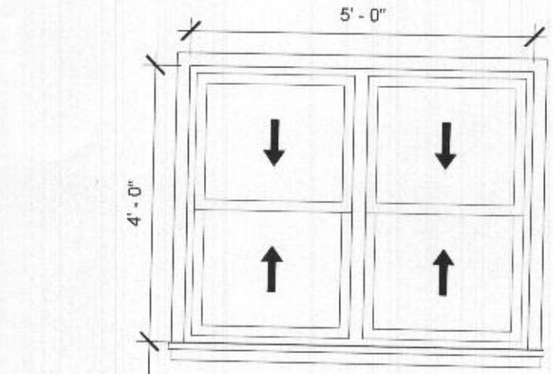
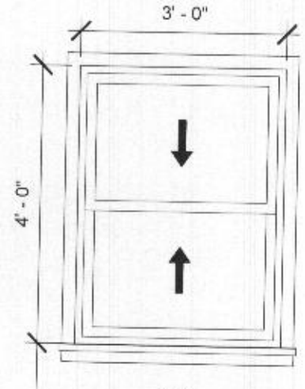
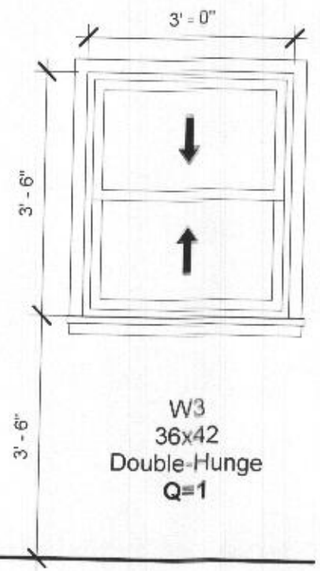


W1
60x48
Double-Hunge-Double
Q=10

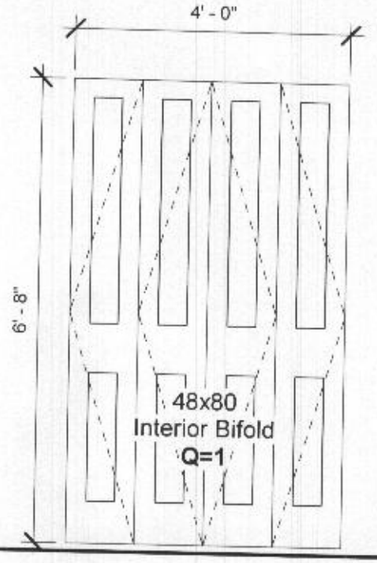


W2
36x48
Double-Hunge
Q=5

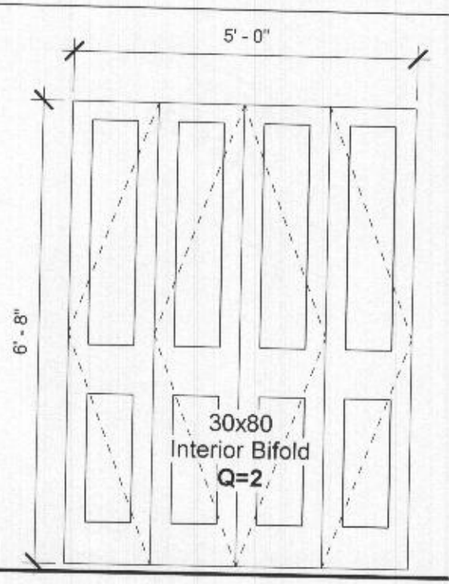


W3
36x42
Double-Hunge
Q=1

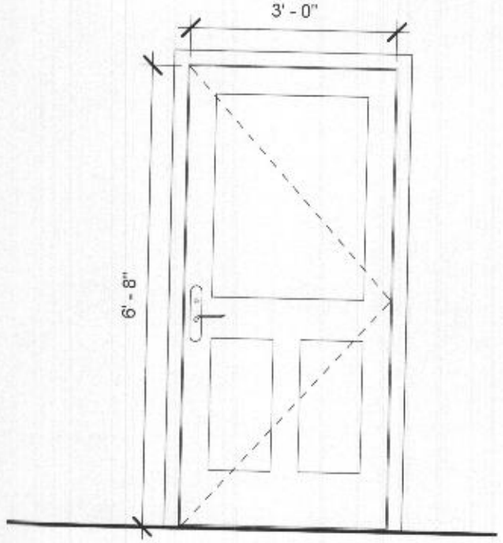
Floor Level



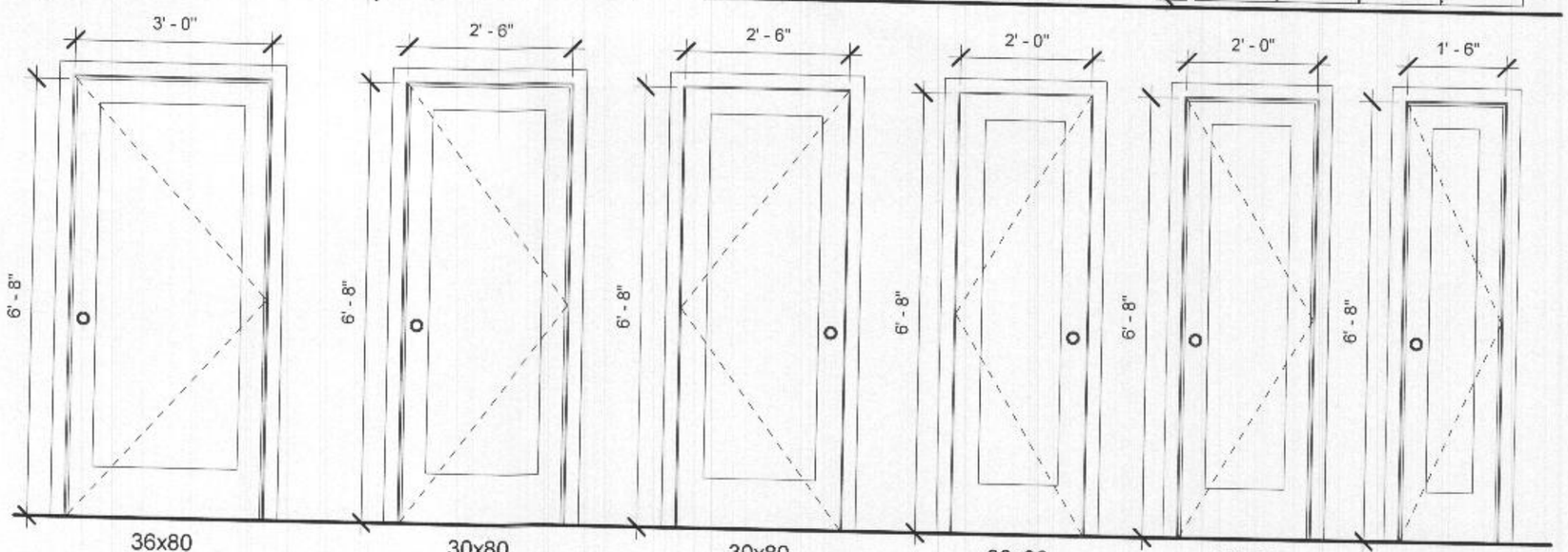
48x80
Interior Bifold
Q=1



30x80
Interior Bifold
Q=2



36x80
Exterior
Right-Handed
Q=1



36x80
Interior
Right-Handed
Q=1

30x80
Interior
Right-Handed
Q=1

30x80
Interior
Left-Handed
Q=2

30x80
Interior
Left-Handed
Q=3

24x80
Interior
Right-Handed
Q=2

30x80
Interior
Right-Handed
Q=1

Windows & Door Type
1/2" = 1'-0"

DATIS Real Estate

7965 Harriet Tubman, Columbia, MD 21044

No.	Description	Date

Windows & Doors Type

Project number	Project Number
Date	Issue Date
Drawn by	Author
Checked by	Checker

A011

Scale 1/2" = 1'-0"

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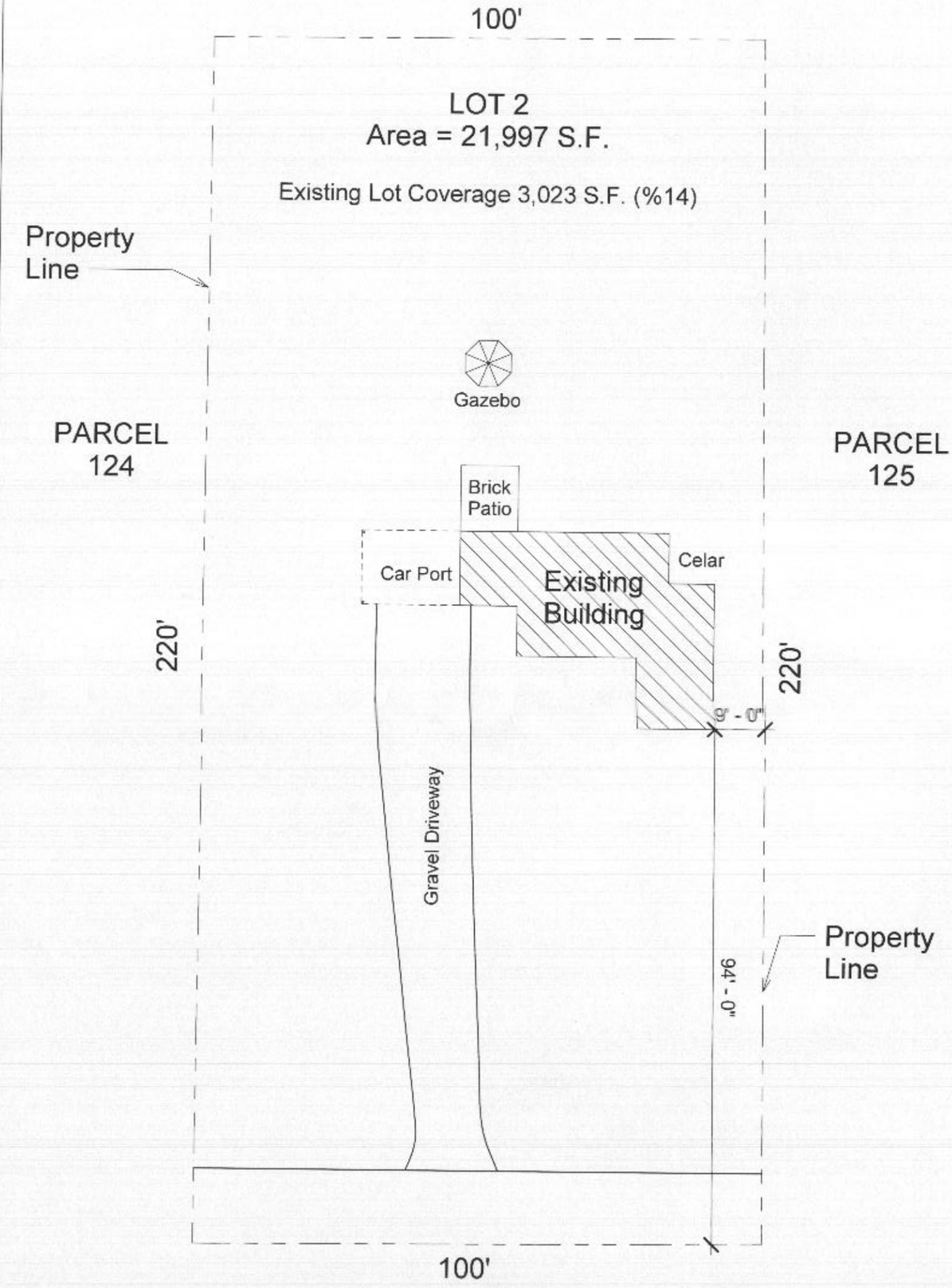
DATIS Real Estate

7965 Harriet Tubman, Columbia, MD 21044



1 Site Existing
1" = 20'-0"

No.	Description	Date

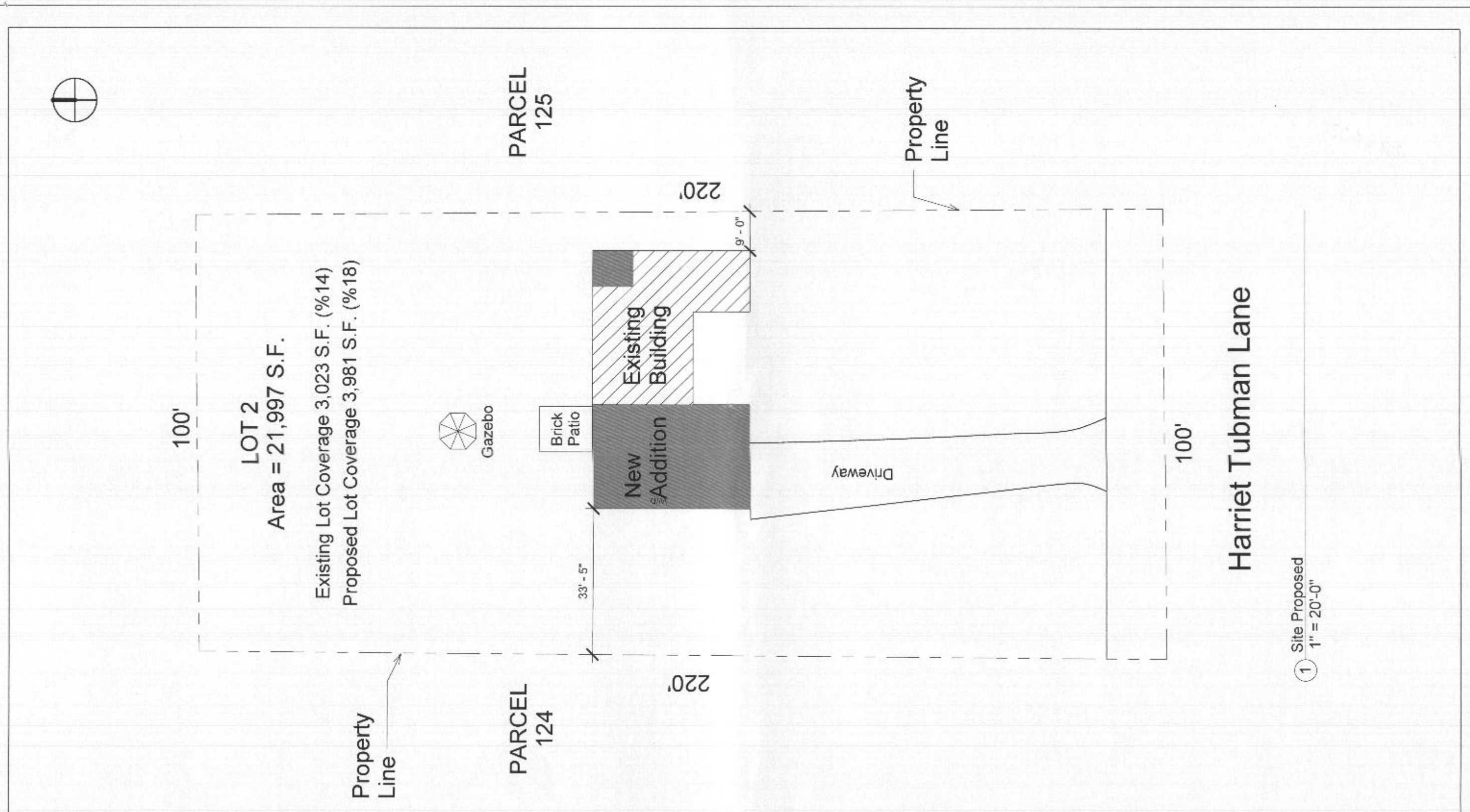
Site Plan - Existing

Project number | Project Number
Date | Issue Date
Drawn by | Author
Checked by | Checker

Scale 1" = 20'-0"

Z001

12/16/2021 1:17:56 PM



DATIS Real Estate

7965 Harriet Tubman, Columbia, MD 21044

No.	Description	Date

Site Plan - Proposed

Project number	Project Number
Date	Issue Date
Drawn by	Author
Checked by	Checker

Z002

Scale 1" = 20'-0"

12/16/2021 1:17:56 PM

PROJECT INFORMATION:

PROJECT NAME:
7965 HARRIET TUBMAN LN PROJECT

SCOPE OF PROJECT:
PROJECT CONSIST OF ADDITIONAL RESIDENTIAL AREA TO THE EXISTING BUILDING

GENERAL NOTES:

Notes and symbols included in this set are standard and may not necessarily be applicable to this project.

CODES AND REGULATIONS:
All work and materials shall conform to all governing codes and regulations, including the latest editions of the local building, electrical, and plumbing codes as well as the National Electrical Code, the NFPA 70 and the National Board of Fire Underwriters.

INSURANCE:
The contractor shall carry all necessary liability and workmen's compensation insurance.

MEASUREMENTS:
The contractor shall verify all dimensions on site prior to ordering materials or performing any work.

DRAWING DISCREPANCIES:
Should the contractor find, after visiting the site or during construction, any discrepancies, omissions, ambiguities or conflicts in the drawings, or to be unclear as to their meanings, he/she should immediately notify the Architect.

PROTECTION OF EXISTING INSTALLATIONS, MATERIALS, AND WORK:
The contractor shall protect all existing structures, utilities, and installations of all kinds against damage. The contractor will be required to return it to its original condition when the work is completed. The contractor shall be responsible for all cutting, fitting, or patching that may be required to complete the Work or make its several parts fit together properly. Any unavoidable cutting of existing work shall be restored and repaired equal to original and existing work by workmen skilled in the trades involved.

REINSTALLED MATERIALS AND EQUIPMENT:
Carefully remove, store, and protect for reinstallation materials and equipment as described in these drawings ans specifications.

STRUCTURAL:
No structural members will be cut, moved, frilled, routed, or reduced in size without the proper written permission of the Architect/Engineer. All drilling and patching for expansion bolts, shields, hangers, and other supports shall be performed subject to the prior approval of the Architect/Engineer. Replace or refinish damaged parts to the satisfaction of the Architect/Engineer.

CLEAN UP:
At all times the Contractor shall keep the premises free from accumulation of waste materials or rubbish caused by his/her operations.
At the completion of the Work, the Contractor shall remove all waste
materials and rubbish, tools, construction equipment, machinery, and
surplus materials from and about the Project.

GENERAL STRUCTURAL NOTES:

- All notes on Structural Drawings should be assumed typical unless shown otherwise or noted on drawings or specifications.
- All notes are for supplementing the plans and specifications and are in no way to be considered as excluding any item in them.
- It should be the Contractor's responsibility to coordinate the Structural Drawings and their dimensions with other drawings. If a conflict exists he shall not carry out the affected work until the Architect has resolved the conflict.
- In addition to conforming with the following notes, all work should conform to the requirements of the local building codes.
- Existing conditions shown or implied are based on best available but limited information. If conditions are encountered that differ from those shown, noted, or implied, all work in that specific area is to stop and the Architect is to be notified. No work is to continue in such areas without the permission of the Architect.

WOOD FRAMING:

LIVE LOADS;

ROOFS	30 PSF
FLOORS	40 PSF
DECKS	60 PSF
STAIRS	100PSF

Headers and lintel framing marked S.P. to be Southern Pine No. 2, medium
grade, 19% M.C. lumber or better w/ min. fb=1250 PSI, fv=90 PSI, and
E=1.6x10 PSI or equivalent. All other framing lumber to be equivalent to
HEM/FIR No. 2 as defined by PS-20-70.
All jacks required, but not noted on the plans, to be the same size as wall in
which they are installed and in quantity as noted in the following schedule:

4'-0" opening	1 jack each
6'-0" opening	2 jacks each
8'-0" opening	3 jacks each

- Note: All jacks or posts are to line up with those at floor below even when jacks are not required by framing of the floor below; that is, all jacks or posts above should be continuous, or increased as shown. to lowest level. Where beams, joists, lintels, etc. bear on masonry, there should be a minimum of 16 inches vertical by 16 inches horizontal by the total wall thickness of 100% solid masonry bearing, or plain concrete. All structural wooden members and wood located within 8 inches of soil should be pressure impregnated to resist decay and insect infestation, subject to approval of the Architect.
- All timber (lumber) nailing to be done in accordance with the nailing schedule of the BOCA Basic Building Code, a copy of which should be at the site at all times.
- All screw, lag screws, bolts and nails 20d and greater to be drilled in pre-drilled holes of appropriate size. For screws pre-drill body diameter, for bolts pre-drill major diameter, and for nails, pre-drill ⅔ diameter of nail. Bolts and lag screws are to have washers at contact surfaces.
- Beams, headers, and lintels spanning across adjacent openings should to be continuous over the support at the symbol.
- Provide and install all sheathing per IBC 2304.7
- Wood deck plywood sheathing to be 3/4" Plywood Douglas Fir (or equal) grade CC (min) bonded with 100% waterproof glue for floor and roof.
- Unless shown otherwise, double up the as-shown support structure (joists, etc.) under all partitions that run in the same general direction as the floor support structure.

Soils:

1. Footings are designed for a bearing capacity of 2000 PSF. Footings shall bear on natural undisturbed soil, 1'-0" below original grade and bottom of exterior footing shall be at least 2'-6" below finished grade. Contractor shall verify soil pressure in the field. If found to be less than 2000 PSF, the footings will have to be redesigned.

2. Do not backfill against walls until supporting slabs and walls are in place and have attained required strength.

3. All fill and backfill material, all footing bearing, excavations, and compaction control shall be inspected and approved in writing by a Qualified Engineer.

4. Utility lines shall not be placed through, or below foundations without the Engineer's approval. All excavations to be approved by proper authorities prior to the placing of foundations.

CONCRETE:

1. Except as noted, all reinforcing shall be high strength new billet steel conforming to ASTM designation A-615 (Fy = 60,000 psi). All stirrups and ties shall be new intermediate grade steel conforming to ASTM designation A-615 (Fy = 60,000 psi). All reinforcing shall be detailed, fabricated, and placed in accordance with the ACI's "Manual of Standard Practice for Detailing Concrete Structures" (ACI-315).

2. Reinforcing steel shall be place in accordance with the "CRSI Manual of Standard Practice for Reinforced Concrete Construction."

3. Lap all splices 36 bar diameters (2'-0" min.) except as noted on plans. Bend outside face wall horizontal reinforcing 1'-0" around all corners or provide 4'-0" long corner bars to match horizontal reinforcing. Splicing of #6 or larger bars shall not be permitted unless otherwise noted or authorized by the Engineer. Lapped splices of #14 or #18 bars shall not be permitted.

4. Hooks and bend shall conform to ACI-318 standards for minimum bend radius and extensions. Lengths given for bent bars do not include the radius and maximum extensions for standard hooks.

5. Welded wire fabric shall have ends lapped one full mesh and shall extend into support beams or walls, except at slabs on grade.

6. All concrete work shall be in accordance with the requirements of the American Concrete Institute Code (ACI 318 - latest edition).

7. Concrete surfaces shall be cured in accordance with ACI Specifications. Submit manufacturers material for Engineer's review.

8. All concrete work shall conform to the latest approved (by local government) editions of the following ACI and ASTM documents:
- ACI - 301 specifications
- ACI - 318 code
- ACI - 214 compression tests
- ACI - 306 cold weather
- ACI - 315 detailing
- ACI - 347 formwork
- ACI - 605 hot weather
- ACI - 613 proportions of concrete
- ACI - 614 placing concrete
- ACI - ASCE Committee 423 unbounded tendons
- ASTM- C94 ready-mix concrete

9. Provide 3" concrete protection for reinforcing in accordance with ACI.

10. All concrete, except as noted elsewhere, shall be (f'c = 3000 psi) natural hard rock aggregate concrete. All exterior concrete shall be air-entrained at minimum 3% to maximum 6%.

11. No calcium chloride shall be added to the concrete without written approval by the Engineer.

12. Unless noted otherwise, concrete slab surfaces shall be receive a smooth, trowelled finish. Surface tolerance shall be 1/4 inch in 10 feet unless otherwise noted. Ramps shall receive a medium broom finish.

13. Contractor must submit a concrete design mix in accordance with ACI 318 (latest local approved edition) for approval by the Engineer. Such design mix shall be accompanied by the appropriate graphs and background data. Concrete design mix shall indicate 7 and 28 day strengths, cement content and water cement ratio, fine and course aggregates and admixtures for each design strength.

14. All field and lab testing of concrete shall conform to the latest approved (by local government) editions of : ASTM-C-431 Field cylinder specimens
- ASTM-C-143 Slump test
- ASTM-C-173 or C-231 Air content (when required)
- ASTM-C-39 Lab testing cylinders
- ASTM-C-172 Sampling fresh concrete
- ASTM-C-42 Hardened cores (when required)

15. Upon completion of concrete testing, the agency shall certify their results as follows:"I certify that the field and lab testing conforms to the ASTM documents and good practice."Signed
_______________________, P.E.(for Agency)

16. Concrete test cylinders shall be made in accordance with ACI 318. Mold and cure samples in accordance with ASTM C31. Test cylinders in accordance with ASTM C39; 1 at 7 days age, and 2 at 28 days. Determine slump in accordance with ASTM C143. Determine air content of concrete for each strength test in accordance with ASTM C231.

17. Certify delivery tickets and control addition of water at the site.

18. Inspection of all placed concrete and reinforcement is required. Engineer shall approve inspector. Inspection Agency shall certify formwork, concrete and reinforcement under an engineer's seal. Submit daily reports to Owner, Contractor, Architect, Building Department, and Engineer.

Professional Certification
I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland.
License number 33924
Expiration date 01/25/2023

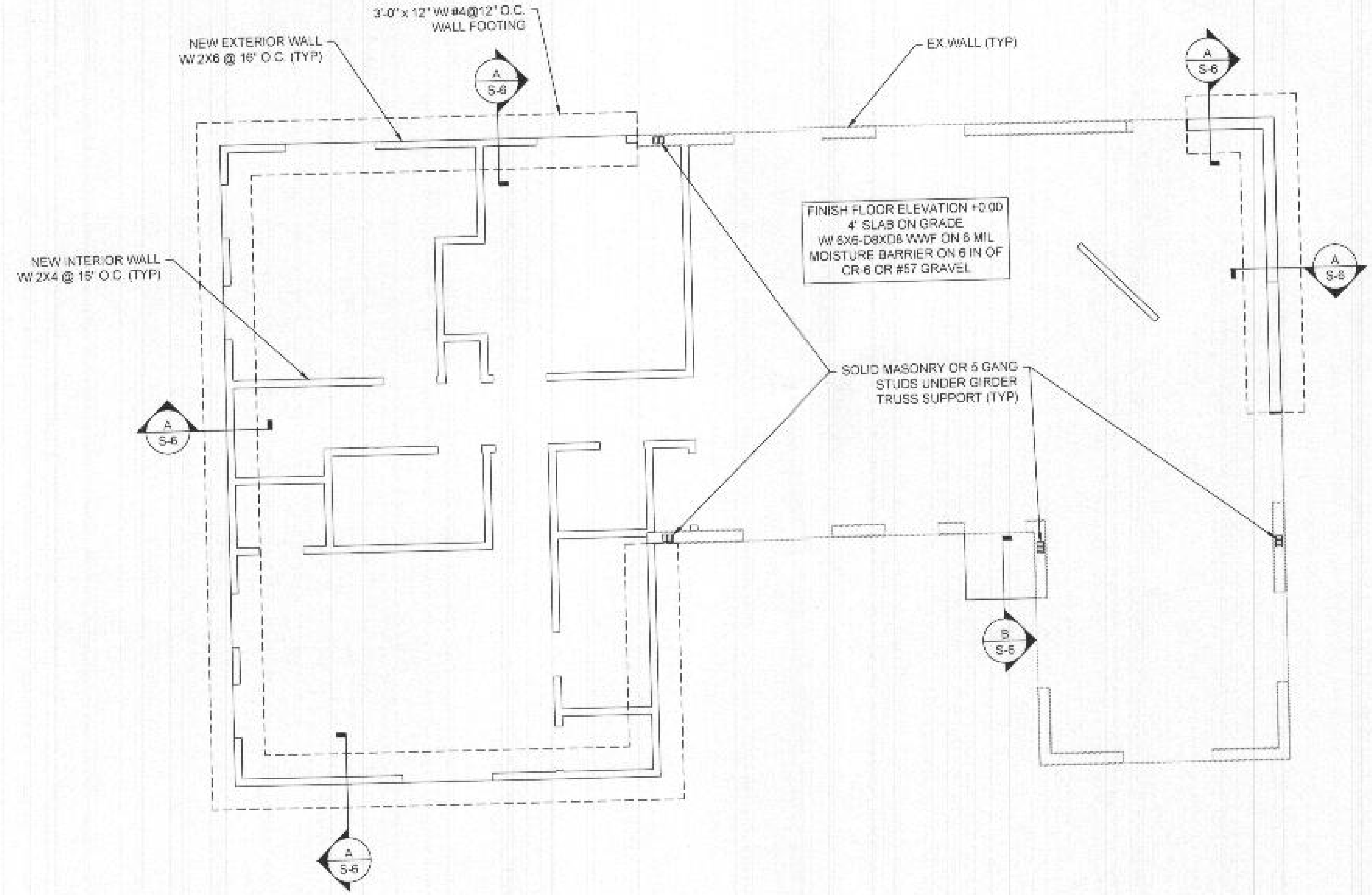
A & A STRUCTURES LLC

PROJECT: 7965 HARRIET TUBMAN LN ADDITION

LOCATION: 7965 Harriet Tubman Ln, Columbia, MD 21044

TITLE: GENERAL NOTES

SHEET NO.: S-01



Professional Certification
I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland, License number 33924 Expiration date 01/25/2023

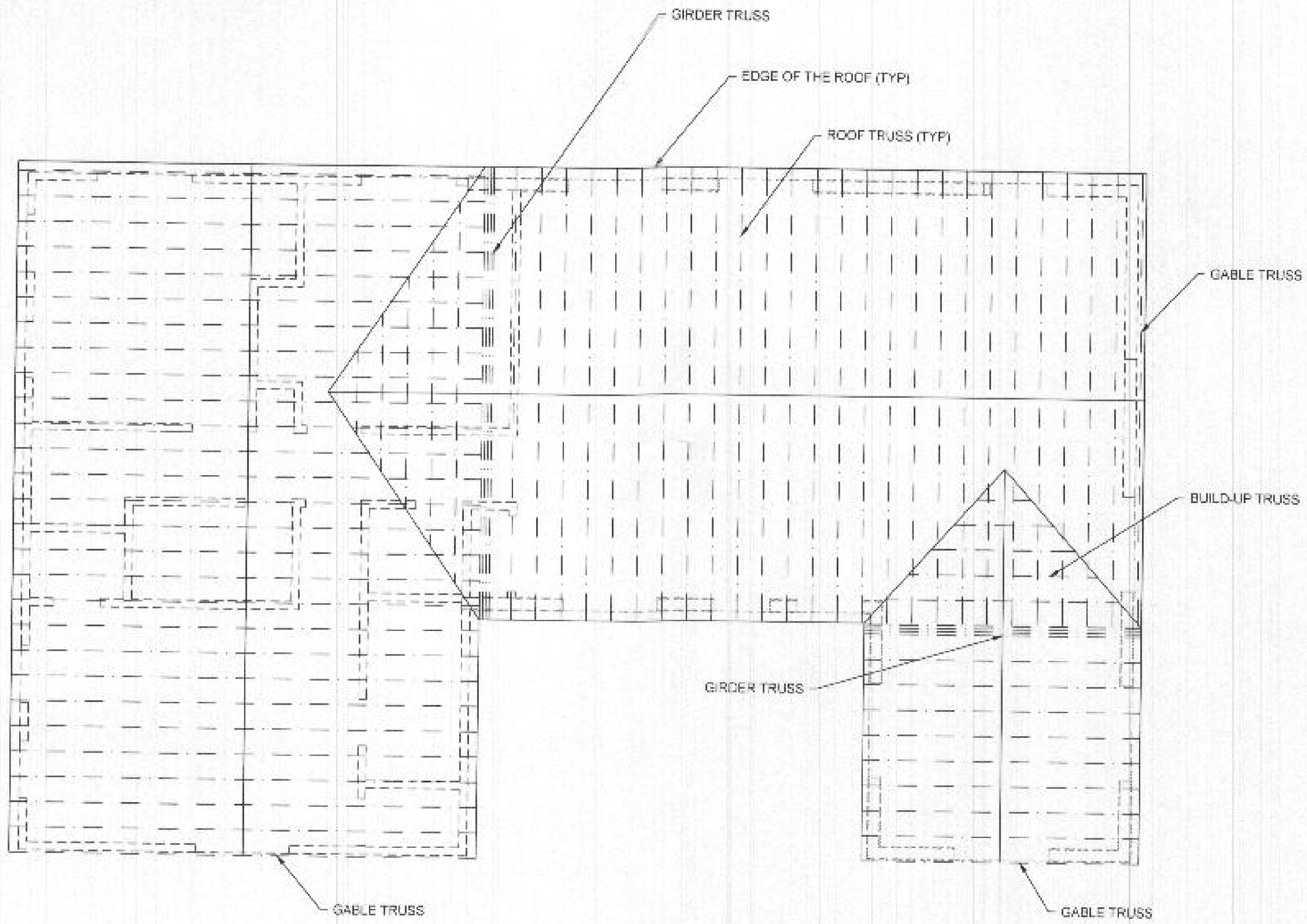
A & A STRUCTURES LLC

PROJECT: 7965 HARRIET TUBMAN LN ADDITION

LOCATION: 7965 Harriet Tubman Ln, Columbia, MD 21044

TITLE: FOUNDATION PLAN

SHEET NO.: S-02



Professional Certification
I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland, License number 33924 Expiration date 01/25/2023

REV	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	12/15/2021

A & A STRUCTURES LLC
21 HOLLY LEAF CT, BETHESDA MD 20817
TEL: 240-676-5269 EMAIL: AASTRUCTURE@GMAIL.COM

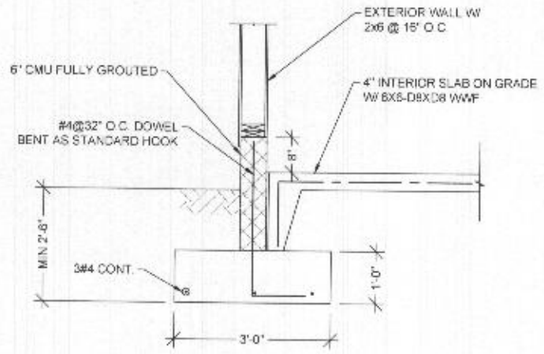
DESIGNED BY: Y.A. | DATE: 12/15/2021
DRAWN BY: Y.A.
CHECKED BY: B.A. | DRAWING FILE
APPROVED BY: Y.A.

PROJECT:
7965 HARRIET TUBMAN LN ADDITION

LOCATION:
7965 Harriet Tubman Ln, Columbia, MD 21044

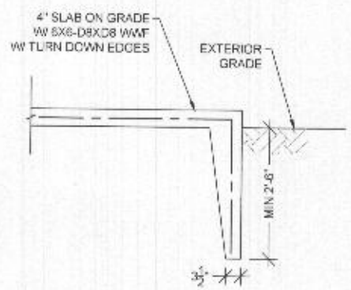
TITLE:
ROOF PLAN

SHEET NO.
S-03



SECTION A

SCALE : 3/4" = 1'-0"



SECTION B

SCALE : 3/4" = 1'-0"

Professional Certification.
I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland, License number 33924
Expiration date 01/25/2023

A & A STRUCTURES LLC
22 HOLLY LEAF CT. BETHESDA MD 20817
TEL : 240-678-5386 EMAIL : AAS.RUCTURE@GMAIL.COM

NO	DESCRIPTION	DATE
1	PERMIT FOR PERMIT	12/15/2021

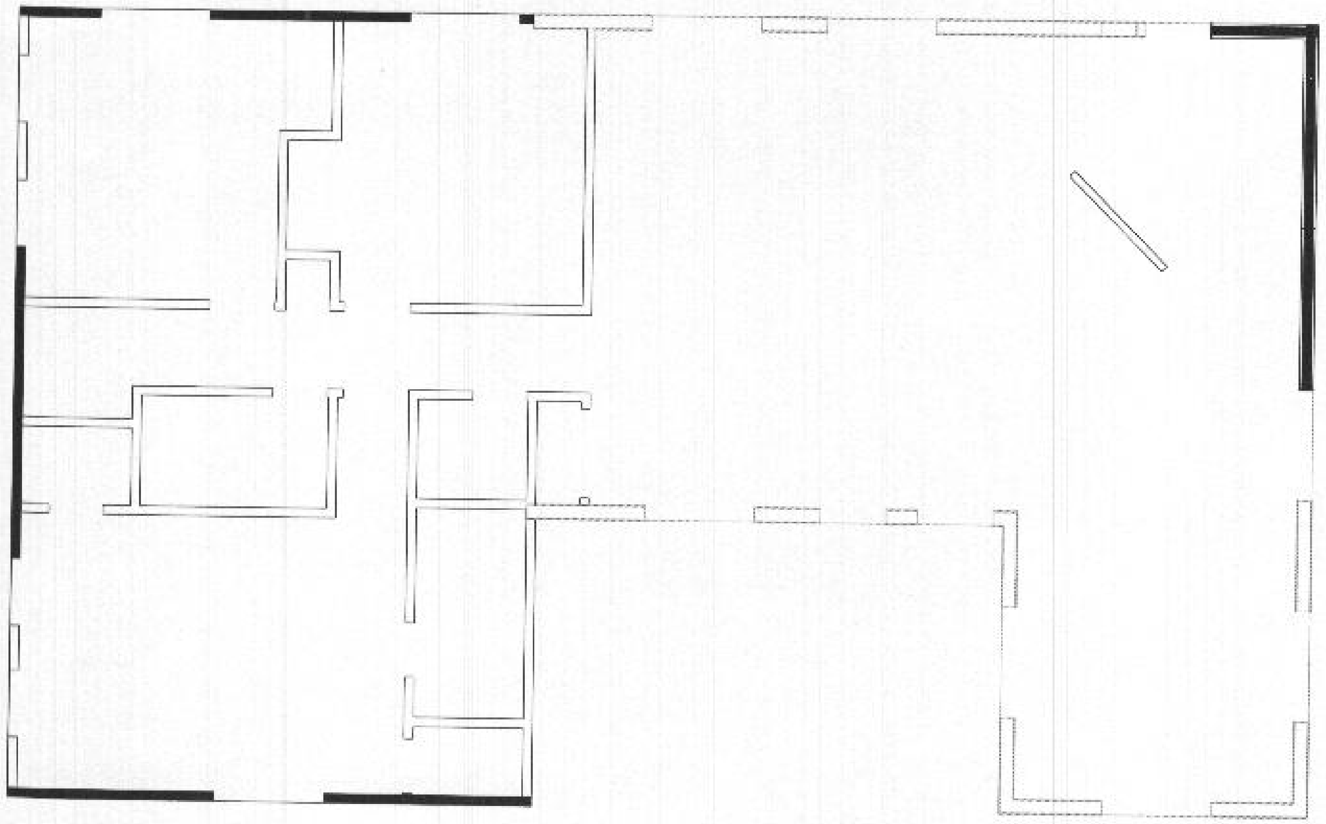
DESIGNED BY : Y.A.
DRAWN BY : L.A.
CHECKED BY : B.A.
APPROVED BY : Y.A.
DATE : 12/15/2021
DRAWING FILE

PROJECT : 7965 HARRIET TUBMAN LN ADDITION

LOCATION : 7965 Harriet Tubman Ln, Columbia, MD 21044

TITLE : SECTIONS

SHEET NO. S-04



FIRST FLOOR WALL BRACING PLAN

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

NON BRACING WALL

WALL BRACING

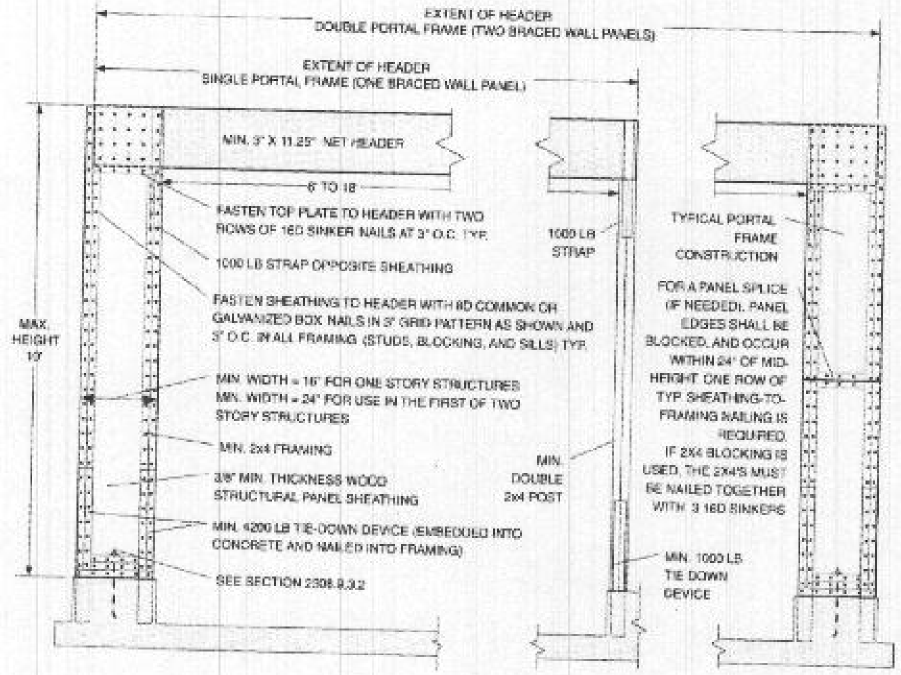
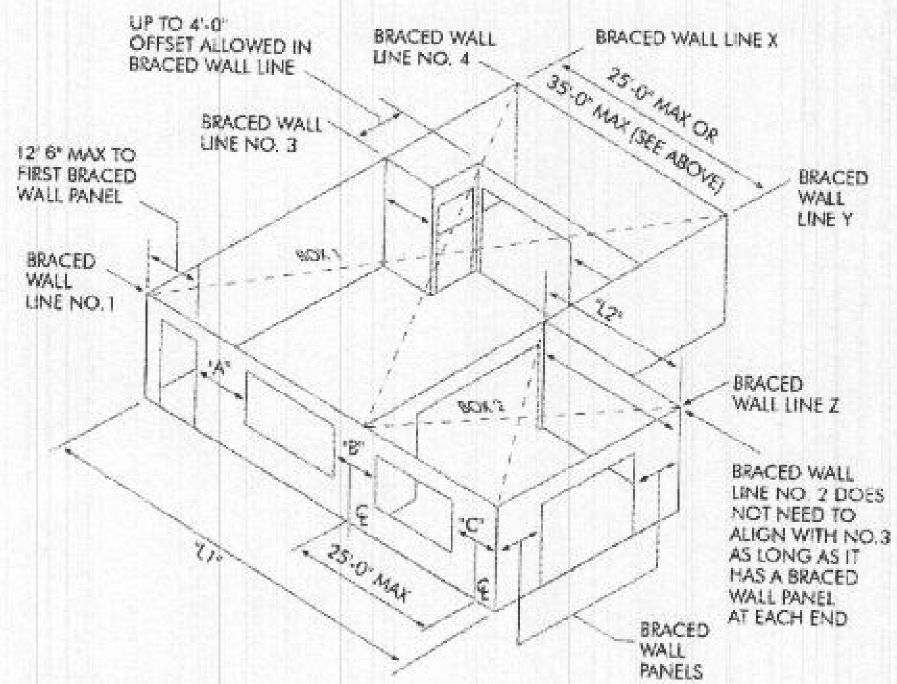


FIGURE 2308.9.3.2
ALTERNATE BRACED WALL PANEL ADJACENT TO A DOOR OR WINDOW OPENING



Professional Certification
I certify that these documents were prepared or approved by me, and that I am a duly licensed engineer under the laws of the State of Maryland.
License number 33924
Expiration date 01/25/2023

STATE OF MARYLAND
PROFESSIONAL ENGINEER
33924

REV	DESCRIPTION	DATE
0	ISSUED FOR PERMIT	12/15/2021

A & A STRUCTURES LLC
22 HOLLY LEAF CT. BETHESDA MD 20817
TEL: 240 676-3265 EMAIL: AASTRUCTURE@GMAIL.COM

DESIGNED BY: Y.A. | DATE: 12/15/2021
DRAWN BY: L.A.
CHECKED BY: B.A. | DRAWING FILE:
APPROVED BY: Y.A.

PROJECT: **7965 HARRIET TUBMAN LN ADDITION**

LOCATION: **7965 Harriet Tubman Ln, Columbia, MD 21044**

TITLE: WALL BRACING PLAN

SHEET NO.: **S-05**