

RECEIVED

PERMIT NUMBER: B 20004578

DATE ACCEPTED:

DEC 28 2020



RESIDENTIAL BUILDING PERMIT APPLICATION

LICENSES & PERMITS DIVISION

HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES, AND PERMITS

3430 COURT HOUSE DRIVE, ELLICOTT CITY, MD 21043 - PHONE: (410) 313-2455 OPTION #4

www.howardcountymd.gov

BUILDING SITE ADDRESS REQUIRED

Street Address: 4411 Manor Lane
City: Ellicott City
State: MD
Zip Code: 21042
Subdivision/Village/Complex Name:
Lot: 3
Tax Map: 0029
Parcel: 0019
Grading Permit #:

DESCRIPTION OF WORK REQUIRED

Existing Use: Residence
Proposed Use: Residence w/Patio Remodel
Estimated Cost: \$50,000.00
Trade Work to Be Completed (Separate Permits Required):
Enclose existing unconditioned covered patio with windows and sliding doors with screens. Add a covered pergola roof structure to the existing open patio, per plan. All existing unconditioned space will remain unconditioned space. Please refer to Permit B 12002890 sheets A-11 & A-12 for existing structure.

PROPERTY OWNER INFORMATION REQUIRED

Owner(s) Name(s) (As it appears on tax records): Marriner Family Irrevocable Trust
Primary Residence: Yes
Owner's Street Address: 4411 Manor Lane
City: Ellicott City
State: MD
Zip Code: 21042
Phone: (410) 215-4001
Email: randy@manor-hill.com

APPLICANT NAME REQUIRED - INDIVIDUAL WHO SIGNS THIS APPLICATION

Business Name: Manor Hill Farm
Contact Name: E. Randolph (Randy) Marriner
Street Address: 4411 Manor Lane
City: Ellicott City
State: MD
Zip Code: 21042
Phone: (410) 215-4001
Email: randy@manor-hill.com

CONTRACTOR INFORMATION REQUIRED

Business Name: Michael J Greer
Licensee's Name: Michael J Greer
License #: 29172
Street Address: 1820 Bowersox Rd
City: New Windsor
State: MD
Zip Code: 21176
Phone: (410) 984-8738
Email: mgsawdust@gmail.com

ARCHITECT/ENGINEER INFORMATION INDIVIDUAL WHO SIGNED PLANS, IF APPLICABLE

Business Name: Sunset Design
Name: Michael Stevenson
Street Address: 591 Moran Ct
City: Annapolis
State: MD
Zip Code: 21401
Phone: (443) 995-5585
Email: mbsce82@gmail.com

BUILDING CHARACTERISTICS REQUIRED

Primary Structure: SF Dwelling
Condo: No
Utilities: Electric, Gas
Water Supply: Private (Well)
Sewage Disposal: Private (Septic)
Heating System: Geothermal
Roadside Tree Project: No
Sprinkler System: NFPA 13
Fire Alarm System: No

ADDITIONAL RESIDENTIAL INFORMATION (PLEASE SELECT/COMPLETE ALL THAT APPLY)

Model Name & Options:
# of Bedrooms (SF):
# of efficiency units (MF\*):
# of 1 BR (MF\*):
# of 2 BR (MF\*):
# of 3 BR (MF\*):
# Rooms:
# Full Baths:
# Half Baths:
# Fireplaces:
Garage/Carport Info:
Basement/Foundation Info:
1st Fl Width:
1st Fl Depth:
2nd Fl Width:
2nd Fl Depth:
Bsmt Width:
Bsmt Depth:
Energy Method:
Gross Area:
Occupiable Area:

AGREEMENT/ DISCALIMER REQUIRED

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

APPLICANT'S ORIGINAL SIGNATURE

DATE SIGNED 12/28/20

FOR OFFICE USE ONLY

CHECKS PAYABLE TO: DIRECTOR OF FINANCE OF HOWARD COUNTY

AGENCIES REQUIRED/APPROVALS:

PR DPZ DED Health SHA CID

SUBMITTAL FEES: PAYMENT: ACCEPTED BY:

DROPBOX  
RECEIVED

JAN 05 2020

LICENSES & PERMITS  
DIVISION

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

Date: 01/05/2021

To: Marcus Powell Regulation Support  
(Reviewer/Requestor's Name) (Division)

From: Randy Marriner, Manor Hill Farm (410) 215-4001  
(Your Name, Company Name) (Phone Number)

Subject: Project name Marriner Residence Outdoor Remodel  
Project site address 4411 Manor Lane, Ellicott City, MD 21042  
Permit # B20004578 SDP # \_\_\_\_\_  
Other information pertinent to this project \_\_\_\_\_

✓ 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 Third Plan Set (be specific).  
 Health Department Request  DPZ/ DED Request  Applicant's Request
- Two sets of single-family model plans to be placed on permanent file: Model Name/ # \_\_\_\_\_
- Other \_\_\_\_\_

**Contact Person Information: (Required)**

Randy Marriner  
Please Print Name

Telephone No: (410) 215-4001

E-Mail Address: randy@manor-hill.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 OPTION #4 OR BY VISITING MYHOWARD.INFO. 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.**

**Randy Marriner**

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**From:** Powell, Markus P. <mpowell@howardcountymd.gov>  
**Sent:** Tuesday, January 5, 2021 9:10 AM  
**To:** Randy Marriner  
**Cc:** Hill, Amanda; Hurman, Laura; Roussell, Lisa  
**Subject:** B20004578 - 4411 Manor Lane

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LICENSES & PERMITS  
DIVISION

Good Morning,

The above referenced permit has been entered into the system and forwarded for review.

Please be advised, a third set of construction drawings is required for the Health Department's review. Please provide this office with a third set of drawings at your earliest convenience. Be sure to attach a copy of this email correspondence for reference.

Regards,

*Markus Powell*

**Regulation Support Technician**

Department of Inspections, Licenses and Permits

3430 Court House Drive

Ellicott City, MD 21043

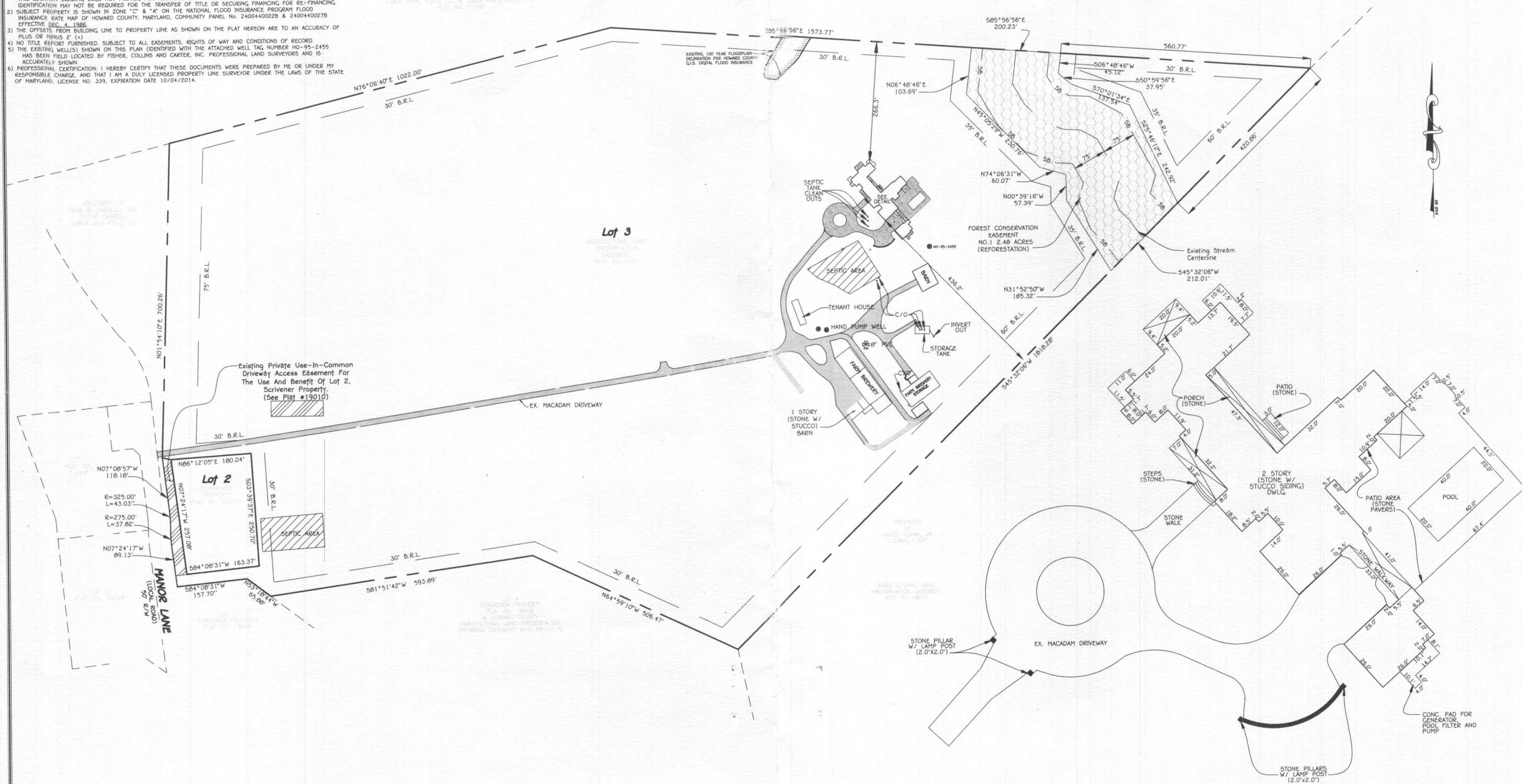
[mpowell@howardcountymd.gov](mailto:mpowell@howardcountymd.gov)

410-313-2455

410-313-3322 (Fax)

**GENERAL NOTES:**

- 1) THIS LOCATION DRAWING IS PREPARED FOR THE BENEFIT OF THE CLIENT SIGNING THE HOUSE LOCATION SURVEY APPROVAL FORM INsofar AS IT IS REQUIRED BY A LENDER OR TITLE INSURANCE COMPANY OR ITS AGENTS IN CONNECTION WITH THE CONTEMPLATED TRANSFER, FINANCING, OR REFINANCING OF THE PROPERTY SHOWN HEREON. UNLESS INDICATED AS BEING A BOUNDARY SURVEY, THIS LOCATION DRAWING IS NOT INTENDED FOR USE IN THE ESTABLISHMENT OF PROPERTY LINES AND IS NOT TO BE RELIED UPON FOR THE ESTABLISHMENT OR LOCATIONS OF FENCES, GARAGES, BUILDINGS OR OTHER EXISTING OR FUTURE IMPROVEMENTS. AS A RESULT, THIS LOCATION DRAWING DOES NOT PROVIDE FOR ACCURATE IDENTIFICATION OF PROPERTY LINES, BUT SUCH IDENTIFICATION MAY NOT BE REQUIRED FOR THE TRANSFER OF TITLE OR SECURING FINANCING FOR RE-FINANCING.
- 2) SUBJECT PROPERTY IS SHOWN IN ZONE "C" & "X" ON THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP OF HOWARD COUNTY, MARYLAND, COMMUNITY PANEL No. 24004400228 & 24004400278 EFFECTIVE DEC. 4, 1986.
- 3) THE OFFSETS FROM BUILDING LINE TO PROPERTY LINE AS SHOWN ON THE PLAT HEREON ARE TO AN ACCURACY OF PLUS OR MINUS 2" (1).
- 4) NO TITLE REPORT FURNISHED. SUBJECT TO ALL EASEMENTS, RIGHTS OF WAY AND CONDITIONS OF RECORD.
- 5) THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER 10-99-2455 HAS BEEN FIELD LOCATED BY FISHER, COLLINS AND CARTER, INC. PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.
- 6) PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROPERTY LINE SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 339, EXPIRATION DATE 10/04/2014.



#4411 MANOR LANE  
 B.R.L. = BUILDING RESTRICTION LINE  
 S.B. = STREAM BUFFER  
 TOP OF FOUNDATION ELEVATION = 446.5'

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 10000 NORTON ROAD, SUITE 200  
 ELICOTT CITY, MARYLAND 21042  
 (410) 481-2895

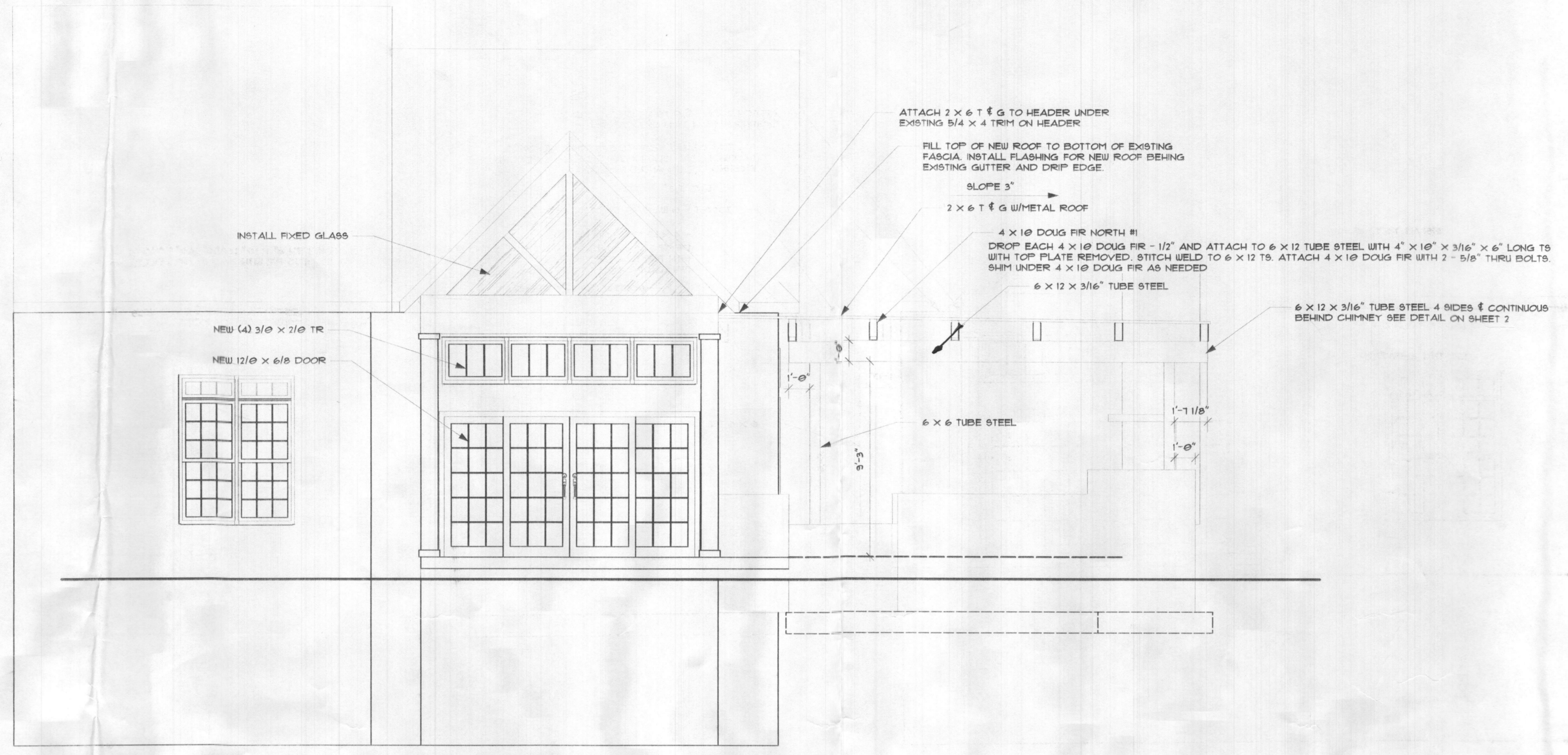
PROFESSIONAL LAND SURVEYOR DATE  
 REG. #

**HOUSE LOCATION DRAWING**

FOUNDATION LOCATION: N/A  
 FINAL LOCATION: 8/23/13  
 BOUNDARY SURVEY:  
 SCALE: 1"=100'  
 DATE: 8/27/13  
 DRAWN BY: JMS  
 CHECKED BY: MLE  
 PROJECT No. 21113-8001

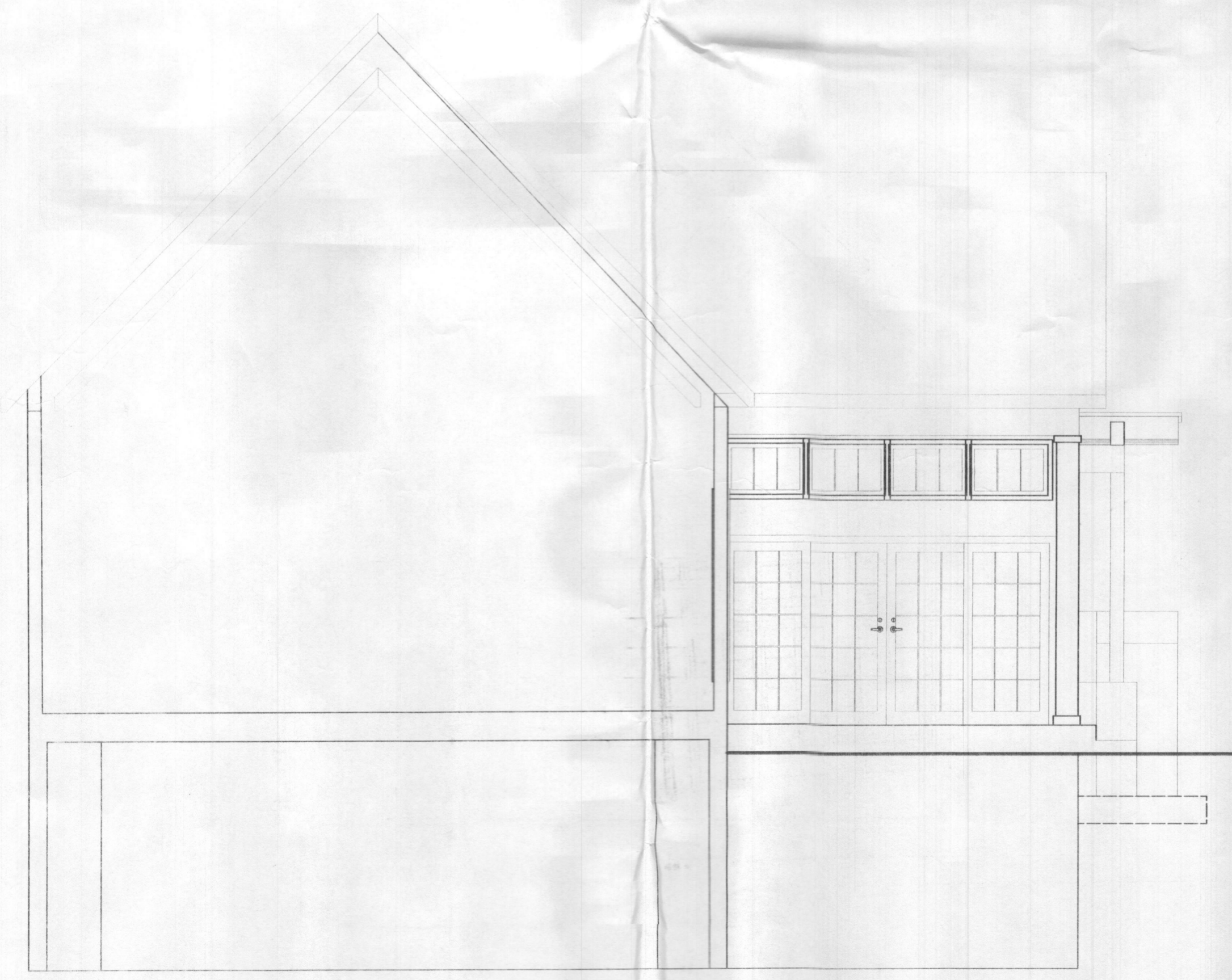
**LOT #3**

PLAT OF REVISION AND FOREST CONSERVATION PLAT OF EASEMENT SCRIVENER PROPERTY PLAT #19888  
 (REVISION TO LOT 3, SCRIVENER PROPERTY, PLATS 19009 AND 19010  
 TAX MAP No. 29 GRID No. 5 PARCEL No. 19  
 SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND



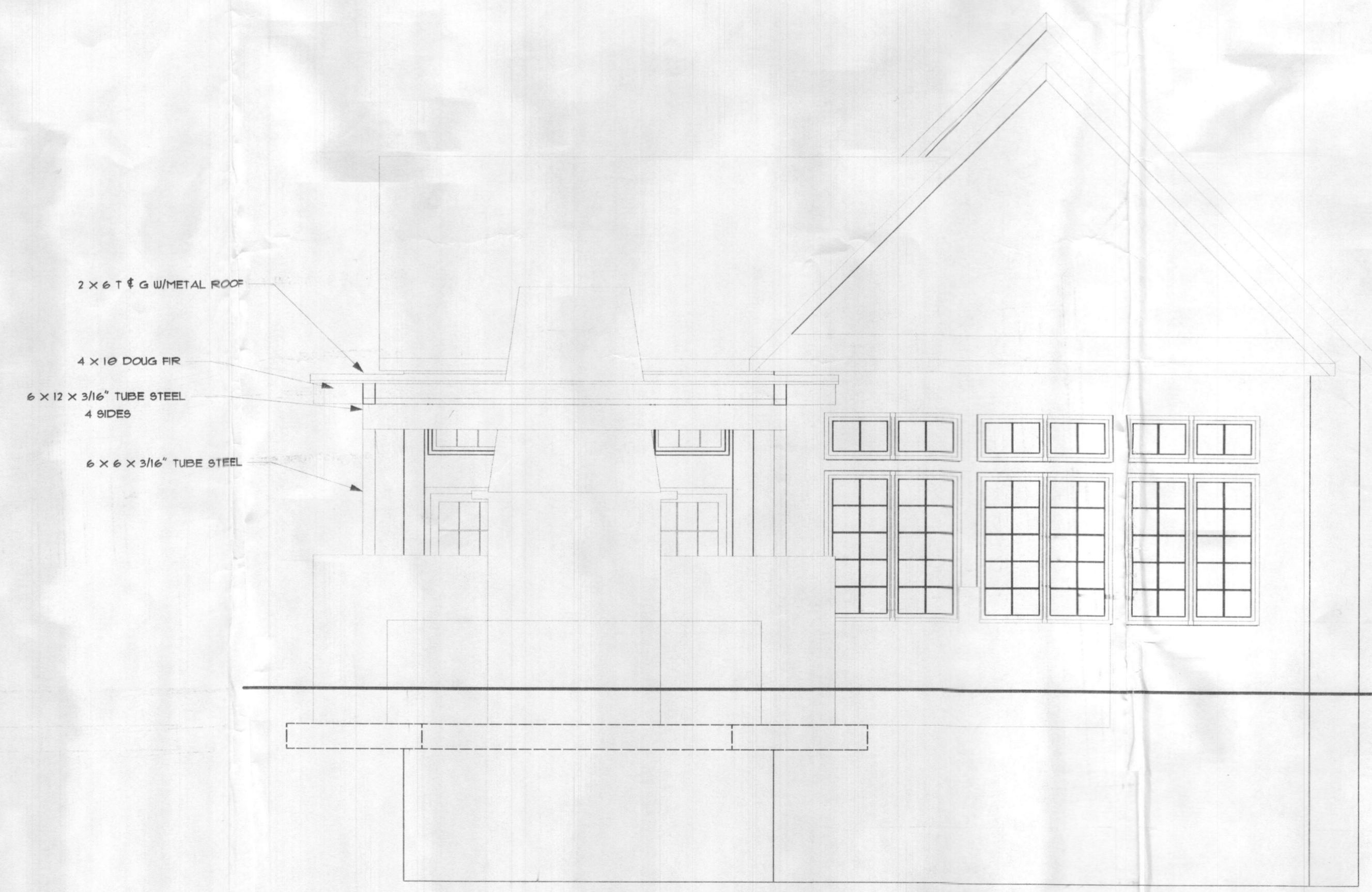
FRONT ELEVATION

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



LEFT ELEVATION

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



RIGHT ELEVATION

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

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland. License No. 16290 Expiration Date: 11/1/22

DATE: 12/06/20



SUNSET DESIGN

391 MORAN COURT  
ANNAPOLIS, MD 21401  
PHONE: 443-935-5585  
DRAWN BY: MICHAEL STEVENSON

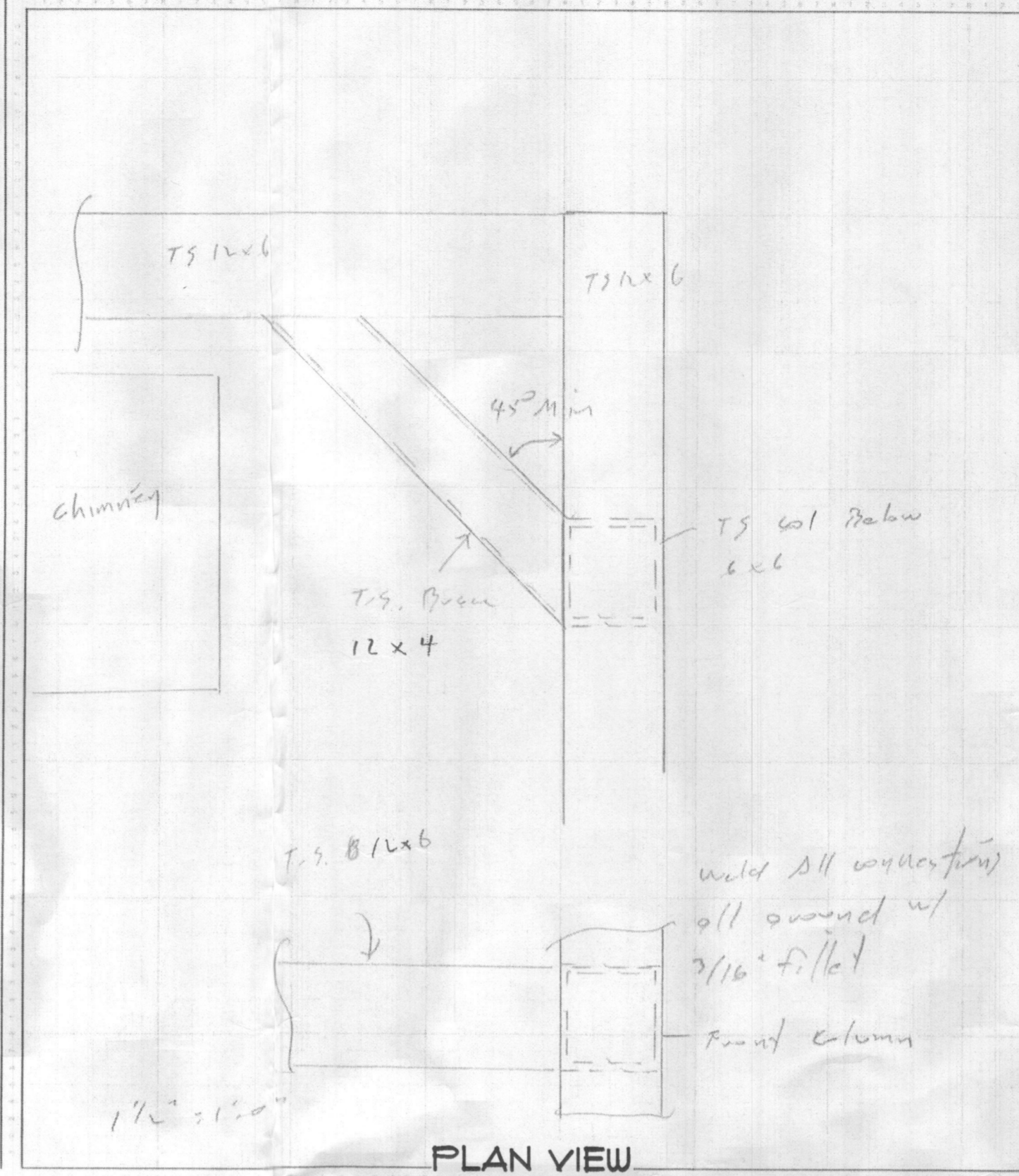
REMODEL FOR:  
RANDY & MARY MARRINER  
4411 MANOR HILL LANE  
ELLCOTT CITY, MD 21042

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LICENSES & PERMITS  
DIVISION

SHEET  
1

**BLAKE STRUCTURAL**  
12518 RIDGELY ROAD  
RIDGELY, MARYLAND 21160  
Cell (443) 604-1461

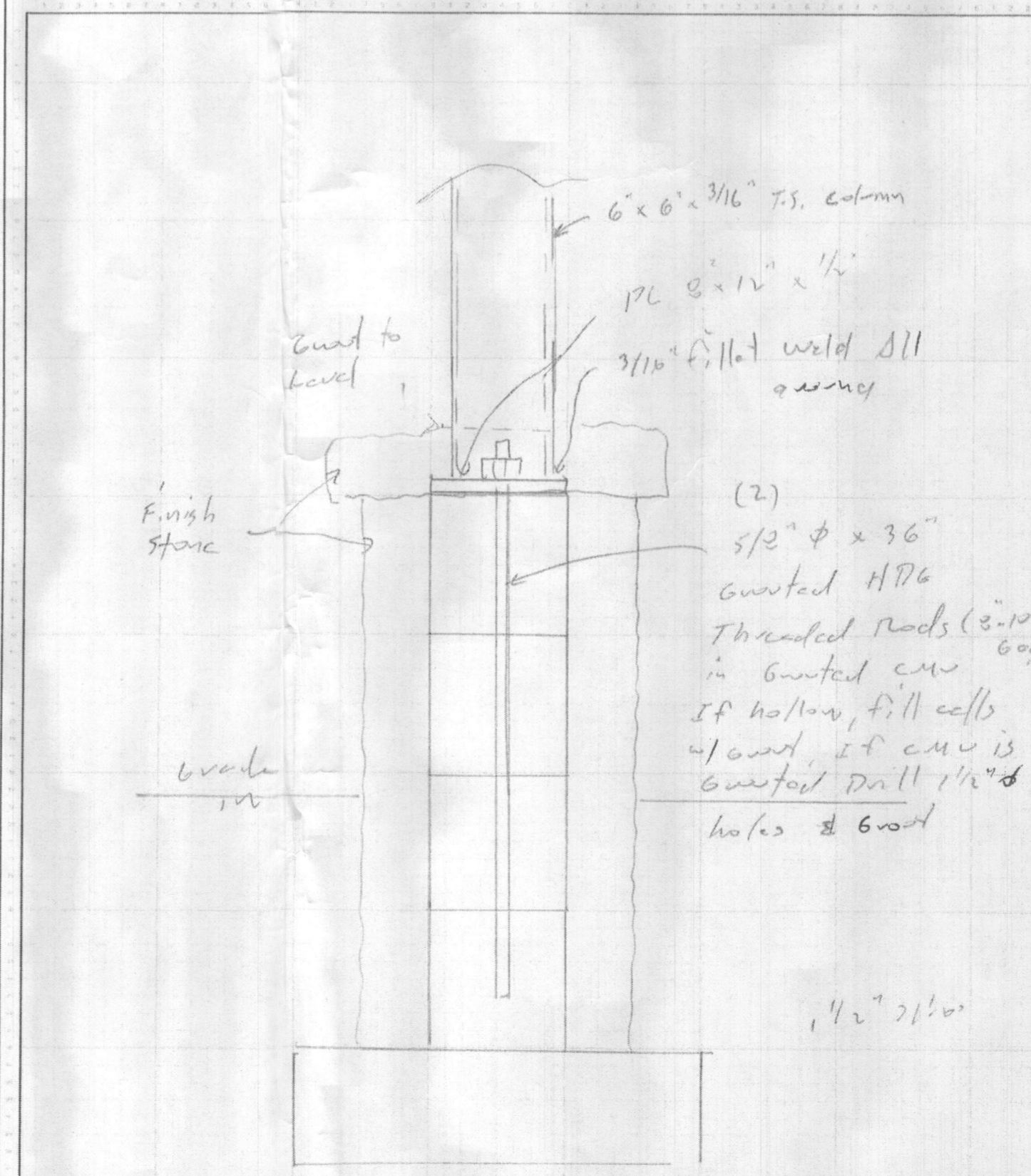
JOB: *Mariner*  
SHEET NO. *1* OF *1*  
CALCULATED BY: *1/2/20* DATE: *11/30/20*  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
SCALE: \_\_\_\_\_



PLAN VIEW

**BLAKE STRUCTURAL**  
12518 RIDGELY ROAD  
RIDGELY, MARYLAND 21160  
Cell (443) 604-1461

JOB: *Mariner*  
SHEET NO. *2* OF *1*  
CALCULATED BY: *1/2/20* DATE: *11/30/20*  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
SCALE: \_\_\_\_\_



BASE DETAIL

December 6, 2020  
Mariner Residence Porch Roof

Design rafters  
Span = 16.67' + 2.25' cant  
Spacing = 4.94'  
W = 40psf x 4.09' = 164 plf  
W adjusted for snow load Cd = 1.15 for 2 month duration  
W = 10 + 30psf sl/1.15 = 36.1 psf x 4.09' = 148 plf  
M = 5.138 k-ft - 0.375 = 4.764 k-ft = 57.17 in-k

Try 4x10 douglas fir north #1  
S = 3.5(9.25)²/2 = 49.91 in³  
Fb = M/S = 1145 psi  
Fb allowable = 1150 psi > 1145 - ok

Check shear  
V = 148plf(16.67/2 - 9.25/12) = 1119 lbs  
Vcap = 2/3(3.5)(9.25)(180 psi) = 3885 lbs - ok

Design TS side beams  
W = 21.17/2 x 40psf + 20 = 443 plf  
Span = 17.5'  
M = 16.97 k-ft = 203.7 in-k  
Zmin = 203.7in-k/46ksi x 1.67 = 7.39 in³  
Use TS 12"x6"x3/16" Z = 25.4 in³ - ok > 7.39

Rmax = 443plf x 19' x 9.5/17.5' = 4569 lbs  
Use 7"x10" plate  
Fb = 4569lbs/70in² = 65 psi - ok

Check lateral wind  
W = 50 psf on projection  
W roof = 2' x 50 psf = 100 plf  
W posts = 0.5' x 50psf = 25 plf  
P at post = 100plf x 19' x 9.5/17.5' = 1031 lbs  
M = 1031lbs x 9' + 25plf x 8' x 4' = 10082ft-lbs/2 posts = 5041 ft-lbs  
Fb ts = 60.5 in-k/(S = 20.7 in³) = 2.92ksi x 3/16" = 0.55k/inch - use 3/16" fillet

Uplift due to overturning  
P = 10082ft-lbs/16.67' = 605 lbs

Uplift due to wind  
ASCe Table 26.11-1 GCp1 open buildings = 0.00 - no uplift

Weight of roof  
Decking = 1.5/12" x 35pcf = 4.4 psf  
W roof = 0.5 psf  
W joists = 3.5"x9.25"/144 x 35pcf = 8plf/4' = 2 psf  
W total = 20.08' x 21.17' x 6.4 psf = 2933 lbs  
W TS = 22.18plf x (2 x 16' + 2 x 20') = 1597 lbs  
P post = 14.53plf x 8' = 116 lbs  
P per post = (2933 + 1597)/4 + 116 = 1248 lbs  
FS up lift = 1248/605 = 2.06 > 2.0 - ok

DATE: 12/06/20



**SUNSET DESIGN**

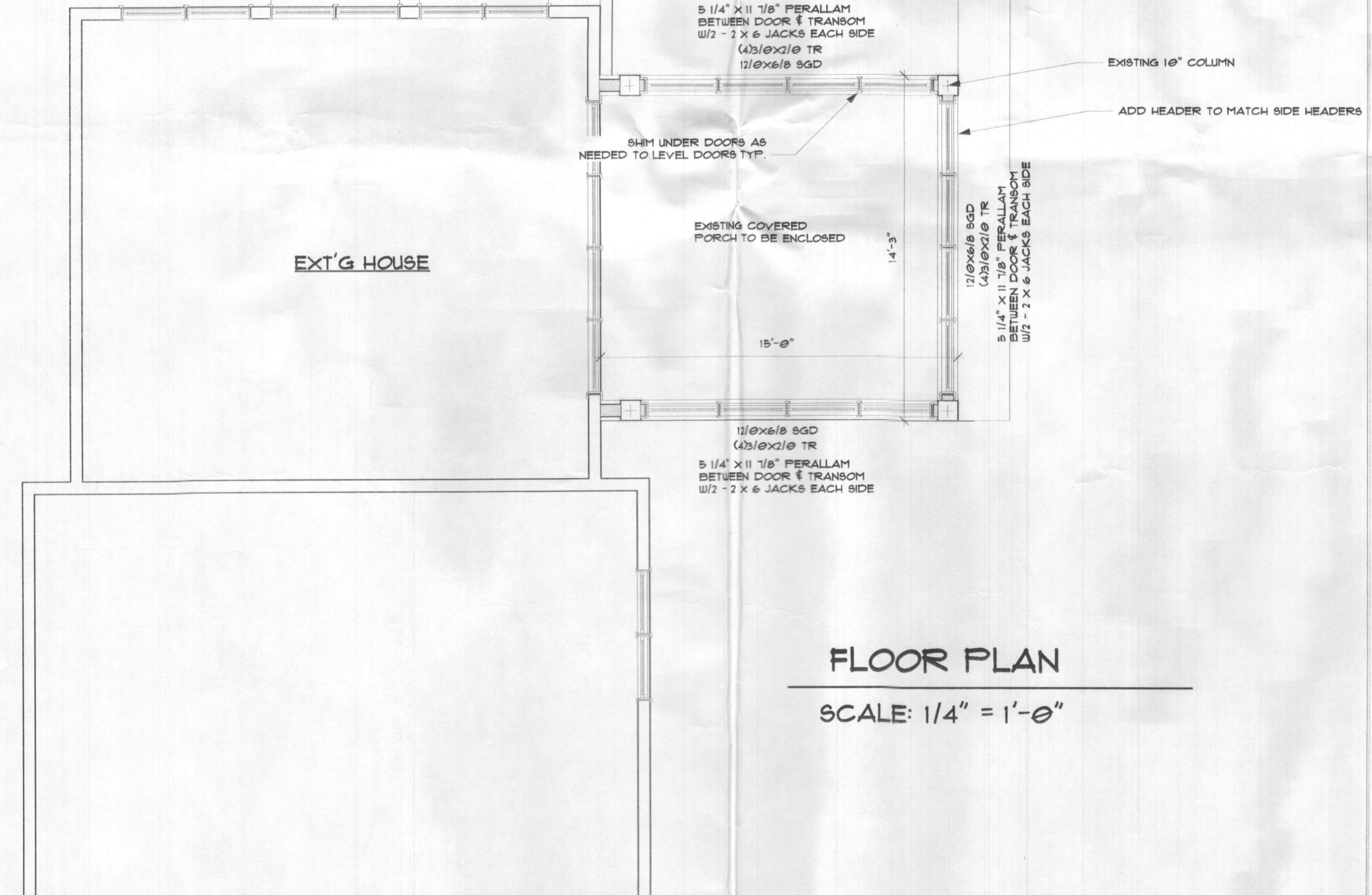
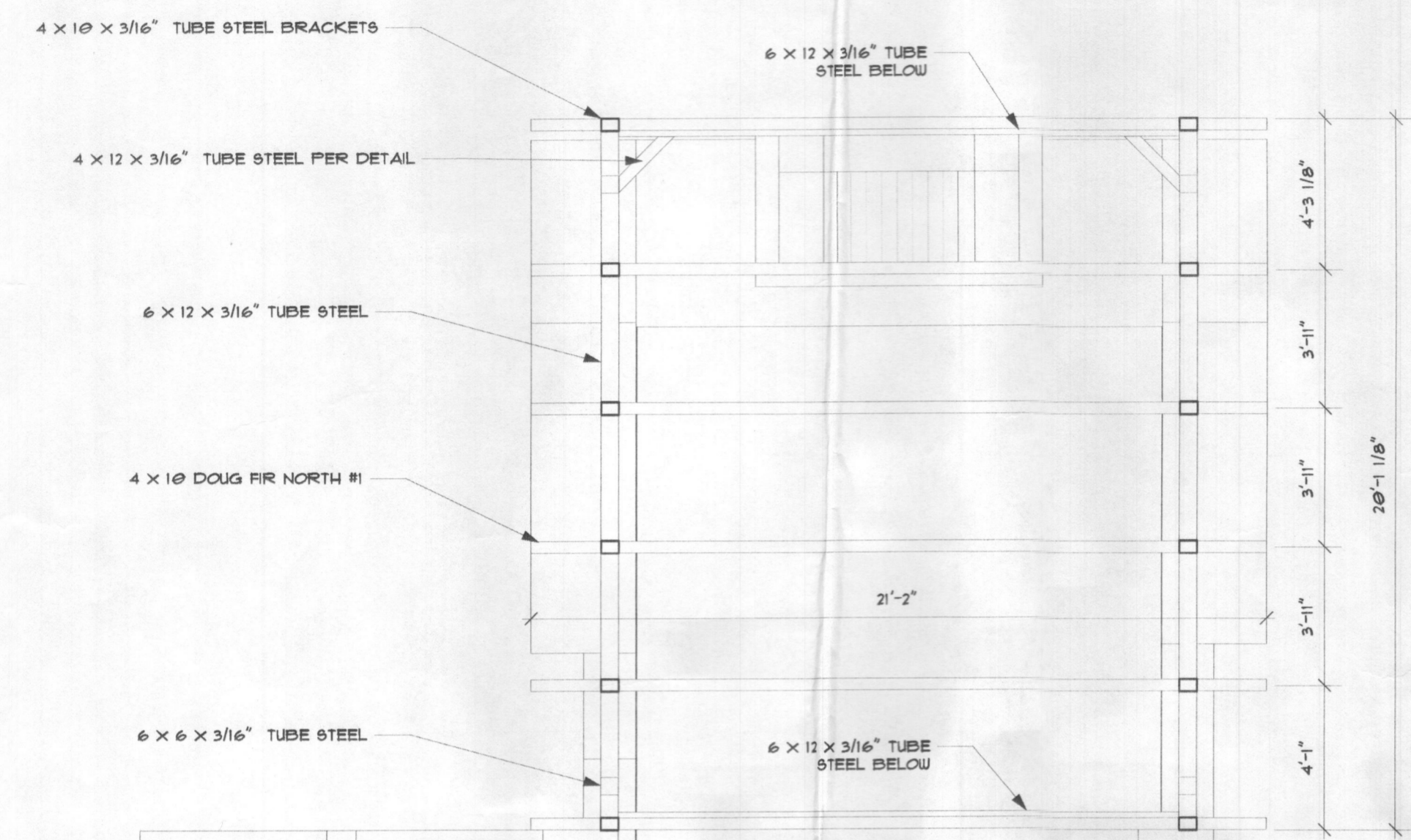
591 MORAN COURT  
ANNAPOLIS, MD 21401  
PHONE: 443-995-5565  
DRAWN BY: MICHAEL STEVENSON

REMODEL FOR:

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ELLICOTT CITY, MD 21042

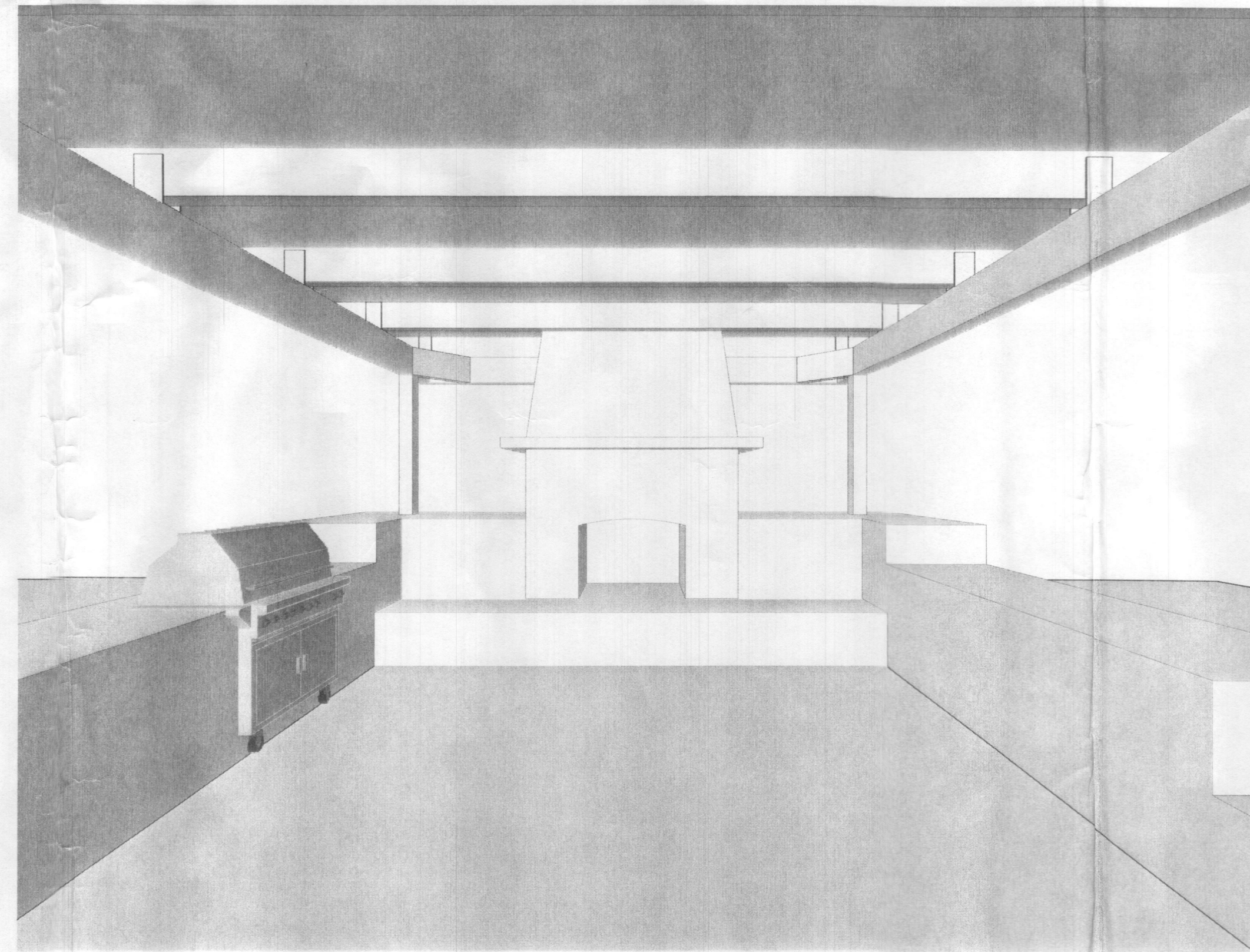
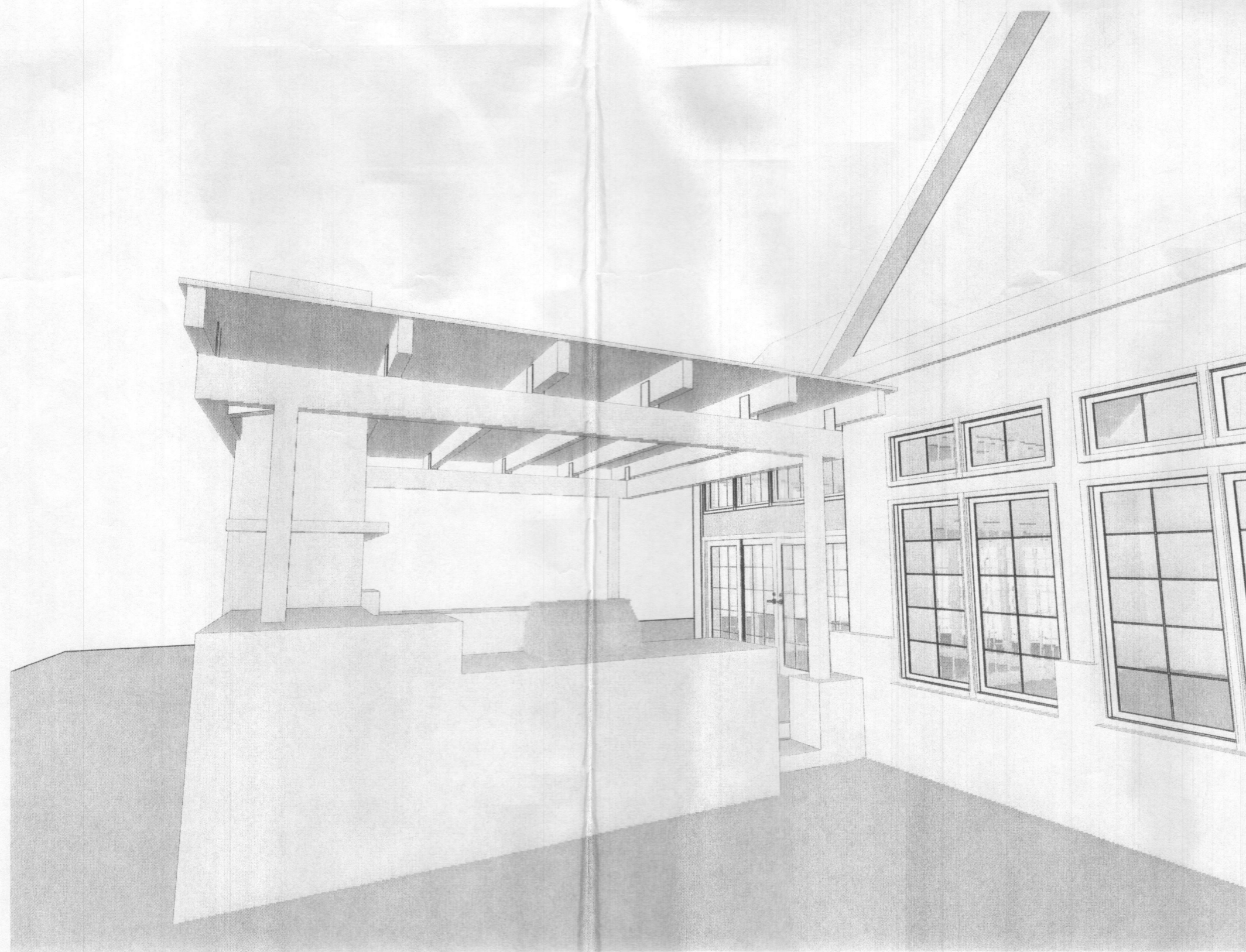
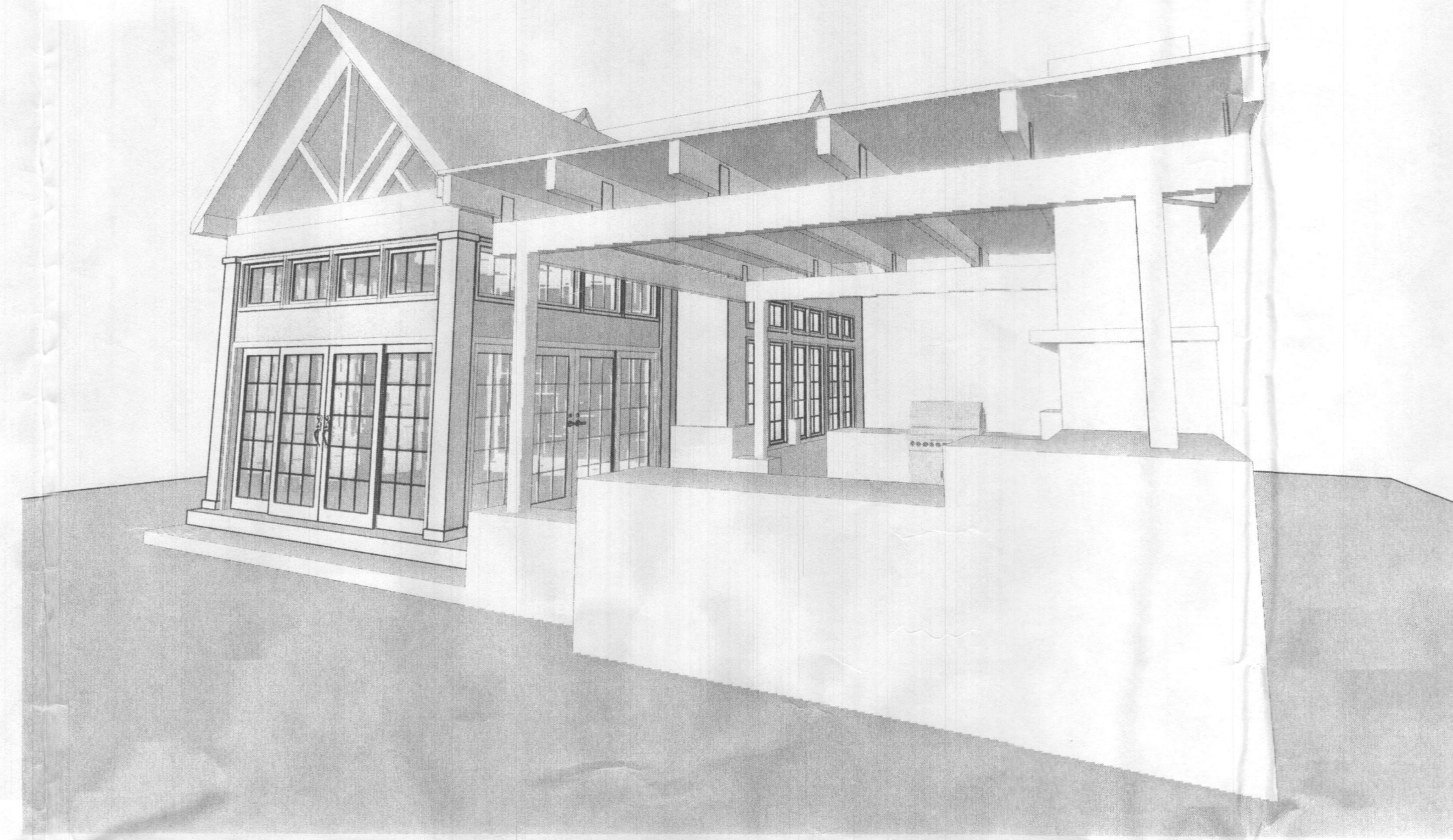
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2



FLOOR PLAN

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



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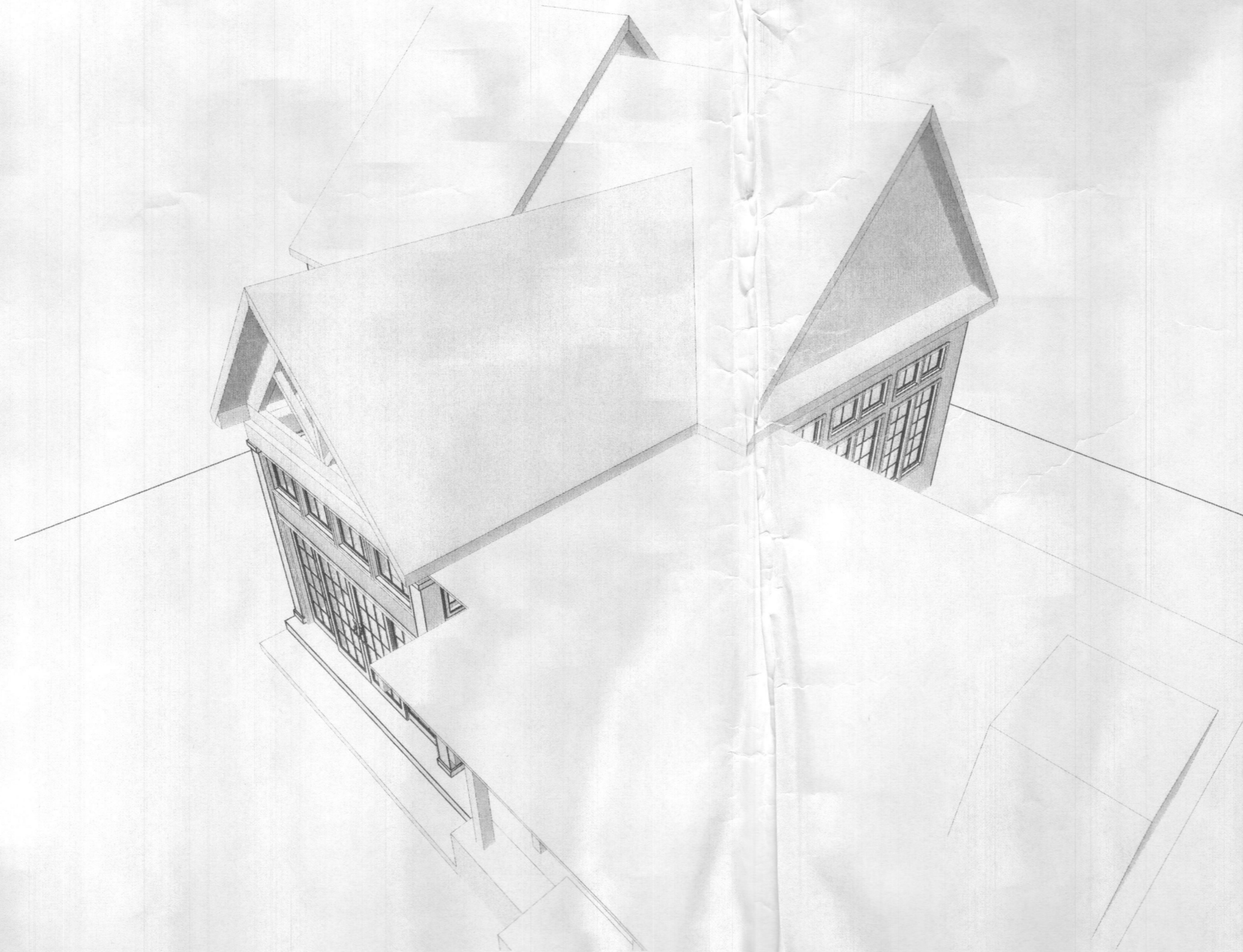
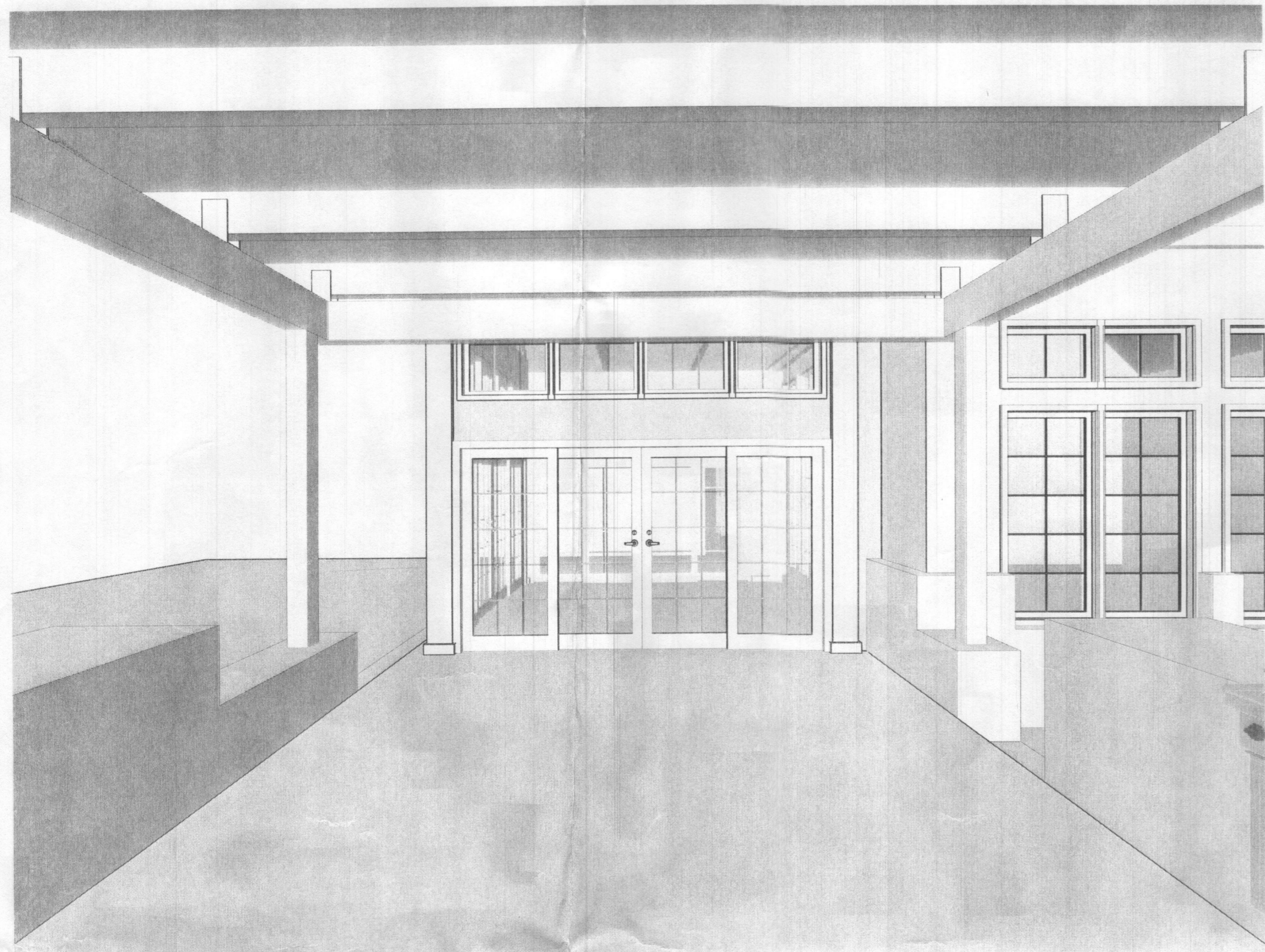


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 3



DATE: 12/06/20



**SUNSET DESIGN**  
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PHONE: 443-995-5505  
DRAWN BY: MICHAEL STEVENSON

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