

INFILTRATION SYSTEM DESIGN

DESIGN STORM 5.8 INCHES = 0.483 ET.

REQUIRED TREATMENT VOLUMES

276 SF. NEW ROOF (REAR ADDITION) @ 100%

276 x 0.483 = 133.3 CF.

TOTAL REQUIRED TREATMENT VOLUME 133.3 CF.

REQUIRED ROOF TO BE TREATED

133.3 CF. / 0.483 = 276 SF.

PROVIDE TREATMENT VOLUMES

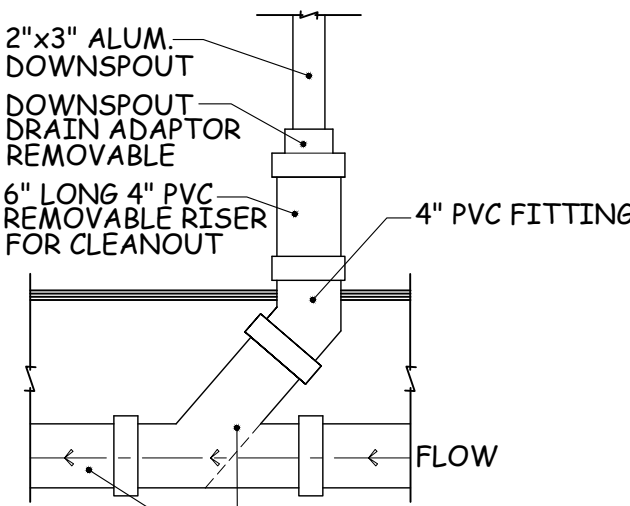
DESIGN VOLUME ST. 740 = 67.61 CF. EACH

133.3 / 67.61 = 1.97 or USE 2 UNITS

2 x 67.61 = 135.22 x 133.3 CF.

NOTES:

- No existing drainage structures or subsurface piping. Existing downspouts discharge to grade. Existing downspouts must be provided with splash blocks.
- The infiltration system must not be connected until construction is complete and the site is stabilized.
- All downspouts from the proposed front, side & rear addition, (196 sf.) to be connected to the new infiltration system.
- Cut and fill material shall not be imported to or exported from the site.
- The building inspector or village engineer may require additional erosion control measures if deemed appropriate to mitigate unforeseen siltation and erosion of disturbed soils.
- "As-Built" drawings of the site improvements shall be submitted to the Village Engineer for review prior to obtaining Certificate of Occupancy.
- The setting and infiltration chambers shall be inspected annually to determine the depth of solids accumulated therein. When the depth of solids exceeds 3/4 of the depth of the chamber they are to be removed. If significant solids are accumulated within the infiltration chambers they should be removed.
- The infiltration system access ports shall be shown on the "As Built"
- The area of the proposed infiltration system shall be protected from over-compaction during construction. Fence off area during construction or de-compact soil prior to installation of infiltration units.



LEADER DRAIN

| CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA | |
|---|-------------------|
| GROUND SNOW LOAD | 30 psf |
| WIND DESIGN | |
| WIND SPEED | 115-120 mph |
| TOPOGRAPHIC EFFECTS | NO |
| SPECIAL WIND REGION | YES |
| WIND-BORN DEBRIS ZONE | NO |
| SEISMIC DESIGN CATAGORY | C |
| SUBJECT TO DAMAGE | |
| WEATHERING | SEVERE |
| FROST DEPTH | 42" |
| TERMITE | MODERATE/HEAVY |
| WINTER DESIGN TEMPTATURE | 0°- 10° |
| ICE BARRIER UNDERLAYMENT REQUEITEMENT | YES |
| FLOOD HAZARDS | MAP # 36119C0261F |
| AIR FREEZING INDEX | 2000 |
| MEAN ANNUAL TEMPTATURE | 51.6 °F |

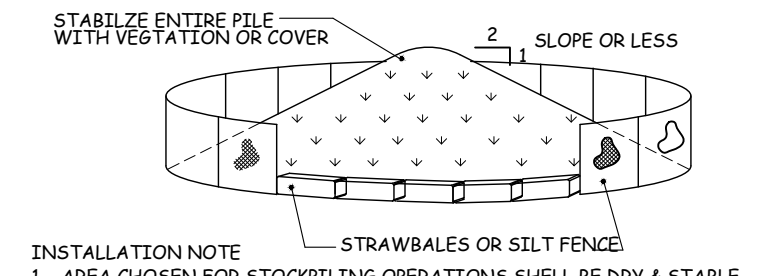
| COVERAGE CALCULATIONS | EXISTING | PROPOSED | INCREASE |
|-----------------------|--------------|--------------|------------|
| MAIN HOUSE | 628 sq.ft. | 904 sq.ft. | 276 sq.ft. |
| FRONT PORCH | 169 sq.ft. | 169 sq.ft. | 0 sq.ft. |
| REAR DECK | 75 sq.ft. | 282 sq.ft. | 207 sq.ft. |
| DRIVEWAY & WHEEL RUN | 258 sq.ft. | 258 sq.ft. | 0 sq.ft. |
| DRIVEWAY-2 | 216 sq.ft. | 216 sq.ft. | 0 sq.ft. |
| STONE WALL & CURB | 108 sq.ft. | 108 sq.ft. | 0 sq.ft. |
| A/C EQUIP. PAD | N/A | 18 sq.ft. | 18 sq.ft. |
| TOTAL COVERAGE | * 980 sq.ft. | 1,481 sq.ft. | 501 sq.ft. |

* LOT COVERAGE TOTAL EXCLUDES DRIVEWAY

| INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT | | | | | | | | | |
|---|-----------------------|-----------------------|--------------------------|-----------------|-------------------------|-------------------|---------------|---------------------------|--------------------------|
| CLIMATE ZONE | FENESTRATION U-FACTOR | SKYLIGHT "b" U-FACTOR | GLAZED FENESTRATION SHGC | CEILING R-VALUE | WOOD FRAME WALL R-VALUE | MASS WALL R-VALUE | FLOOR R-VALUE | BASEMENT WALL "c" R-VALUE | SLAB "d" R-VALUE & DEPTH |
| 4 | 0.32 | 0.55 | 0.40 | 49 | 20 or 13 + 5 h | 8 / 13 | 19 | 10 / 13 "c" | 10, 2ft. |

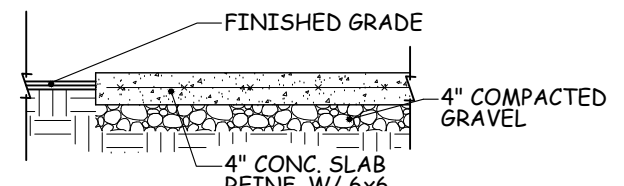
= 2.50-21-16

| ZONING DATA SHEET | | | | |
|--|--------------|--------------|--------------|-------------------------|
| TAX MAP DESIGNATION: = 2.50-21-16 | | | | |
| | PERMITTED | EXISTING | PROPOSED | COMMENTS |
| MINIMUM LOT SIZE | 5,000 sq.ft. | 5,000 sq.ft. | 5,000 sq.ft. | MEETS REQUIREMENTS |
| FRONT YARD SETBACK | 30' | 1.1' | 1.1' | EXISTING NON CONFORMING |
| SIDE YARD SETBACK-1 | 10' | 3.5' | 3.5' | EXISTING NON CONFORMING |
| SIDE YARD SETBACK-2 | 10' | 20' | 20' | MEETS REQUIREMENTS |
| REAR YARD SETBACK | 30' | 44.1' | 44.1' | MEETS REQUIREMENTS |
| LOT WIDTH | 50' | 50' | 50' | MEETS REQUIREMENTS |
| LOT DEPTH | 100' | 100' | 100' | MEETS REQUIREMENTS |
| HEIGHT | 35' | 27.0' | 27.9' | MEETS REQUIREMENTS |
| TOTAL LOT COVERAGE (5,000 x 24%) | 1,200 sq.ft. | 930 sq.ft. | 1,481 sq.ft. | NON CONFORMING |
| FLOOR AREA CALCULATIONS | EXISTING | PROPOSED | INCREASED | |
| FIRST FLOOR | 628 sq.ft. | 904 sq.ft. | 276 sq.ft. | |
| SECOND FLOOR | 578 sq.ft. | 904 sq.ft. | 326 sq.ft. | |
| ATTIC | N/A | N/A | N/A | |
| BASEMENT | 578 sq.ft. | 904 sq.ft. | 326 sq.ft. | |
| GARAGE | N/A | N/A | N/A | |
| TOTAL FLOOR AREA | 1,206 sq.ft. | 1,808 sq.ft. | 602 sq.ft. | MEETS REQUIREMENTS |
| MAX. PERMITTED FAR (.43 x 11,681) = 2,150 | | | | |
| * BASEMENT EXCLUDED FROM F.A.R. CALCULATIONS | | | | |



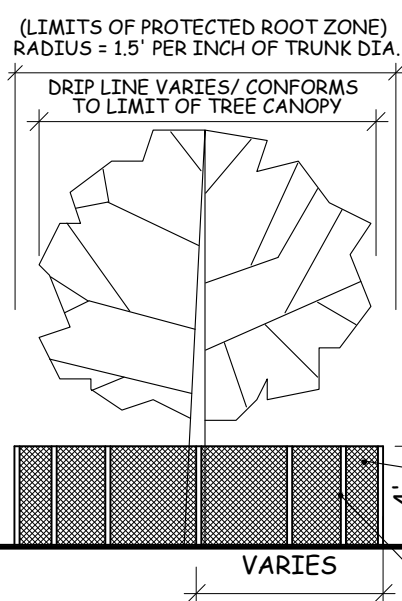
- INSTALLATION NOTE
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY & STABLE
 - MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2
 - UPON COMPLETION OF SOIL STOCKPILING EACH PILE SHALL BE SURROUNDED BY SILT FENCING OR STRAWBALED WITH VEGETATION OR COVERED
 - RE-SPECIFICATION (FROSTION CONTROL.) FOR INSTALL OF SILT FENCE

SOIL STOCKPILE DETAIL



DECK LANDING PAD

1/2" = 1'-0"

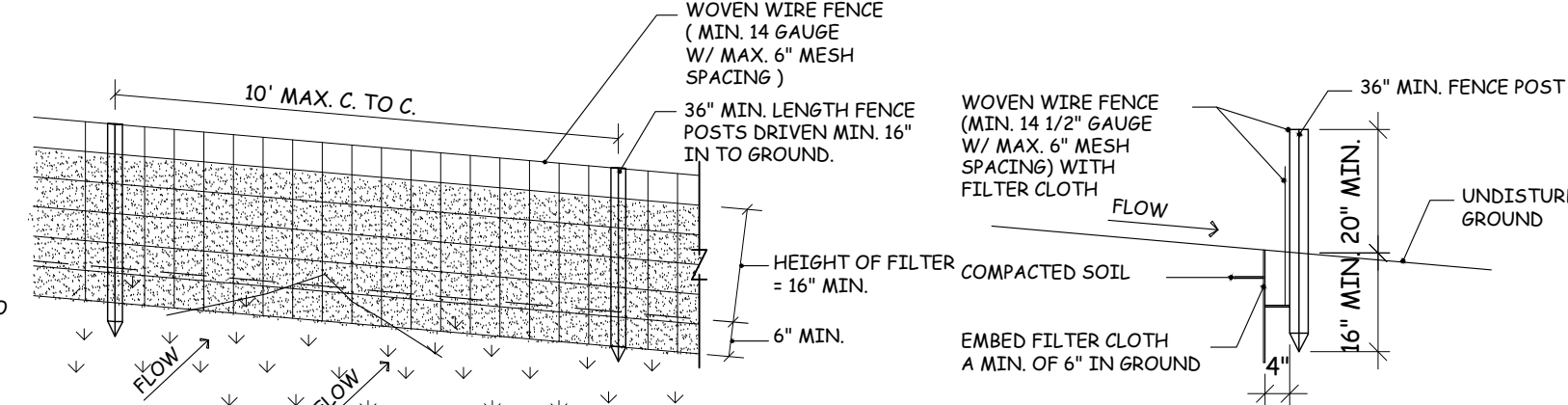


TREE PROTECTION

TREE PROTECTION NOTES:

- WHEN EXCAVATING WITHIN ANY CRITICAL ROOT ZONE, PRELIMINARY EXPLORATION SHOULD BE PERFORMED WITH AN AIR SPADE TO UNCOVER ANY ROOTS.
- WHEN ROOTS ARE ENCOUNTERED IN ANY EXCAVATION, ROOT PRUNING SHALL BE PERFORMED BY A CERTIFIED ARBORIST UTILIZING APPROVED METHODS. WHEN TRENCING FOR PIPING A ROOF LEAKERS TUNNEL UNDER ROOTS WHERE POSSIBLE & BRIDGE ROOTS GREATER THAN 1\"/>

- CONSTRUCTION SEQUENCE:
- Install erosion control and tree protection measures.
 - Excavate for new slab on grade foundations
 - Erect structure.
 - Excavate for and install infiltration system and required piping.
 - Back fill infiltration system
 - Stabilize site and install new landscaping.
 - Remove erosion control and tree protection measures.



PERSPECTIVE VIEW

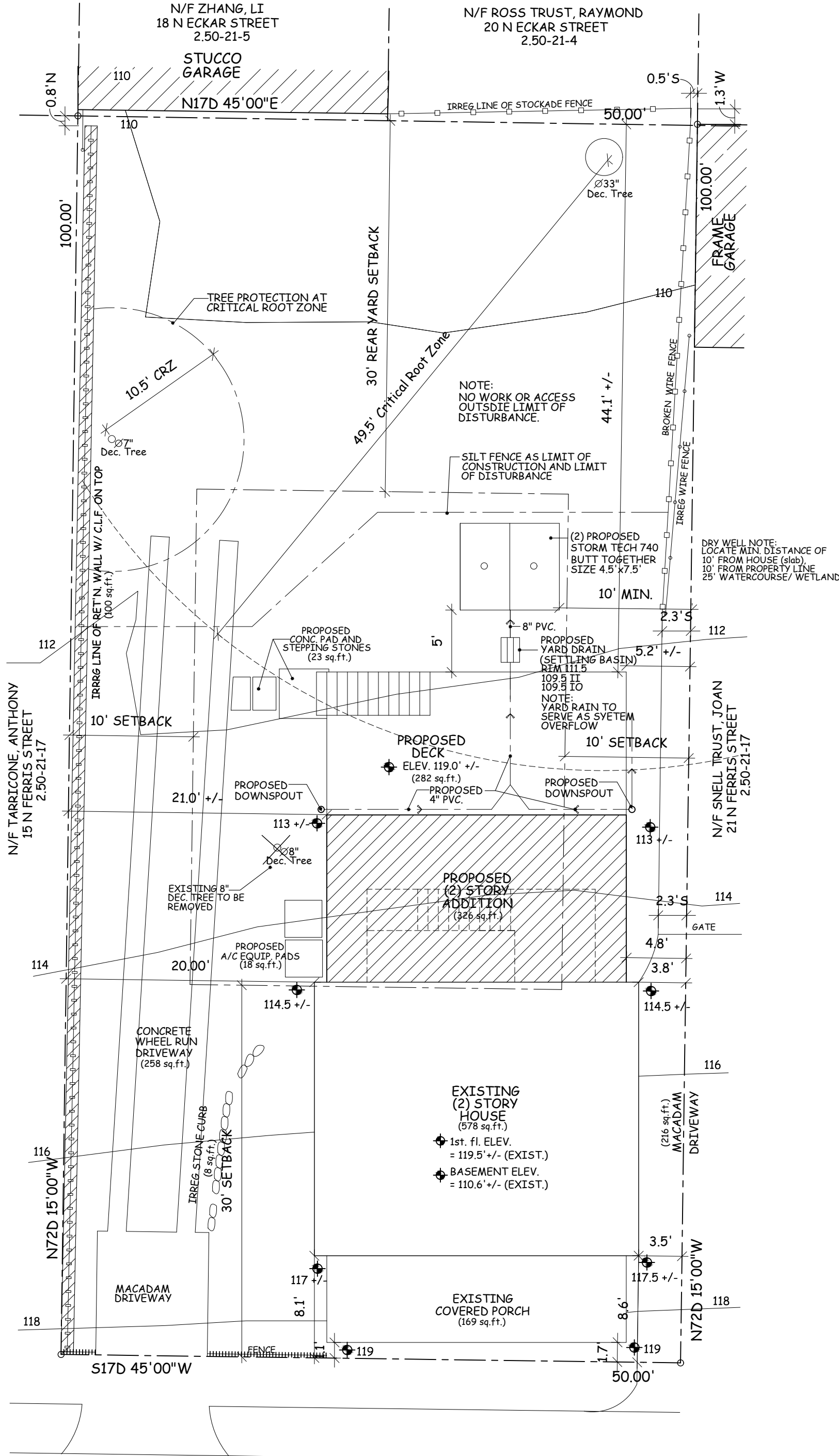
N.T.S.

CONSTRUCTION SPECIFICATIONS,

- FILTER FABRIC TO EMBEDDED IN SOIL A MIN. OF 6 INCHES
- INSPECTIONS SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- SILT FENCE TO BE REMOVED AT END OF CONSTRUCTION BUT NOT BEFORE ALL DISTURBED AREA ARE STABILIZED AND VEGETATED.
- FOR SILT FENCE INSTALLATION ON PAVED AREAS REMOVE PORTION OF ASPHALT NECESSARY TO TOE-IN THE FABRIC AND TO INSTALL THE POSTS. THE PAVEMENT HAS TO BE RESTORED BEFORE FINAL SITE CLEANING.

SILT FENCE DETAIL

N.T.S. (IF REQUIRED)



N. FERRIS STREET

SITE PLAN

1/8" = 1'-0"

SECTION-BLOCK- LOT = 2.50-21-16

LOT AREA = 5,000sq.ft. +/-

OR 0.115 AC. +/-

ZONE = 1F-5

SITE PLAN NOTES:

- NO STEEP SLOPES EXIST WITHIN THE AREA OF NEW OR EXISTING CONSTRUCTION.
- SITE PLAN BASED ON SURVEY AS PREPARED BY SUMMIT LAND SURVEYING P.C. LAND SURVEYORS DATED 12/02/2021. TOPO & SPOT ELEVATIONS BASED ON FIELD OBSERVATIONS & GIS TOPO MAPS
- NO EXISTING UTILITIES WILL BE DISTURBED BY THE PROPOSED WORK.
- EXISTING TOPOGRAPHY WILL REMAIN AS IS AND NO NEW RE-GRADING IS PROPOSED.

VILLAGE ENGINEER NOTES:

- THE BUILDING INSPECTOR OR VILLAGE ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES IF DEEMED APPROPRIATE TO MITIGATE UNFORESEEN SILTATION AND EROSION OF DISTURBED SOILS.
- AS BUILT DRAWINGS OF THE SITE IMPROVEMENTS SHALL BE SUBMITTED TO THE VILLAGE ENGINEER FOR REVIEW PRIOR TO OBTAINING CERTIFICATE OF OCCUPANCY.
- CUT / FILL MATERIAL SHALL NOT BE IMPORTED OR EXPORTED FROM THE SITE
- NO EXISTING UTILITIES WILL BE DISTURBED BY PROPOSED WORK.
- SOIL TESTING TO CONFIRM SEPARATION & INFILTRATION REQUIREMENTS SHALL BE CONDUCTED PRIOR TO CONSTRUCTION AND RESULTS SUBMITTED TO THE VILLAGE

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ADDITIONS & ALTERATIONS

HEAVEY RESIDENCE

19 N. FERRIS ST. IRVING NY10533

PROPOSED SITE PLAN

Scale AS NOTED



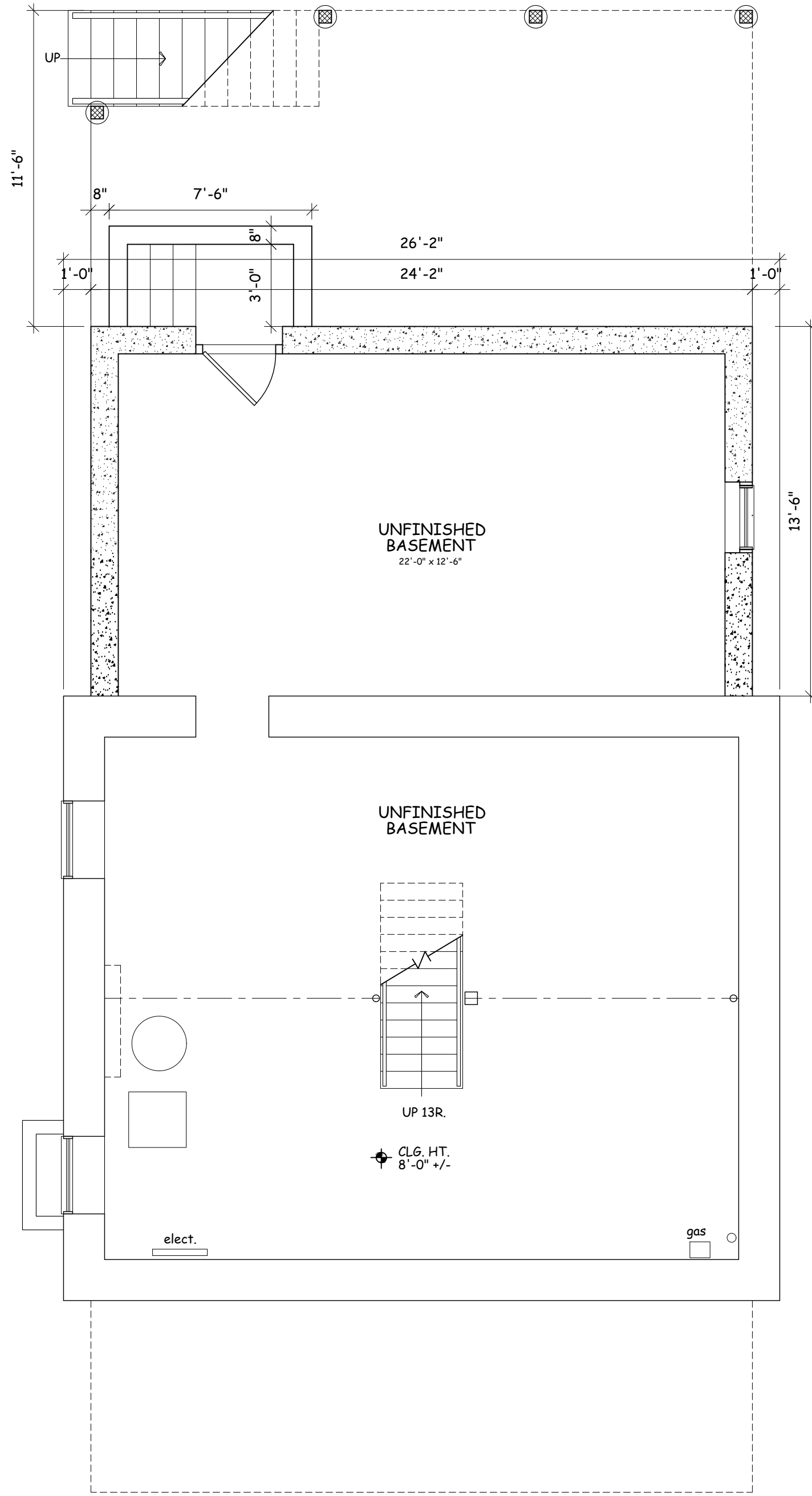
Date 4/02/21

Drawing By A.O.

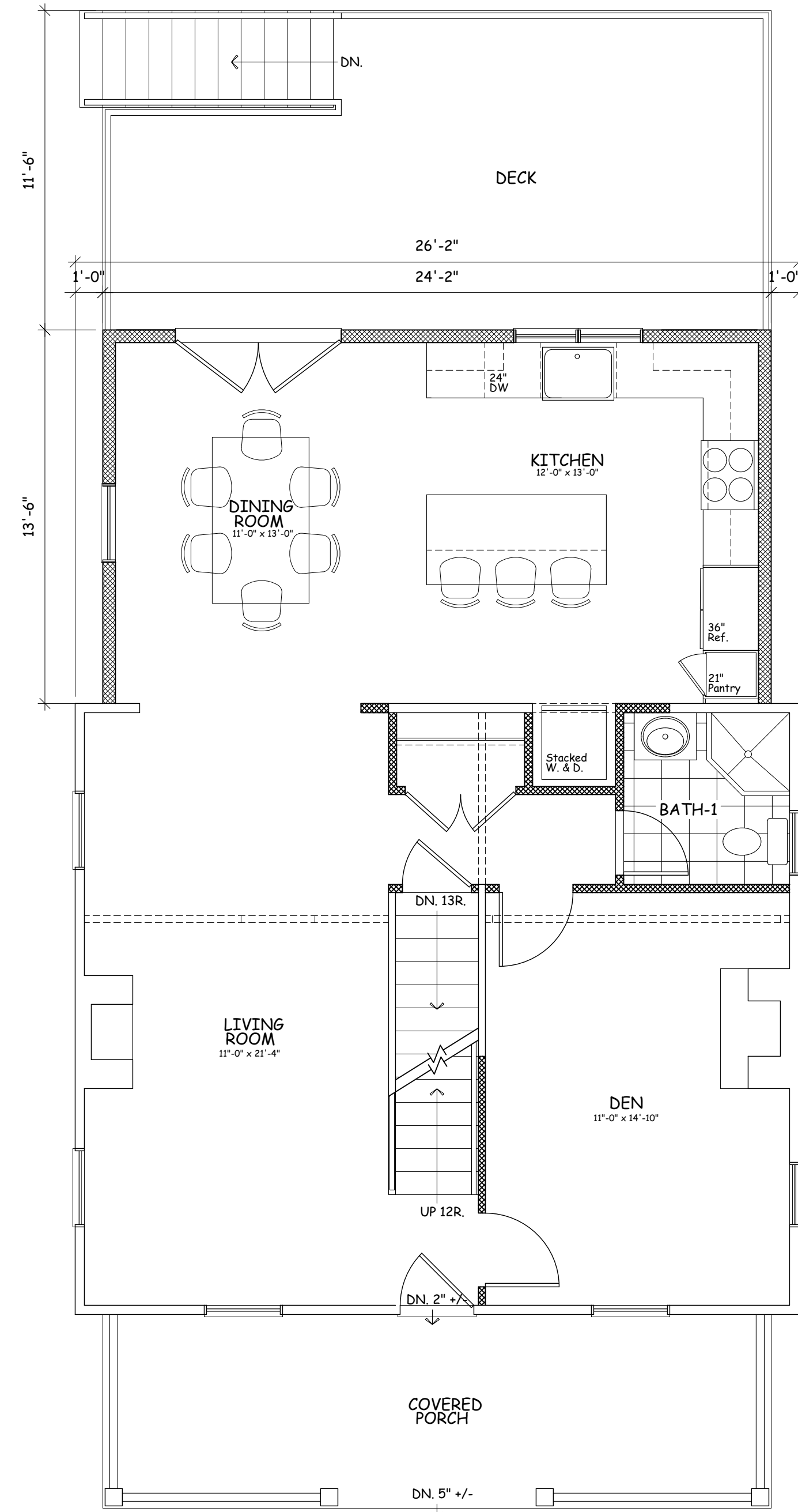
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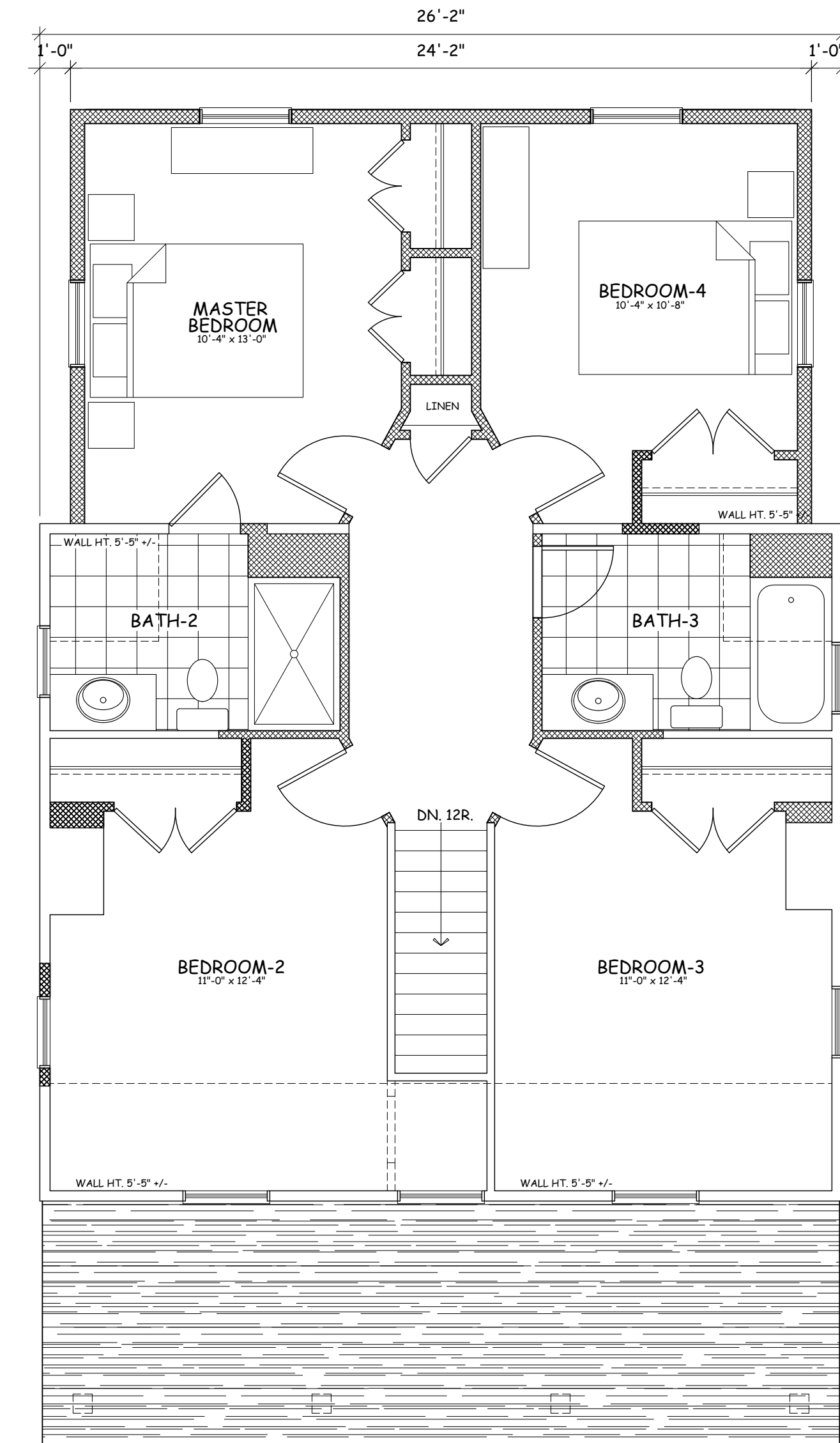
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BASEMENT PLAN
1/4" = 1'-0"



FIRST FLOOR PLAN
1/4" = 1'-0"



SECOND FLOOR PLAN
1/4" = 1'-0"

| FLOOR AREA CALCULATIONS | EXISTING | PROPOSED | INCREASE |
|-------------------------|--------------|--------------|------------|
| BASEMENT | 578 sq.ft. | 904 sq.ft. | 326 sq.ft. |
| FIRST FLOOR | 578 sq.ft. | 904 sq.ft. | 326 sq.ft. |
| SECOND FLOOR | 578 sq.ft. | 904 sq.ft. | 326 sq.ft. |
| * TOTAL FLOOR AREA | 1,156 sq.ft. | 1,808 sq.ft. | 652 sq.ft. |

BASEMENT EXCLUDED FROM FLOOR AREA

| LEGEND | |
|--------|---------------------------------|
| | WALL TO REMAIN |
| | WALL |
| | EXIST. FRAME WALL TO REMAIN |
| | NEW FRAME WALL |
| | EXIST. FRAME WALL TO BE REMOVED |

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Project Title

**ADDITIONS & ALTERATIONS
HEAVEY RESIDENCE**

19 N. FERRIS ST. IRVING NY10533

**PROPOSED
FLOOR PLANS**

Scale 1/4" = 1'-0"

Date 4/02/21
Drawing By W.P.W.

Drawing No.

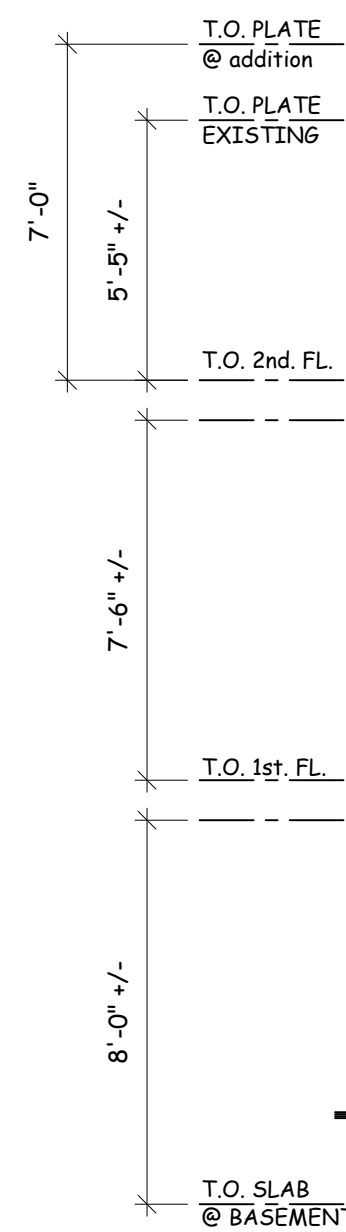
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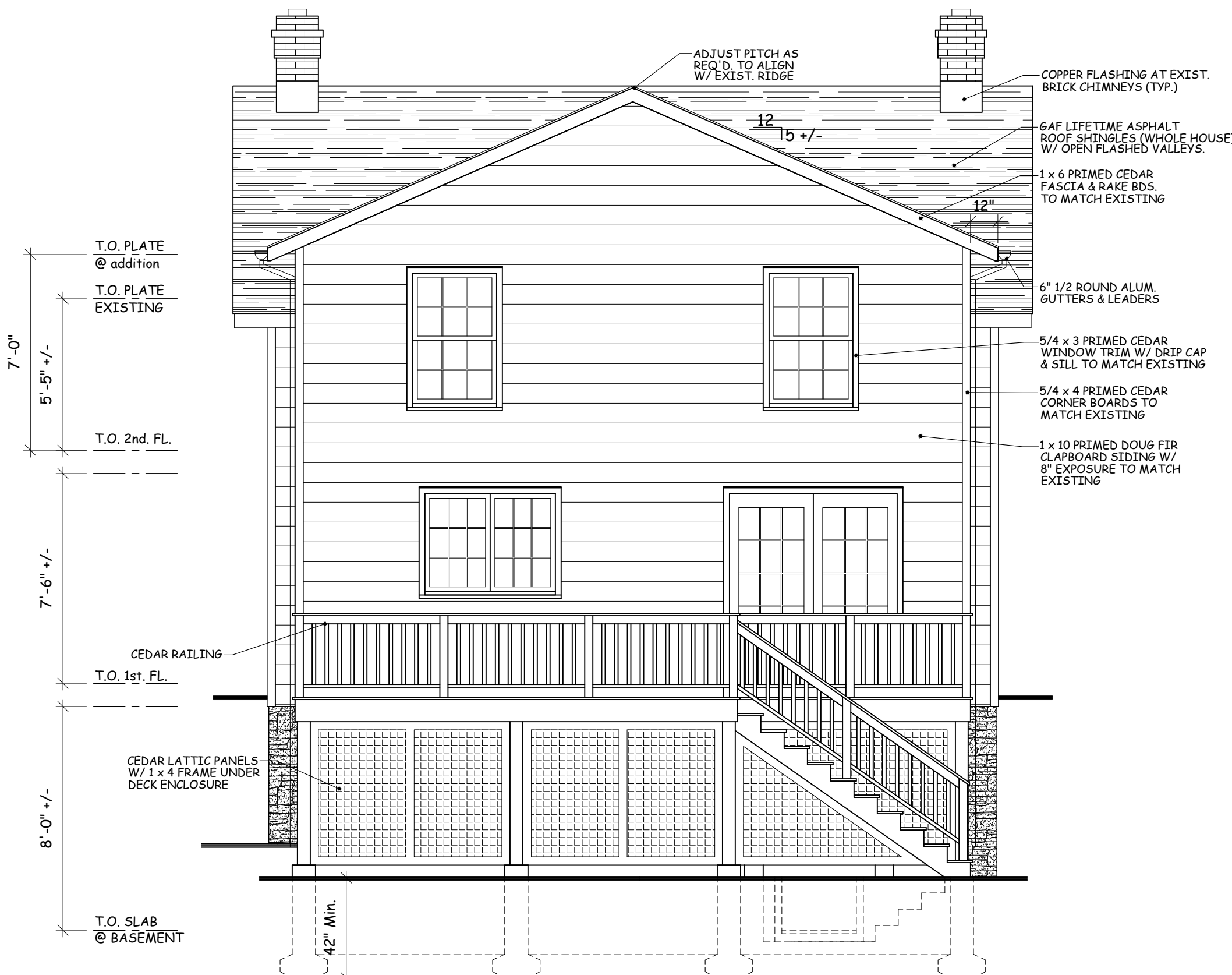
FRONT ELEVATION

1/4" = 1'-0"



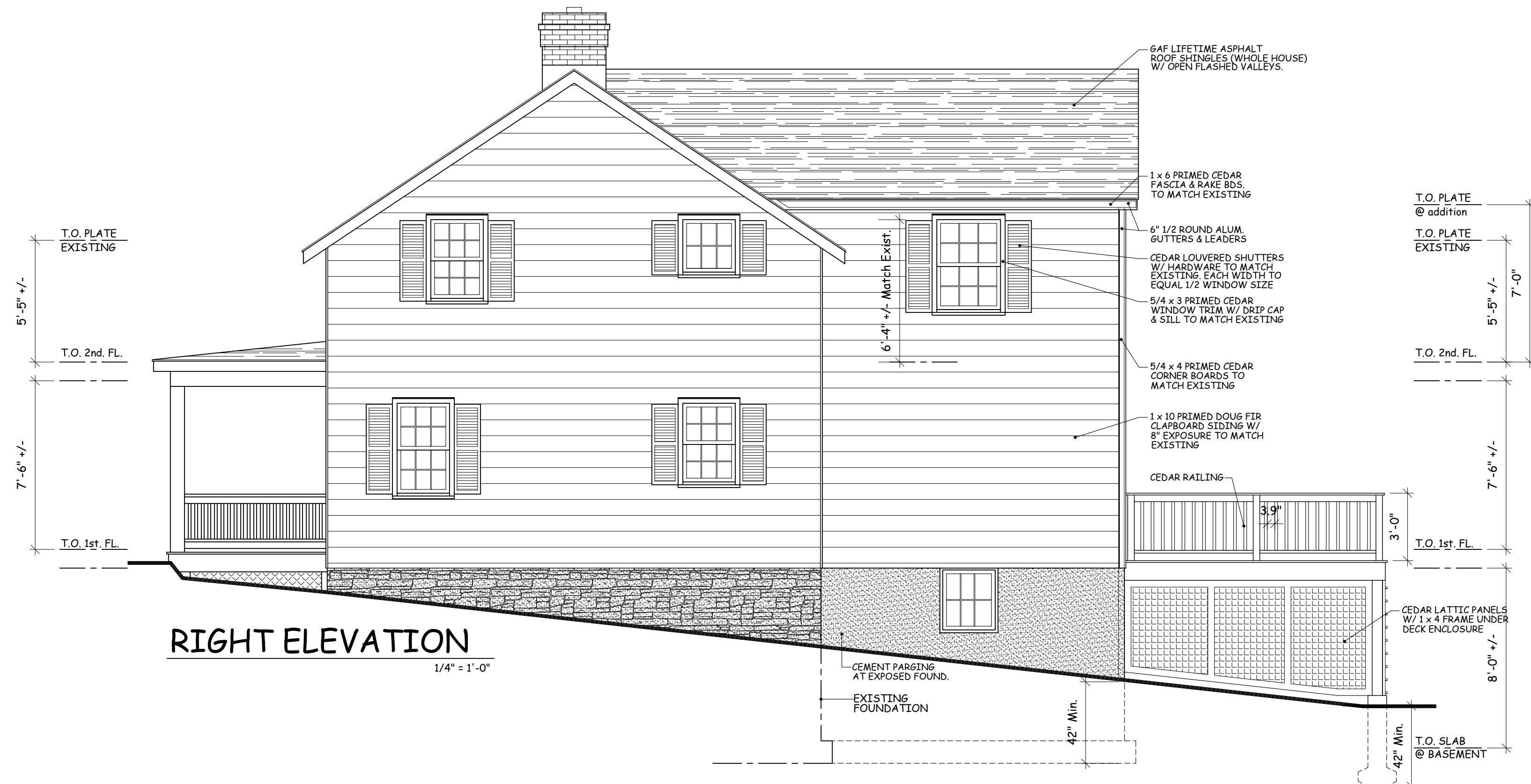
LEFT ELEVATION

1/4" = 1'-0"



REAR ELEVATION

1/4" = 1'-0"



RIGHT ELEVATION

1/4" = 1'-0"

| PROPOSED EXTERIOR MATERIALS & COLOR SCHEME | | | |
|--|--------------|----------------------------------|----------------------------|
| ITEM | NAME | TYPE | COLOR |
| SIDING | CLAPBOARD | DOUG. FIR CLAPBOARD W/ 8" EXPOS. | YELLOW - TO MATCH EXISTING |
| WINDOWS | MARVIN | WOOD DOUBLE HUNG & CASE | WHITE - TO MATCH EXISTING |
| TRIM | PRIMED CEDAR | 1 x () & 5/4 x () AS PER ELEV. | WHITE - TO MATCH EXISTING |
| DOORS | PATIO DOOR | WOOD FRENCH DOOR | WHITE |
| ROOFING | ASPHALT | LIFETIME ARCHITECTURAL SHINGLE | WEATHERED WOOD |
| GUTTERS | 1/2 ROUND | ALUMINUM GUTTERS & LEADERS | WHITE |
| DECKING | TREX | TRANSCEND COMPOSITE DECKING | SPICED RUM |
| RAILING | PRIMED CEDAR | AS PER DETAIL | WHITE |
| LATTICE | CEDAR | LATTICE PANEL IN 1 x 4 FRAME | WHITE |

- GENERAL NOTES:
- IT IS THE INTENTION OF THESE DRAWINGS TO REQUIRE THAT NEW EXTERIOR MATERIALS, METHODS AND DETAILS MATCH EXISTING TO THE GREATEST EXTENT POSSIBLE. NOTIFY OWNER & ARCHITECT IF EXACT MATCHING CAN NOT BE ACHIEVED.
 - ALL CEDAR CLAPBOARD SIDING TO BE SUPPLIED AS PRIMED PAINT GRADE.
 - ALL EXTERIOR TRIM TO BE PRIMED CEDAR OR EQUAL (PAINTED)
 - PROVIDE OWNER W/ SAMPLES OF ROOFING, SIDING, & DECKING PRIOR TO PURCHASE & INSTALLATION
 - SEE SEPARATE DRAWINGS FOR DETAILS, MATERIALS, AND NOTES.
 - BACKFILL TO PROVIDE POSITIVE DRAINAGE AWAY FROM HOUSE, MAINTAIN A MIN. 8" EXPOSED FOUND. (TYPICAL)
 - REFER TO ELEVATIONS FOR WINDOW AND EXTERIOR DOOR SIMULATED DIVIDED LIGHT PATTERNS PRIOR TO ORDERING.

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Project Title
**ADDITIONS & ALTERATIONS
HEAVEY RESIDENCE**
19 N. FERRIS ST. IRVING NY10533

**PROPOSED
ELEVATIONS**

Scale 1/4" = 1'-0"



Date 5/06/21
Drawing By W.P.W.

Drawing No.

A-201

THESE DOCUMENTS ARE INSUFFICIENT FOR CONSTRUCTION. SEE SET AND SIGNATURE OF THE ARCHITECT OF RECORD.

| SCALE COMPARISON | | | based on property card / public info. garages over 250 sq.ft. included | | House, detached structures and covered porches (w/o walks & uncovered patios) | |
|---|------------------------------------|--|---|--|---|--|
| ADDRESS | LOT SIZE | FLOOR AREA | F.A.R. | LOT COVERAGE | % of LOT | |
| 19 N FERRIS ST. <small>As per property card w/o attic, walks or patios</small> | 0.115 AC. +/- 5,000 sq.ft. +/- | 1,206 sq.ft. Existing 1,808 sq.ft. Proposed | .242 .361 | 980 sq.ft. Existing 1,481 sq.ft. Proposed | 19.6% 29.6% | |
| 11 N FERRIS ST. | 0.115 AC. +/- 5,000 sq. ft. +/- | 1,564 sq.ft. House 880 sq.ft. Garage | .488 | 2,199 sq.ft. | 43.9% | |
| 15 N FERRIS ST. | 0.115 AC. +/- 5,000 sq. ft. +/- | 2,463 sq.ft. House 664 sq.ft. Garage | .625 | 1,959 sq.ft. | 39.1% | |
| 21 N FERRIS ST. | 0.06 AC. +/- 2,500 sq. ft. +/- | 1,183 sq.ft. House 22 sq.ft. Garage | .482 | 1,062 sq.ft. | 42.4% | |
| 25 N FERRIS ST. | 0.115 AC. +/- 5,000 sq. ft. +/- | 2,346 sq.ft. House 326 sq.ft. Garage | .534 | 2,281 sq.ft. | 45.6% | |
| 10 N ECKAR ST. | 0.115 AC. +/- 5,000 sq. ft. +/- | 1,583 sq.ft. House 0 sq.ft. Garage | .316 | 1,184 sq.ft. | 23.6% | |
| 14 N ECKAR ST. | 0.06 AC. +/- 2,670 sq. ft. +/- | 1,382 sq.ft. House 0 sq.ft. Garage | .517 | 963 sq.ft. | 36.0% | |
| 16 N ECKAR ST. | 0.05 AC. +/- 2,270 sq. ft. +/- | 1,519 sq.ft. House 0 sq.ft. Garage | .669 | 943 sq.ft. | 41.5% | |
| 18 N ECKAR ST. | 0.06 AC. +/- 2,500 sq. ft. +/- | 3,663 sq.ft. House 0 sq.ft. Garage | 1.465 | 2,348 sq.ft. | 93.9% | |
| 20 N ECKAR ST. | 0.06 AC. +/- 2,500 sq. ft. +/- | 2,210 sq.ft. House 0 sq.ft. Garage | .884 | 1,868 sq.ft. | 74.7% | |
| 24 N ECKAR ST. | 0.115 AC. +/- 5,000 sq. ft. +/- | 1,752 sq.ft. House 146 sq.ft. Garage | .379 | 1,446 sq.ft. | 28.9% | |

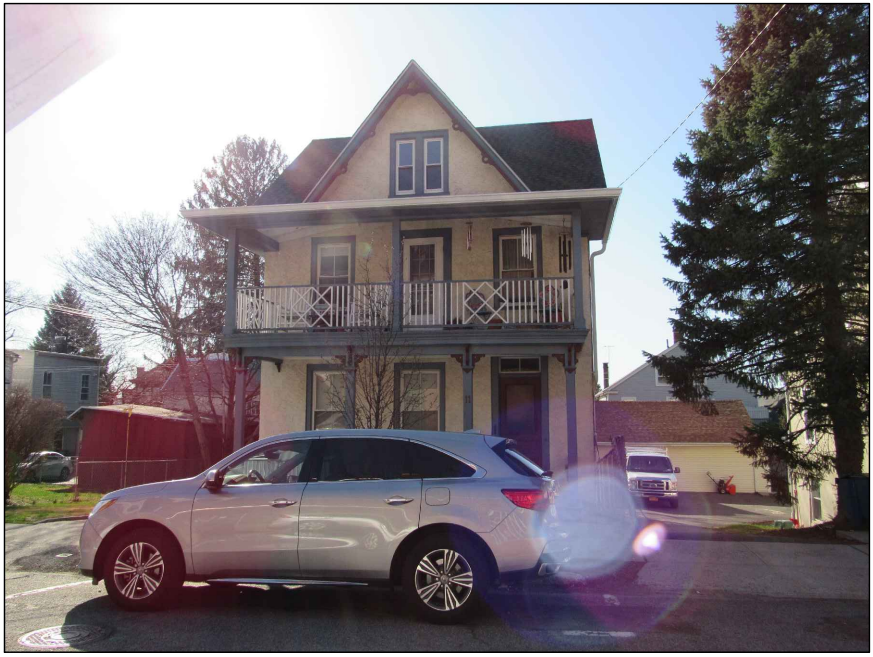
- NOTES:
- ADJACENT HOUSE LOCATIONS & SIZES BASED ON THE FOLLOWING:
 - VILLAGE OF IRVINGTON WEBSITE AND G.I.S. MAPPING INFORMATION.
 - TOWN OF GREENBURGH WEBSITE AND GIS INFORMATION, INCLUDING PROPERTY CARD AND G.I.S. MAPPING
 - LOT COVERAGE FOR ADJACENT PROPERTIES ONLY INCLUDES STRUCTURES AND ATTACHED PORCH FOOTPRINTS FROM AVAILABLE DATA. EXCLUDES WALKWAYS, DECKS & UNCOVERED PATIOS
 - FLOOR AREA AREA (F.A.R.) FOR ADJACENT PROPERTIES ONLY INCLUDES MAIN HOUSE & DETACHED STRUCTURES SIZE OVER 250 sq.ft. EXCLUDES BASEMENTS & ATTIC SPACE



19 N. FERRIS ST. FRONT



19 N. FERRIS ST. REAR



11 N. FERRIS ST.



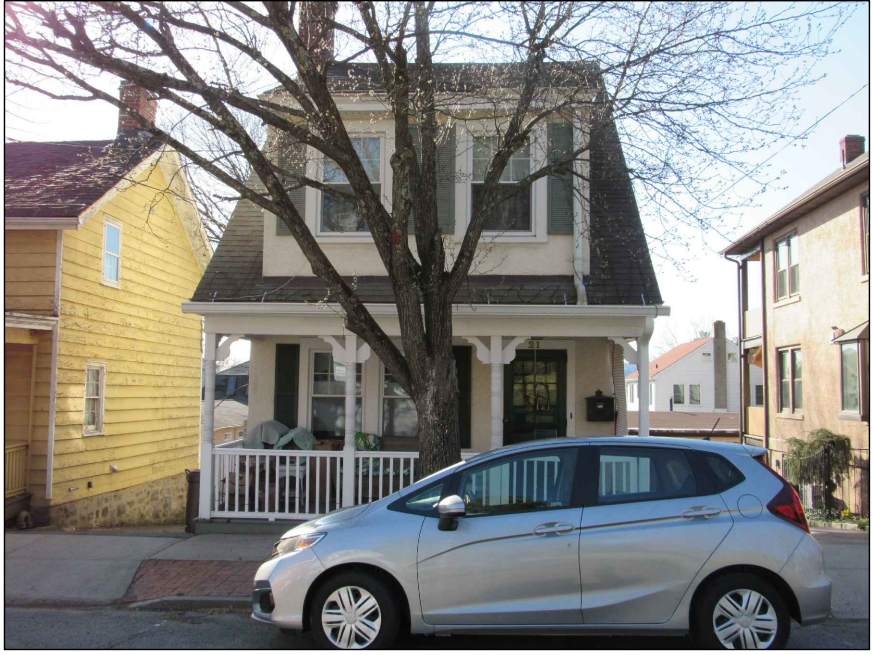
15 N. FERRIS ST.



19 N. FERRIS ST. RIGHT SIDE



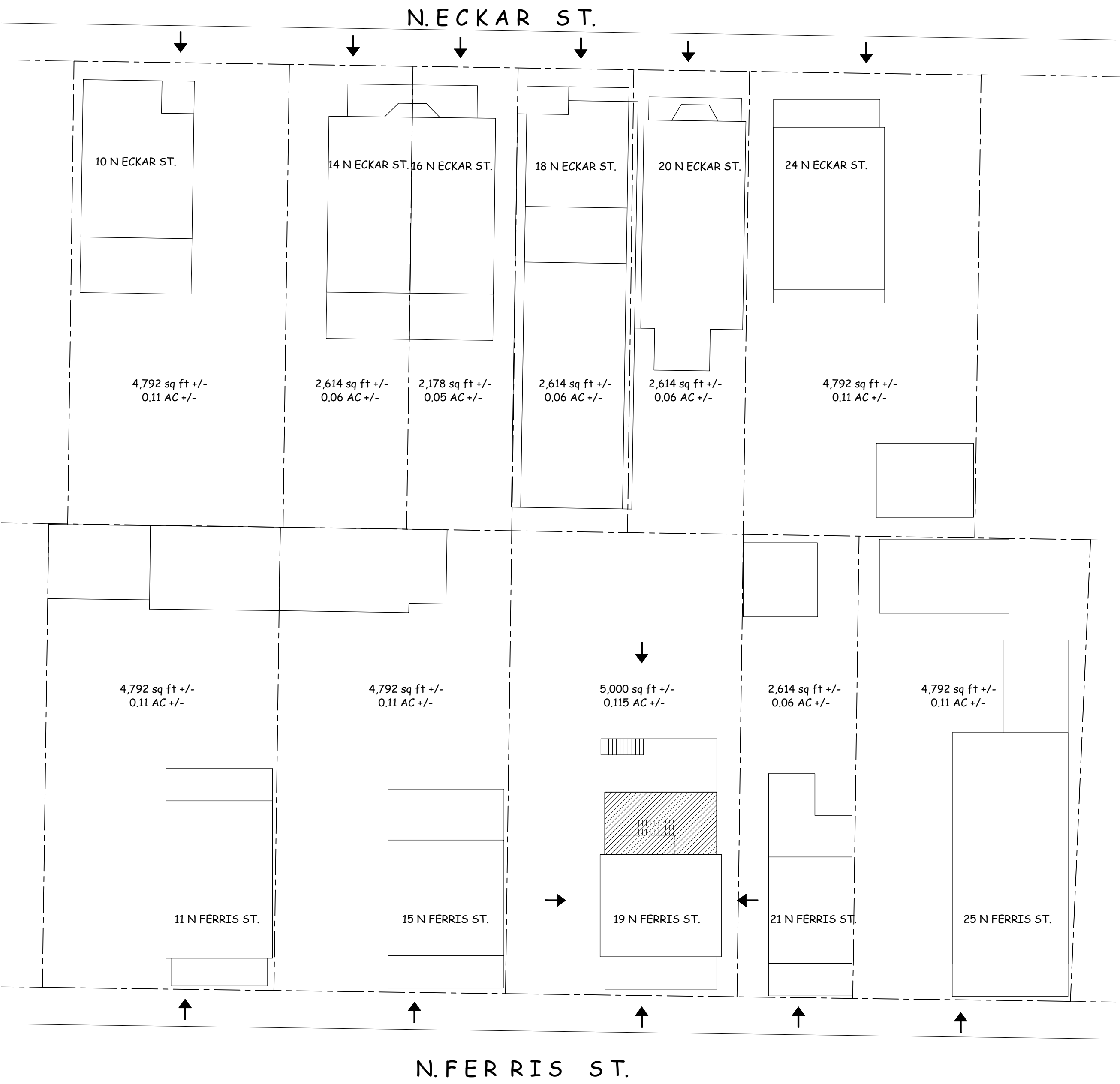
19 N. FERRIS ST. LEFT SIDE



21 N. FERRIS ST.



25 N. FERRIS ST.



10 N. ECKAR ST.



14 N. ECKAR ST.



16 N. ECKAR ST.



18 N. ECKAR ST.



20 N. ECKAR ST.



24 N. ECKAR ST.



AERIAL VIEW

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Project Title

ADDITIONS & ALTERATIONS
HEAVEY RESIDENCE
19 N. FERRIS ST. IRVING NY10533

AERIAL VIEW,
PHOTOGRAPHS &
NEIGHBORHOOD
SCALE
COMPARISON

Scale NOT TO SCALE

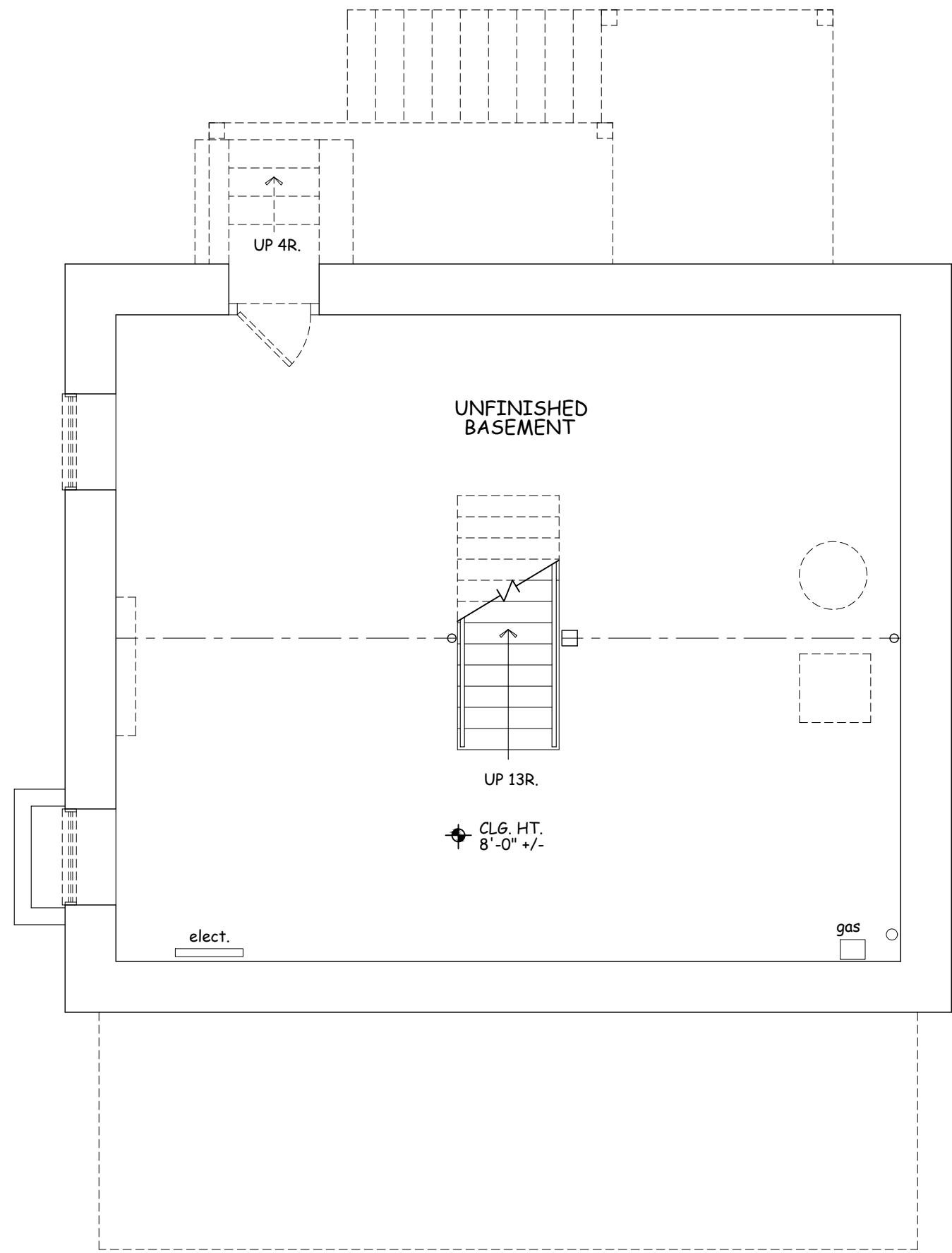


Date 04/02/21
Drawing By A.O.

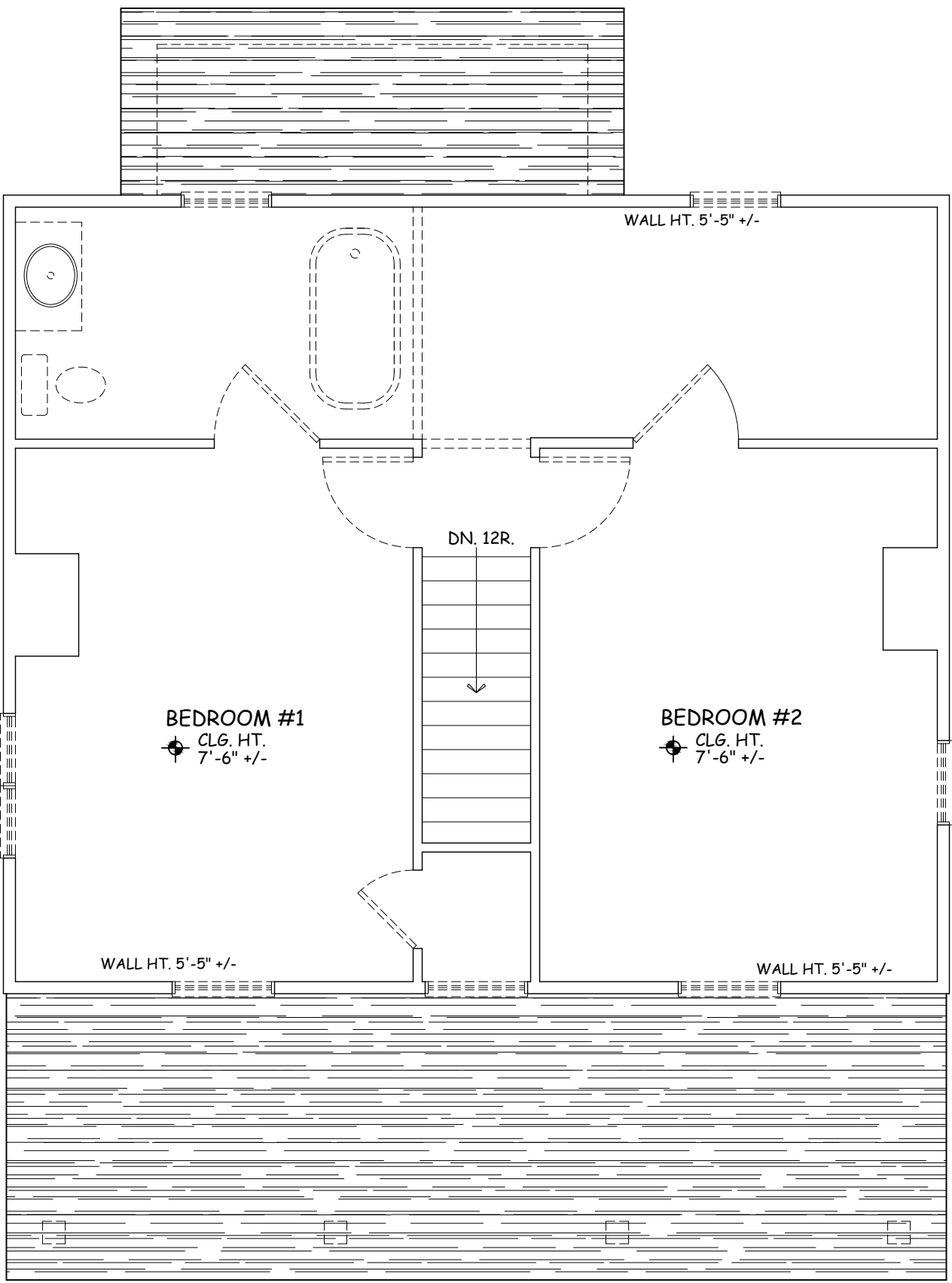
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PB-1

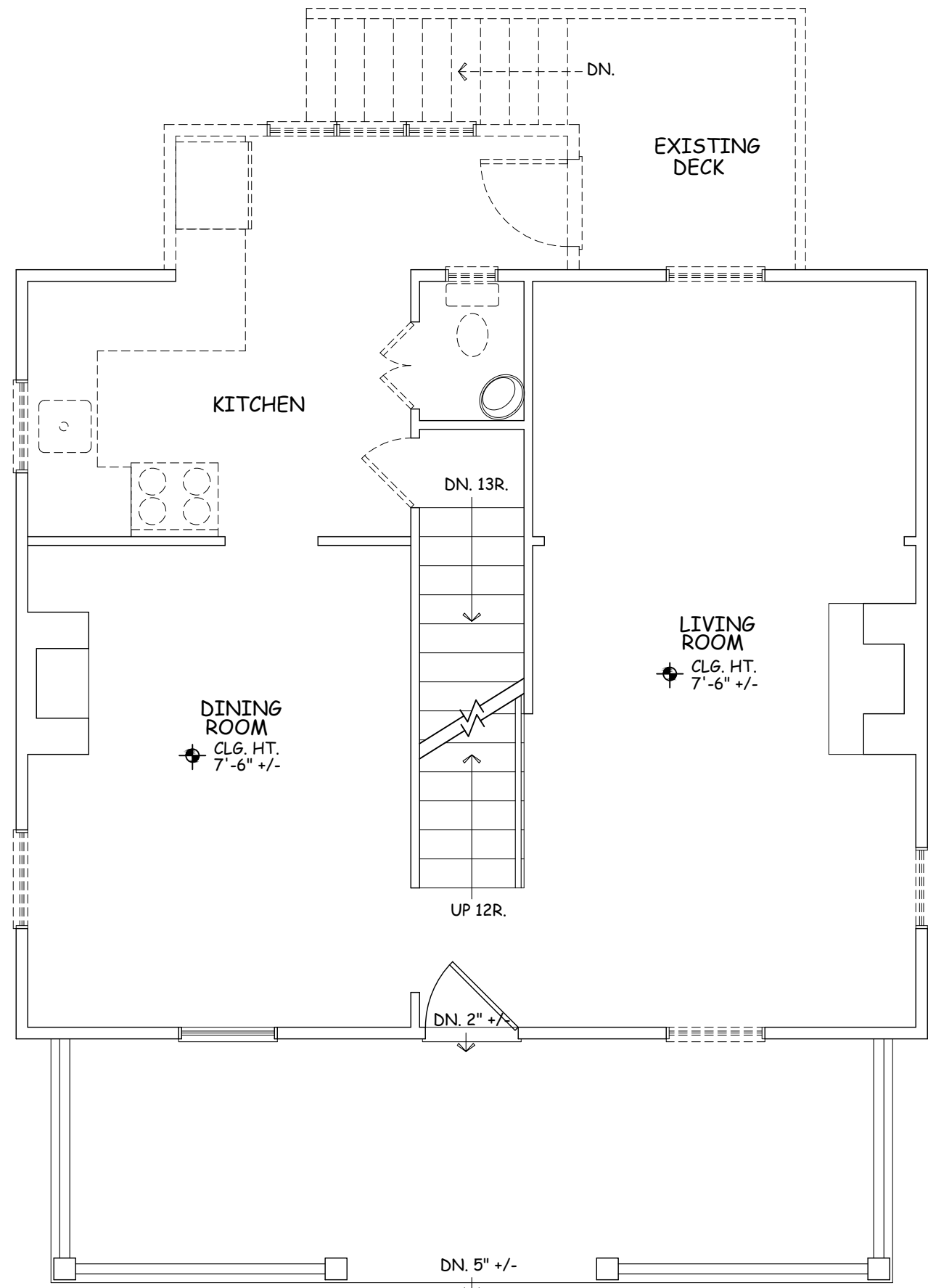
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BASEMENT PLAN
1/4" = 1'-0"

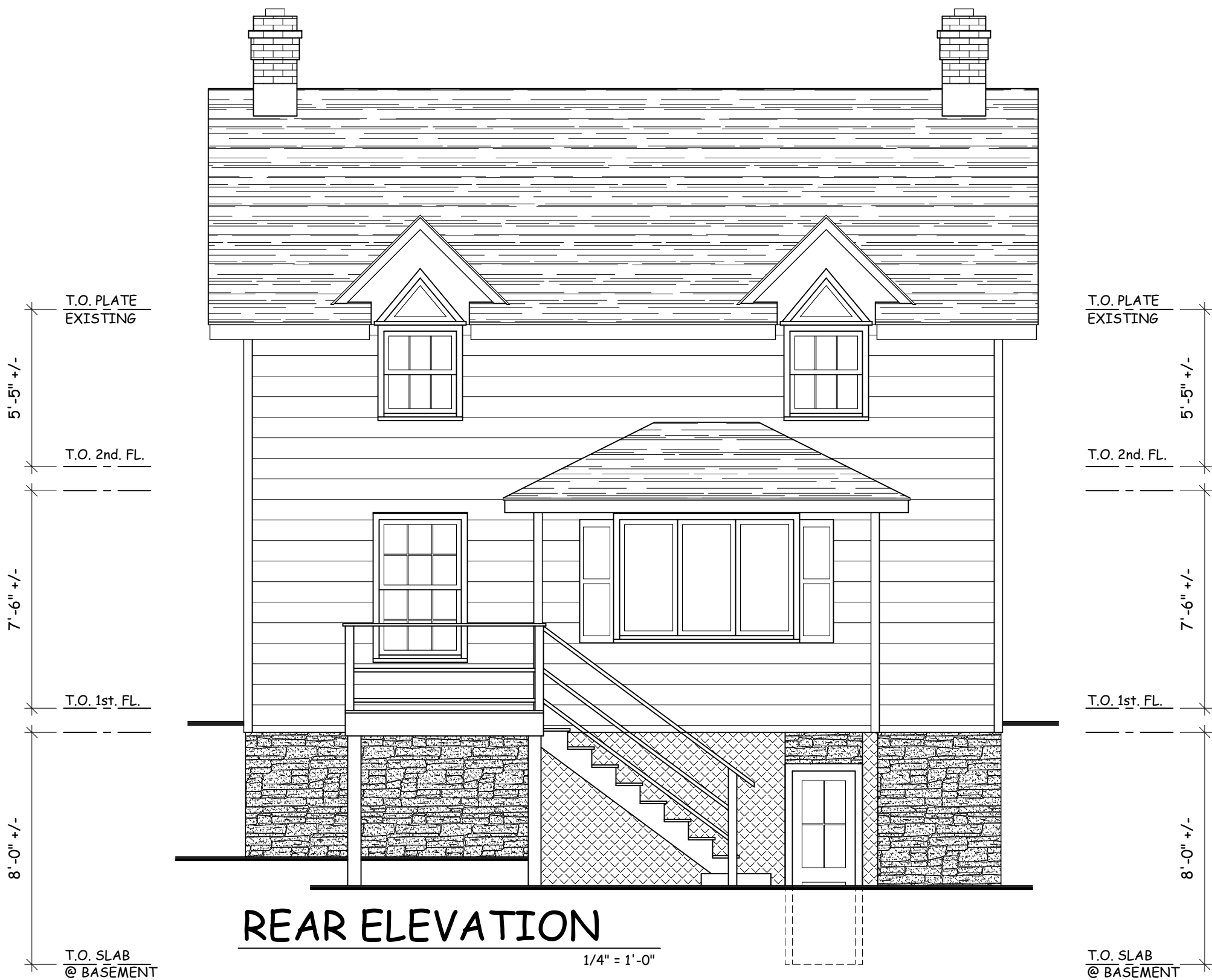


SECOND FLOOR PLAN
1/4" = 1'-0"



FIRST FLOOR PLAN
1/4" = 1'-0"

- LEGEND**
- EXIST. CONC. FOUNDATION WALL TO REMAIN
 - EXIST. CONC. FOUNDATION WALL TO BE REMOVED
 - EXIST. FRAME WALL TO REMAIN
 - EXIST. FRAME WALL TO BE REMOVED



REAR ELEVATION
1/4" = 1'-0"



RIGHT ELEVATION
1/4" = 1'-0"



FRONT ELEVATION
1/4" = 1'-0"



LEFT ELEVATION
1/4" = 1'-0"

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**ADDITIONS & ALTERATIONS
HEAVEY RESIDENCE**
19 N. FERRIS ST. IRVING NY10533

**EXISTING
CONDITIONS**

Scale 1/4" = 1'-0"



Date 1/28/21
Drawing By A.O.

Drawing No.

X-101

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