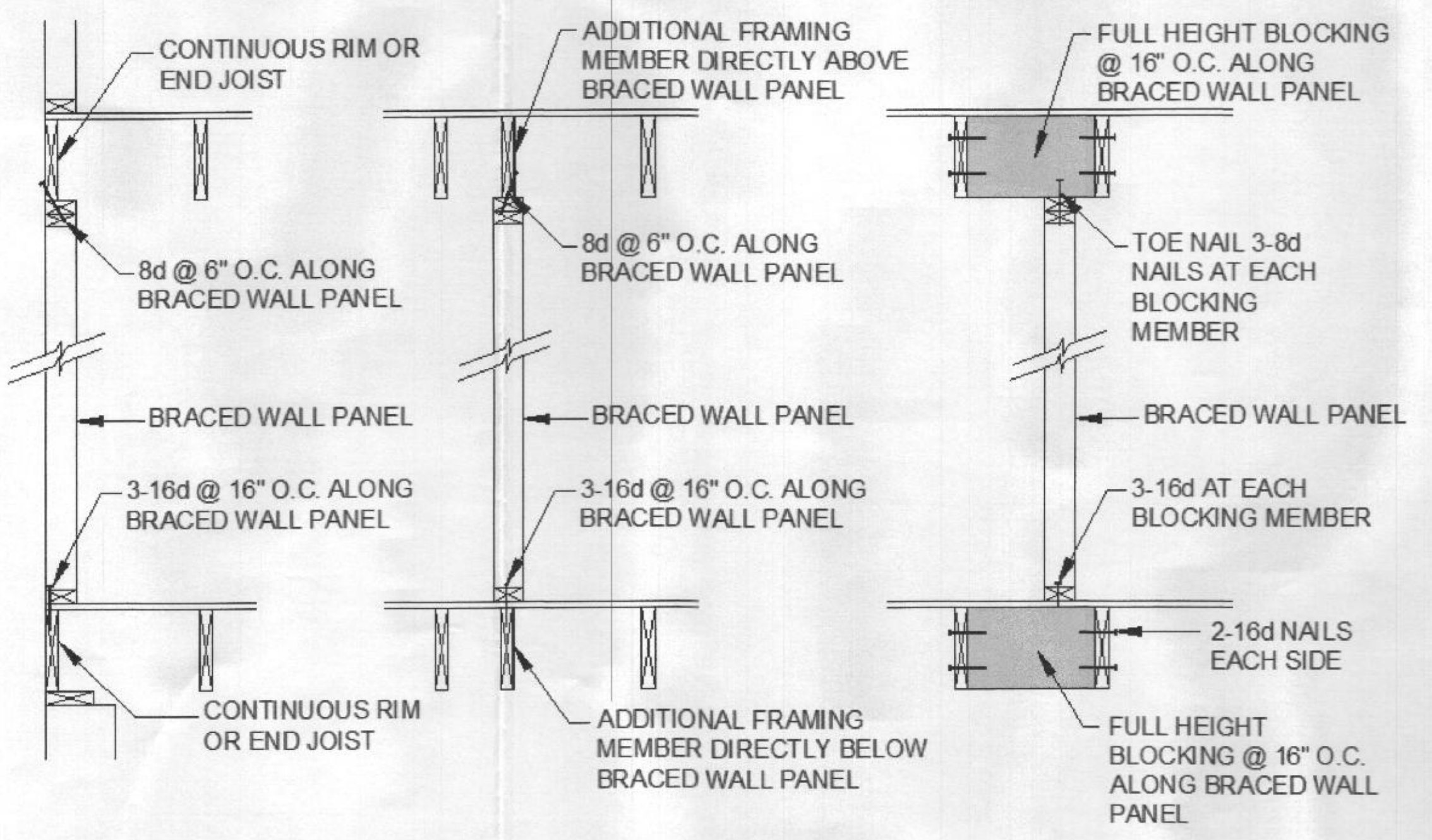
CORNER CONDITIONS
NOT TO SCALE



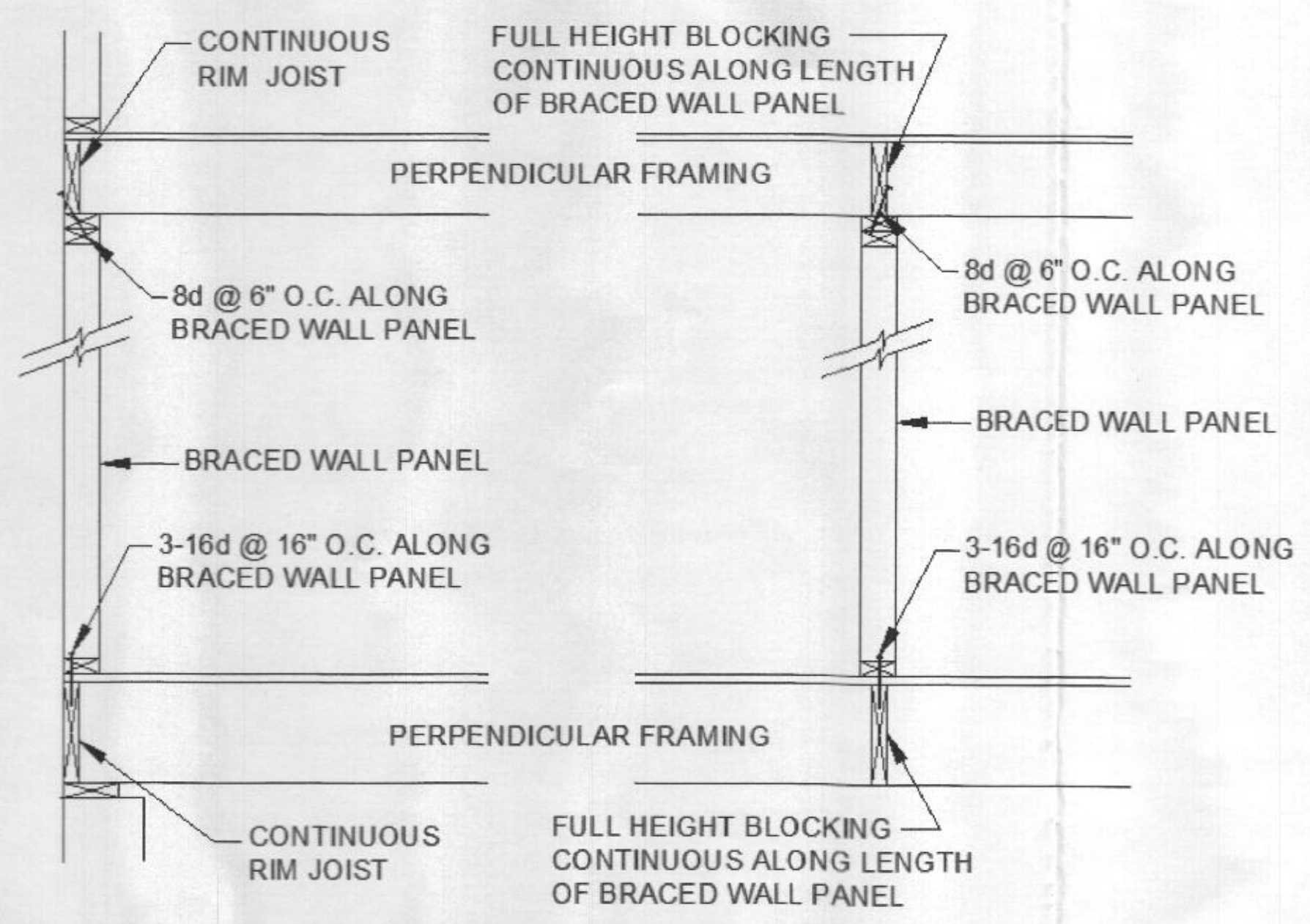
CS-PF OVER CONCRETE OR MASONRY FOUNDATION
NOT TO SCALE



CS-PF OVER WOOD FLOOR
NOT TO SCALE



PARALLEL CONNECTIONS
NOT TO SCALE



PERPENDICULAR CONNECTIONS
NOT TO SCALE

REVISIONS

| | | |
|---|----------|---|
| 1 | 12-09-20 | PREP DRAWING TO ACCOMMODATE REVIEW COMMENTS |
|---|----------|---|



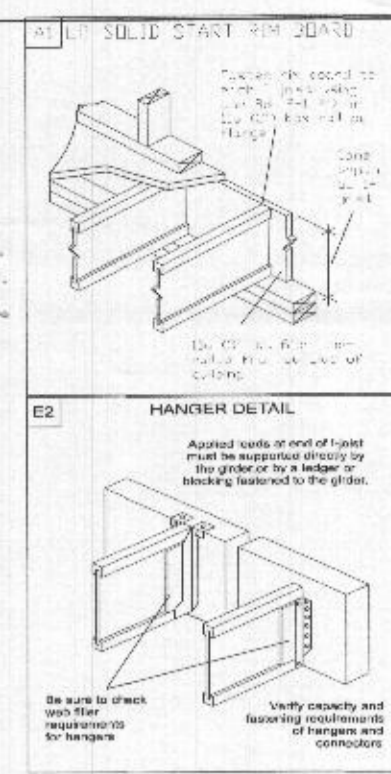
DETACHED GARAGE
 Scott Ackerman
 16375 Paulownia Hill Court
 Mt. Airy, Maryland 21771

WALL BRACING DETAILS

DWG FILE: ACKERMAN.dwg
 DATE: 08/16/20
 SCALE: 1/4" = 1'-0"
 DRAWN BY: KNW

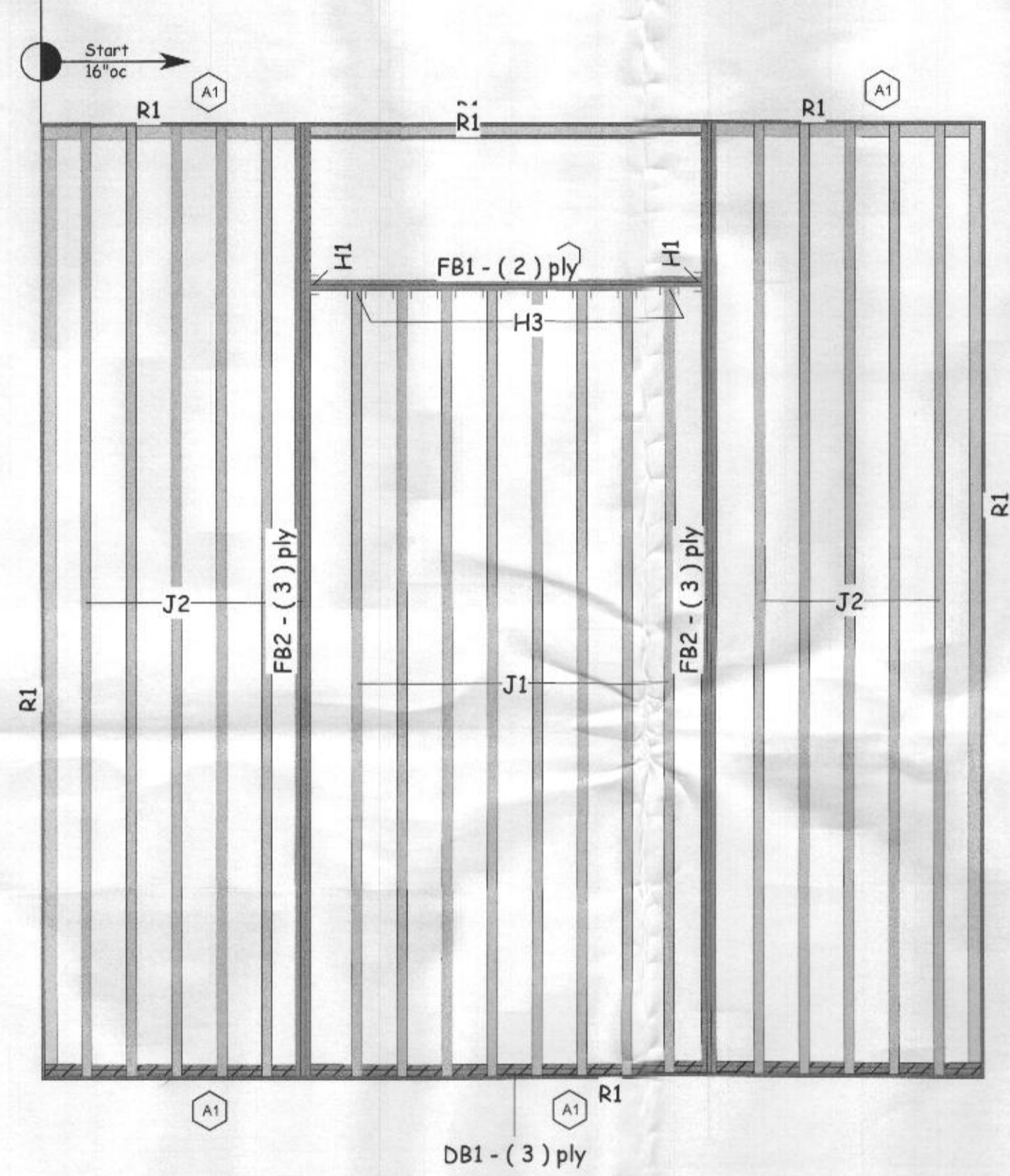
GARAGE

G-4



This drawing is a general interpretation of the construction drawings for this project and assumes the adequacy of the supporting structure. It is intended only as a general guide for the engineered wood products placement. All dimensions, quantities and details must be carefully checked, verified by comparison to the actual field conditions and are the responsibility of the client, architect/engineer and builder. Engineered floor system does not account for roof loading unless noted otherwise.

Ground Floor Scale 1/4 inch = 1 ft.



| Ground Floor Hanger | | Beam/Girder | | Supported Member | |
|---------------------|-----|------------------|------|------------------|-----------|
| Label | Pcs | Description | Skew | Slope | Fasteners |
| H1 | 2 | HLS114 (Max) | | | 24 10d |
| H2 | 8 | HUS3 56/16 (Min) | | | 12 10d |

| Joist | | Width | | Depth | | Qty | | Piles | | Pcs | | Length | |
|-------|-------------|-------|----|-------|--|-----|--|-------|---|-----|--|--------|---|
| Label | Description | | | | | | | | | | | | |
| J1 | LP 56 | 3.5 | 16 | | | | | | | 10 | | 28'-0" | 0 |
| J2 | LP 56 | 3.5 | 16 | | | | | | 8 | | | 24'-0" | 0 |

| LVL/LSL | | Width | | Depth | | Qty | | Piles | | Pcs | | Length | |
|---------|--------------------|-------|----|-------|---|-----|--|-------|--|-----|--|--------|---|
| Label | Description | | | | | | | | | | | | |
| FB1 | LP-LVL 2900FB-2-DE | 1.75 | 16 | 2 | 3 | 6 | | | | | | 28'-0" | 0 |
| DB1 | LP-LVL 2900FB-2-DE | 1.75 | 16 | 1 | 3 | 3 | | | | | | 28'-0" | 0 |
| FB2 | LP-LVL 2900FB-2-DE | 1.75 | 16 | 1 | 2 | 2 | | | | | | 12'-0" | 0 |

| Rim Board | | Width | | Depth | | Qty | | Piles | | Pcs | | Length | |
|-----------|-----------------------------|-------|----|-------|--|-----|--|-------|--|-----|--|--------|---|
| Label | Description | | | | | | | | | | | | |
| R1 | LP APA Rated OSB 1.125 X 16 | 1.125 | 16 | | | | | | | 11 | | 12'-0" | 0 |

| | |
|-------------|--------------------------|
| Project | KNJ - Ackerman Garage I- |
| Layout Name | KNJ - Ackerman Garage I- |
| Designer | |
| Created | October 16, 2020 |
| Builder | |

| | |
|-------------------|---|
| Design Method | ASD (USA) |
| Building Code | IBC/IRC 2015 |
| Floor | |
| Loads | |
| Dead | 40 |
| Live | 15 |
| Deflection Joist | |
| LL Span L/ | 480 |
| TL Span L/ | 240 |
| LL Cant. 2L/ | 480 |
| TL Cant. 2L/ | 240 |
| Deflection Girder | |
| LL Span L/ | 480 |
| TL Span L/ | 240 |
| LL Cant. 2L/ | 480 |
| TL Cant. 2L/ | 240 |
| Decking | OSB |
| Fastener | 23/32 APA Rated Sawn 1-Floor Nailed & Glued |

| | |
|------|--|
| Wall | LP APA Rated OSB 1.125 X 16 |
| | LP 56 16 |
| | LP-LVL 2900FB-2-DE 1.75 X 16 (Dropped) |
| | LP-LVL 2900FB-2-DE 1.75 X 16 |

Important Notes
 Review Manufacturers' installation guide for additional structural details where necessary.
 Do Not cut or notch top or bottom flanges of joists to provide clearance for plumbing fixtures. Offset and/or install additional joists to provide clearance.
 All dimensional stock "Dropped headers" by others
 All Steel beams, angles and columns by others