My name is Joe Muldoon and I am applying to repair a portion of the 1st floor exterior wall on my home at 1514 26th St., NW in the East Village of Georgetown which is currently failing and creating a <u>Safety Issue.</u>

Safety Hazard

This project began as a result of contact from the Chief of the DC Fire Department and the DCRA building inspectors who determined that the rear (westerly) potion of the North exterior wall of my home appeared to be bowing out, in danger of collapse and posing a <u>Safety Hazard</u>. I immediately hired a structural engineer to conduct an assessment, who was also quite concerned about the safety issue and so I hired him to design plans to implement temporary bracing of the building.

Temporary Bracing

The plan is to install temporary bracing for safety to support the building to prevent any further deterioration and allow for the repairs. The temporary bracing will be removed upon the completion of the repairs.

Area to be Repaired/Replaced

The area to be repaired/replaced includes the rear most portion of the 1st floor North exterior wall only.

The elevation of the proposed repair work is on the Ground floor only (there is no basement). The first 18 inches above ground is comprised of the stone foundation upon which the current wall rests and upon which the repaired wall will also sit.

The width (height) of the area to be repaired ranges from 94 inches to 118 inches and includes the 1st floor wall area between the foundation up to the 2nd story floor joists, which will rest on the new exterior wall petition.

The length of the area to be repaired is 348 inches and is located in the rear, most westerly and furthest from the street, portion of the north exterior wall. The exterior wall on the 2nd Floor above the area to be repaired will not be modified or touched as the new wall petition will be inserted below the upstairs floor joists.

Existing Condition

The existing wall is comprised of various materials, including 2 types of siding. The current condition of the wall is that it is continuing to "bow out", to slowly separate from interior walls and structures and to continue to collapse. All that have inspected it consider it a Safety Hazard.

Proposal

Per the recommendations of the Structural Engineer, the plan is to replace the failing portion of the exterior wall with a 2"x 6" petition. The new wall will be filled will R-19 insulation, covered with 1/2 sheathing and 1/2 exterior plywood for strength, and installed to match the current appearance of the existing wall (and the rest of the home).

In addition, the upper half portion of the area to be repaired (as with the 2nd floor) is covered with a unique Lap siding of 12" wide boards ovelapped 1". This siding will be maintained and reinstalled in order to keep the finished exterior appearance of the wall the same as the existing condition after the repairs are completed in order to preserve the same historic look.

First Floor Exterior Wall Only

The repair work will be restricted to the 1st floor exterior wall only. There will be No changes to the 2nd floor exterior wall, No changes to any of the floor plans in the home, and there is No basement.

The proposed exterior appearance will match the existing exterior appearance and the rest of the home (Lap siding over a flat, white wall with a single, small window).

Historic Impact

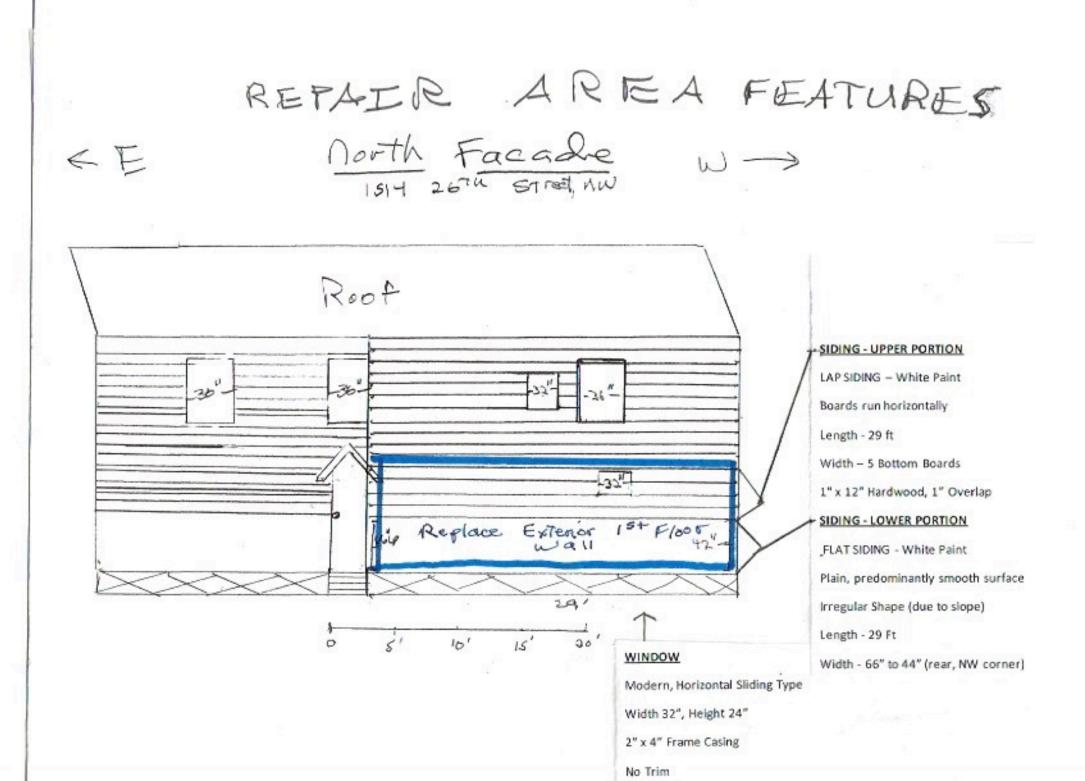
I believe that the proposed repairs in this proposal are urgent, necessary, and a Safety Issue and will have a very low impact on the Historic Nature or Appearance of my home or my Georgetown neighborhood for the following reasons:

- a. The proposed exterior appearance will match the existing exterior appearance with no perceptible difference.
- b. The repair work will be restricted to the 1st floor exterior wall only. No changes to the 2nd floor exterior wall, No changes to any of the floor plans, and there is no basement.

- c. The area to be repaired contains a single small window only, which will be reinstalled.
- d. The view from the street is minimal and quite restricted as the area to be repaired is in the rear of a long, narrow, elevated, private walkway.

CONCLUSION:

I respectfully urge the reviewers to immediately approve this repair in order to preserve the integrity of this Historic bulding, prevent further deterioration, and eliminate the current SAFETY HAZARD that exists and will continue to worsen.





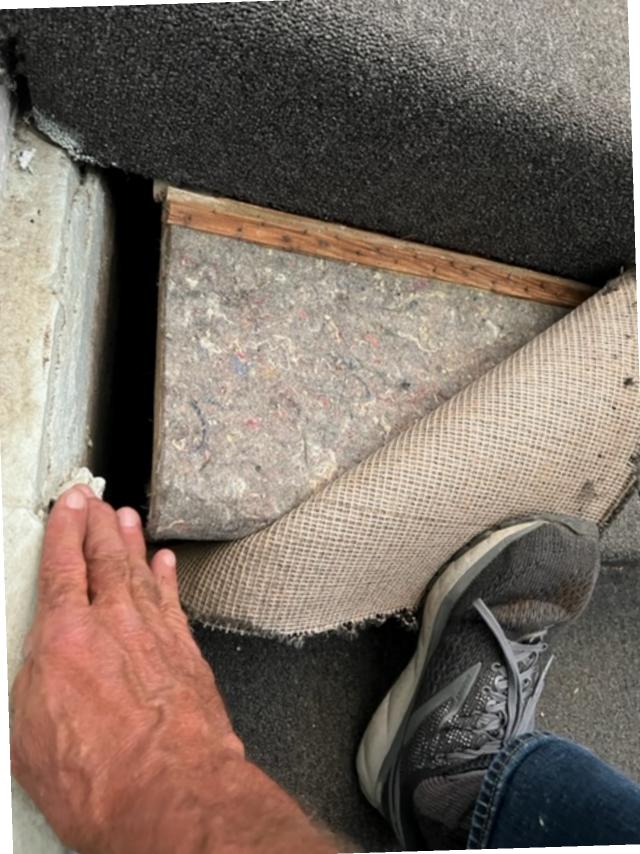
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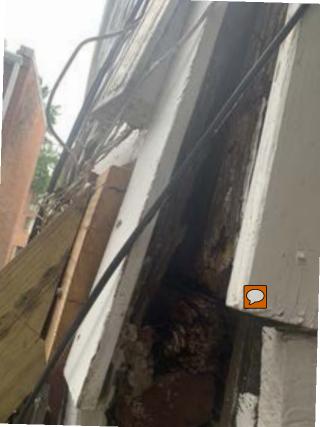










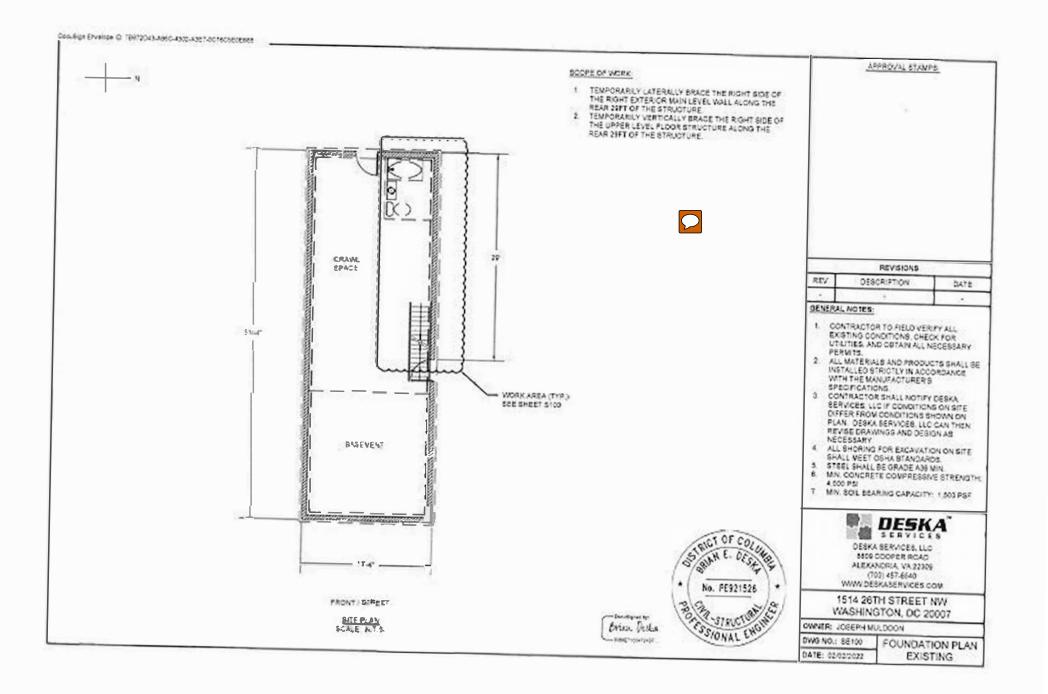


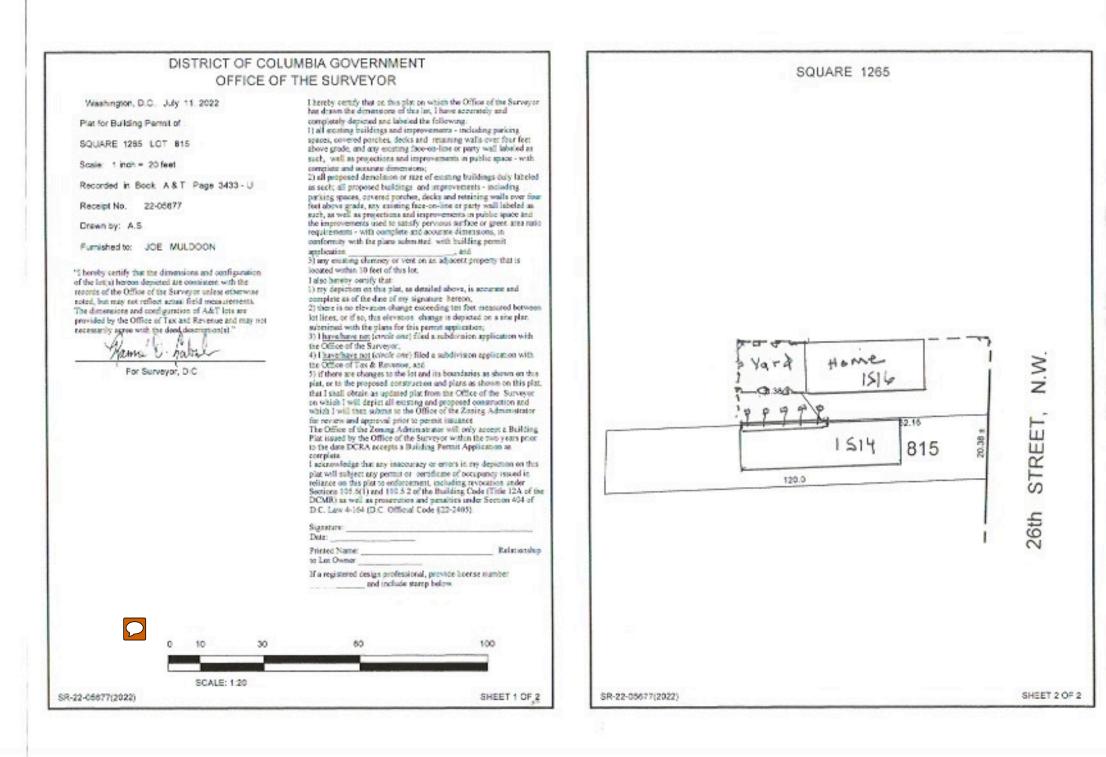


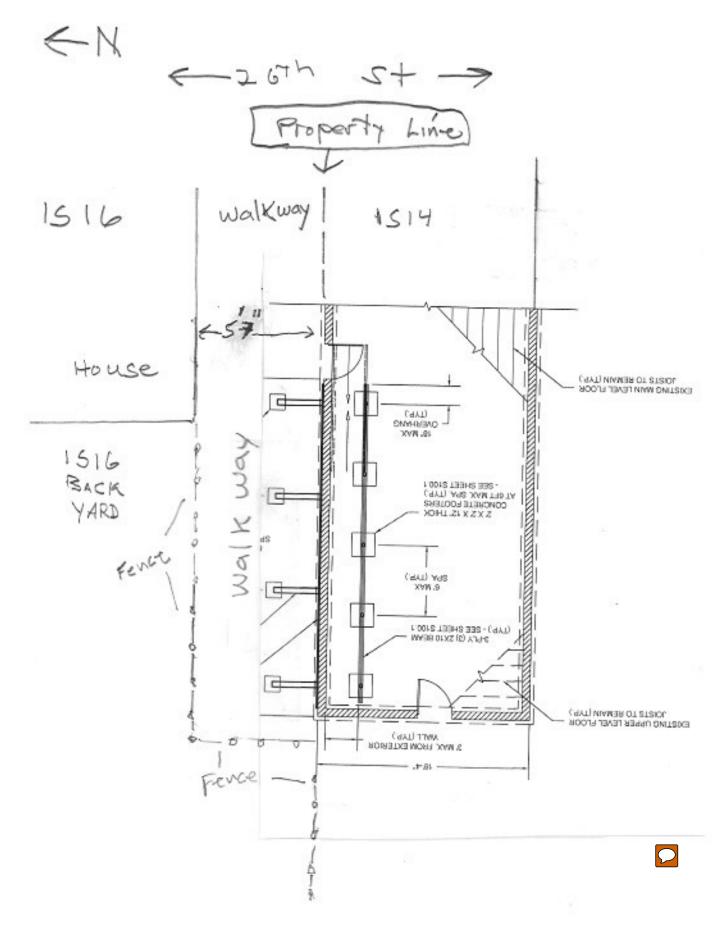
NEW EXTERIOR WALL

Once the frame of the new wall is installed using 2" x 6" framing to replace the old wall petition and erected according to the structural engineering plans, I plan to finish the wall using the following materials:

New Wall Petition – 2"x 6" Stud Frame wall New Wall Sheathing – 4' x 8' sheathing plywood New Wall Exterior covering – 4' x 8' exterior plywood New Wall Exterior Lap Siding – 1" x 12" boards, various lengths, reinstall as exiting New Wall Insulation -- R-19 throughout Paint -- White Exterior







SITE MAP:



CODE ANALYSIS:

BUILDING CODE:	2017 DISTRICT OF COLUMBIA BUILDING CODE

2

- STORIES ABOVE GRADE:
- UNIFORM LIVE LOAD: 40 PSF

GENERAL REQUIREMENTS:

- 1. PROVIDE ALL LABOR, MATERIAL, EQUIPMENT AND MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE REQUIRED SCOPE OF WORK.
- 2. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY AND FOR THE STABILITY OF ALL NEW, EXISTING, AND TEMPORARY SHORING AS REQUIRED TO SUPPOR THE STRUCTURE WHILE PERFORMING THE WORK.
- 3. THESE DRAWINGS REFLECT THE INFORMATION PROVIDED BY OTHERS AND THE CONDITIONS ON SITE SHOULD BE VERIFIED BY THE CONTRACTOR TO COORDINATE THE WORK. ANY CONDITIONS THAT ARE MISREPRESENTED OR NOT PROPERLY SHOWN WITHIN THESE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 4. SECURE AND PROTECT ALL WORK AREAS FROM EXTERNAL WATER INTRUSION.
- 5. SECURE ALL WORK AREAS TO PREVENT HARM TO PEOPLE, VEHICLES, EQUIPMENT, SURROUNDING CONSTRUCTION, SURROUNDING STRUCTURES, ETC. FROM THIS SCOPE OF WORK.
- 6. ACQUISITION OF PERMITS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING INSPECTIONS, AND FOR MEETING ALL APPLICABLE CODES.
- 7. REQUIRED PERMITS AND/OR APPROVALS MAY INCLUDE BUT ARE NOT LIMITED TO:
- 7.1. EXCAVATION AND SHORING
- 7.2. EROSION AND SEDIMENT CONTROL
- 7.3. MAINTAINING PEDESTRIAN RIGHT OF WAYS
- 7.4. MAINTAINING VEHICULAR RIGHT OF WAYS

SCOPE OF WORK:

- 1. TEMPORARILY LATERALLY BRACE THE RIGHT SIDE OF THE RIGHT EXTERIOR MAIN LEVEL WALL ALONG THE REAR 29FT OF THE STRUCTURE.
- 2. TEMPORARILY VERTICALLY BRACE THE RIGHT SIDE OF THE UPPER LEVEL FLOOR STRUCTURE ALONG THE REAR 29FT OF THE STRUCTURE.

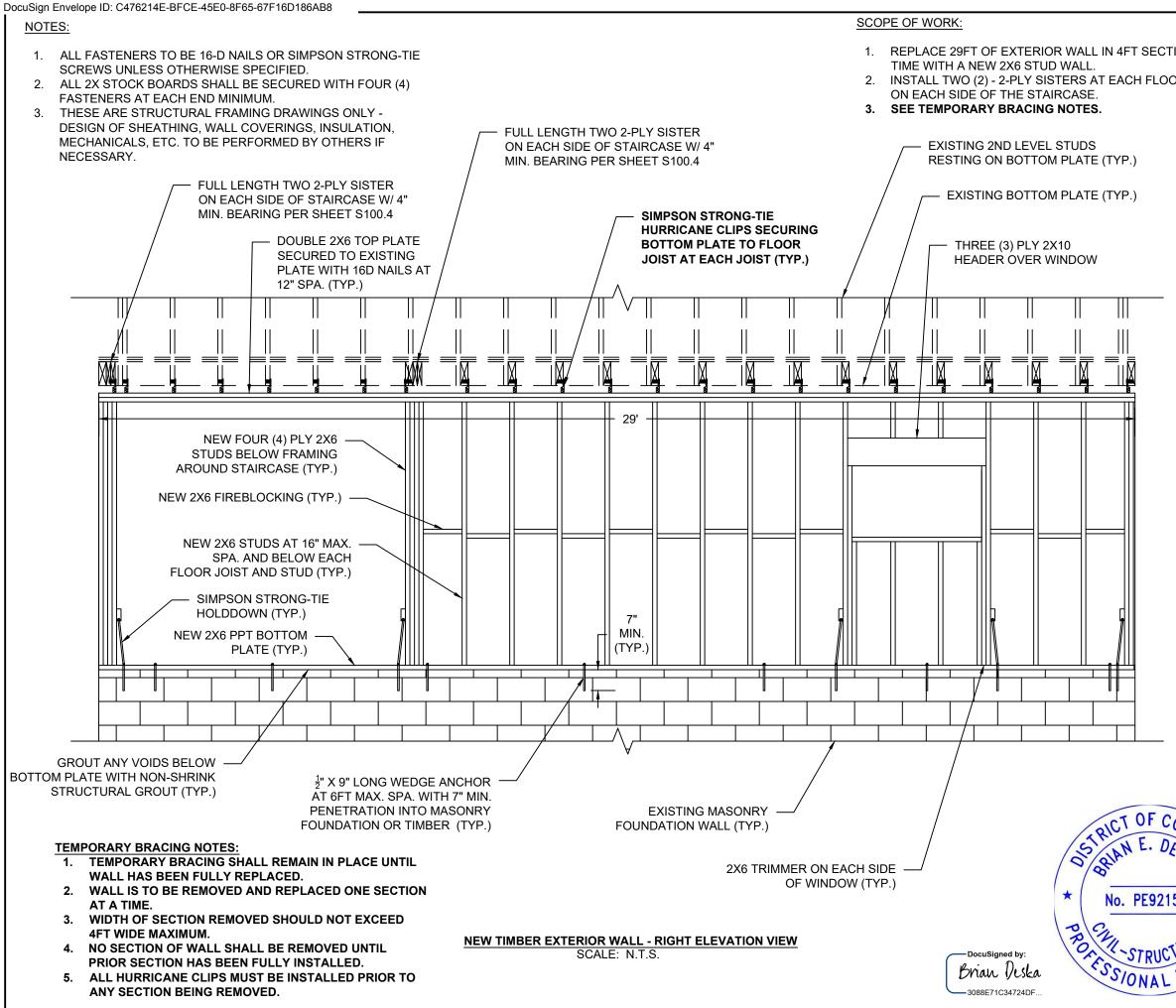
LIST OF DRAWINGS:

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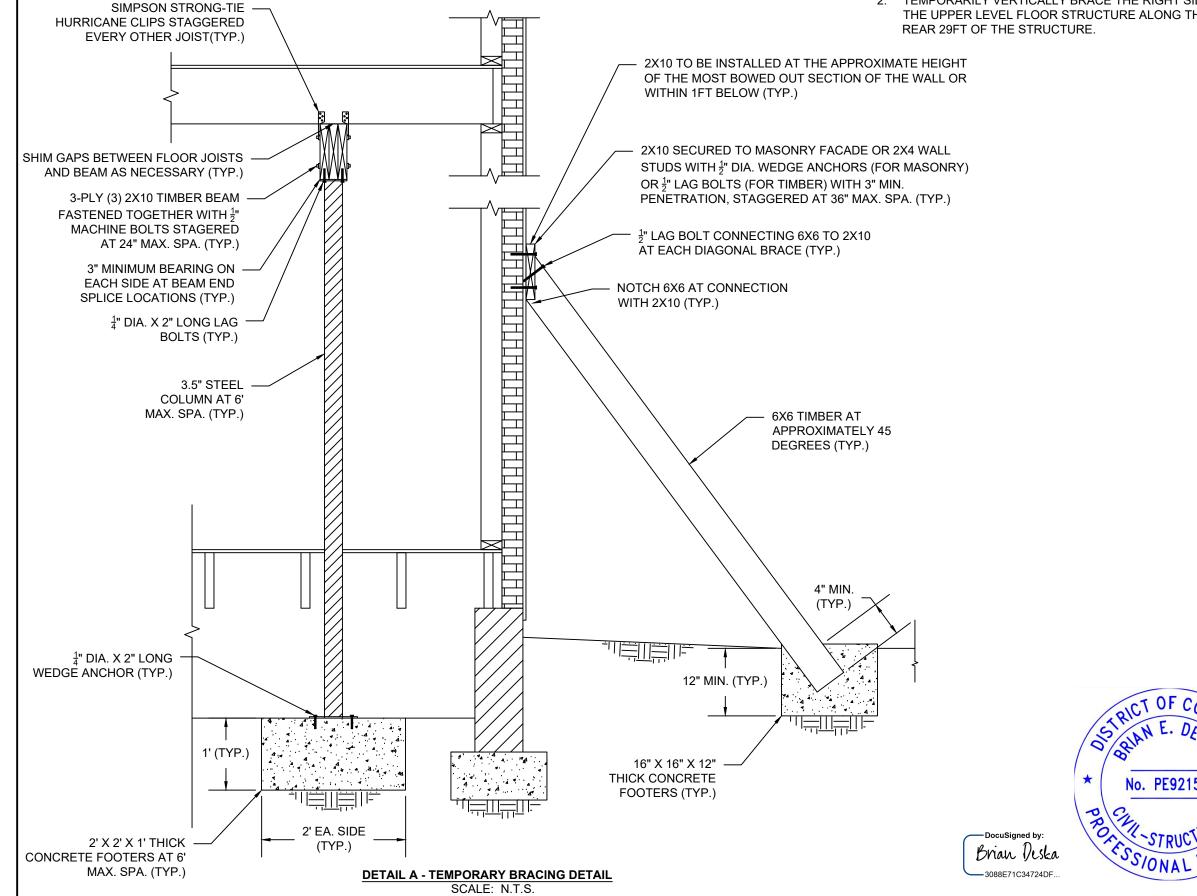
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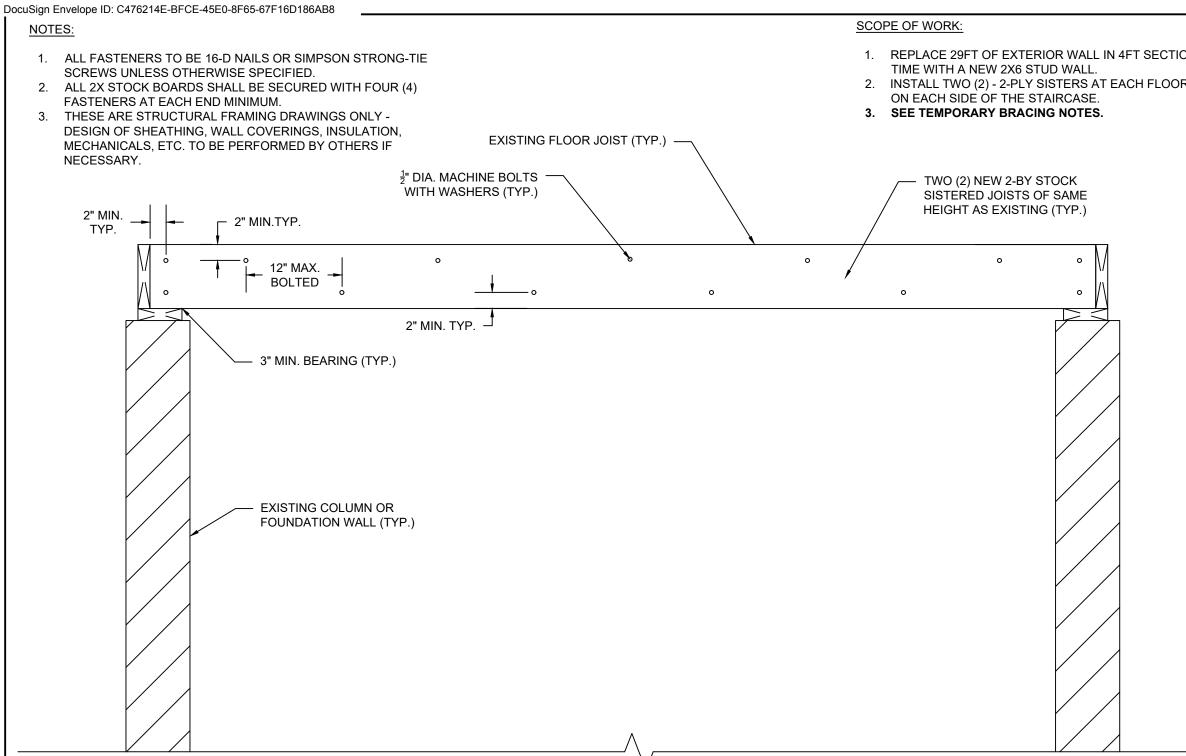
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TEMPORARY BRACING NOTES:

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- WALL IS TO BE REMOVED AND REPLACED ONE SECTION 2. AT A TIME.
- WIDTH OF SECTION REMOVED SHOULD NOT EXCEED 3. 4FT WIDE MAXIMUM.
- NO SECTION OF WALL SHALL BE REMOVED UNTIL 4. PRIOR SECTION HAS BEEN FULLY INSTALLED.
- 5. ALL HURRICANE CLIPS MUST BE INSTALLED PRIOR TO ANY SECTION BEING REMOVED.

JOIST SISTER - FULL SPAN SISTER DETAIL

SCALE: 1" = 1'-0"



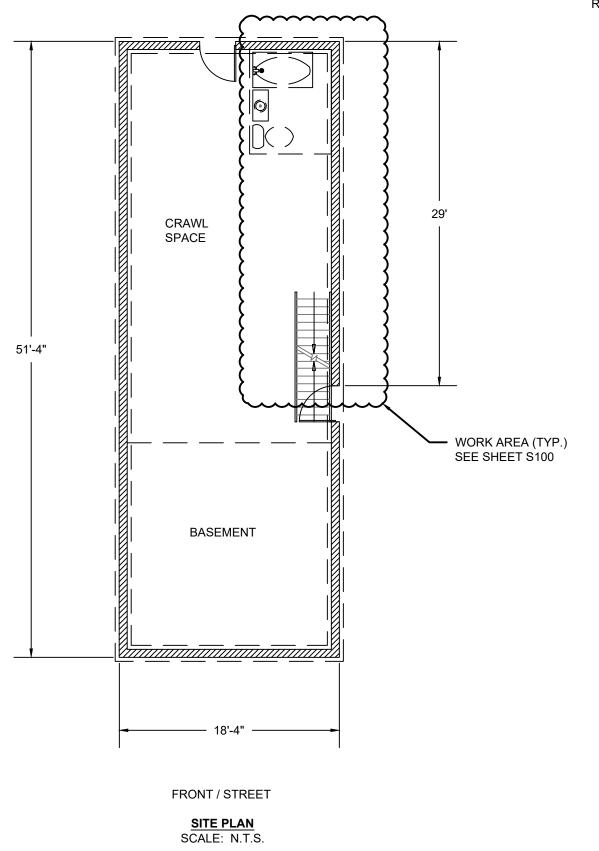
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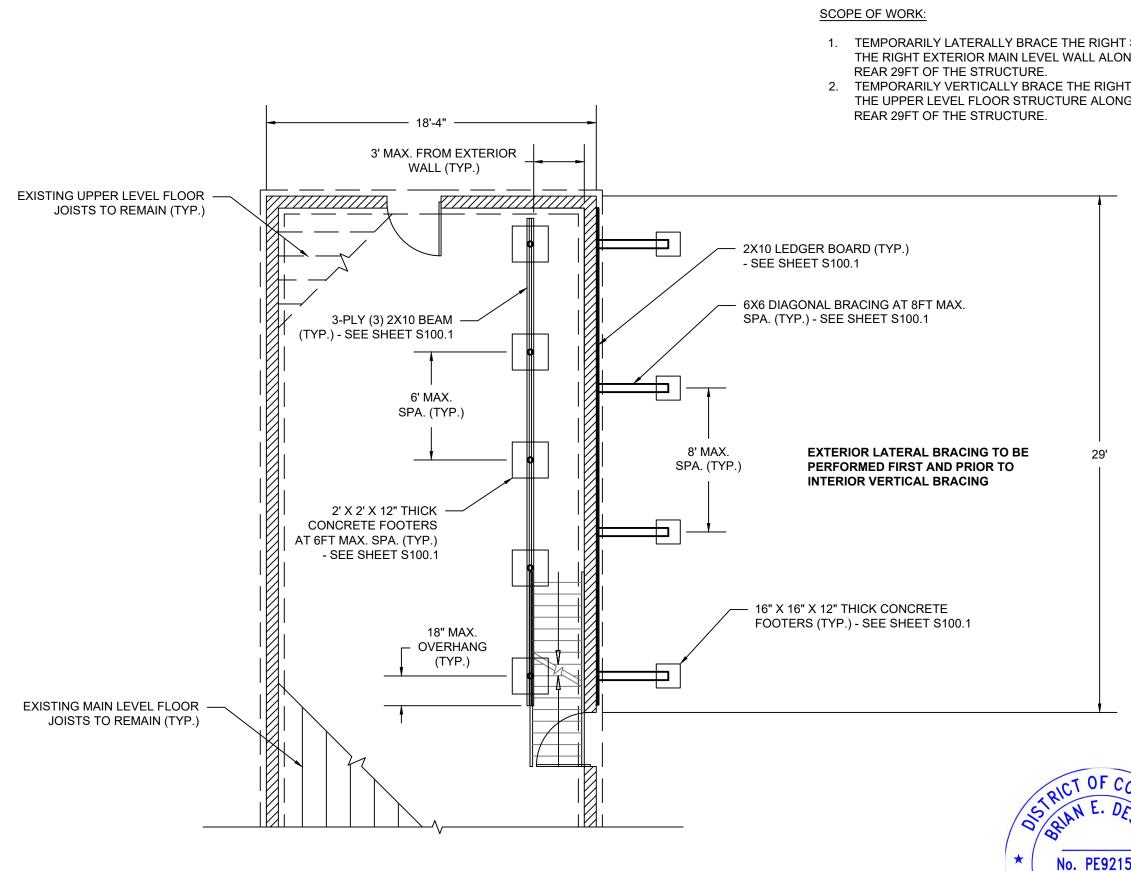




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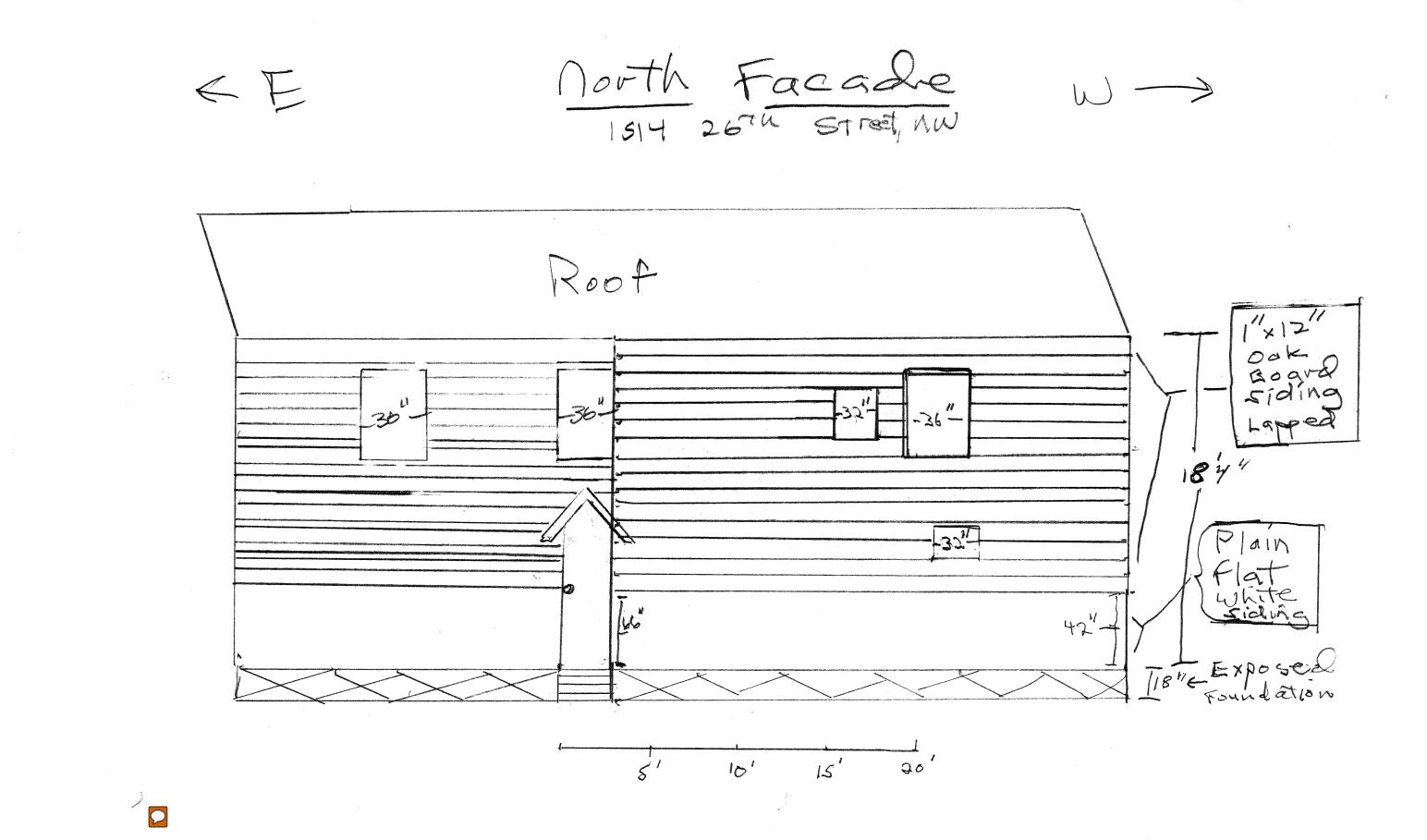
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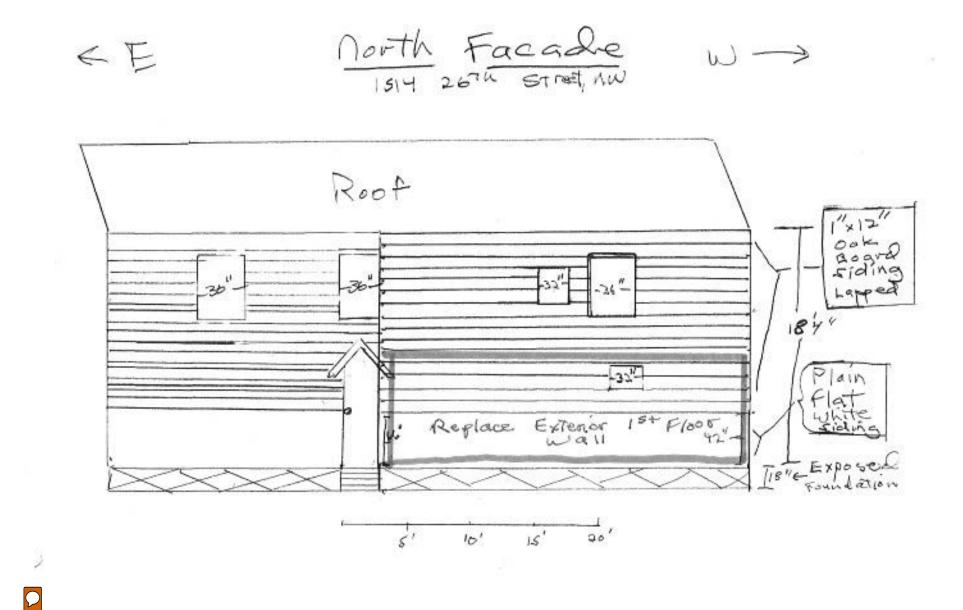
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MAIN LEVEL PLAN VIEW SCALE: N.T.S.

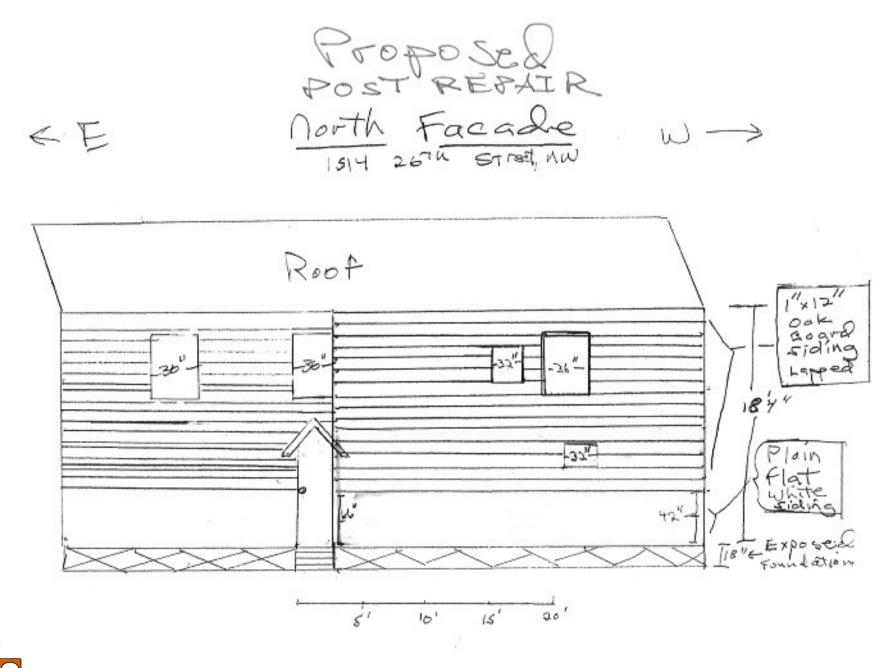
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