





# Building Permit Application

Howard County Maryland  
Department of Inspections, Licenses and Permits  
3430 Court House Drive  
Permits: 410-313-2455  
www.howardcountymd.gov

Date Received: 10/30/19

Permit No.: B19003694

Building Address: 12020 Hau Shop RD  
City: Clarksville State: MD Zip Code: \_\_\_\_\_  
Suite/Apt. # \_\_\_\_\_ SDP/WP/BA #: \_\_\_\_\_  
Subdivision: \_\_\_\_\_  
Lot: \_\_\_\_\_ Tax Map: \_\_\_\_\_ Parcel: \_\_\_\_\_

Existing Use: Residential/Single Family  
Proposed Use: Single Family Home  
Estimated Construction Cost: \$ 30,000  
Description of Work: Finish Basement & Replace SGD & KIDL =

Occupant/Tenant Name: Kazuo Takahashi  
Was tenant space previously occupied?  Yes  No  
Contact Name: Kazuo Takahashi  
Address: 12020 Hau Shop RD  
City: Clarksville State: MD Zip Code: \_\_\_\_\_  
Phone: 410-852-4154 Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

Property Owner's Name: Kazuo Takahashi  
Address: 12020 Hau Shop RD  
City: Clarksville State: MD Zip Code: \_\_\_\_\_  
Phone: 410-852-4154 Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

Applicant's Name & Mailing Address, (If other than stated herein)  
Applicant's Name: JDS Home Improvement LLC  
Address: 2013 Woodfield Road  
City: Croftersburg State: MD Zip Code: 20882  
Phone: 240-388-8275 Fax: \_\_\_\_\_  
Email: Jordan@JDSHomeImprovement.com

Contractor Company: JDS Home Improvement LLC  
Contact Person: Jordan Jordan  
Address: 2013 Woodfield Road  
City: Croftersburg State: MD Zip Code: 20882  
License No.: 9A098  
Phone: 240-388-8275 Fax: \_\_\_\_\_  
Email: Jordan@JDSHomeImprovement.com

Engineer/Architect Company: JDS/Quik  
Responsible Design Prof.: Charles West  
Address: P.O. Box 80 - Gerrards Town  
City: Gerrards Town State: MD Zip Code: 25420  
Phone: 301-938-0413 Fax: \_\_\_\_\_  
Email: Time Scout 1971@gmail.com

Commercial Building Characteristics	Residential Building Characteristics
Height:	<input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse
No. of stories:	Depth Width
Gross area, sq. ft./floor:	1 <sup>st</sup> floor:
	2 <sup>nd</sup> floor:
Area of construction (sq. ft.):	Basement:
	<input type="checkbox"/> Finished Basement
Use group:	<input type="checkbox"/> Unfinished Basement
	<input type="checkbox"/> Crawl Space
Construction type:	<input type="checkbox"/> Slab on Grade
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms:
<input type="checkbox"/> Structural Steel	<u>Multi-family Dwelling</u>
<input type="checkbox"/> Masonry	No. of efficiency units:
<input type="checkbox"/> Wood Frame	No. of 1 BR units:
<input type="checkbox"/> State Certified Modular	No. of 2 BR units:
	No. of 3 BR units:
	Other Structure:
	Dimensions:
	Footings:
	Roof:
	<input type="checkbox"/> State Certified Modular
	<input type="checkbox"/> Manufactured Home

Utilities	
Electric:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Gas:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Heating System	
<input checked="" type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
Sprinkler System:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Grading Permit Number:	
Building Shell Permit Number:	

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 Signature: [Signature] Print Name: Charles West Designer  
Email Address: Time Scout 1971@gmail.com Date: 8/30/2018  
Title/Company: Designer

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

\*\*PLEASE WRITE NEATLY & LEGIBLY\*\*

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>10/31/19</u>	<u>H. Osawa</u>

Is Sediment Control approval required for issuance?  Yes  No  
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION	
Front:	
Rear:	
Side:	
Side St.:	
All minimum setbacks met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:	
SDP/Red-line approval date:	

Filing Fee	\$	
Permit Fee	\$	
Tech Fee	\$	
Excise Tax	\$	
PSFS	\$	
Guaranty Fund	\$	
Add'l per Fee	\$	
Total Fees	\$	
Sub-Total Paid	\$	
Balance Due	\$	
Check	#	

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA

\* DICK UP \*

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Monday, October 21, 2019 6:56 AM  
**To:** Hiroko Takahashi  
**Subject:** RE: 12020 Hall Shop

Good morning Hiroko Takahashi,

The septic installation has been approved. Please proceed with the building permit application process. Once you know the building permit number, please forward it to me.

Thanks,

Hank

---

**From:** Hiroko Takahashi <htakahashi12020@gmail.com>  
**Sent:** Saturday, October 19, 2019 4:02 AM  
**To:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Cc:** kazue.takahashi@comcast.net  
**Subject:** 12020 Hall Shop

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hi Hank,

Could you let us know if we can consider our new septic tank installment is complete as far as health department is concerned?

Our original plan was to improve basement and it is still on hold till I hear from you that new septic tank process is completed and we can proceed with our original plan.

Regards,  
Hiroko Takahashi

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Tuesday, August 13, 2019 9:29 AM  
**To:** Gregory Benefiel  
**Subject:** RE: Kazue Property

Hi Greg:

As discussed with consultant, Chuck West about running pipe through the footer wall, we will need something from the County Permits Office indicating that this design is okay and it would not jeopardize the structural integrity of the house foundation.

Let me know if you have any questions.

Thanks,

Hank

---

**From:** Gregory Benefiel <surveysinc@verizon.net>  
**Sent:** Monday, August 12, 2019 1:08 PM  
**To:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Subject:** Re: Kazue Property

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello Hank,

I just returned from a 2 week vacation and trying to catch up. The plan you received was incorrect. Attached is the plan you should have received. I have revised the profile and elevations as so. There is wiggle room between the basement elevation and proposed invert at the house line. 1.9 feet. On a 12" footer, we would be skimming the top, based in the sewer from the house (out) and Invert in to the Septic Tank at 2 %. You could raise the sewer to 2.1% and would clear the footer. This would be fine. Your thoughts.

Thanks

Greg Benefiel  
Survey's Inc.  
301-776-0561

-----Original Message-----

**From:** Oswald, Hank <hoswald@howardcountymd.gov>  
**To:** Gregory Benefiel <surveysinc@verizon.net>  
**Sent:** Mon, Aug 12, 2019 9:17 am  
**Subject:** RE: Kazue Property

Hi Greg:

At a quick glance, you show the elevation of the footer at 480.80 and the invert line elevation below the footer at 481.70.

Hank

---

**From:** Gregory Benefiel <[surveysinc@verizon.net](mailto:surveysinc@verizon.net)>  
**Sent:** Thursday, August 08, 2019 3:51 PM  
**To:** Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)>  
**Subject:** Kazue Property

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

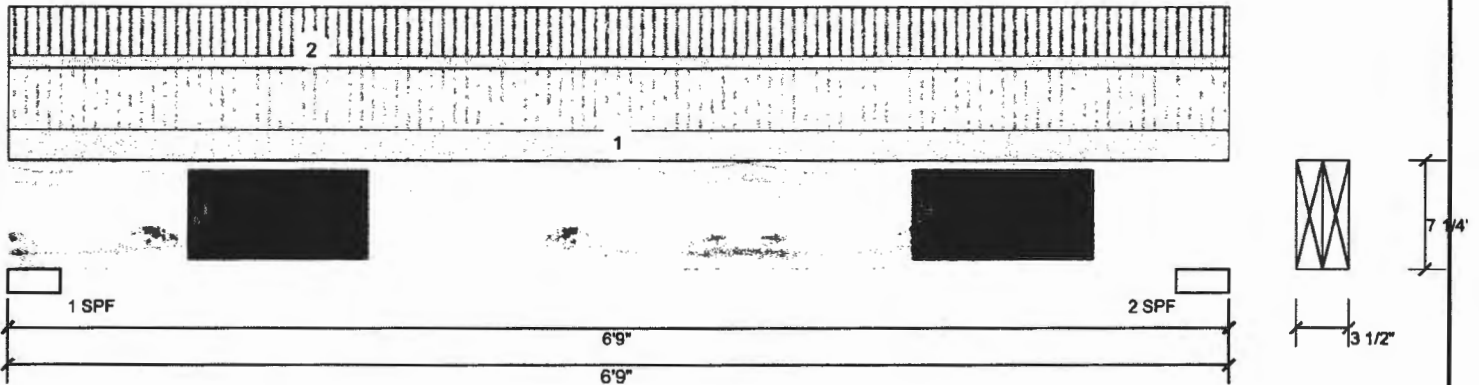
Good afternoon Hank,

Attached is a revision of the plans after the contractor dug out around footers. Tom & Field Crew measured and hopefully my calculations and revisions are OK. If they are, we will make new copies and get them up to you. Thank you.

Brad Kirkley  
Surveys, Inc.

**B1 2.0E Rigidlam LVL 1.750" X 7.250" 2-Ply - PASSED**

Level: Level



**Member Information**

**Reactions UNPATTERNED lb (Uplift)**

Type:	Girder
Piles:	2
Moisture Condition:	Dry
Deflection LL:	480
Deflection TL:	240
Importance:	Normal
Temperature:	Temp <= 100°F

Application:	Floor
Design Method:	ASD
Building Code:	IBC/IRC 2015
Load Sharing:	No
Deck:	Not Checked

Brg	Live	Dead	Snow	Wind	Const
1	2734	1086	0	0	0
2	2734	1086	0	0	0

**Bearings**

Bearing	Length	Cap. React D/L lb	Total Ld. Case	Ld. Comb.
1 - SPF	3.500"	73% 1086 / 2734	3819 L	D+L
2 - SPF	3.500"	73% 1086 / 2734	3819 L	D+L

**Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	5600 ft-lb	3'4 1/2"	8436 ft-lb	0.664 (66%)	D+L	L
Unbraced	5600 ft-lb	3'4 1/2"	7246 ft-lb	0.773 (77%)	D+L	L
Shear	2876 lb	10"	4906 lb	0.586 (59%)	D+L	L
LL Defl inch	0.128 (L/588)	3'4 1/2"	0.157 (L/480)	0.820 (82%)	L	L
TL Defl inch	0.179 (L/421)	3'4 1/2"	0.315 (L/240)	0.570 (57%)	D+L	L

**Design Notes**

- Girders are designed to be supported on the bottom edge only.
- Multiple plies must be fastened together as per manufacturer's details.
- Top loads must be supported equally by all plies.
- Top braced at bearings.
- Bottom braced at bearings.
- Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform		1-0-0	Top	225 PSF	450 PSF	0 PSF	0 PSF	0 PSF	
2	Uniform			Top	90 PLF	360 PLF	0 PLF	0 PLF	0 PLF	
	Self Weight				7 PLF					

**Notes**  
Calculated Structural Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

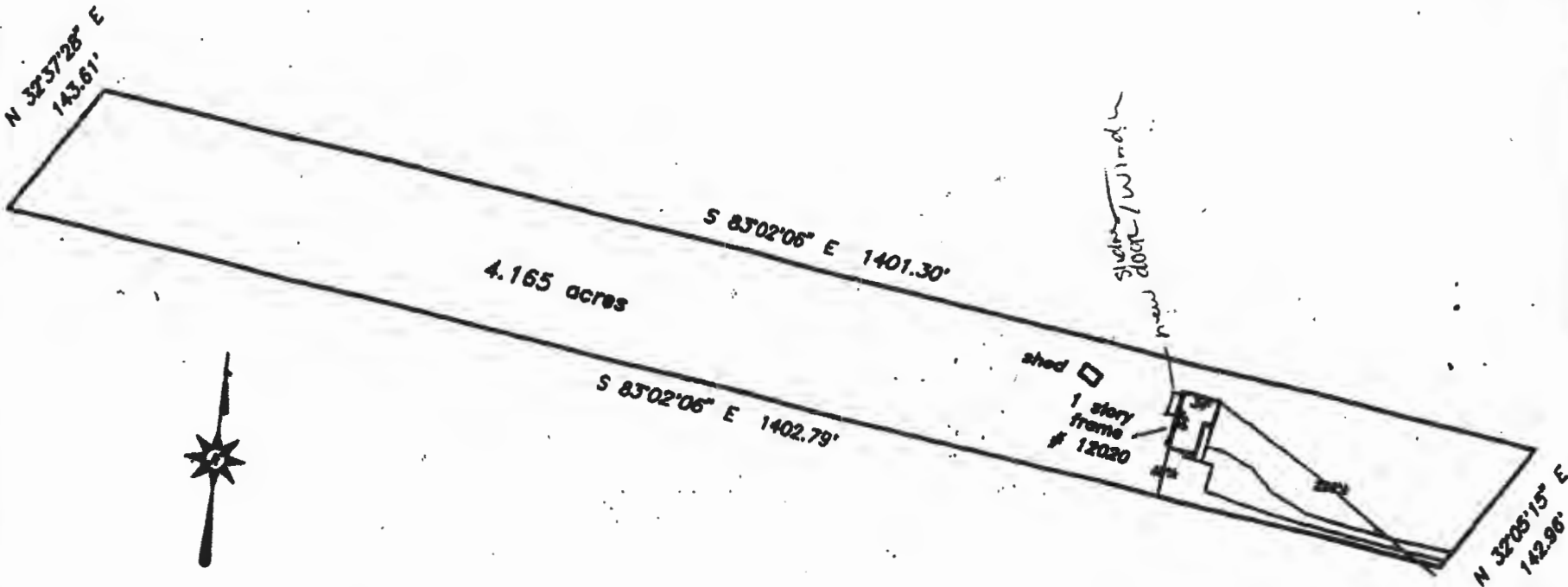
**Lumber**  
1. Dry service conditions, unless noted otherwise  
2. LVL not to be treated with fire retardant or corrosive chemicals

**Handling & Installation**  
1. LVL beams must not be cut or drilled  
2. Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals  
3. Damaged Beams must not be used  
4. Design assumes top edge is laterally restrained  
5. Provide lateral support at bearing points to avoid lateral displacement and rotation  
6. For flat roofs provide proper drainage to prevent ponding

**Manufacturer Info**  
Roseburg Forest Products  
4500 Riddle By-pass Rd  
Riddle, OR 97469  
(541) 784-4005  
www.roseburg.com  
APA: PR-L289, PR-L270, ICC-ES: ESR-1210

NOTES:

- 1) B.L.L. information, if shown, was obtained from existing record plat or local agencies and is not guaranteed by NTT, Inc.
- 2) Building line and/or Flood Zone information is subject to the interpretation of the originator.
- 3) NTT, Inc. does not certify to existence or unrecorded encroachments or overlaps.
- 4) Property markers not found, or guaranteed by this location.
- 5) Subject distances courtesy: J.L.



Subject property is shown in Zone C on the National Flood Insurance Program Flood Insurance Rate Map of Howard County, Maryland, Panel 13 of 45 Community Panel # 240044-0032 # Effective Date: December 4, 1995

This is to certify that I have surveyed the property shown hereon, being known as **12020 Hall Shop Road** recorded in the Land Records of Howard County, Maryland in Plat Bk. **Liber 1281 Follo 883** for the purpose of locating the improvements thereon.

- This plat is of benefit to the consumer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing, or refinancing purposes.
- This plat is not to be relied upon for the establishment of location of fences, garages, buildings, or other existing or future structures.
- This plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or for securing financing or refinancing.

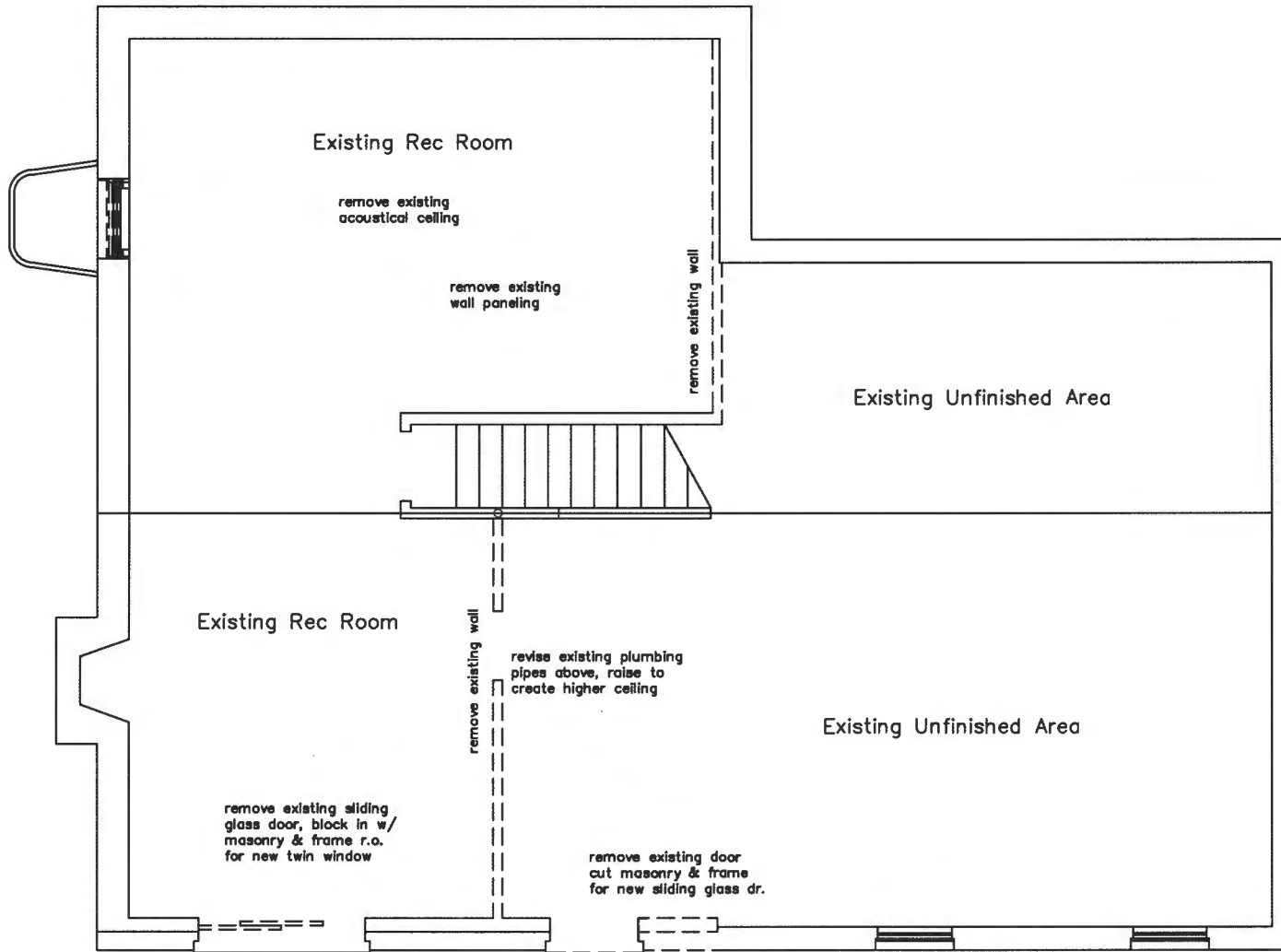


**LOCATION DRAWING**  
**12020 Hall Shop Road**

**5th election district**  
**HOWARD COUNTY, MARYLAND**

**NTT Associates, Inc.**  
• 16205 Old Frederick Road  
Mt. Airy, Maryland 21771  
Ph. (410)442-2031  
Fax No. (410)442-1315

Scale:	1" = 150'
Date:	September 2, 1999
Field by:	JLM
Drawn by:	
Drawing #	230-EC



1 Existing Basement / Demolition  
 Page 1 Scale: 1/4"=1'-0"

Takahashi Basement  
 12020 Hall Shop Road  
 Clarksville Md

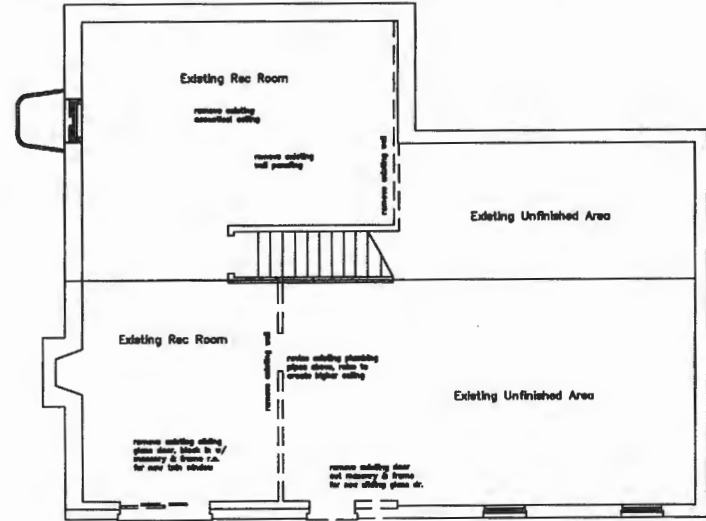
DESIGNER: CHARLES WEST  
 PO BOX 80  
 GERRARDSTOWN WV 25420  
 Office: 304-229-2414  
 Cell: 301-938-0413

**CWEST**  
 DESIGNER

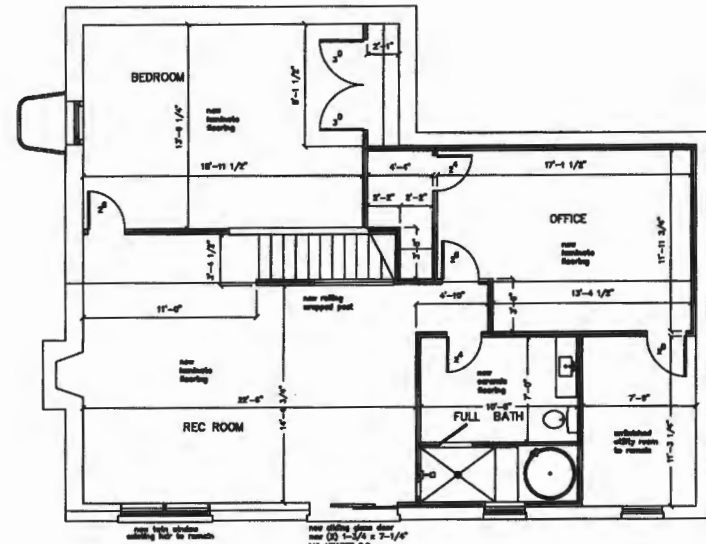
SHEET NO.  
 Page 1B  
 SCALE  
 1/4"=1'-0"  
 DRAWN BY  
 C WEST  
 DATE  
 08/24/2018

NAME  
 ADDRESS  
 CITY / STATE  
 ZIP

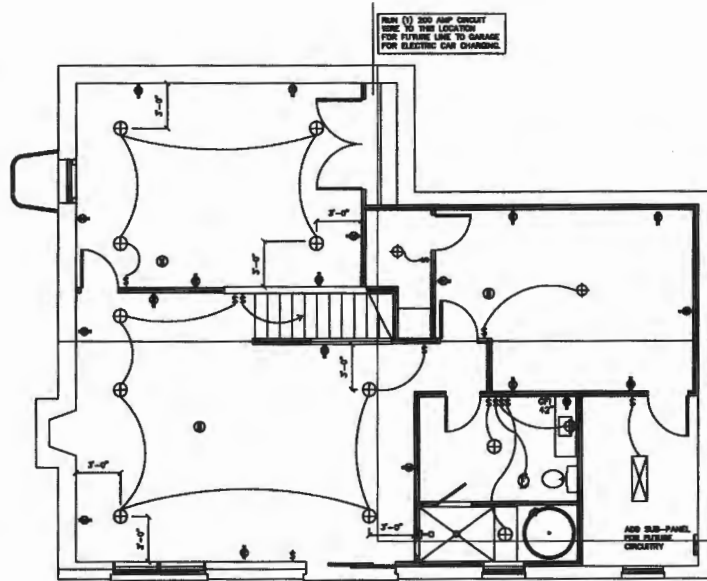




1 Existing Basement / Demolition  
Page 1  
Scale 1/8"=1'-0"



2 Proposed Basement  
Page 1  
Scale 1/8"=1'-0"

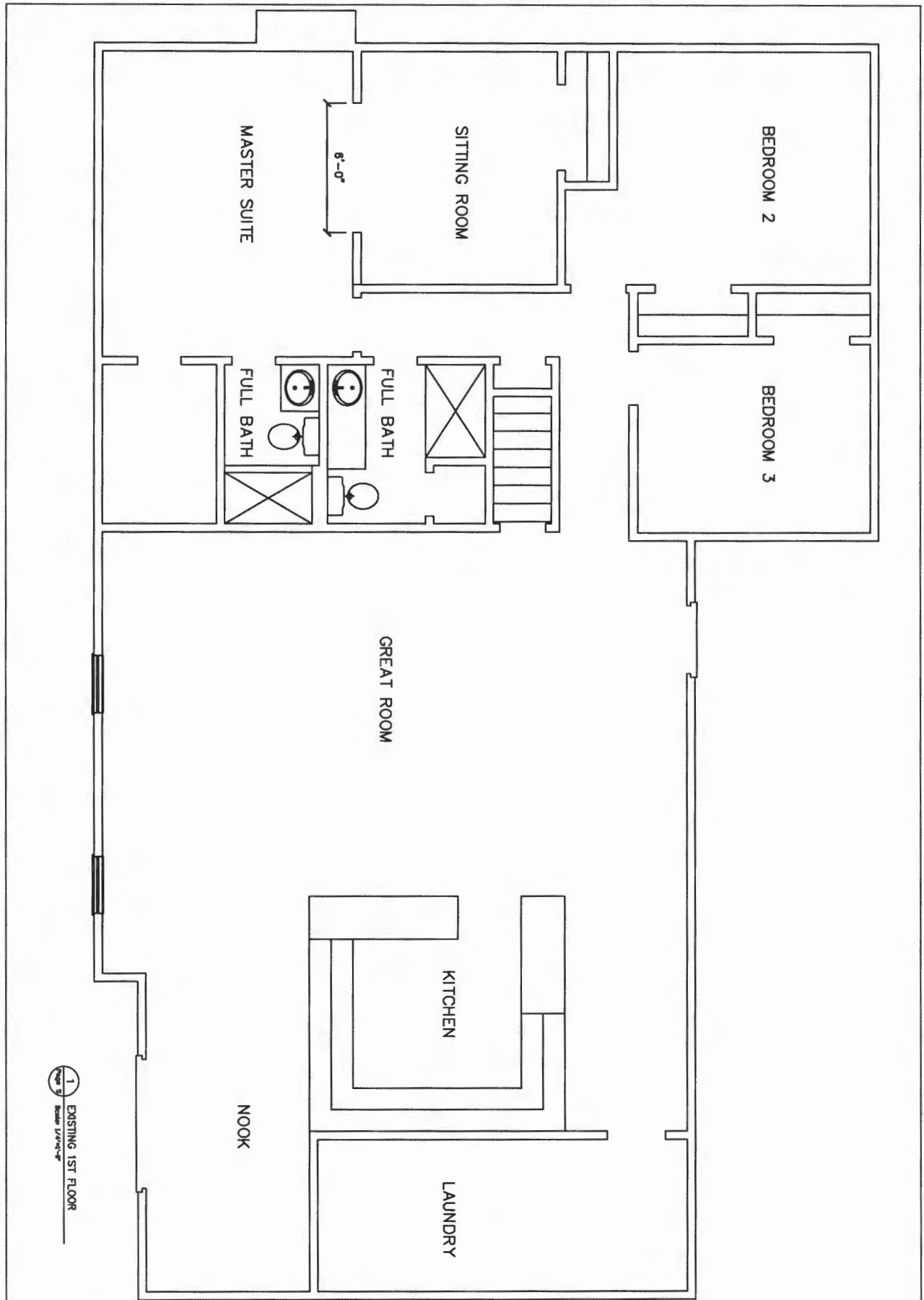


3 Proposed Basement Electrical Plan  
Page 1  
Scale 1/8"=1'-0"

FINAL ELECTRICAL LAYOUT TO BE VERIFIED BY ELECTRICAL SUBCONTRACTOR FOR CODE COMPLIANCE.

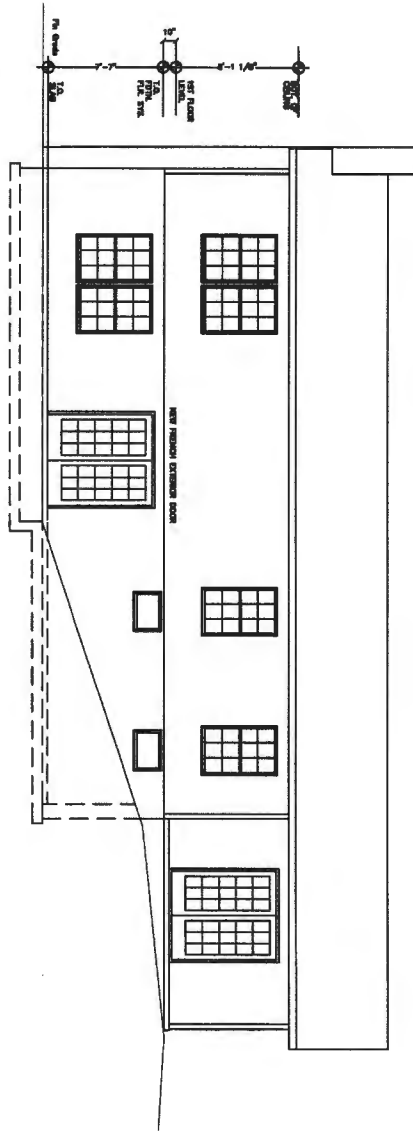
RUN (1) 200 AMP CIRCUIT SIDE TO FRONT OF HOUSE FOR FUTURE USE TO GARAGE FOR ELECTRIC CAR CHARGING.

DESIGNER: CHARLES WEST	DATE: 10/20/2019
P.O. BOX 60 GERARDSTOWN WV 25420	OFFICE: 304-229-2414
CELL: 301-938-0413	
<b>CWEST</b> DESIGNER	
SHEET NO. <b>Page 1</b> SCALE <b>1/8"=1'-0"</b> DRAWN BY <b>C WEST</b> DATE <b>10/20/2019</b>	

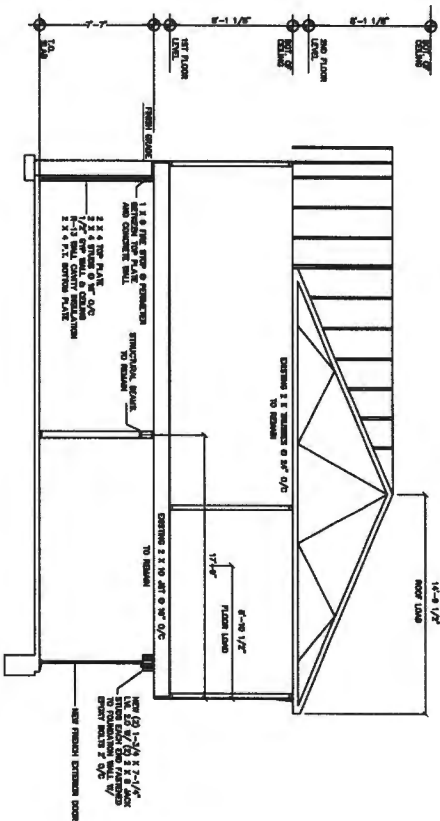


1  
EXISTING 1ST FLOOR  
Scale: 1/8" = 1'-0"

NAME:	ADDRESS:	LOT / BLOCK:	SECTION:	DESIGNER: CHARLES WEST PO BOX 80 GERRARDSTOWN WV 25420 Office: 304-229-2414 Cell: 301-938-0413	Takahashi Basement 12020 Hall Shop Road Clarksville Md
<b>CWEST</b> DESIGNER				SHEET NO. Page 1A SCALE 1/8" = 1'-0" DRAWN BY C. WEST DATE 08/24/2018	



1 Proposed Rear Elevation  
Scale: 1/8" = 1'-0"



2 Typical Wall Sections  
Scale: 1/8" = 1'-0"

NO.	1
DATE	10/20/2019
BY	C. WEST
CHECKED BY	
DATE	
SCALE	1/8" = 1'-0"
PROJECT	

NO.	1
DATE	10/20/2019
BY	C. WEST
CHECKED BY	
DATE	
SCALE	1/8" = 1'-0"
PROJECT	

**CWEST**  
DESIGNER

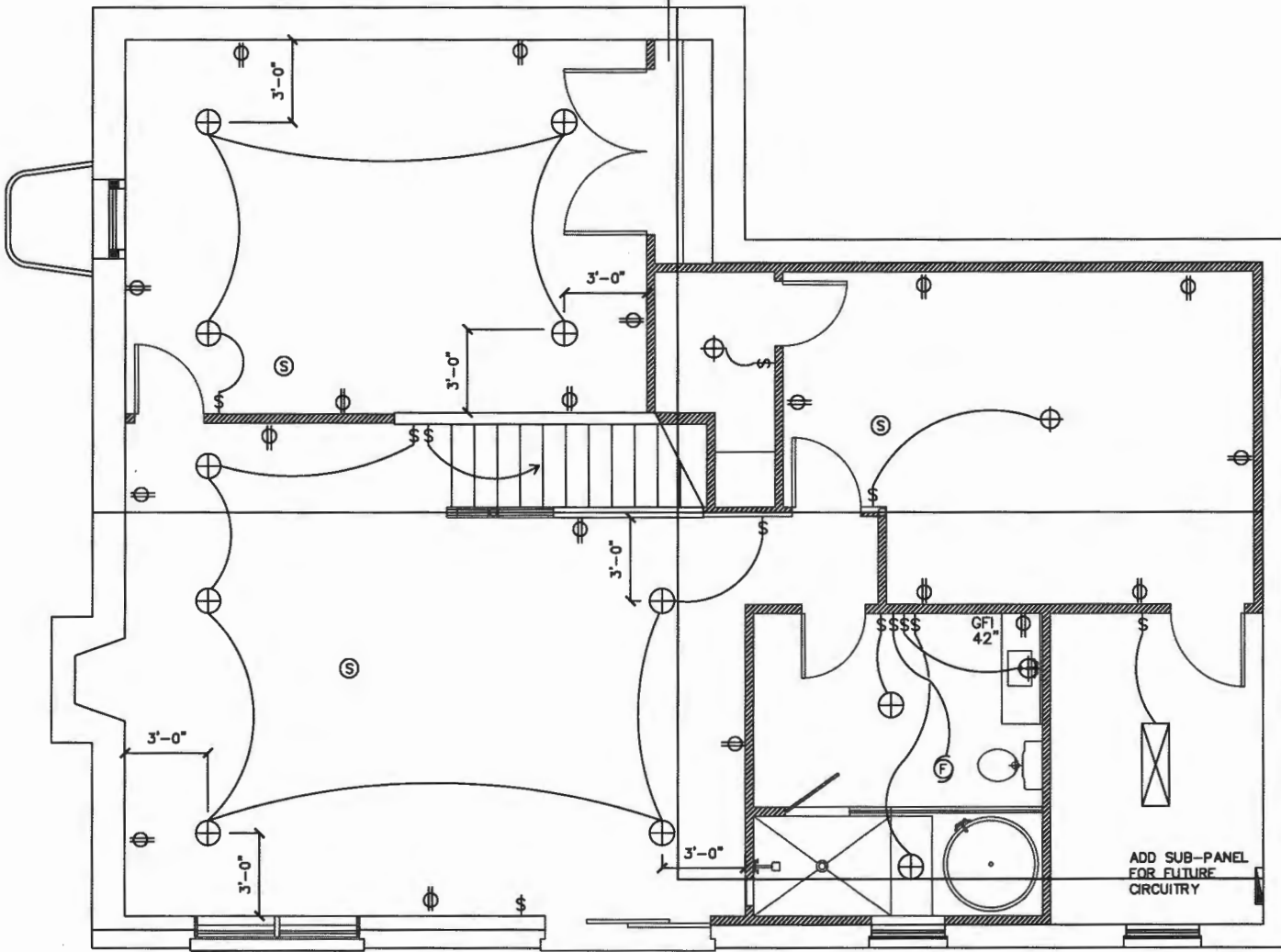
DESIGNER: CHARLES WEST  
PO BOX 80  
GERRARDSTOWN WV 25420  
Office: 304-228-2414  
Cell: 301-938-0413

Kazuo Takahashi  
120220 Hill Shop Road  
Fulton Md

NO.	1
DATE	10/20/2019
BY	C. WEST
CHECKED BY	
DATE	
SCALE	1/8" = 1'-0"
PROJECT	



RUN (1) 200 AMP CIRCUIT WIRE TO THIS LOCATION FOR FUTURE LINE TO GARAGE FOR ELECTRIC CAR CHARGING.



FINAL ELECTRICAL LAYOUT TO BE VERIFIED BY ELECTRICAL SUBCONTRACTOR FOR CODE COMPLIANCE.

RUN (1) 200 AMP CIRCUIT WIRE TO FRONT OF HOUSE FOR FUTURE LINE TO GARAGE FOR ELECTRIC CAR CHARGING.

ADD SUB-PANEL FOR FUTURE CIRCUITRY

1 Proposed Basement Electrical Plan  
Page 3 Scale: 1/4"=1'-0"

Tokichashi Basement  
12020 Hall Shop Road  
Clarksville Md

DESIGNER: CHARLES WEST  
PO BOX 80  
GERRARDSTOWN WV 25420  
Office: 304-229-2414  
Cell: 301-938-0413

**CWEST**  
DESIGNER

SHEET NO.  
Page 3  
SCALE  
1/4"=1'-0"  
DRAWN BY  
C WEST  
DATE  
08/24/2018

NAME:  
ADDRESS:  
CITY / STATE:  
ZIP:

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Wednesday, August 14, 2019 9:52 AM  
**To:** timescout1971@gmail.com  
**Cc:** Kazue Takahashi; 'surveysinc@verizon.net'  
**Subject:** FW: Kazue Property  
**Attachments:** CUserssurveDesktopKazue Rev Site Plan.pdf

Hi Chuck West:

Per our conversation this morning, this is the latest version from the engineer which shows the invert installed through the footing. You stated that you had conversation with the engineer about going beneath the footing. If we need to meet on this to resolve this, please let me know. I can reserve the conference room weekdays between 8 and 2.

Thanks,

Hank

---

**From:** Gregory Benefiel <surveysinc@verizon.net>  
**Sent:** Monday, August 12, 2019 1:08 PM  
**To:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Subject:** Re: Kazue Property

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello Hank,

I just returned from a 2 week vacation and trying to catch up. The plan you received was incorrect. Attached is the plan you should have received. I have revised the profile and elevations as so. There is wiggle room between the basement elevation and proposed invert at the house line. 1.9 feet. On a 12" footer, we would be skimming the top, based in the sewer from the house (out) and Invert in to the Septic Tank at 2 %. You could raise the sewer to 2.1% and would clear the footer. This would be fine. Your thoughts.

Thanks

Greg Benefiel  
Surrey's Inc.  
301-776-0561

-----Original Message-----

**From:** Oswald, Hank <hoswald@howardcountymd.gov>  
**To:** Gregory Benefiel <surveysinc@verizon.net>  
**Sent:** Mon, Aug 12, 2019 9:17 am  
**Subject:** RE: Kazue Property

Hi Greg:

At a quick glance, you show the elevation of the footer at 480.80 and the invert line elevation below the footer at 481.70.

Hank

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Wednesday, August 14, 2019 9:52 AM  
**To:** timescout1971@gmail.com  
**Cc:** Kazue Takahashi; 'surveysinc@verizon.net'  
**Subject:** FW: Kazue Property  
**Attachments:** CUserssurveDesktopKazue Rev Site Plan.pdf

Hi Chuck West:

Per our conversation this morning, this is the latest version from the engineer which shows the invert installed through the footing. You stated that you had conversation with the engineer about going beneath the footing. If we need to meet on this to resolve this, please let me know. I can reserve the conference room weekdays between 8 and 2.

Thanks,

Hank

---

**From:** Gregory Benefiel <surveysinc@verizon.net>  
**Sent:** Monday, August 12, 2019 1:08 PM  
**To:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Subject:** Re: Kazue Property

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Hello Hank,

I just returned from a 2 week vacation and trying to catch up. The plan you received was incorrect. Attached is the plan you should have received. I have revised the profile and elevations as so. There is wiggle room between the basement elevation and proposed invert at the house line. 1.9 feet. On a 12" footer, we would be skimming the top, based in the sewer from the house (out) and Invert in to the Septic Tank at 2 %. You could raise the sewer to 2.1% and would clear the footer. This would be fine. Your thoughts.

Thanks

Greg Benefiel  
Survey's Inc.  
301-776-0561

-----Original Message-----

**From:** Oswald, Hank <hoswald@howardcountymd.gov>  
**To:** Gregory Benefiel <surveysinc@verizon.net>  
**Sent:** Mon, Aug 12, 2019 9:17 am  
**Subject:** RE: Kazue Property

Hi Greg:

At a quick glance, you show the elevation of the footer at 480.80 and the invert line elevation below the footer at 481.70.

Hank

---

**From:** Gregory Benefiel <[surveysinc@verizon.net](mailto:surveysinc@verizon.net)>  
**Sent:** Thursday, August 08, 2019 3:51 PM  
**To:** Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)>  
**Subject:** Kazue Property

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

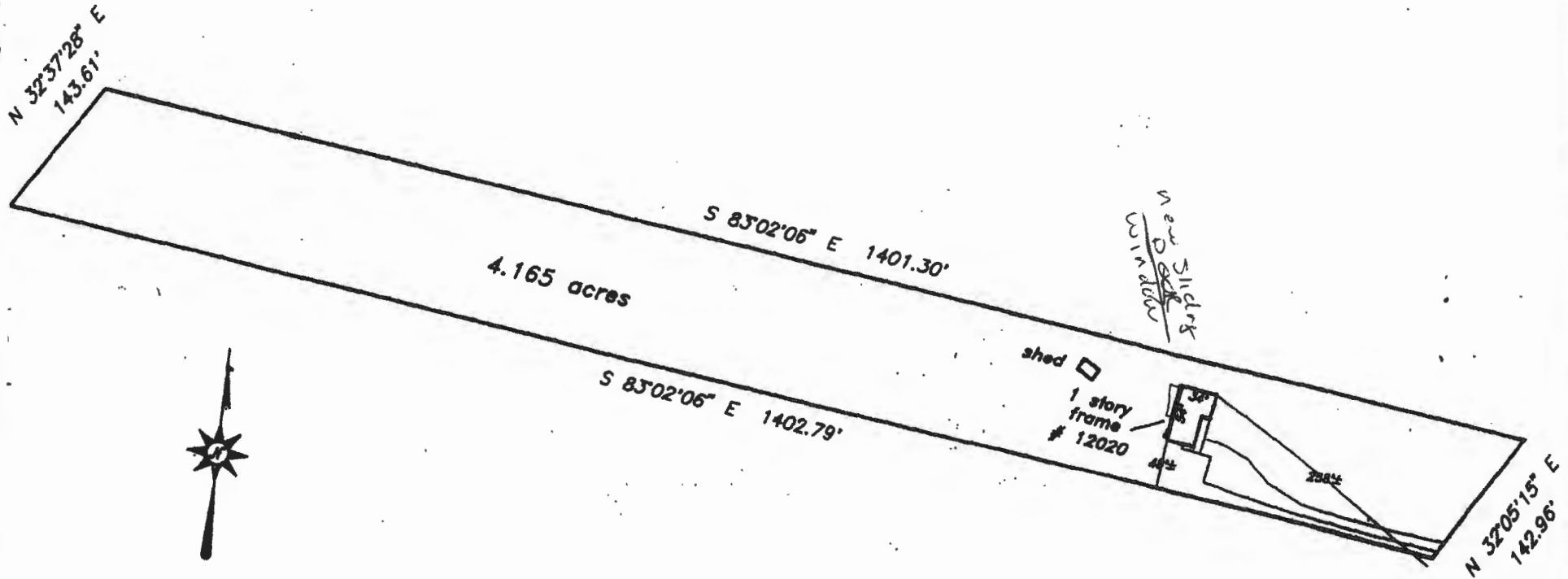
Good afternoon Hank,

Attached is a revision of the plans after the contractor dug out around footers. Tom & Field Crew measured and hopefully my calculations and revisions are OK. If they are, we will make new copies and get them up to you. Thank you.

Brad Kirkley  
Surveys, Inc.

**NOTES:**

- 1) B.R.L. information, if shown, was obtained from existing record plat or local agencies and is not guaranteed by NTT, Inc.
- 2) Building line and/or Flood Zone information is subject to the interpretation of the originator.
- 3) NTT, Inc. does not certify to unknown or unrecorded encroachments or overlaps.
- 4) Property markers not found, or guaranteed by this location.
- 5) Setback distance accuracy: 1".



Hall Shop Road

Subject property is shown in Zone C on the National Flood Insurance Program Flood Insurance Rate Map of Howard County, Maryland, Panel # 33 of 45 Community Panel # 240044-0033 B Effective date: December 4, 1986

This is to certify that I have surveyed the property shown hereon, being known as

**12020 Hall Shop Road**

recorded in the Land Records of Howard County, Maryland in Plat Bk. Liber 1261 Folio 663 for the purpose of locating the improvements thereon.



J. Co. Judgins  
Property Line Surveyor #86

**LOCATION DRAWING  
12020 Hall Shop Road**

**5th election district  
HOWARD COUNTY, MARYLAND**

**NTT Associates, Inc.**

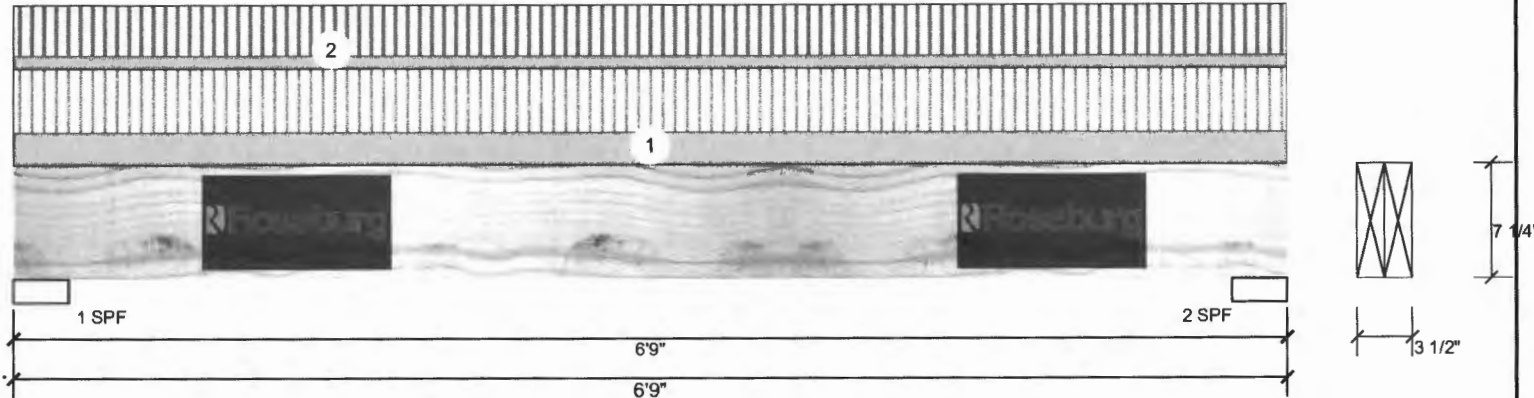
• 16205 Old Frederick Road  
Mt. Airy, Maryland 21771  
Ph. (410)442-2031  
Fax No. (410)442-1315

Scale:	1" = 150'
Date:	September 2, 1999
Field by:	JLM
Drawn by:	
Drawing #	295JEC

- This plat is of benefit to the consumer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing, or refinancing purposes.
- This plat is not to be relied upon for the establishment of location of fences, garages, buildings, or other existing or future structures.
- This plat does not provide for the accurate identification of property boundary, but such identification may not be required for the transfer of title or for securing financing or refinancing.

**B1 2.0E Rigidlam LVL 1.750" X 7.250" 2-Ply - PASSED**

Level: Level



**Member Information**

Type:	Girder	Application:	Floor
Piles:	2	Design Method:	ASD
Moisture Condition:	Dry	Building Code:	IBC/IRC 2015
Deflection LL:	480	Load Sharing:	No
Deflection TL:	240	Deck:	Not Checked
Importance:	Normal		
Temperature:	Temp <= 100°F		

**Reactions UNPATTERNED lb (Uplift)**

Brg	Live	Dead	Snow	Wind	Const
1	2734	1086	0	0	0
2	2734	1086	0	0	0

**Bearings**

Bearing	Length	Cap. React	D/L lb	Total Ld.	Case	Ld. Comb.
1 - SPF	3.500"	73%	1086 / 2734	3819	L	D+L
2 - SPF	3.500"	73%	1086 / 2734	3819	L	D+L

**Analysis Results**

Analysis	Actual	Location	Allowed	Capacity	Comb.	Case
Moment	5600 ft-lb	3'4 1/2"	8436 ft-lb	0.664 (66%)	D+L	L
Unbraced	5600 ft-lb	3'4 1/2"	7246 ft-lb	0.773 (77%)	D+L	L
Shear	2876 lb	10"	4906 lb	0.586 (59%)	D+L	L
LL Defl inch	0.128 (L/588)	3'4 1/2"	0.157 (L/480)	0.820 (82%)	L	L
TL Defl inch	0.179 (L/421)	3'4 1/2"	0.315 (L/240)	0.570 (57%)	D+L	L

**Design Notes**

- Girders are designed to be supported on the bottom edge only.
- Multiple plies must be fastened together as per manufacturer's details.
- Top loads must be supported equally by all plies.
- Top braced at bearings.
- Bottom braced at bearings.
- Lateral slenderness ratio based on single ply width.

ID	Load Type	Location	Trib Width	Side	Dead 0.9	Live 1	Snow 1.15	Wind 1.6	Const. 1.25	Comments
1	Uniform		1-0-0	Top	225 PSF	450 PSF	0 PSF	0 PSF	0 PSF	
2	Uniform			Top	90 PLF	360 PLF	0 PLF	0 PLF	0 PLF	
	Self Weight				7 PLF					

**Notes**  
 Calculated Structured Designs is responsible only of the structural adequacy of this component based on the design criteria and loadings shown. It is the responsibility of the customer and/or the contractor to ensure the component suitability of the intended application, and to verify the dimensions and loads.

**Lumber**  
 1. Dry service conditions, unless noted otherwise.  
 2. LVL not to be treated with fire retardant or corrosive chemicals

**Handing & Installation**

- LVL beams must not be cut or drilled.
- Refer to manufacturer's product information regarding installation requirements, multi-ply fastening details, beam strength values, and code approvals.
- Damaged Beams must not be used.
- Design assumes top edge is laterally restrained.
- Provide lateral support at bearing points to avoid lateral displacement and rotation.

6. For flat roofs provide proper drainage to prevent ponding

**Manufacturer Info**  
 Roseburg Forest Products  
 4500 Riddle By-pass Rd  
 Riddle, OR 97469  
 (541) 784-4005  
 www.roseburg.com  
 APA: PR-L289, PR-L270, ICC-ES:  
 ESR-1210





# Building Permit Application

Howard County Maryland  
Department of Inspections, Licenses and Permits  
3430 Court House Drive  
Permits: 410-313-2455  
www.howardcountymd.gov

Date Received: 9-10-15

Permit No.: B15003701

Building Address: 12020 Hall Shop Road  
 City: Clarksville State: MD Zip Code: \_\_\_\_\_  
 Suite/Apt. #: \_\_\_\_\_ SDP/WP/BA #: \_\_\_\_\_  
 Census Tract: \_\_\_\_\_ Subdivision: \_\_\_\_\_  
 Section: \_\_\_\_\_ Area: \_\_\_\_\_ Lot: \_\_\_\_\_  
 Tax Map: \_\_\_\_\_ Parcel: \_\_\_\_\_ Grid: \_\_\_\_\_  
 Zoning: \_\_\_\_\_ Map Coordinates: \_\_\_\_\_ Lot Size: \_\_\_\_\_

Existing Use: \_\_\_\_\_  
 Proposed Use: Detached Garage  
 Estimated Construction Cost: \$ 30,000.00  
 Description of Work: 3000 Detached  
24'x36' 1 story

Occupant or Tenant: \_\_\_\_\_  
 Was tenant space previously occupied?  Yes  No  
 Contact Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Commercial Building Characteristics	Residential Building Characteristics
Height: <u>11'</u>	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse
No. of stories: <u>1</u>	Depth Width
Gross area, sq. ft./floor: <u>864</u>	1 <sup>st</sup> floor: <u>864</u>
Area of construction (sq. ft.):	2 <sup>nd</sup> floor: _____
Use group:	Basement:
<b>Construction type:</b>	<input type="checkbox"/> Finished Basement
<input checked="" type="checkbox"/> Reinforced Concrete	<input type="checkbox"/> Unfinished Basement
<input type="checkbox"/> Structural Steel	<input type="checkbox"/> Crawl Space
<input type="checkbox"/> Masonry	<input type="checkbox"/> Slab on Grade
<input checked="" type="checkbox"/> Wood Frame	No. of Bedrooms:
<input type="checkbox"/> State Certified Modular	<b>Multi-family Dwelling</b>
	No. of efficiency units:
	No. of 1 BR units:
	No. of 2 BR units:
	No. of 3 BR units:
	Other Structure:
	Dimensions:
<input checked="" type="checkbox"/> Roadside Tree Project/Permit	Footings:
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular
	<input type="checkbox"/> Manufactured Home

Property Owner's Name: Kazuo Hiroko Takahashi  
 Address: 12020 Hall Shop Road  
 City: Clarksville State: MD Zip Code: \_\_\_\_\_  
 Phone: 410-852-7154 Fax: \_\_\_\_\_  
 Email: Kazuo.Takahashi@verizon.net

Applicant's Name & Mailing Address, (if other than stated herein)  
 Applicant's Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Contractor Company: Modern Home Design  
 Contact Person: Leah Ellinger  
 Address: 10500 Pine Hill Road  
 City: Lanham State: MD Zip Code: 20723  
 License No.: 45987  
 Phone: 301-410-5858 Fax: \_\_\_\_\_  
 Email: modernhomedesign@verizon.net

Engineer/Architect Company: \_\_\_\_\_  
 Responsible Design Prof.: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Email: \_\_\_\_\_

Utilities
<b>Water Supply</b>
<input type="checkbox"/> Public
<input checked="" type="checkbox"/> Private
<b>Sewage Disposal</b>
<input type="checkbox"/> Public
<input checked="" type="checkbox"/> Private
Electric: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Gas: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Heating System</b>
<input type="checkbox"/> Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/> Other: <u>N/A</u>
<b>Sprinkler System:</b>
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Grading Permit Number: _____
Building Shell Permit Number: _____

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 Signature: [Signature]  
 Email Address: modernhomedesign@verizon.net  
 Title/Company: \_\_\_\_\_

Print Name: Leah M Ellinger  
 Date: 9/10/15

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY  
 \*\*PLEASE WRITE NEATLY & LEGIBLY\*\*  
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>9/10/15</u>	<u>[Signature]</u>

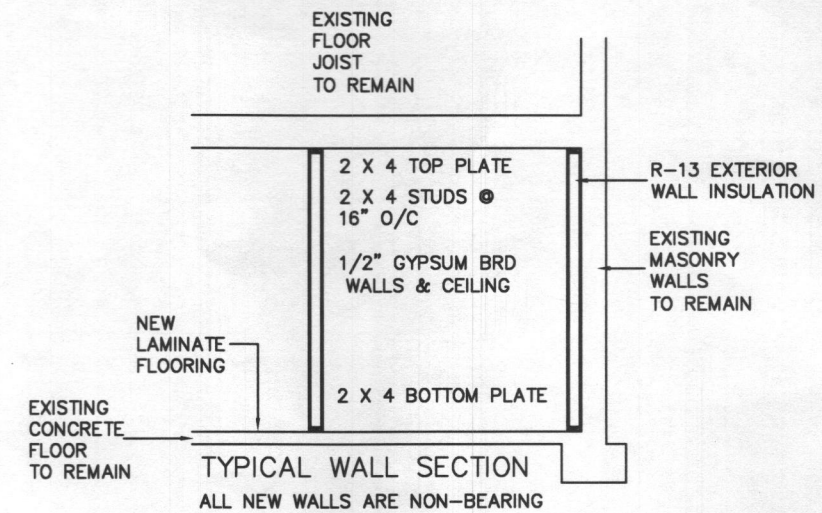
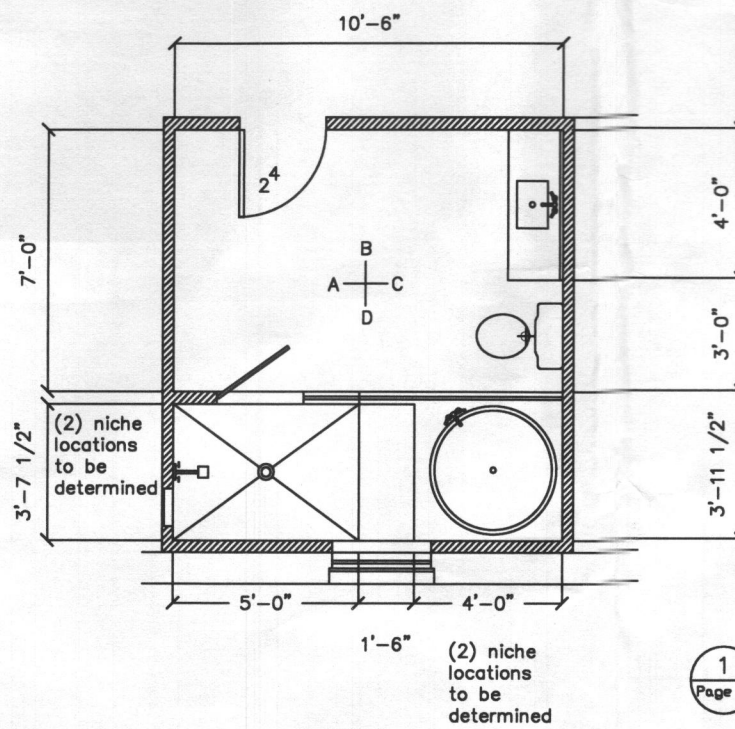
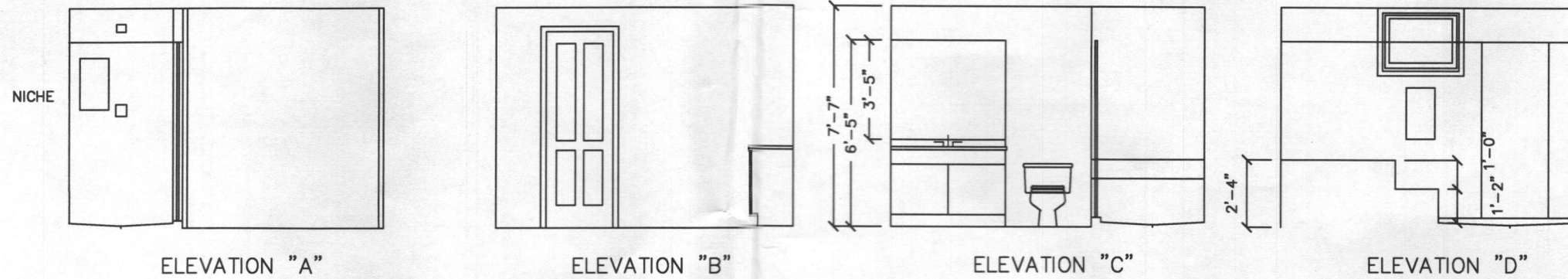
Is Sediment Control approval required for issuance?  Yes  No  
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION

Front: \_\_\_\_\_  
 Rear: \_\_\_\_\_  
 Side: \_\_\_\_\_  
 Side St.: \_\_\_\_\_  
 All minimum setbacks met?  Yes  No  
 Is Entrance Permit Required?  Yes  No  
 Historic District?  Yes  No  
 Lot Coverage for New Town Zone: \_\_\_\_\_  
 SDP/Red-line approval date: \_\_\_\_\_

Filing Fee	\$ <u>25.00</u>
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$
Check	# <u>3384</u>





REV. NO.	DATE	COMMENTS

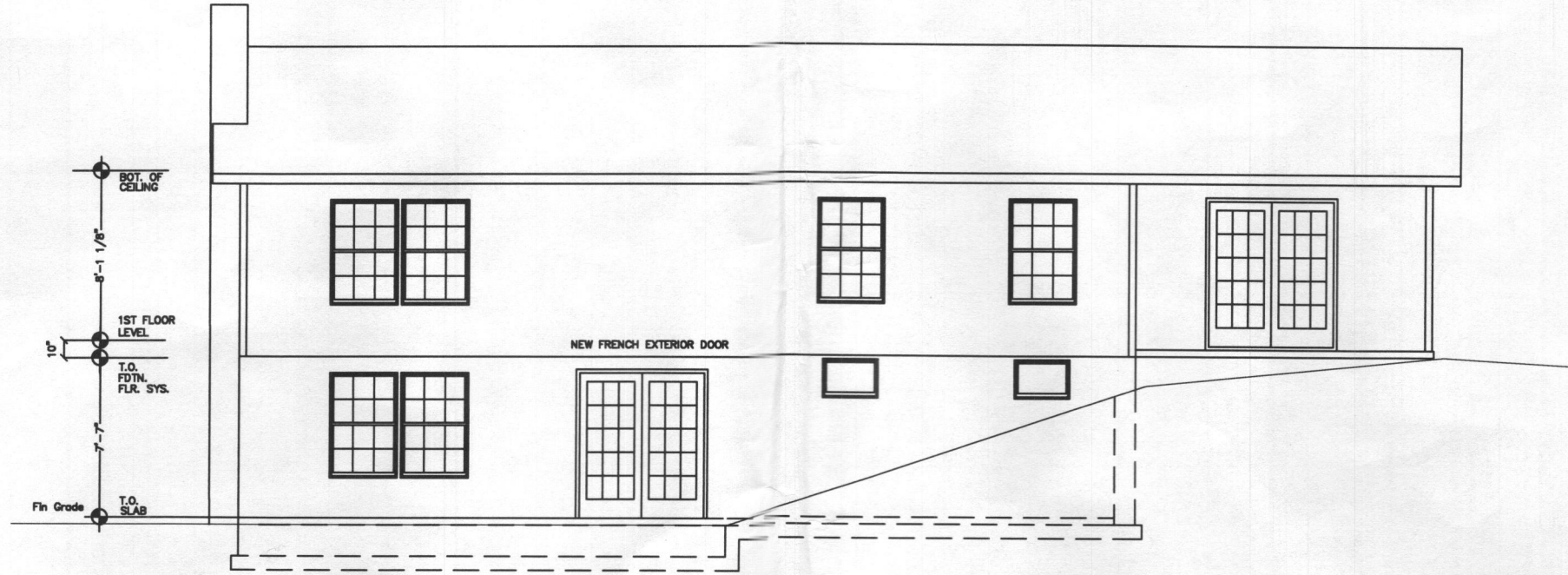
Kazuo Takahashi  
120220 Hall Shop Road  
Fulton Md

DESIGNER: CHARLES WEST  
PO BOX 80  
GERRARDSTOWN WV 25420  
Office: 304-229-2414  
Cell: 301-938-0413

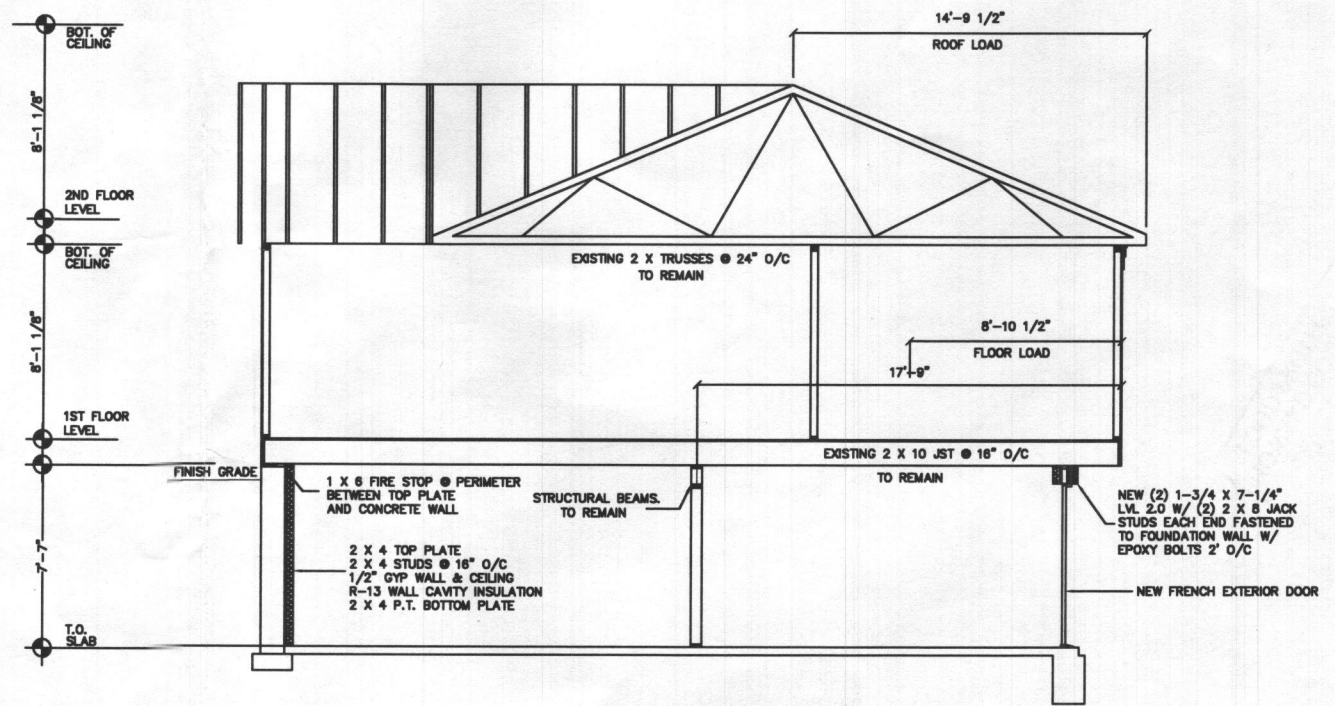
**CWEST**  
DESIGNER

SHEET NO.  
Page 2  
SCALE  
1/8"=1'-0"  
DRAWN BY  
C WEST  
DATE  
10/20/2019

NAME  
ADDRESS  
LOT / BLOCK  
SECTION



1 Proposed Rear Elevation  
Page 3 Scale: 1/8"=1'-0"



2 Typical Wall Sections  
Page 2 Scale: 1/8"=1'-0"

REV. NO.	DATE	COMMENTS
DESIGNER:	CHARLES WEST	
PO BOX	80	
GERRARDSTOWN	WV 25420	
Office:	304-229-2414	
Cell:	301-938-0413	
NAME:		
ADDRESS:		
LOT / BLOCK:		
SECTION:		

Kazuo Takahashi  
120220 Hall Shop Road  
Fulton Md

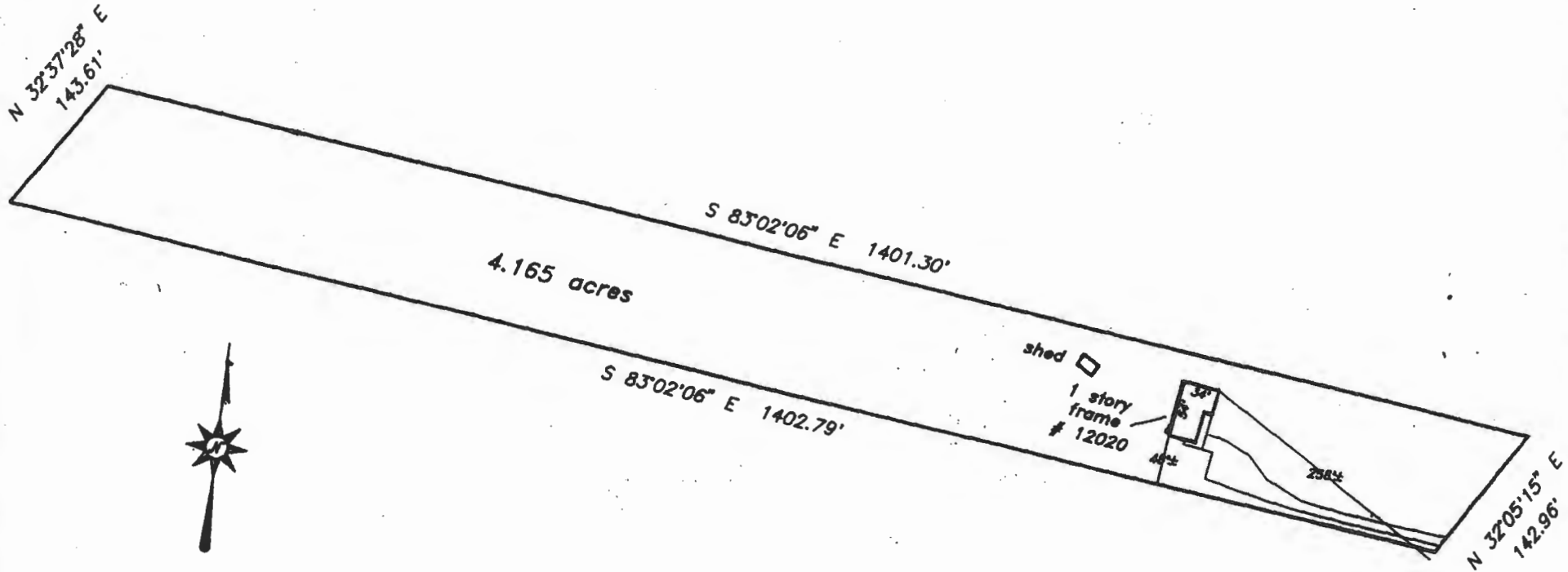
DESIGNER: CHARLES WEST  
PO BOX 80  
GERRARDSTOWN WV 25420  
Office: 304-229-2414  
Cell: 301-938-0413

**CWEST**  
DESIGNER

SHEET NO.  
Page 3  
SCALE  
1/8"=1'-0"  
DRAWN BY  
C. WEST  
DATE  
10/20/2019

**NOTES:**

- 1) B.R.L. information, if shown, was obtained from existing record plat or local agencies and is not guaranteed by NTT, Inc.
- 2) Building line and/or Flood Zone information is subject to the interpretation of the originator.
- 3) NTT, Inc. does not certify to unshown or unrecorded encroachments or overlaps.
- 4) Property markers not found, or guaranteed by this location.
- 5) Setback distance accuracy: 1".



Hall Shop Road

Subject property is shown in Zone C on the National Flood Insurance Program Flood Insurance Rate Map of Howard County, Maryland. Panel # 33 of 45 Community Panel # 240044-0033 B Effective date: December 4, 1986

This is to certify that I have surveyed the property shown hereon, being known as  
**12020 Hall Shop Road**  
 recorded in the Land Records of Howard County, Maryland in Plat Bk. Liber 1261 Folio 663 for the purpose of locating the improvements thereon.



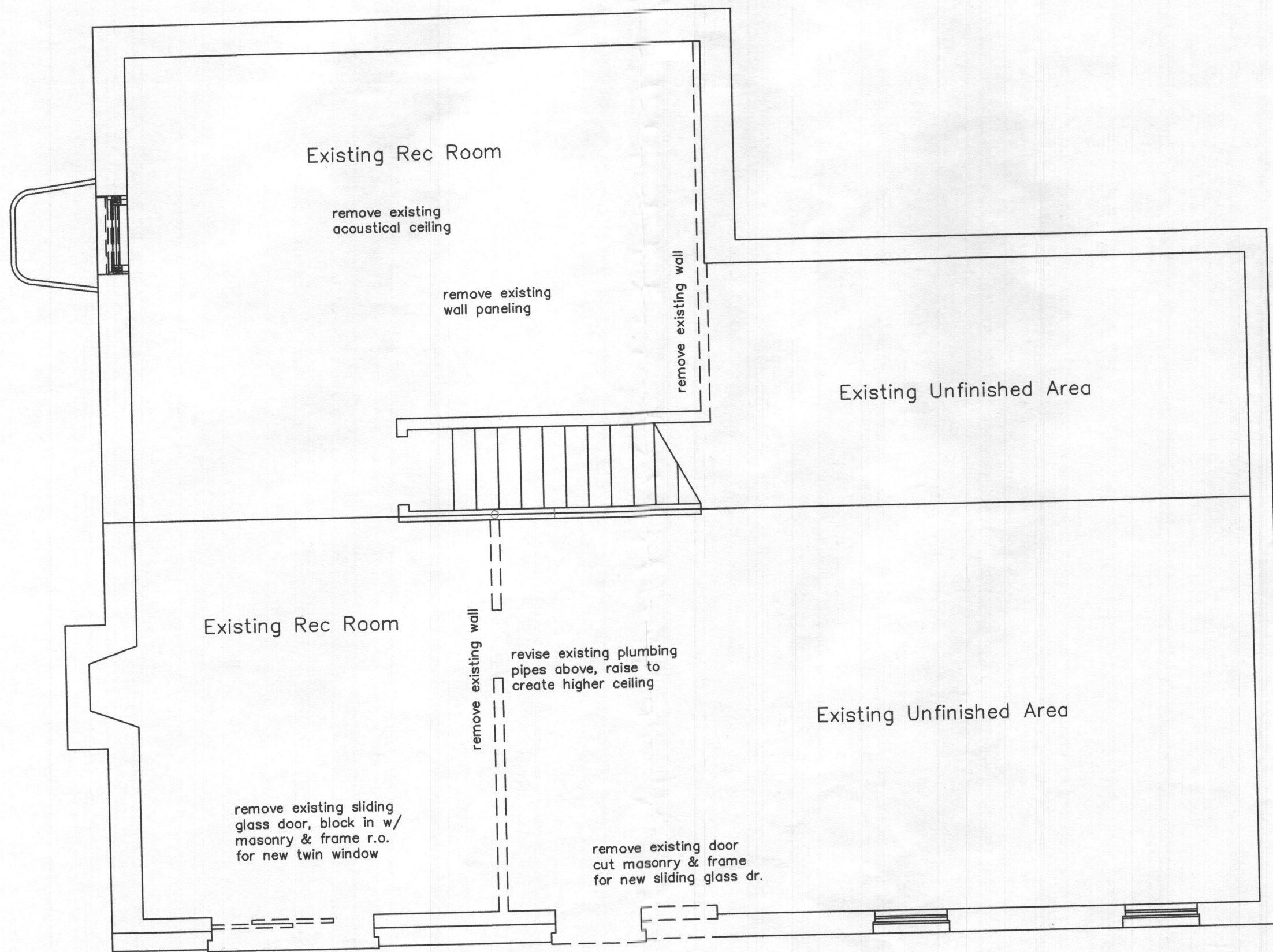
**LOCATION DRAWING**  
**12020 Hall Shop Road**

**5th election district**  
**HOWARD COUNTY, MARYLAND**

**NTT Associates, Inc.**  
 16205 Old Frederick Road  
 Mt. Airy, Maryland 21771  
 Ph. (410)442-2031  
 Fax No. (410)442-1315

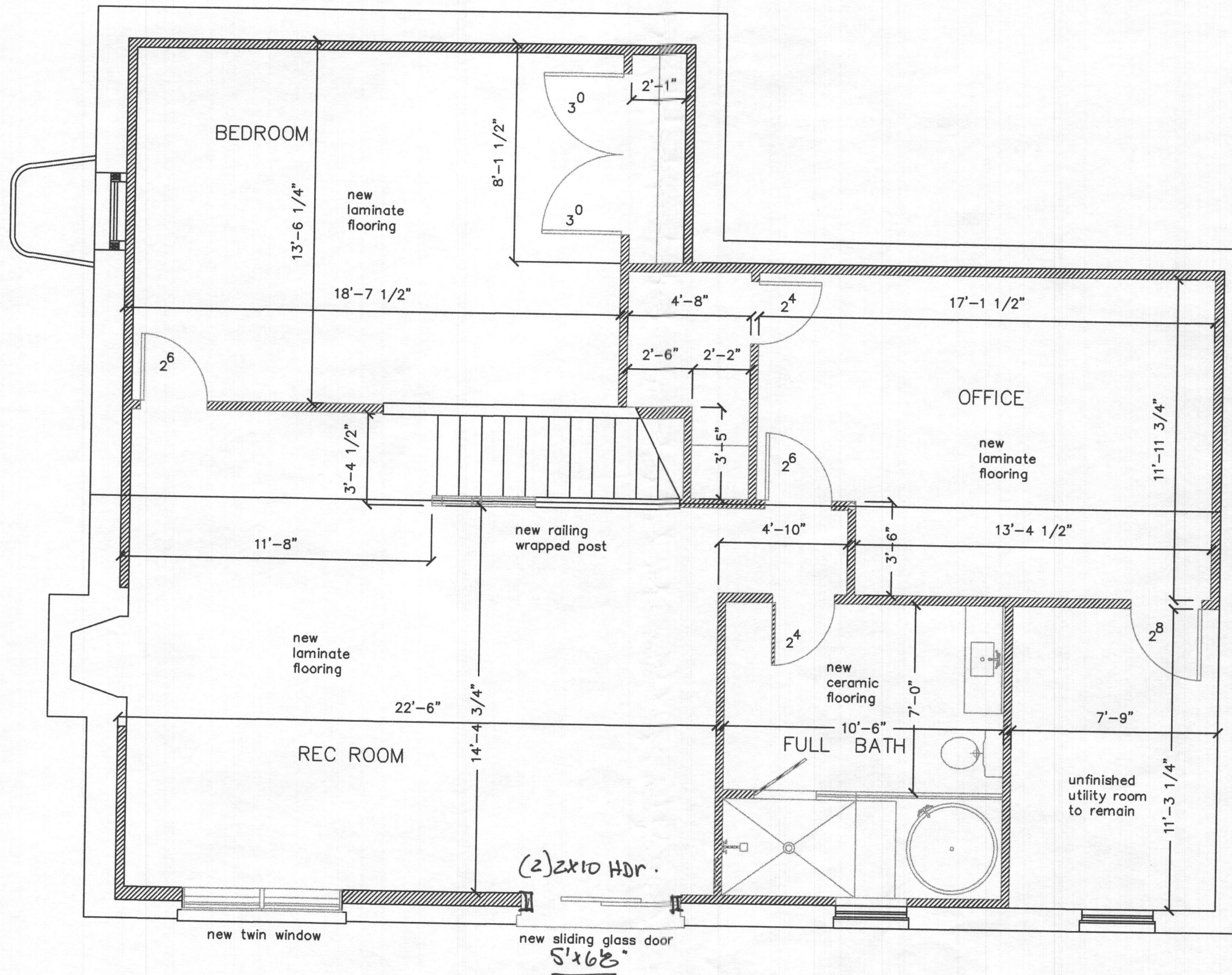
Scale:	1" = 150'
Date:	September 2, 1999
Field by:	JLM
Drawn by:	
Drawing #	299-JEC

- \* This plat is of benefit to the consumer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing, or refinancing purposes.
- \* This plat is not to be relied upon for the establishment of location of fences, garages, buildings, or other existing or future structures.
- \* This plat does not provide for the accurate identification of property boundaries, but such identification may not be required for the transfer of title or for securing financing or refinancing.



1 Existing Basement / Demolition  
 Page 1 Scale: 1/4"=1'-0"

Takahashi Basement 12020 Hall Shop Road Clarksville Md	
DESIGNER: CHARLES WEST	PO BOX 80
GERRARDSTOWN WV 25420	Office: 304-229-2414
Cell: 301-938-0413	
<b>CWEST</b> DESIGNER	
SHEET NO. Page 1	
SCALE 1/4"=1'-0"	
DRAWN BY C WEST	
DATE 08/24/2018	
NAME:	LOT / BLOCK:
ADDRESS:	SECTION:



1 Proposed Basement  
 Page 2 Scale: 1/4"=1'-0"

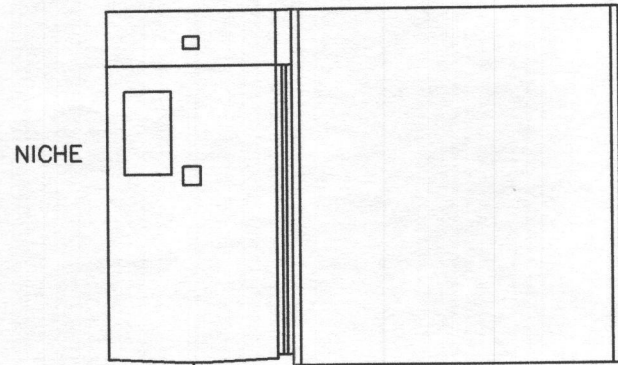
Takahashi Basement  
 12020 Hall Shop Road  
 Clarksville Md

DESIGNER: CHARLES WEST  
 PO BOX 80  
 GERRARDSTOWN WV 25420  
 Office: 304-229-2414  
 Cell: 301-938-0413

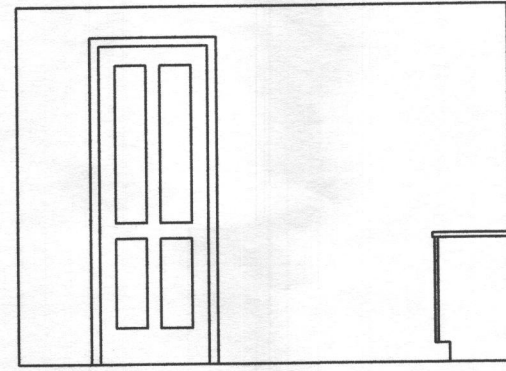
**CWEST**  
 DESIGNER

SHEET NO.  
 Page 2  
 SCALE  
 1/4"=1'-0"  
 DRAWN BY  
 C. WEST  
 DATE  
 08/24/2018

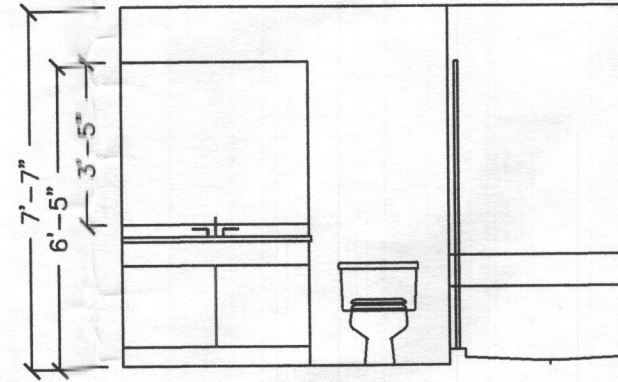
NAME:  
 ADDRESS:  
 LOT / BLOCK:  
 SECTION:



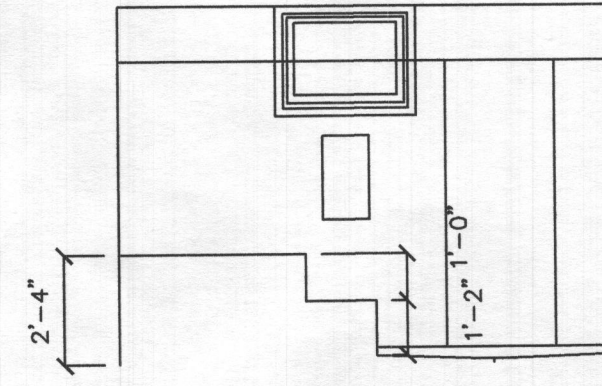
ELEVATION "A"



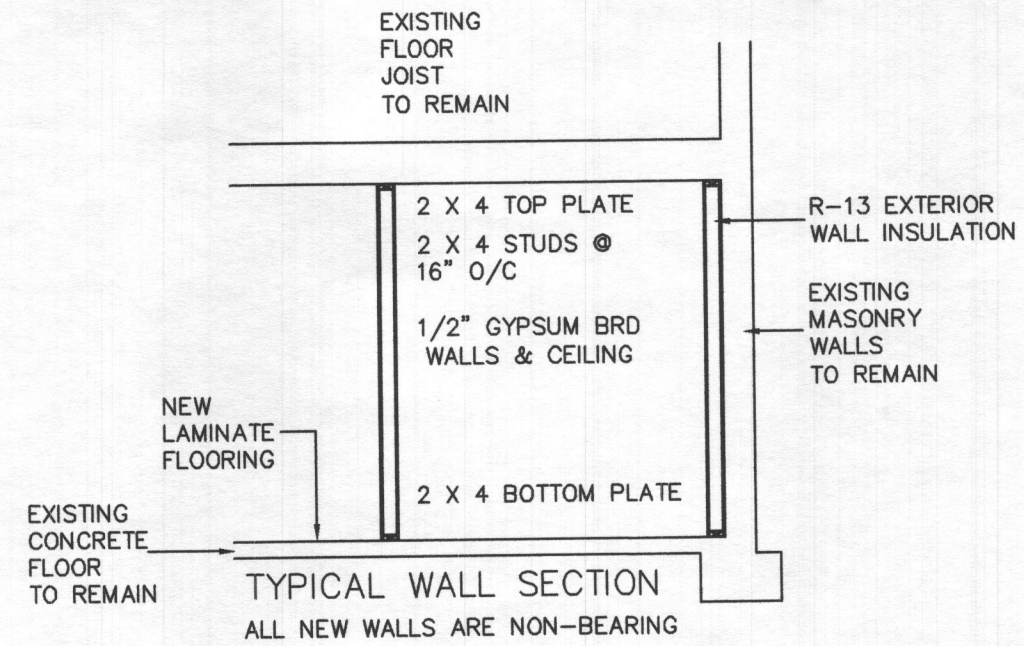
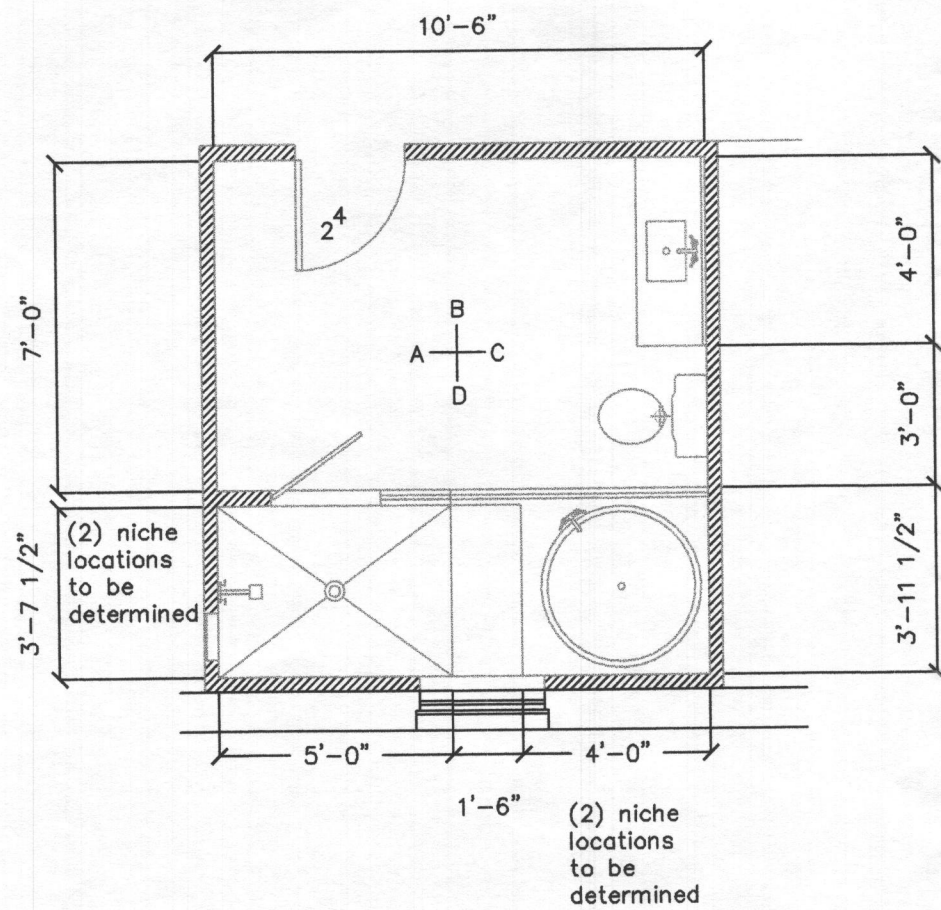
ELEVATION "B"



ELEVATION "C"



ELEVATION "D"



1 Section Detail - Tile Layout  
Page 4  
Scale: 1/4"=1'-0"

Takahashi Basement  
12020 Halli Shop Road  
Clarksville Md

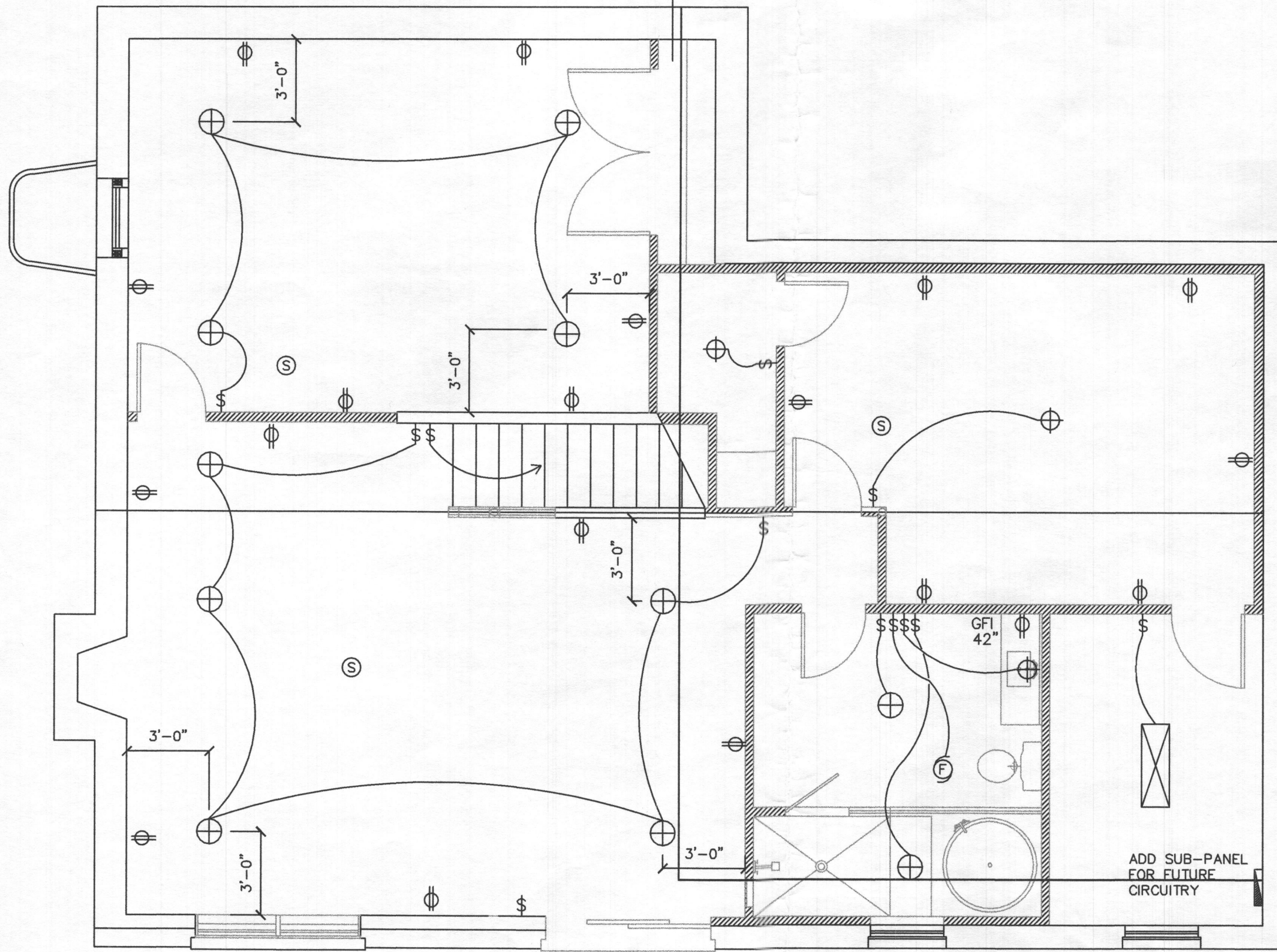
DESIGNER: CHARLES WEST  
PO BOX 80  
GERRARDSTOWN WV 25420  
Office: 304-229-2414  
Cell: 301-938-0413

**CWEST**  
DESIGNER

SHEET NO.  
Page 4  
SCALE  
1/4"=1'-0"  
DRAWN BY  
C WEST  
DATE  
08/24/2018

NAME:  
ADDRESS:  
LOT / BLOCK:  
SECTION:

RUN (1) 200 AMP CIRCUIT WIRE TO THIS LOCATION FOR FUTURE LINE TO GARAGE FOR ELECTRIC CAR CHARGING.



FINAL ELECTRICAL LAYOUT TO BE VERIFIED BY ELECTRICAL SUBCONTRACTOR FOR CODE COMPLIANCE.

RUN (1) 200 AMP CIRCUIT WIRE TO FRONT OF HOUSE FOR FUTURE LINE TO GARAGE FOR ELECTRIC CAR CHARGING.

ADD SUB-PANEL FOR FUTURE CIRCUITRY

1 Proposed Basement Electrical Plan  
Page 3 Scale: 1/4"=1'-0"

Takahashi Basement  
12020 Hall Shop Road  
Clarksville Md

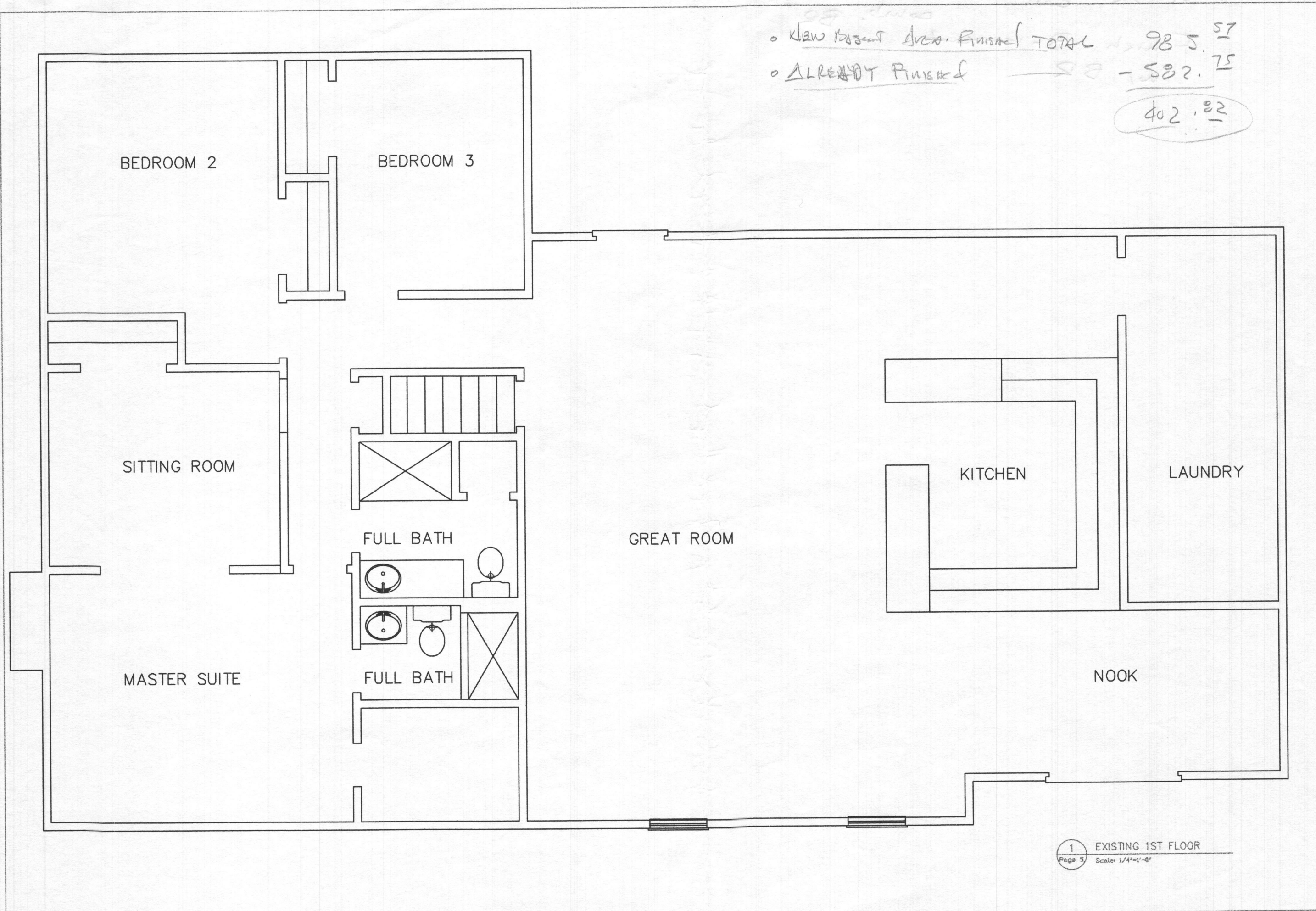
DESIGNER: CHARLES WEST  
PO BOX 80  
GERRARDSTOWN WV 25420  
Office: 304-229-2414  
Cell: 301-938-0413

**CWEST**  
DESIGNER

SHEET NO.  
Page 3  
SCALE  
1/4"=1'-0"  
DRAWN BY  
C WEST  
DATE  
08/24/2018

NAME  
ADDRESS  
LOT / BLOCK  
SECTION

o KLEW Basement Area. Finished TOTAL 985.57  
 o ALREADY FINISHED 582.75  
402.82



Takahashi Basement 12020 Hall Shop Road Clarksville Md	
DESIGNER: CHARLES WEST	PO BOX 80
GERRARDSTOWN WV 25420	Office: 304-229-2414
Cell: 301-938-0413	
<b>CWEST</b> DESIGNER	
SHEET NO. Page 5	
SCALE 1/4" = 1'-0"	
DRAWN BY C WEST	
DATE 08/24/2018	
NAME:	ADDRESS:
LOT / BLOCK:	SECTOR:

1 EXISTING 1ST FLOOR  
 Page 5 Scale: 1/4"=1'-0"

- 4 BR Exist  $\rightarrow$  Maintain by comb. BR
- Finish Basement w/ BR

CME21  
 301-878-0012  
 301-878-0013  
 301-878-0014  
 301-878-0015  
 301-878-0016  
 301-878-0017  
 301-878-0018  
 301-878-0019  
 301-878-0020  
 301-878-0021  
 301-878-0022  
 301-878-0023  
 301-878-0024  
 301-878-0025  
 301-878-0026  
 301-878-0027  
 301-878-0028  
 301-878-0029  
 301-878-0030

