

**COMPLETE THIS FORM WHEN DROPPING OFF ANY
CORRESPONDENCE AND/OR PLANS TO THE HOWARD COUNTY
DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:**

Date: 9/25/19

To: Don Swinder
(Person's Name and Division)

RECEIVED
SEP 27 2019

From: Orion Ferraro (410) 977-8903
(Your Name, Company Name and Telephone Number)

PLAN REVIEW DIVISION

Subject: Project name Detached Garage

Project site address 1767 Florence Rd., Mount Airy, MD 21771

Permit # 619002876 SDP # _____

Other information pertinent to this project structural changes

Please check the attachments below that you are submitting with this transmittal:

- Letter of response to address plan review comment letter
- Revised plans and/or revised details: When submitting for a complete re-review, **duplicate sets shall be submitted.**
- Letter Summarizing Changes
- Energy conservation calculations
- Copies of _____ (be specific).
- Health Department Request DPZ/ DED Request Applicant's Request
- Two sets of single family dwelling model plans to be placed on permanent file: Model name and/or # _____
- Other _____

3 set

Contact Person Information: (Required)

Orion Ferraro
Please Print Name

Telephone No: 410-977-8903

E-Mail Address: orion4577@yahoo.com

PLEASE ASSURE ALL DOCUMENTS AND/OR REVISIONS ARE APPROPRIATELY SIGNED AND SEALED, IF NECESSARY, BY A LICENSED ARCHITECT OR ENGINEER. PLEASE BE ADVISED THAT INSUFFICIENT INFORMATION MAY RESULT IN THE DELAY OF REVIEW BY THE PLANS EXAMINER. THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS WILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION, ONCE THE BUILDING PERMIT IS APPROVED BY THE PLAN REVIEW DIVISION AND ALL OTHER REQUIRED SIGNATORY AGENCIES, AND THE BUILDING PERMIT IS READY FOR ISSUANCE, THE PERMIT DIVISION WILL NOTIFY THE APPROPRIATE CONTACT PERSON FOR PERMIT PICK UP. ALL PERMIT STATUS INQUIRIES SHALL BE DIRECTED TO THE PERMIT DIVISION AT 410-313-2455. CODE RELATED QUESTIONS AND PLAN REVIEW INQUIRIES SHALL BE DIRECTED TO THE PLAN REVIEW DIVISION AT 410-313-2436. PLEASE ALLOW A MINIMUM OF FIVE (5) WORKING DAYS FOR ANY PLAN SUBMITTALS TO BE REVIEWED. THANK YOU.

Received by [Signature]

RECEIVED
SEP 25 2019
LICENSES & PERMITS
DIVISION

Courtesy copy
to Health no fee
1st review

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DESIGN LOAD CRITERIA:

ROOF LOAD:
TOP CHORD LIVE = 30.8 PSF
TOP CHORD DEAD = 10 PSF
BTM. CHORD LIVE = 0 PSF
BTM. CHORD DEAD = 10 PSF

BLDG. AREA = 916 FT²
BLDG. VOL. = 13,590 FT³
PEAK HGT. = ± 18'-4"
DIAG. DIM. = N / A

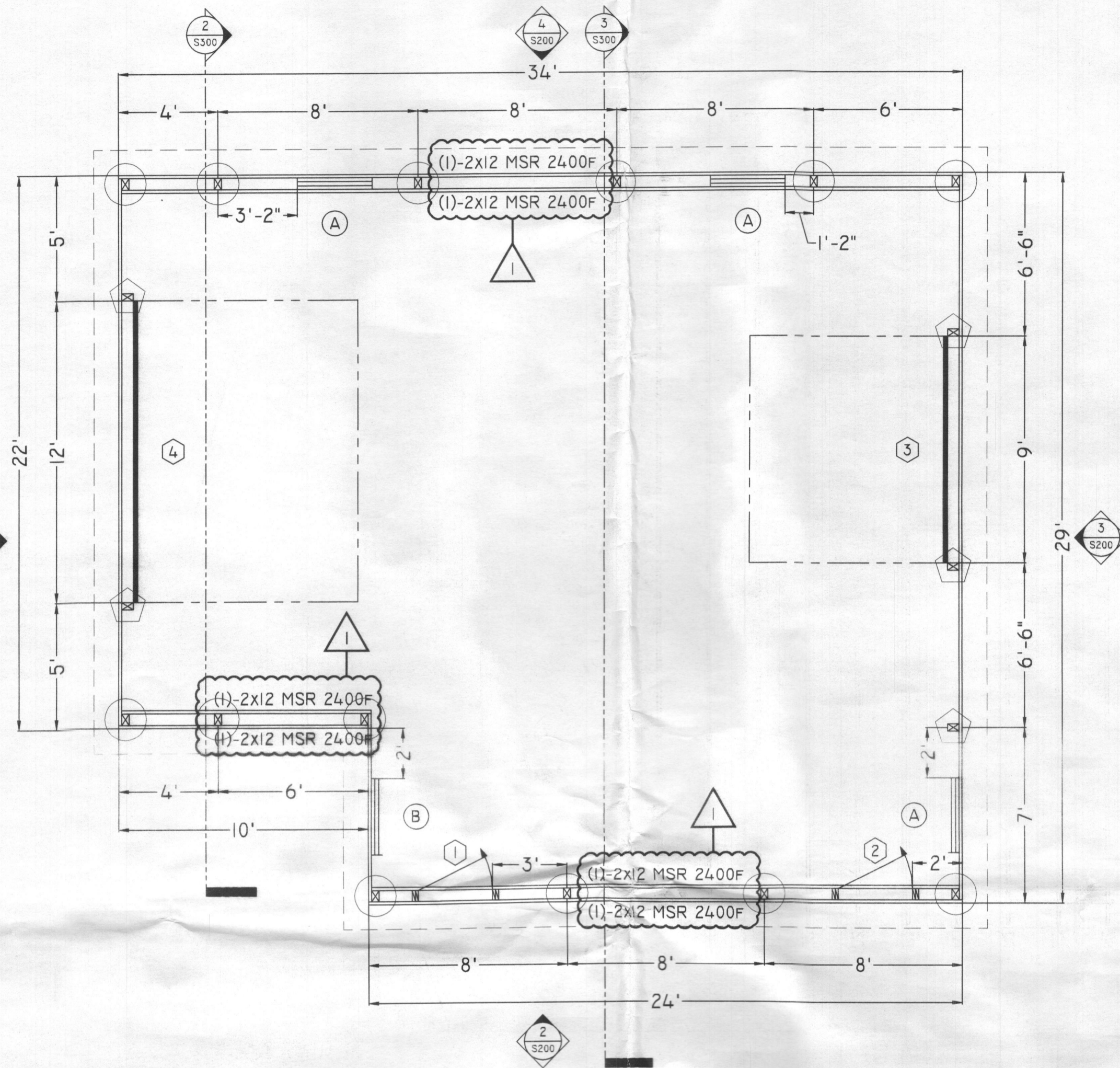
SNOW LOAD:
GRND. SNOW LOAD = 40 PSF

CON. CLSS. = V-B
USE GROUP = S-1
OCC. LOAD = 4 PERSONS
SOIL BEAR = 1,500 PSF

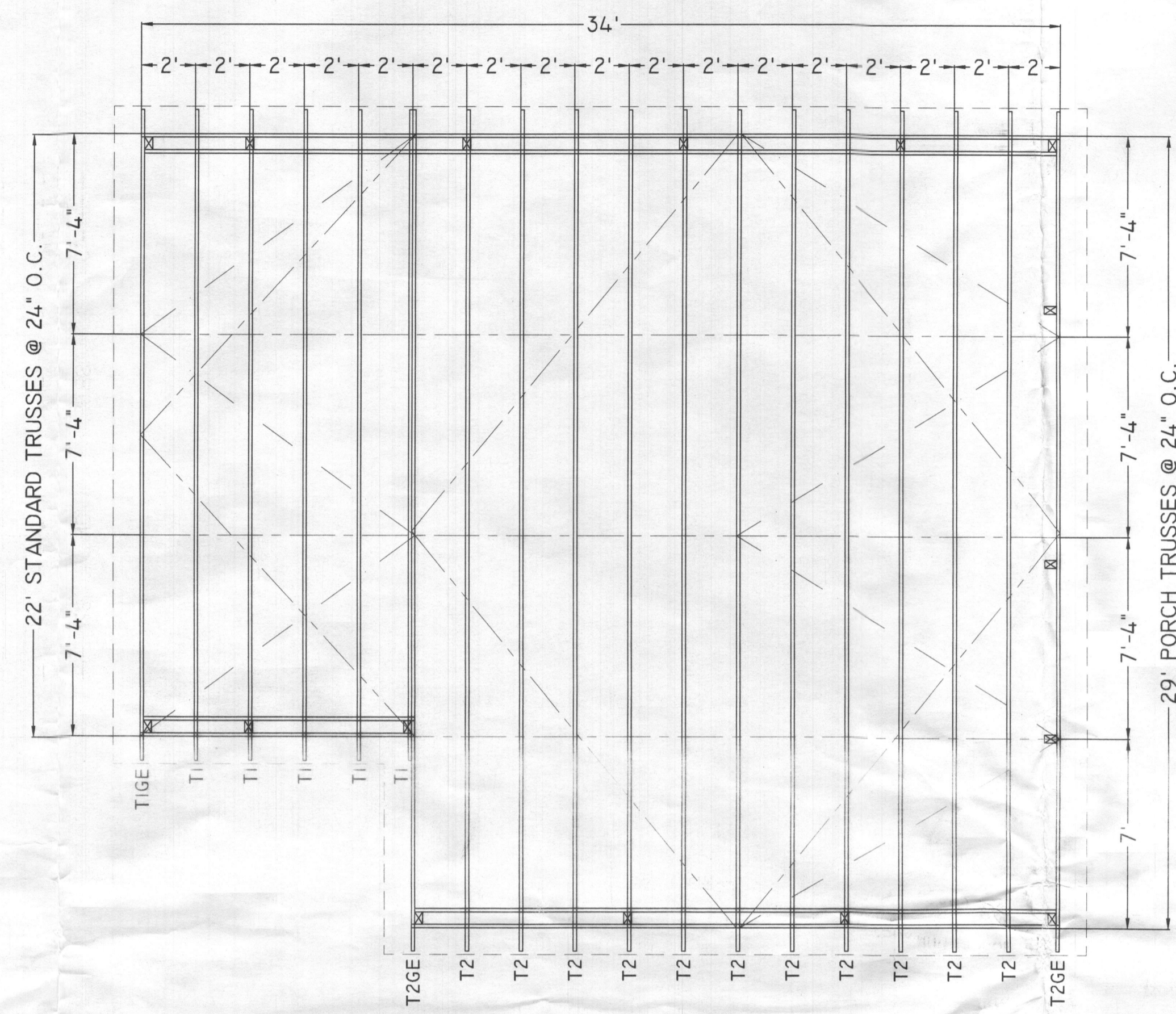
WIND LOAD:
BASIC WIND SPEED = 115 MPH (3 SECOND GUST)

MUNICIPALITY: HOWARD COUNTY, MARYLAND

SEAL



FLOOR PLAN
SCALE: 1/4" = 1'-0"



TRUSS LAYOUT & BRACING PLAN
SCALE: 1/4" = 1'-0"

2
S100

ROUGH OPENING SCHEDULE						
SYMBOL	QUANTITY	SIZE	ROUGH OPENING	SWING	STYLE	REMARKS
①	1	3068	38" x 82"	RHS	9-LITE	W.E.H. FIBERGLASS DOOR W/ COMPOSITE FRAME & BRICK MOULDING
②	1	3068	38" x 82"	RHS	6-PANEL	W.E.H. FIBERGLASS DOOR W/ COMPOSITE FRAME & BRICK MOULDING
③	1	9x8	9'-0" x 8'-0" A.F.F.	N / A	OVERHEAD	CHI MODEL #5285, CARRIAGE STYLE, INSULATED OVERHEAD DOOR W/ WIDOWS
④	1	12x9	12'-0" x 9'-0" A.F.F.	N / A	OVERHEAD	CHI MODEL #5285, CARRIAGE STYLE, INSULATED OVERHEAD DOOR W/ WIDOWS
A	3	3038	36" x 44"	N / A	SINGLE HUNG	SIMONTON VINYL, INSULATED WINDOW W/ SCREENS & GRILLS
B	1	3038	36" x 44"	N / A	SINGLE HUNG	SIMONTON VINYL, INSULATED WINDOW W/ SCREENS & GRILLS - TEMPERED

POST SCHEDULE		
SYMBOL	POST SIZE	REMARKS
⊠	4x6 PT POST	STANDARD TREATMENT

FOOTING SCHEDULE		
SYMBOL	FOOTING SIZE	COMPONENTS
⬡	18" Ø x 8"	WET MIX CONCRETE
⊙	24" Ø x 10"	WET MIX CONCRETE

TRUSS LAYOUT & BRACING LEGEND		
LINE	DESCRIPTION	LOCATION
=====	TRUSSES	24" ON CENTER THROUGHOUT BUILDING
-----	CORNER BRACING	FROM CORNER TO TRUSS PEAK AT UNDERSIDE OF BOTTOM CHORD
-----	LATERAL BRACING	SEE TRUSS PRINTS FOR MAXIMUM SPACING
-----	DIAGONAL BRACING	STAGGERED BETWEEN LATERAL BRACES ON BOTTOM CHORD
-----	OVERHANG	EXTENTS OF EAVE AND GABLE OVERHANGS

2015 IBC, 2303.4.5 ALTERATIONS TO TRUSSES. TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED, SPLICED OR OTHERWISE ALTERED IN ANY WAY WITHOUT WRITTEN CONCURRENCE AND APPROVAL OF A REGISTERED DESIGN PROFESSIONAL. ALTERATIONS RESULTING IN THE ADDITION OF LOADS TO ANY MEMBER (E.G., HVAC EQUIPMENT, PIPING, ADDITIONAL ROOFING OR INSULATION, ETC.) SHALL NOT BE PERMITTED WITHOUT VERIFICATION THAT THE TRUSS IS CAPABLE OF SUPPORTING SUCH ADDITIONAL LOADING.

- BUILDING SPECIFICATIONS:**
- 22' STANDARD TRUSSES, 10 1/2" O.H., 3/2 PITCH, 24' O.C.
 - 29' PORCH TRUSSES, 10 1/2" O.H., 3/2 PITCH, 24' O.C.
 - BOTTOM CHORD TIES AS PER TRUSS MANUFACTURER
 - 10'-0" INSIDE HEIGHT
 - 12" EAVE & GABLE OVERHANGS
 - 2x4 WALL GIRTS @ 16" O.C.
 - 3/8" OSB ROOF DECKING (SHINGLES & FELT BY OTHERS)
 - 1/8" OSB WALL SHEATHING (HARDIE SIDING BY OTHERS)
 - BUILDING WRAP WEATHER BARRIER OVER WALL SHEATHING
 - USP RT-7 (OR EQUAL) HURRICANE TIES ON GABLE TRUSSES
 - USP RT-16A (OR EQUAL) HURRICANE TIES ON INTERIOR TRUSSES
 - 2x4 VERTICAL FIRE BLOCKING BETWEEN WALL GIRTS AT EACH POST
 - 2x6 HORIZONTAL FIRE BLOCKING AT 10' (MAX) ON CENTER; BETWEEN HEADERS AT TRUSS BEARING HEIGHT

NO.	REVISION DESCRIPTION	BY	DATE
1	INCREASED SNOW LOAD & ROOF HEADERS	CAM	9/19/2019

FERRARO GARAGE

BUILDING ADDRESS:
1769 FLORENCE ROAD
MOUNT AIRY, MD 21771

MAILING ADDRESS:
ORION FERRARO
1769 FLORENCE ROAD
MOUNT AIRY, MD 21771

FLOOR PLAN, TRUSS LAYOUT, & GENERAL NOTES

SALESMAN: JZ	DRAWN BY: CAM
DATE: 12 AUGUST 2019	CHECKED BY: RCE
FILE NUMBER: 19-BI-10152	DRAWING NO.: S100
APPROVED	SHEET 1 OF 4

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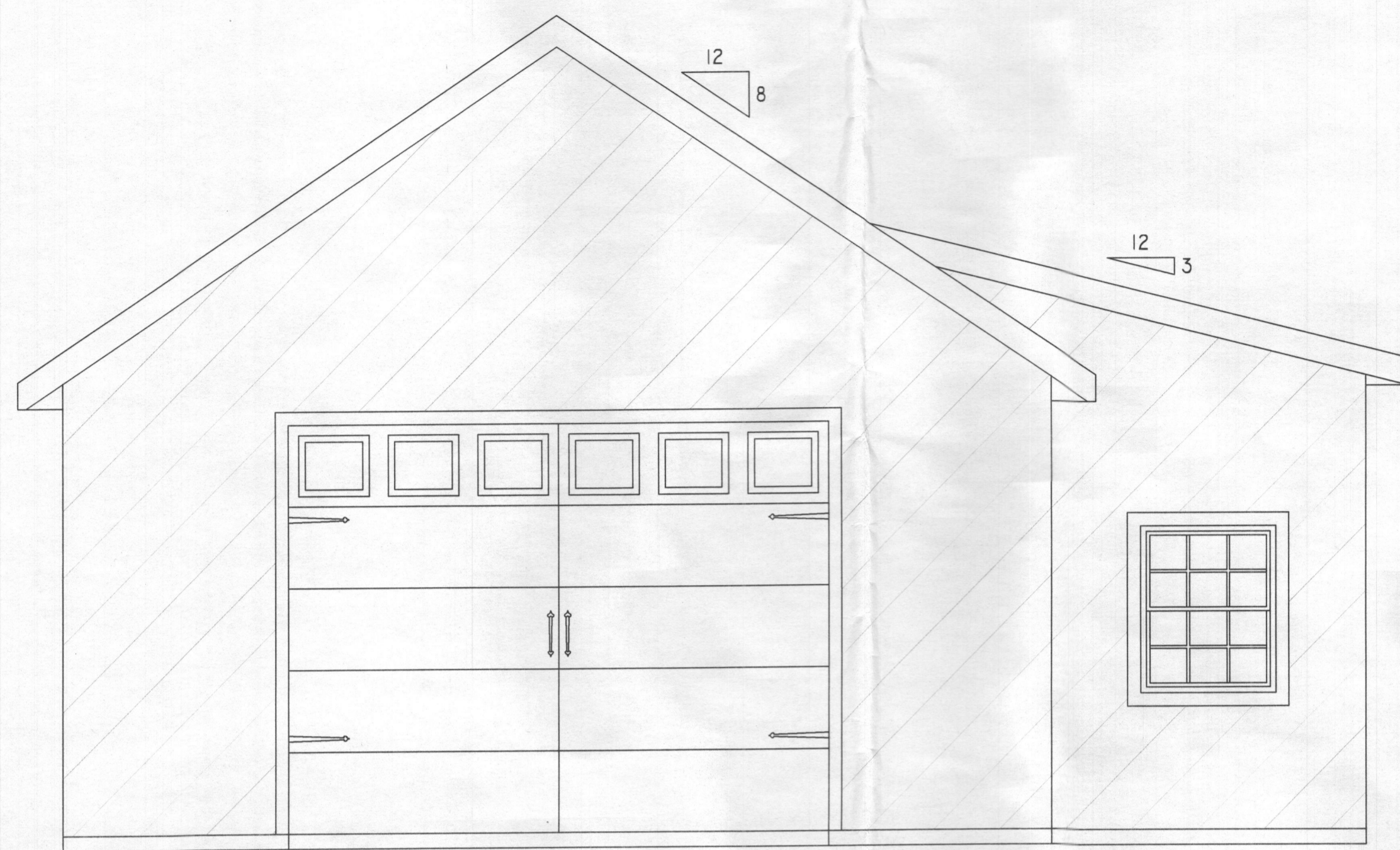
DESIGN LOAD CRITERIA:

ROOF LOAD:		
TOP CHORD LIVE	= 30.8 PSF	
TOP CHORD DEAD	= 10 PSF	
BTM. CHORD LIVE	= 0 PSF	
BTM. CHORD DEAD	= 10 PSF	
SNOW LOAD:		
GRND. SNOW LOAD	= 4.0 PSF	
		BLDG. AREA = 916 FT ²
		BLDG. VOL. = 13,590 FT ³
		PEAK HGHT. = ± 18'-4"
		DIAG. DIM. = N / A
		CON. CLSS. = V-B
		USE GROUP = S-1
		OCC. LOAD = 4 PERSONS
		SOIL BEAR = 1,500 PSF

WIND LOAD:
BASIC WIND SPEED = 115 MPH (3 SECOND GUST)

MUNICIPALITY: HOWARD COUNTY, MARYLAND

SEAL



ELEVATION

SCALE: 3/8" = 1'-0"

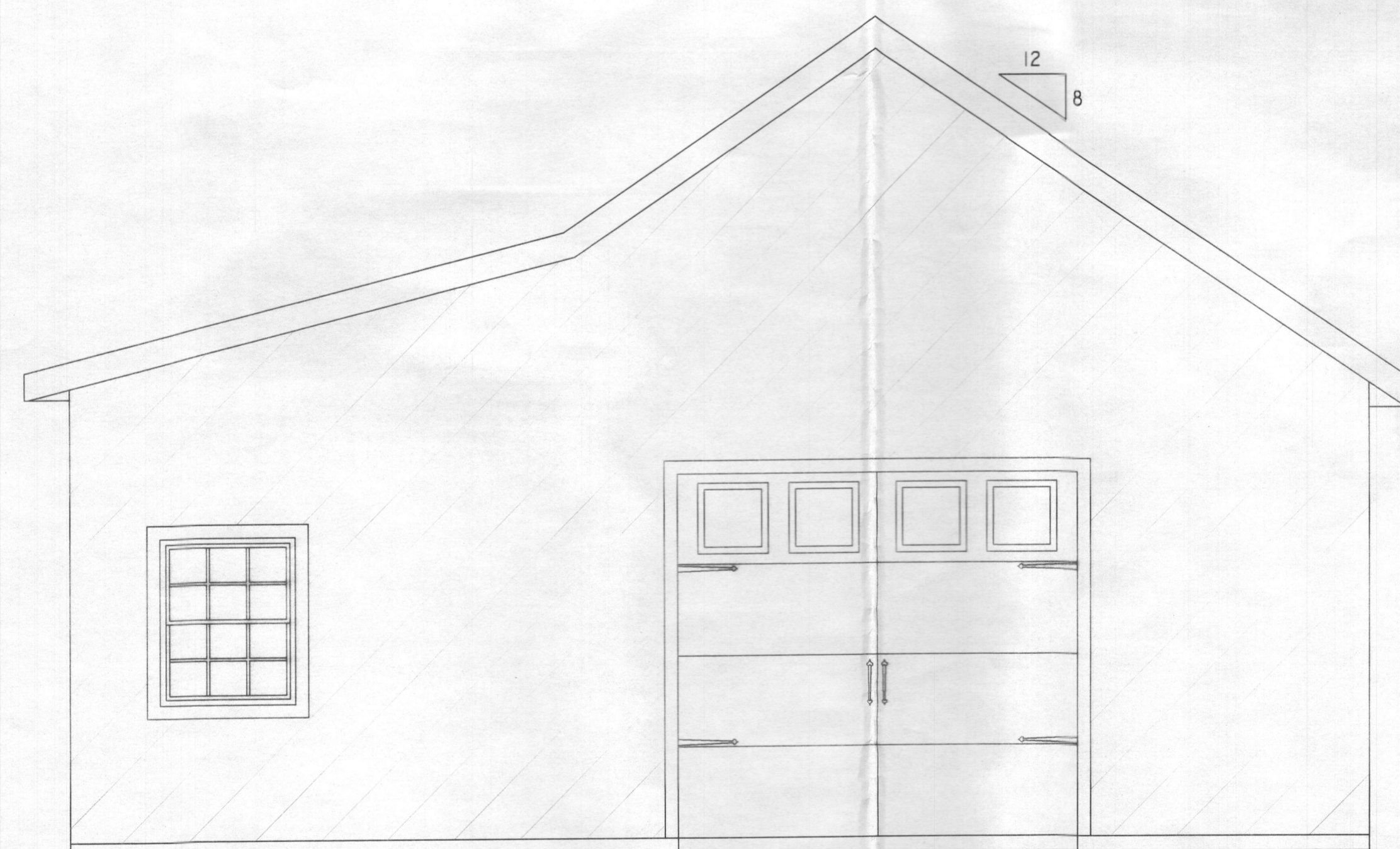
1
S200



ELEVATION

SCALE: 3/8" = 1'-0"

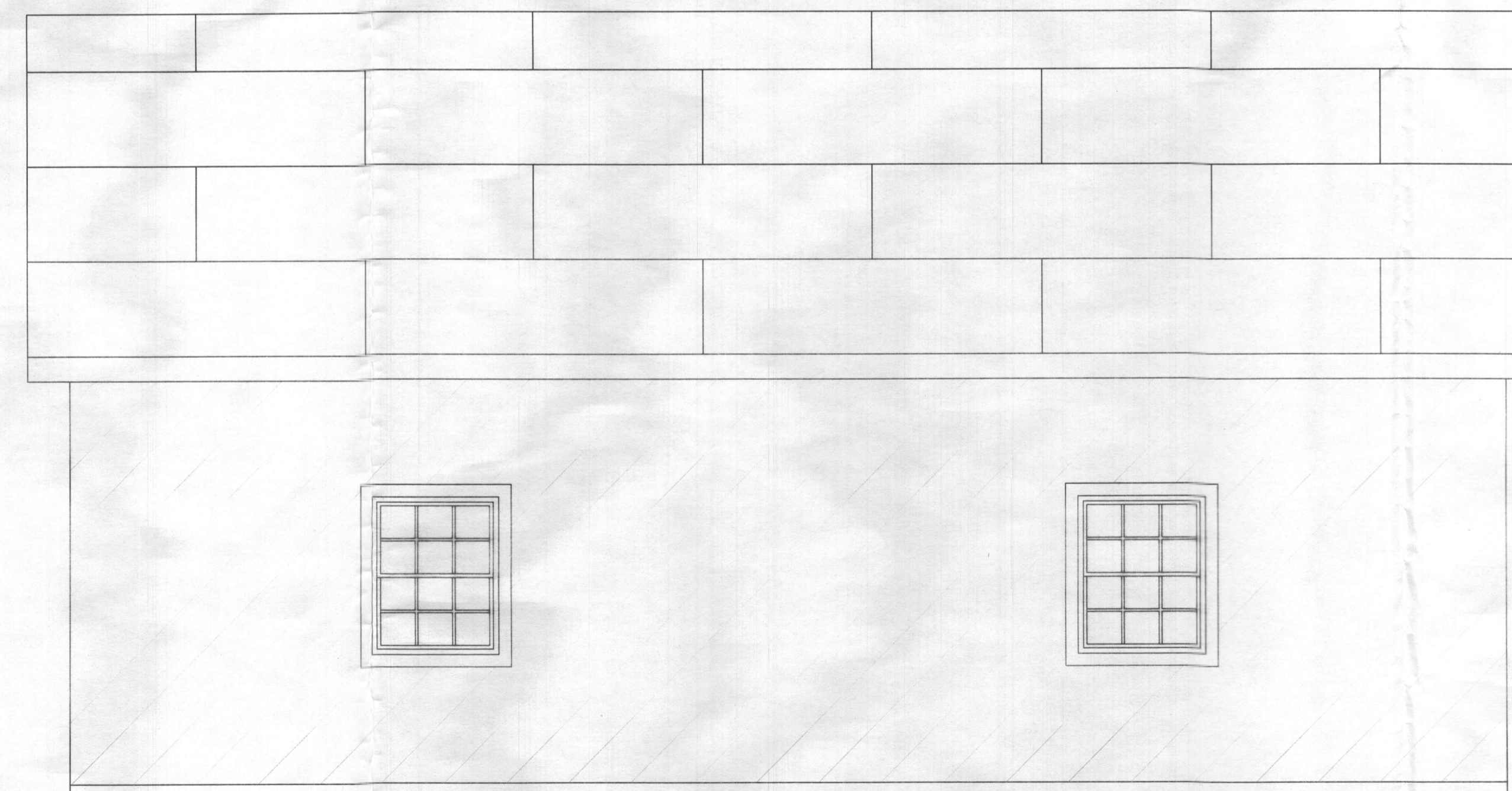
1
S200



ELEVATION

SCALE: 3/8" = 1'-0"

3
S200



ELEVATION

SCALE: 3/8" = 1'-0"

4
S200

NO.	REVISION DESCRIPTION	BY	DATE
1	INCREASED SNOW LOAD & ROOF HEADERS	CAM	9/19/2019

FERRARO GARAGE

BUILDING ADDRESS:
1769 FLORENCE ROAD
MOUNT AIRY, MD 21771

MAILING ADDRESS:
ORION FERRARO
1769 FLORENCE ROAD
MOUNT AIRY, MD 21771

EXTERIOR ELEVATIONS

SALESMAN: JZ	DRAWN BY: CAM
DATE: 12 AUGUST 2019	CHECKED BY: RCE
FILE NUMBER 19-BI-10152	DRAWING NO. S200
APPROVED	SHEET 2 OF 4

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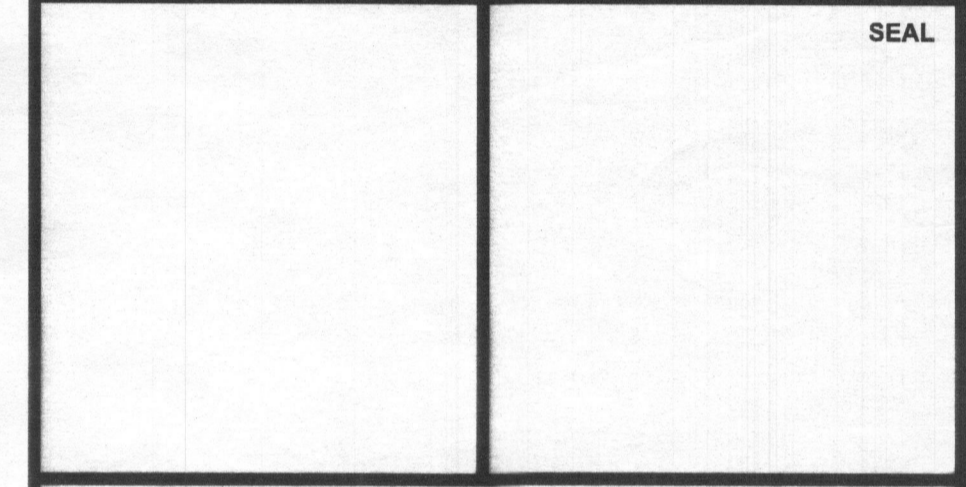
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DESIGN LOAD CRITERIA:

ROOF LOAD:	BLDG. AREA = 916 FT ²
TOP CHORD LIVE = 30.8 PSF	BLDG. VOL. = 13,590 FT ³
TOP CHORD DEAD = 10 PSF	PEAK HGT. = ± 18'-4"
BTM. CHORD LIVE = 0 PSF	DIAG. DIM. = N / A
BTM. CHORD DEAD = 10 PSF	
SNOW LOAD:	CON. CLSS. = V-B
GRND. SNOW LOAD = 40 PSF	USE GROUP = S-1
	OCC. LOAD = 4 PERSONS
	SOIL BEAR = 1,500 PSF

WIND LOAD:
BASIC WIND SPEED = 115 MPH (3 SECOND GUST)

MUNICIPALITY: HOWARD COUNTY, MARYLAND



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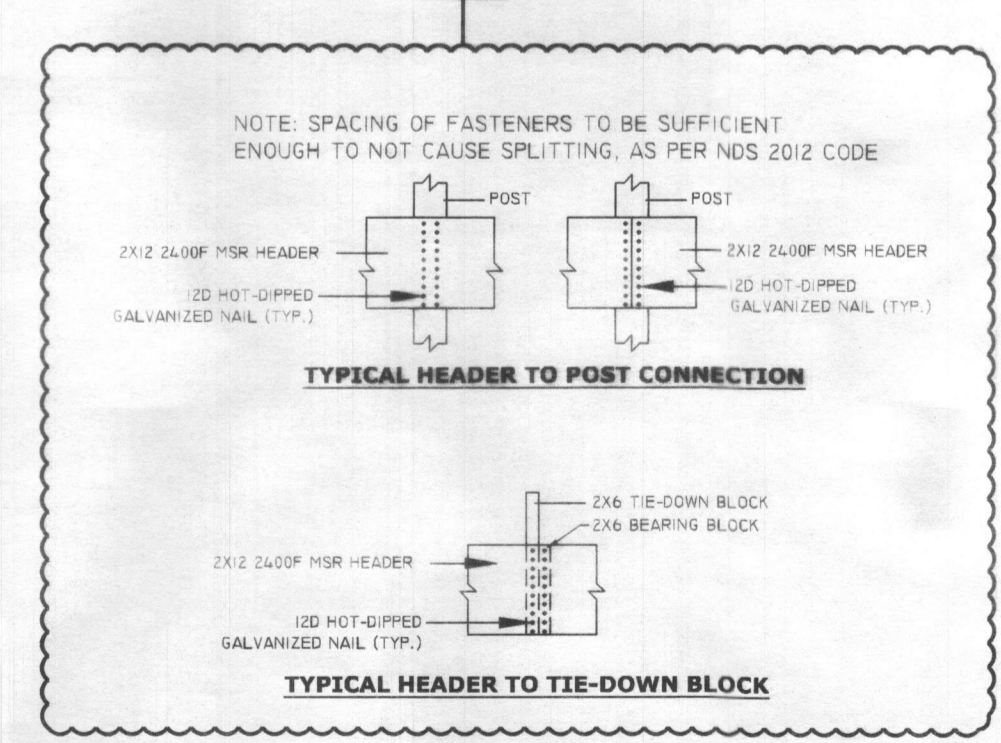
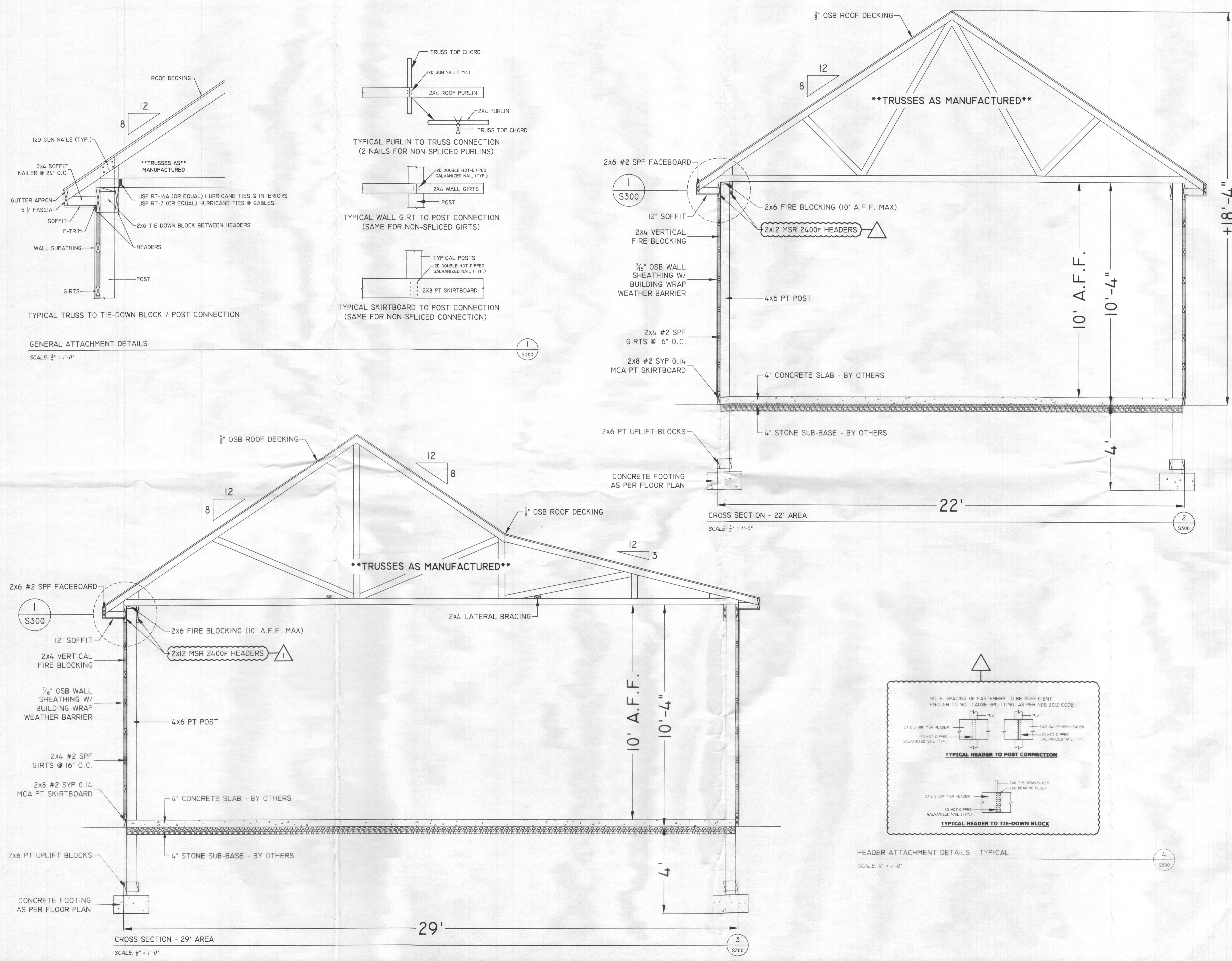
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MOUNT AIRY, MD 21771

CROSS SECTION

SALESMAN: JZ	DRAWN BY: CAM
DATE: 12 AUGUST 2019	CHECKED BY: RCE
FILE NUMBER: 19-BI-10152	DRAWING NO. S300
APPROVED	SHEET 3 OF 4



HEADER ATTACHMENT DETAILS - TYPICAL
SCALE: 1/2" = 1'-0"

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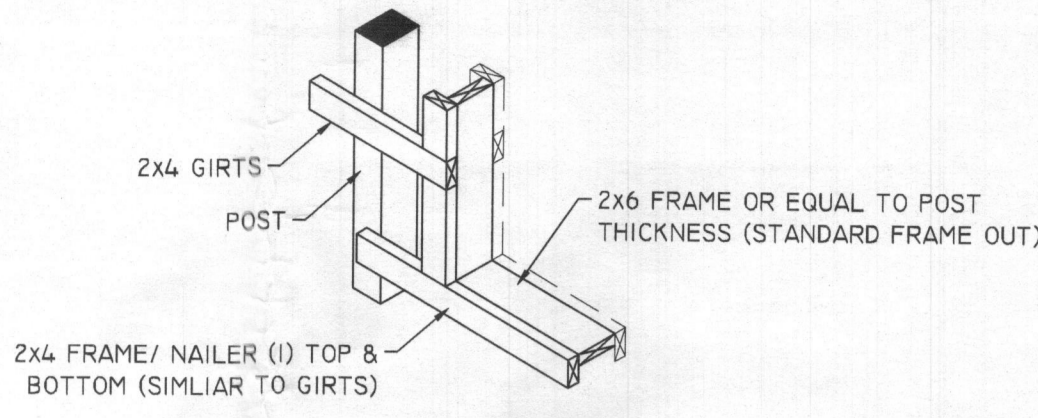
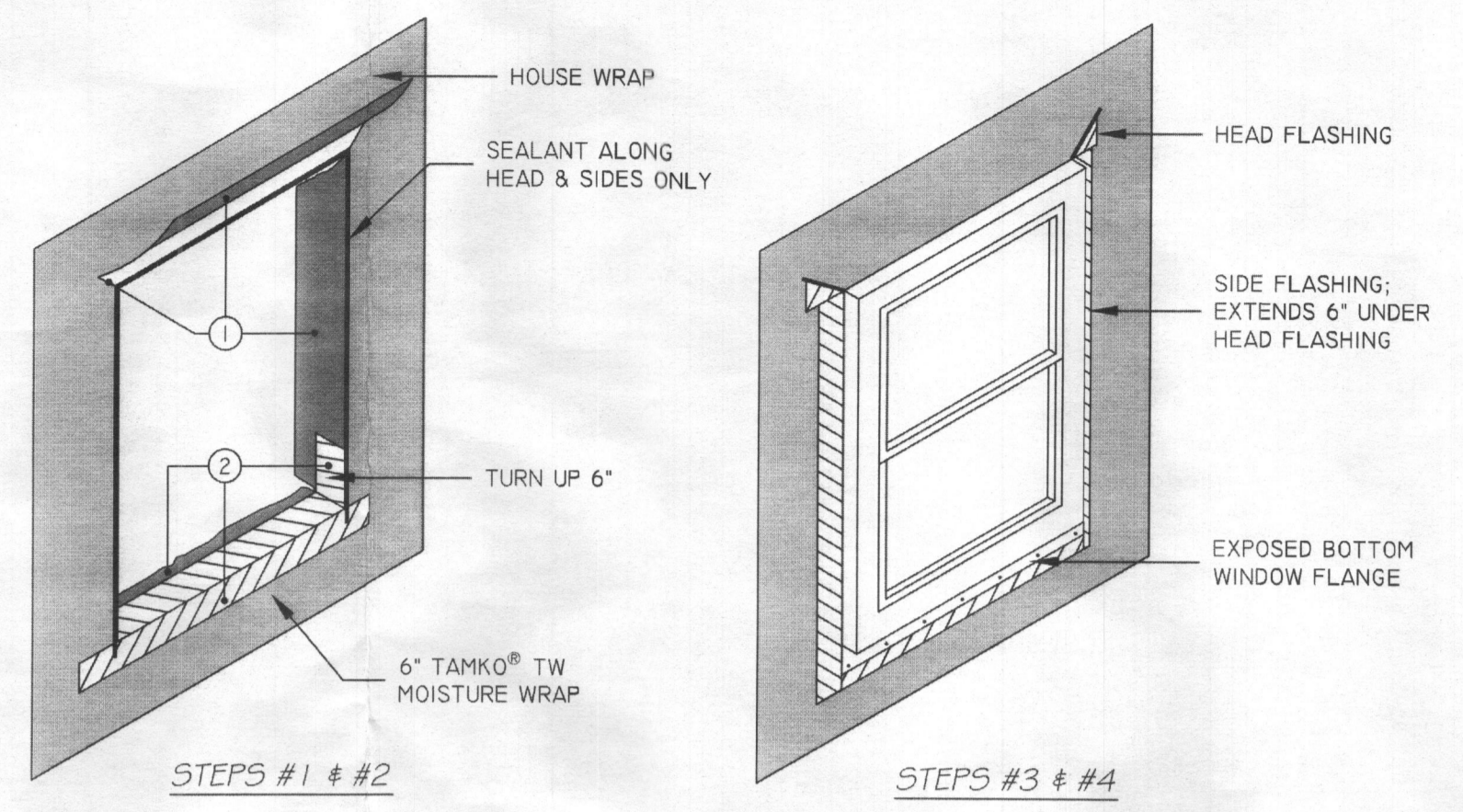
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TOP CHORD DEAD = 10 PSF		PEAK HGT. = ± 18'-4"
BTM. CHORD LIVE = 0 PSF		DIAG. DIM. = N/A
BTM. CHORD DEAD = 10 PSF		
SNOW LOAD:		CON. CLSS. = V-B
GRND. SNOW LOAD = 40 PSF		USE GROUP = S-1
		OCC. LOAD = 4 PERSONS
		SOIL BEAR = 1,500 PSF

WIND LOAD:
BASIC WIND SPEED = 115 MPH (3 SECOND GUST)

MUNICIPALITY: HOWARD COUNTY, MARYLAND

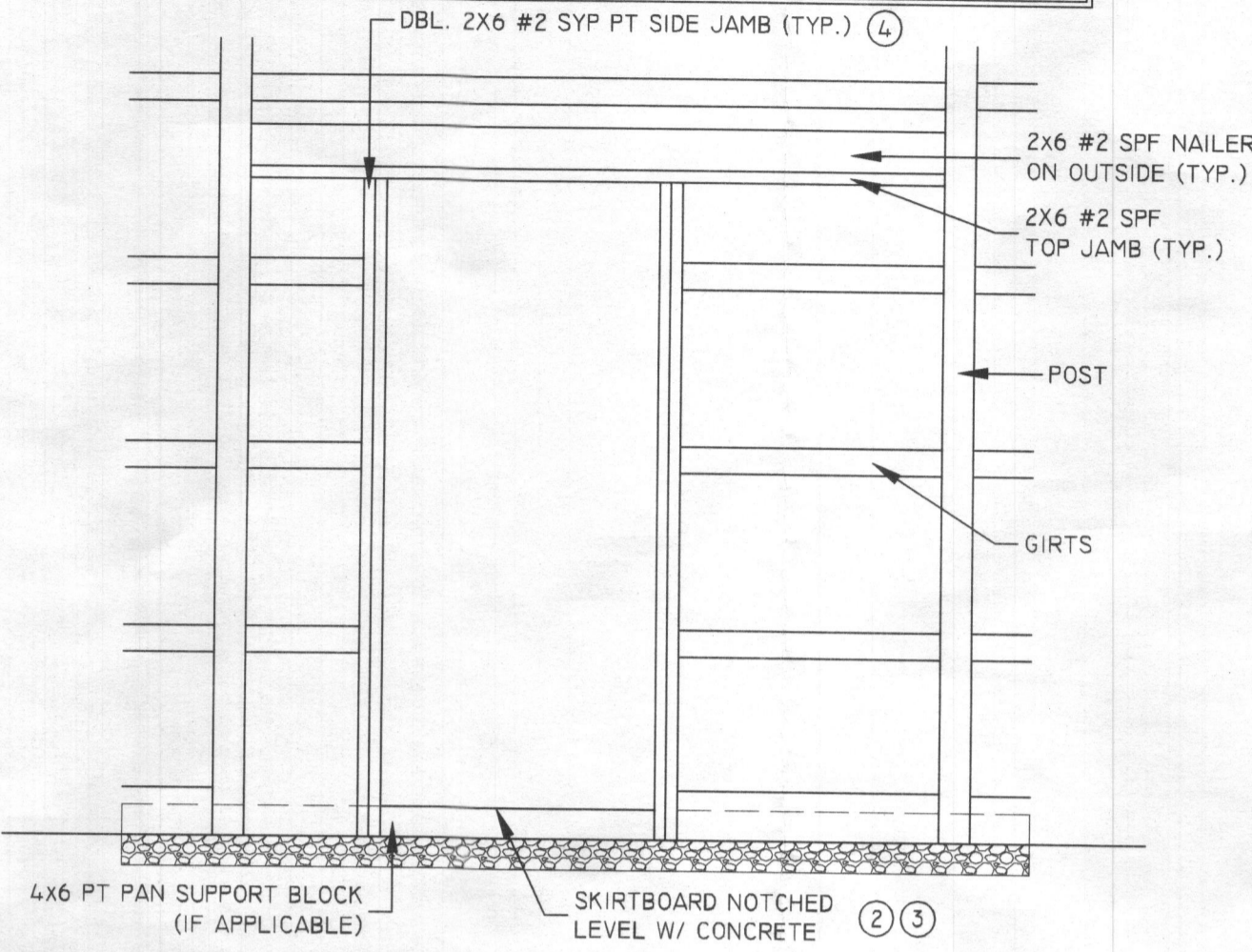
WINDOW FLASHING W/ HOUSE WRAP NOTES

- INSTALL HOUSE WRAP AND CUT OUT WINDOW OPENING WITH DIAGONAL CUTS. FOLD BOTTOM AND SIDES INTO THE WINDOW OPENING AND ATTACH, FOLD TOP OUT AND AWAY FROM THE OPENING FOR LATER USE IN STEP #4.
- FLASH BOTTOM OF SILL PRIOR TO INSTALLING WINDOW BY CUTTING THE FLASHING THE WIDTH OF THE ROUGH OPENING PLUS 2X TAPE WIDTH. FLASHING TO BE CENTERED AT BOTTOM OF ROUGH OPENING AND SHALL EXTEND BENEATH JAMB FLASHING TAPE AT EACH SIDE. MAKE VERTICAL CUTS AT EACH SIDE ROUGH OPENING AND FOLD TOP HALF OF TAPE INTO ROUGH OPENING.
- INSTALL WINDOW AND CUT (2) LENGTHS OF JAMB FLASHING THE HEIGHT OF THE ROUGH OPENING PLUS 2X TAPE WIDTH, FLASHING TO BUTT TIGHT AGAINST THE WINDOW UNIT AND FULLY OVERLAP THE SILL FLASHING AND EXTEND UP BENEATH THE HEADER FLASHING.
- CUT THE HEADER FLASHING THE WIDTH OF ROUGH OPENING PLUS 2X TAPE WIDTH PLUS 2". ALLOW THE HOUSE WRAP FROM STEP ONE TO OVERLAP THE JAMB TAPE AND BUTT AGAINST TOP OF WINDOW. INSTALL HEADER FLASHING AGAINST TOP OF WINDOW AND EXTEND 1 INCH PAST EACH SIDE JAMB FLASHING TAPE.



ENTRY DOOR FRAMING NOTES

- CHECK DOOR ROUGH OPENINGS BEFORE INSTALLATION
- NOTCH SKIRTBOARD ACCORDING TO CONCRETE FLOOR HEIGHT
- BEFORE INSTALLING SILL PAN, PLACE CAULK ON NOTCHED SKIRTBOARD AND PAN SUPPORT BLOCK.
- EXTEND JAMB 1" (MIN) BELOW THE BOTTOM OF THE SKIRTBOARD; ATTACH TO SKIRTBOARD W/ DOUBLE HOT-DIPPED GUN NAILS.



WINDOW FLASHING DETAIL W/ BUILDING WRAP
SCALE: 1/2" = 1'-0"

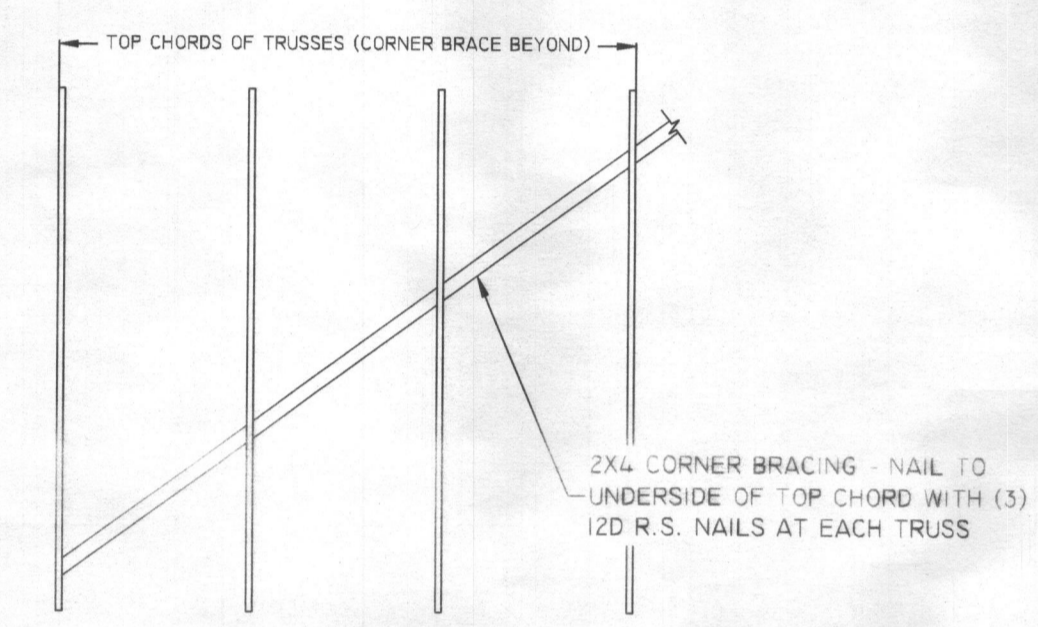
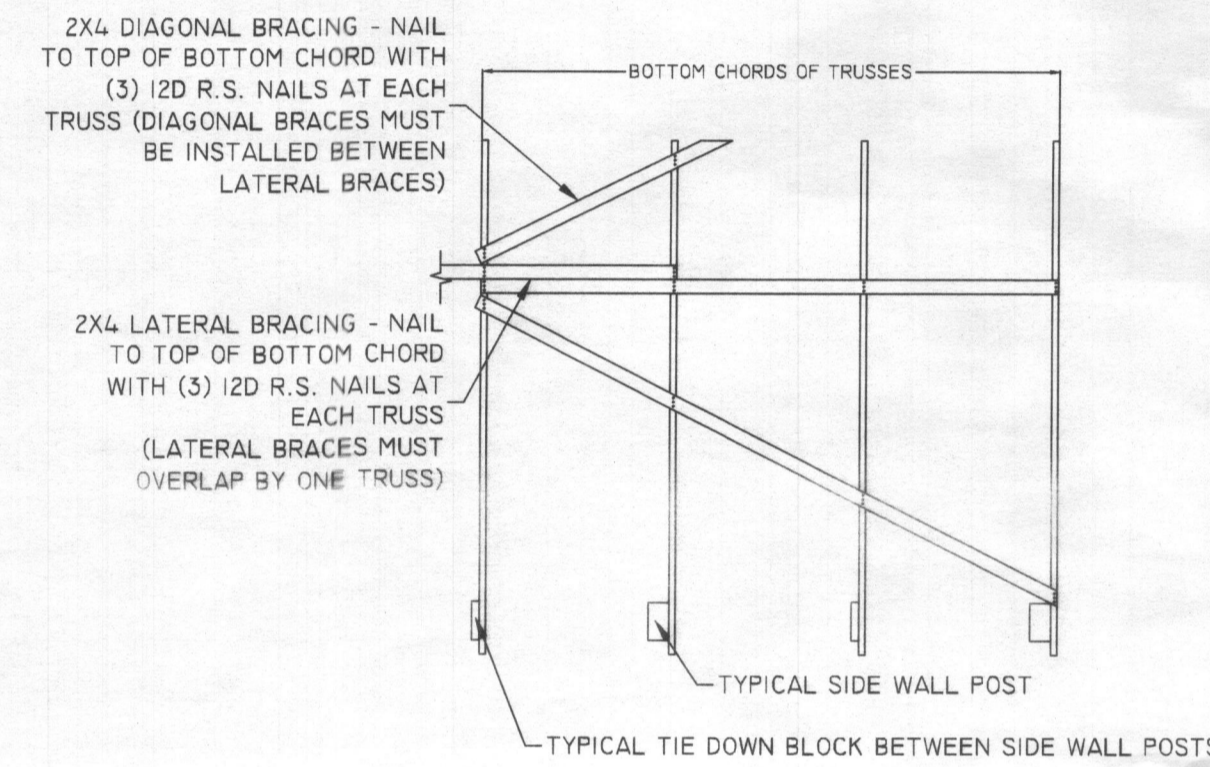
1
S500

WINDOW BOX FRAME DETAIL
SCALE: 1/2" = 1'-0"

2
S500

TYPICAL ENTRY DOOR FRAMING DETAIL
SCALE: 1/2" = 1'-0"

3
S500

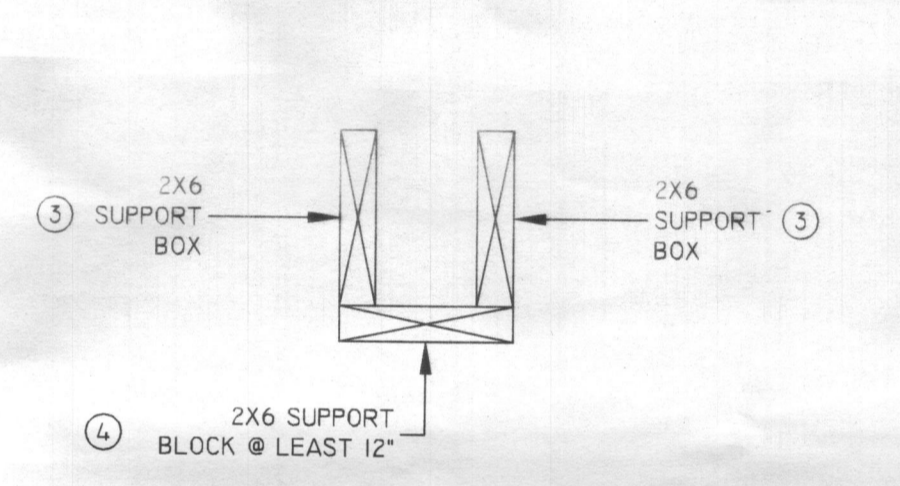


LATERAL & DIAGONAL BRACING DETAIL
SCALE: 1/2" = 1'-0"

4
S500

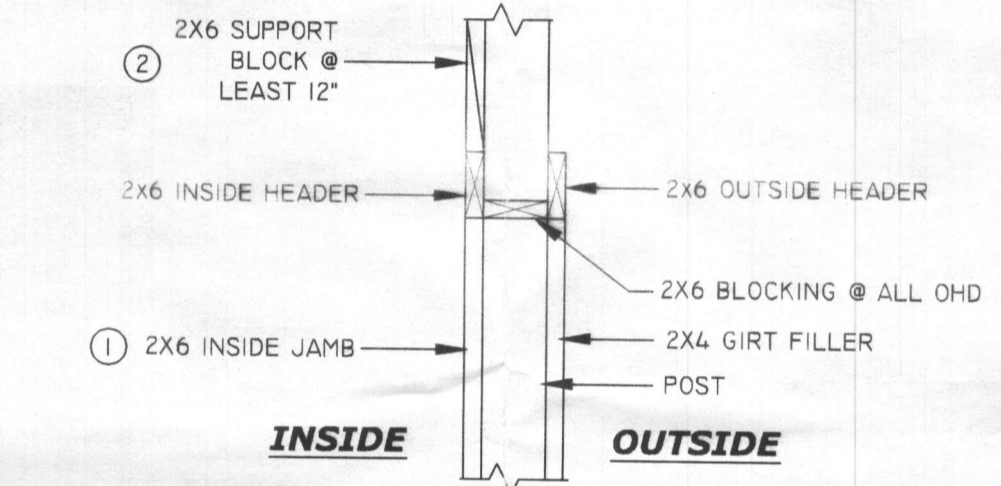
CORNER BRACING DETAIL
SCALE: 1/2" = 1'-0"

5
S500



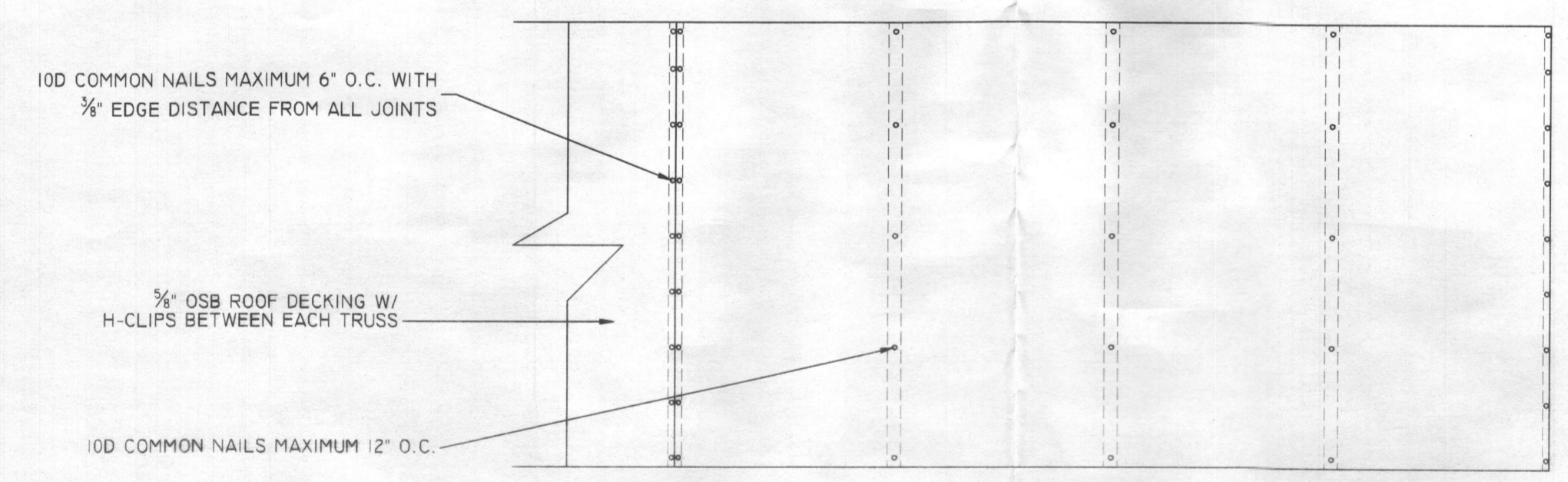
TORSION SPRING BOX DETAIL
SCALE: 1/2" = 1'-0"

6
S500



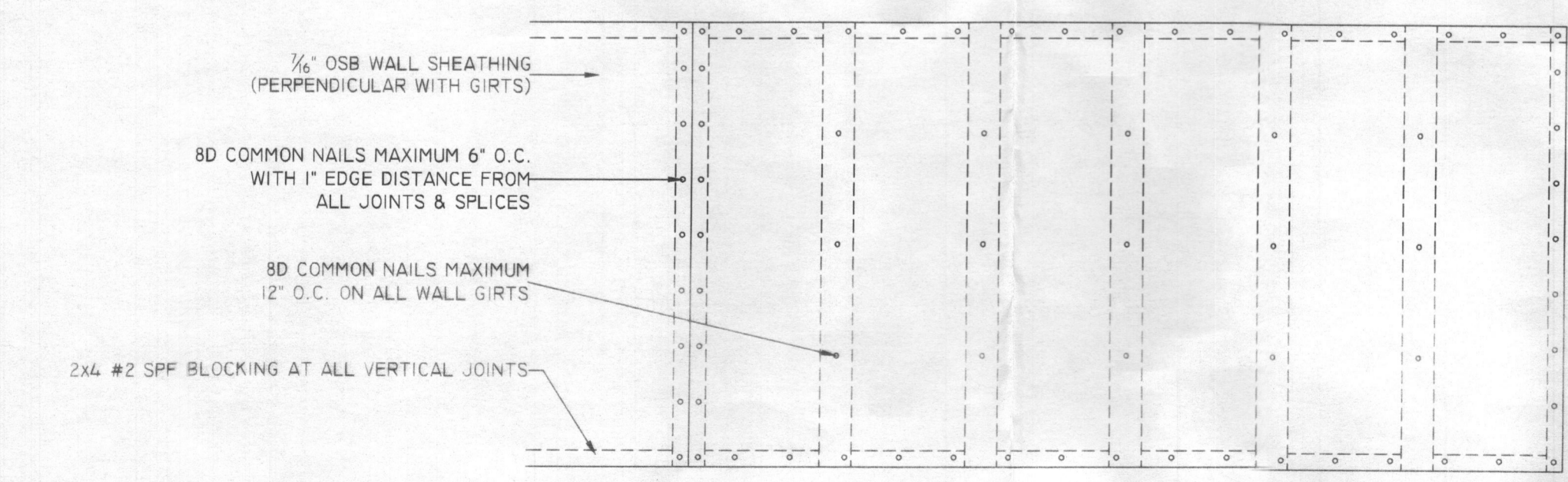
OHD HEADER SECTION
SCALE: 1/2" = 1'-0"

7
S500



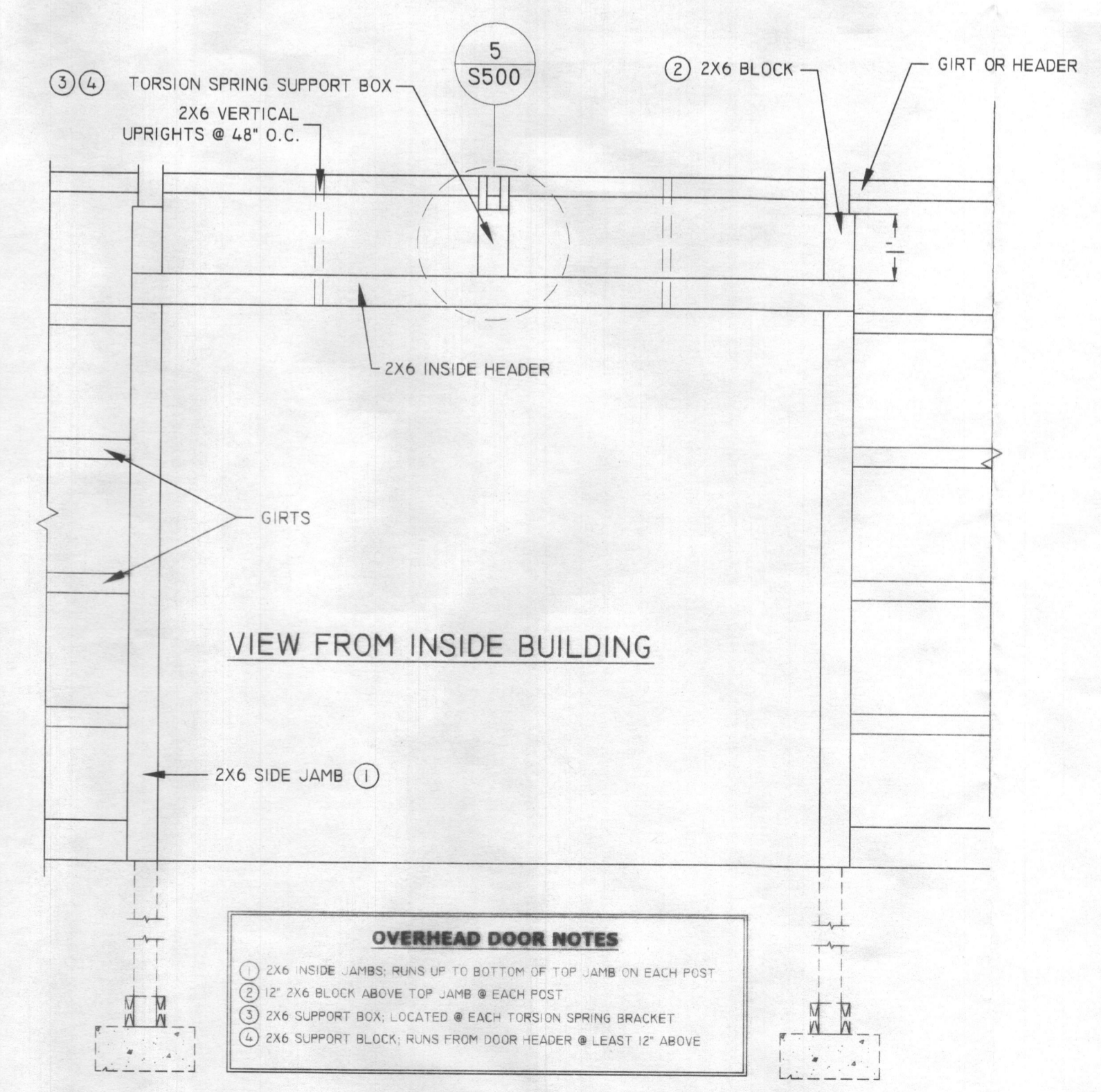
TYPICAL ROOF DECKING ATTACHEMENT DETAIL
SCALE: 1/2" = 1'-0"

8
S500



TYPICAL WALL SHEATHING ATTACHEMENT DETAIL
SCALE: 1/2" = 1'-0"

9
S500



OVERHEAD DOOR FRAMING DETAIL
SCALE: 1/2" = 1'-0"

10
S500

OVERHEAD DOOR NOTES

- 2X6 INSIDE JAMBS RUNS UP TO BOTTOM OF TOP JAMB ON EACH POST
- 12" 2X6 BLOCK ABOVE TOP JAMB @ EACH POST
- 2X6 SUPPORT BOX, LOCATED @ EACH TORSION SPRING BRACKET
- 2X6 SUPPORT BLOCK, RUNS FROM DOOR HEADER @ LEAST 12" ABOVE

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FRAMING DETAILS

SALESMAN: JZ	DRAWN BY: CAM
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FILE NUMBER: 19-BI-10152	DRAWING NO. S500
APPROVED	SHEET 4 OF 4