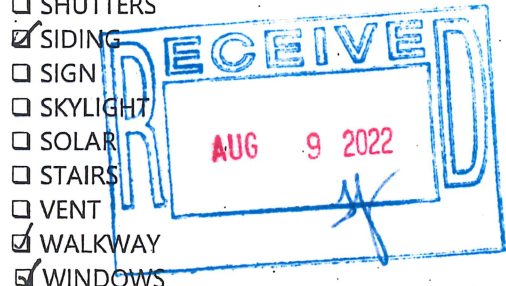


Application #: HPC 2022-131

Application Date: _____

Historic Preservation Commission Certificate of Appropriateness Application

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> AC UNIT | <input type="checkbox"/> GATE | <input checked="" type="checkbox"/> RAILINGS |
| <input type="checkbox"/> ADDITION | <input type="checkbox"/> GENERATOR | <input type="checkbox"/> RETAINING WALL |
| <input type="checkbox"/> ARBOR | <input type="checkbox"/> GUTTERS & LEADERS | <input checked="" type="checkbox"/> ROOF |
| <input type="checkbox"/> AWNING | <input type="checkbox"/> HOT TUB | <input type="checkbox"/> SATELLITE DISH |
| <input type="checkbox"/> BALCONY | <input checked="" type="checkbox"/> LATTICE | <input type="checkbox"/> SHED |
| <input type="checkbox"/> CHIMNEY | <input checked="" type="checkbox"/> LIGHT FIXTURE | <input type="checkbox"/> SHUTTERS |
| <input checked="" type="checkbox"/> COLUMNS | <input checked="" type="checkbox"/> NEW CONSTRUCTION | <input checked="" type="checkbox"/> SIDING |
| <input type="checkbox"/> DECK | <input type="checkbox"/> ORNAMENTATION | <input type="checkbox"/> SIGN |
| <input type="checkbox"/> DOOR REPLACEMENT | <input type="checkbox"/> OUTDOOR SHOWER | <input type="checkbox"/> SKYLIGHT |
| <input type="checkbox"/> DRIVEWAY | <input checked="" type="checkbox"/> PAINT | <input type="checkbox"/> SOLAR |
| <input type="checkbox"/> EXTERIOR ALTERATIONS | <input type="checkbox"/> PATIO | <input type="checkbox"/> STAIRS |
| <input type="checkbox"/> FENCE | <input type="checkbox"/> PIERS | <input type="checkbox"/> VENT |
| <input type="checkbox"/> FLAGS / BANNERS | <input checked="" type="checkbox"/> PORCH | <input checked="" type="checkbox"/> WALKWAY |
| <input checked="" type="checkbox"/> FOUNDATION | <input type="checkbox"/> PORCH FAN | <input checked="" type="checkbox"/> WINDOWS |
| <input type="checkbox"/> OTHER _____ | | |



Please complete this application in its entirety.

Before submission of an application, the applicant is encouraged to review the Ocean Grove Historic District Architectural Design Guidelines for Residential Structures or Commercial Buildings and read the entire attached Information Sheet. The Guidelines are available online at www.neptunetownship.org. Please type or print legibly with ink. Incomplete applications will not be accepted.

REQUIRED INFORMATION: *With each application, you are required to submit color photos of the property, and, depending on the scope of work proposed, architectural plans or sketches, material samples, color samples, catalog cuts, or any other useful references for review. Once your application is scheduled for a meeting, you may be required to submit additional information or copies of your application and other submitted documents.*

PROPERTY IDENTIFICATION

ADDRESS: 127 Inskip Ave.
BLOCK: 287 LOT: 6 QUALIFIER: _____

OWNER INFORMATION

NAME(S): Drost Investments LLC
ADDRESS: 57 Columbus Ave. Edison NJ 08817
PHONE: 232 336 0780 EMAIL: scott.drost57@gmail.com

APPLICANT INFORMATION

Check if same as Owner
NAME(S): Dm merseles COMPANY: Merseles Const LLC
ADDRESS: 124 Clark Ave. ocean Grove.
PHONE: 732 322 2770 EMAIL: merselesconst@aol.com

APPLICANT CAPACITY – IF OTHER THAN OWNER (Check one):

Lessee Agent Architect Contractor Attorney Other: _____

PROPERTY INFORMATION

PROPERTY TYPE (Check one):

Single Family Multifamily: _____ Units Commercial Condo Mixed Use

ARCHITECTURAL PERIOD / YEAR BUILT: 2022 ARCHITECTURAL STYLE: Victorian - Seaside Eclectic

Does your project include demolition of 15% or more of exterior of existing structure? YES NO

If YES: you must apply for a Demolition Permit prior to applying for a Certificate of Appropriateness.

Do you have Zoning Department approval for this project? YES NO N/A

ZONING PERMIT ID# (from Zoning Permit): 558211132 DATE APPROVED: 7-20-22

Please Note: If Zoning approval is required for the work described on your application, your application will remain incomplete until Zoning approval is received. **Incomplete applications will not be accepted.**

Describe all proposed work to be conducted on subject property below. Be sure to include all colors and materials to be used. Attach additional pages if necessary.

NEW CONSTRUCTION OF Single Family Dwelling
SEE ATTACHED DETAILED NOTES OF
PICTURES, CUT SHEETS, COLORS, MATERIALS,
STREET SCAPES, ETC.

By signing this application, the Applicant and Owner agree to the following:

- Property site visits by Neptune Township Staff, HPC Members and HPC Professionals until the project has been deemed to be complete.
- The information herein is correct and complete to the best of your knowledge.
- The HPC or HPC Application Review Team may require additional information for your application to be considered complete.

By signing this application, the Owner authorizes the listed Applicant to appear as their representative at a public hearing before the Commission.

Scott Drost

OWNER NAME - Please PRINT

[Signature]

OWNER SIGNATURE

8-7-22

DATE

Don Mercedes

APPLICANT NAME - Please PRINT

[Signature]

APPLICANT SIGNATURE

8-7-22

DATE

Tech Review Notes for 127 Inskip Ave.

- New Single Family Residence

Windows - Anderson/400 series with no grills/white with screens

Exterior Window Trim - 1' X 4' Azek Trim Boards ; Head shall extend past legs by 3/4" on both sides. Head shall have crown molding. Trim to be painted low luster white.

Siding - Hardie Plank Smooth

- First and Second Floor to be Mountain Sage
- Third Floor Gable and Dormer to be Cream

Trim - To be Azek in White / low luster

Roof - GAF Timberline Williamsburg Slate (Color)

Porch Posts - 4" X 4" wrapped in Azek (white)

- Porch Railings - First Floor / all cedar spindles are 1.5" X 1.5", 4" on center, railing is 30" high
- Top Rail to be painted to match Mountain Sage Hardie Board (low luster finish)
 - Railings to be the same, except for the height which is to be 36"
 - First Floor Porch and back door landing to be 5/4 " X 3.5" mahogany, to be finished in Spar (Marine) Varnish, Gloss Finish
 - Second Floor to be Fiber Glass Coated in Color, Sand



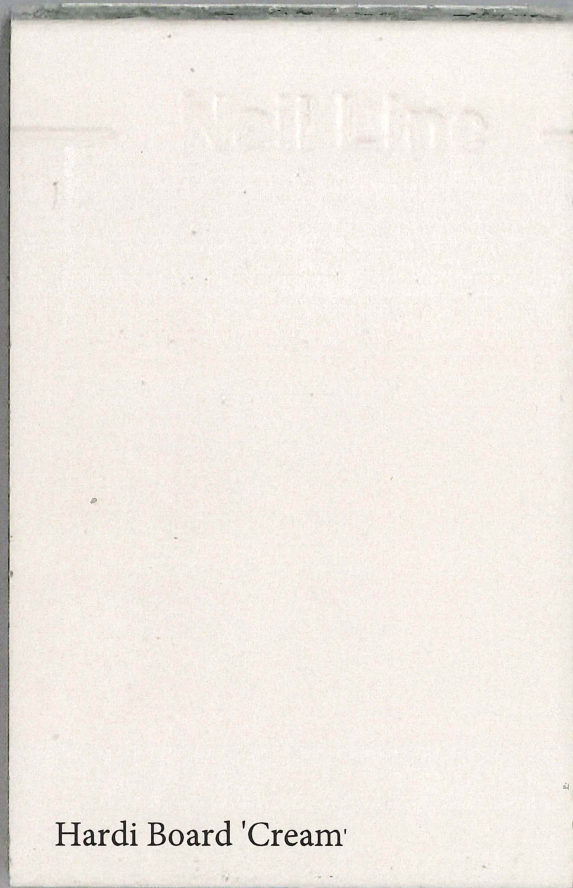
Lighting - Maxim Lighting; Portside Oil Rubbed Bronze Outdoor Ceiling Light for porches

Addendum to Application for 127 Inskip Ave., Ocean Grove
Zoning Permit ID # 558211132
Date of Approval 7/20/2022

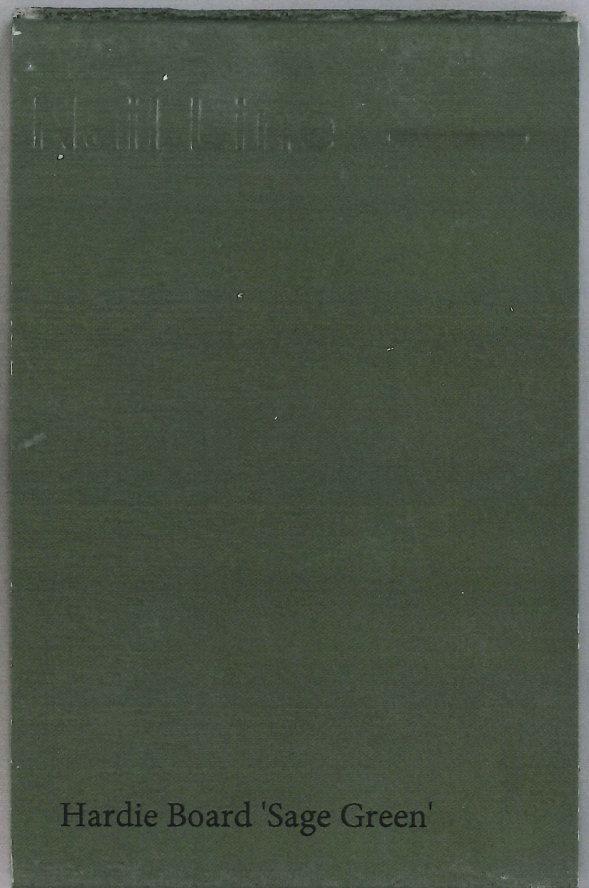
Drost Investments, LLC
Don Merseles, Contractor

Changes after a concept and 3 tech reviews with the HPC team are as follows:

1. The back deck has been eliminated and a 4' X 2' shed roof has been added over the rear door as per advice by the HPC team.
2. The front gable roof over the second floor porch has been lowered.
3. Several window sizes have been changed as per plans on the second floor and attic.
4. Gingerbread moldings on all floors has been removed and column, stick style brackets have been added as per suggestions by the HPC tech review team.
5. Lighting fixtures have been changed as per advice by the HPC tech review team.
6. Third floor (attic) dormers have been made smaller as per advice by the HPC tech review team.



Hardi Board 'Cream'



Hardie Board 'Sage Green'

127 Inskip Avenue House Colors

Hardie Plank Smooth

First and Second Floor to be Mountain Sage (Green)

Third Floor Gable & Dormer to be Cream

127 Inskip Streetscape



Lot and house across the street of both open lots. 180 Whitefield



Lots (2) 127 and 129 Inskip Ave.
Above and below



119 Inskip Ave. which is right next door.



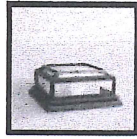
120 & 122 Inskip, across the street.



109 Inskip



+ ZOOM IN

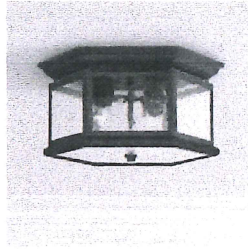


Feiss Shepherd 13"W
Weathered Zinc Outdoor
Ceiling Light - Style #
8N698

More Like This | [View All](#)



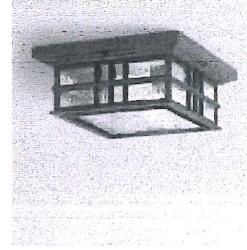
\$394.97



\$289.00

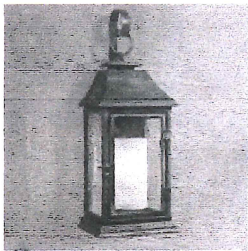


\$136.00



\$161.24

Related Items



\$359.97



\$239.97



\$289.97



\$594.98

Questions & Answers

Have a question about this? Ask people who own it.

Start typing and see existing answers. [Learn More](#)

1 Question

Sort by: **Most Helpful** ▾

How do you access bulbs to replace them?
0

A Shopper Sep 24, 2020

Best Answer: You can remove bottom of light to change bulb.

Justin Z. STAFF Sep 25, 2020

▾ [See 1 Answer](#) [Answer](#)

Customer Reviews

Review For a Chance to Win \$500.00! [view rules](#)

3.0 out of 5 stars

1 Rating

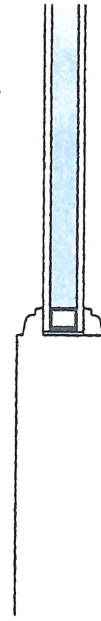


0%

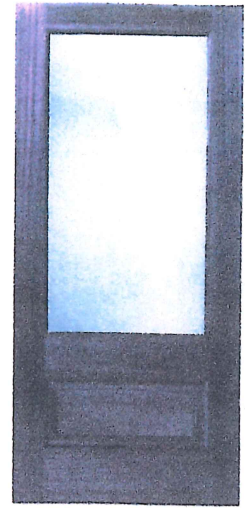
Doors

Front Door, Second Story Porch Doors (2) and Back Door

Reeb Fir Wood Door - See Photo
SM7501LE



Glass Profile



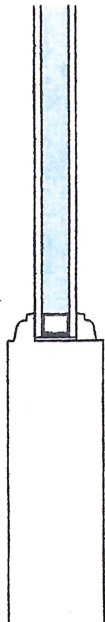
SM7501LE

Low-E
1-7/16" Double Hip
Raised Panel
Wide Layout
Ovolo Sticking

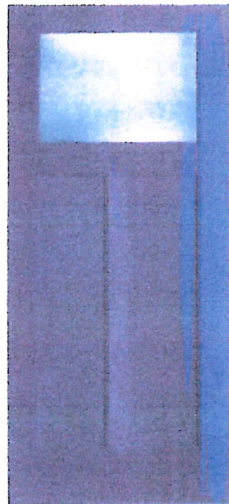
2/6 x 6/8	2/6 x 8/0
2/8 x 6/8	2/8 x 8/0
3/0 x 6/8	3/0 x 8/0

Alley Door

Reeb Fir Wood Door - See Photo
F6801LE



Glass Profile



F6801LE

Low-E
3/4" Flat Panel
Wide Layout
Ovolo Sticking

10 x 6/8
10 x 8/0



Fee Date: 07/19/2022
Check #: 2448
Cash: 0

ZONING REVIEW

ID: 558211132

Date: 07/20/2022

Fee: \$ 35.00

PROPOSED WORK

- | | | |
|---|---|--|
| <input type="checkbox"/> Adding a New Use to a Property | <input type="checkbox"/> Home Occupation | <input type="checkbox"/> Private Garage |
| <input checked="" type="checkbox"/> Air Condensor Unit(s) | <input type="checkbox"/> Interior Remodel - Comm / Res | <input type="checkbox"/> Residential Addition |
| <input type="checkbox"/> Commercial Addition | <input type="checkbox"/> New Accessory Structure | <input type="checkbox"/> Signs |
| <input type="checkbox"/> Continuing/Changing Use | <input type="checkbox"/> New Commercial Business | <input type="checkbox"/> Solar |
| <input type="checkbox"/> Deck/Balcony | <input type="checkbox"/> New Ownership of Property/Business | <input type="checkbox"/> Storage Shed |
| <input type="checkbox"/> Driveway / Sidewalk / Apron | <input checked="" type="checkbox"/> New Residence | <input type="checkbox"/> Swimming Pool/Hot Tub |
| <input type="checkbox"/> Fence/Retaining Wall | <input checked="" type="checkbox"/> Porch | <input type="checkbox"/> Zoning Determination |
| <input checked="" type="checkbox"/> Other: _____ | | |

The Neptune Township Zoning Map, Land Development Ordinance and its amendments can be found online at www.neptunetownship.org/departments/land-use.

ALL APPLICATIONS WITHIN THE HISTORIC DISTRICT REQUIRE HPC APPROVAL.

IF ANY OF THE REQUESTED INFORMATION IS SUBMITTED INCOMPLETE, THEN THIS APPLICATION SHALL BE RETURNED UNPROCESSED.

1. **Location of property for which zoning permit is desired:**
Street Address: 127 INSKIP AVE **Block:** 287 **Lot:** 6 **Zone:** HDR1
2. **Applicant Name:** DON MERSELES CONST **Phone No.** (732)322-2770 **Fax No.**
Applicant's Address: 124 Clark Ave Ocean Grove, NJ 07756
Email: merselesconst@aol.com
3. **Property Owner Name:** MORGAN, STACIE **Phone No.** (732)336-0780 **Fax No.**
Property Owner's Address: 112 LAWRENCE ROAD MAHWAH, NJ 07430
Email: scottdrost57@gmail.com
4. **Present Approved Zoning Use of the Property:** Detached Single Family Residence
5. **Proposed Zoning Use of the Property:** Detached Single Family Residence
6. **Describe in detail the activity or activities you are proposing. If you are proposing construction, then describe in detail the dimension and setbacks. If you are proposing a use, then describe the proposed use.**
7. **Has the above referenced premises been the subject of any prior application to the ZONING BOARD OF ADJUSTMENT or PLANNING BOARD?**

Yes No If Yes, state date:

Board: Resolution # (if any): (submit a copy of the Resolution)

8. For all exterior work pertaining to additions and accessory structures, excluding fences, please provide:

Building Coverage: 66.61 %

Lot Coverage: 68.50 % (Please include calculations)

40:55D-68.3. Penalty for false filing. Any person who knowingly files false information under this act shall be liable to a civil penalty not to exceed \$1,000 for each filing. any penalty imposed under this section may be recovered with costs in a summary proceeding pursuant to "the penalty enforcement law," N.J.S.2A:58-1 et seq.

-----FOR OFFICE USE-----

Zoning Review Notes:

07/20/2022 The applicant/property owner does not clearly identify all proposed structures as defined in the Land Development Ordinance.

- Detached Single Family Residence 2.5 stories, 28.5' mean height
- Front Porch 2.5 stories
- Rear Entry Platform
- Projections (eaves with NO GUTTERS)
- (2) Upward ventilating condenser units (models N4A318(A,G)KF & N4A324(A,G)KG)
- Walkways
- 2.5' high, 50% open, fence in the front side and rear yard areas.

The applicant is approved zoning for the above indicated structures only. They are to be constructed as indicated on the stamped approved zoning plans. Any deviations shall void this zoning approval.

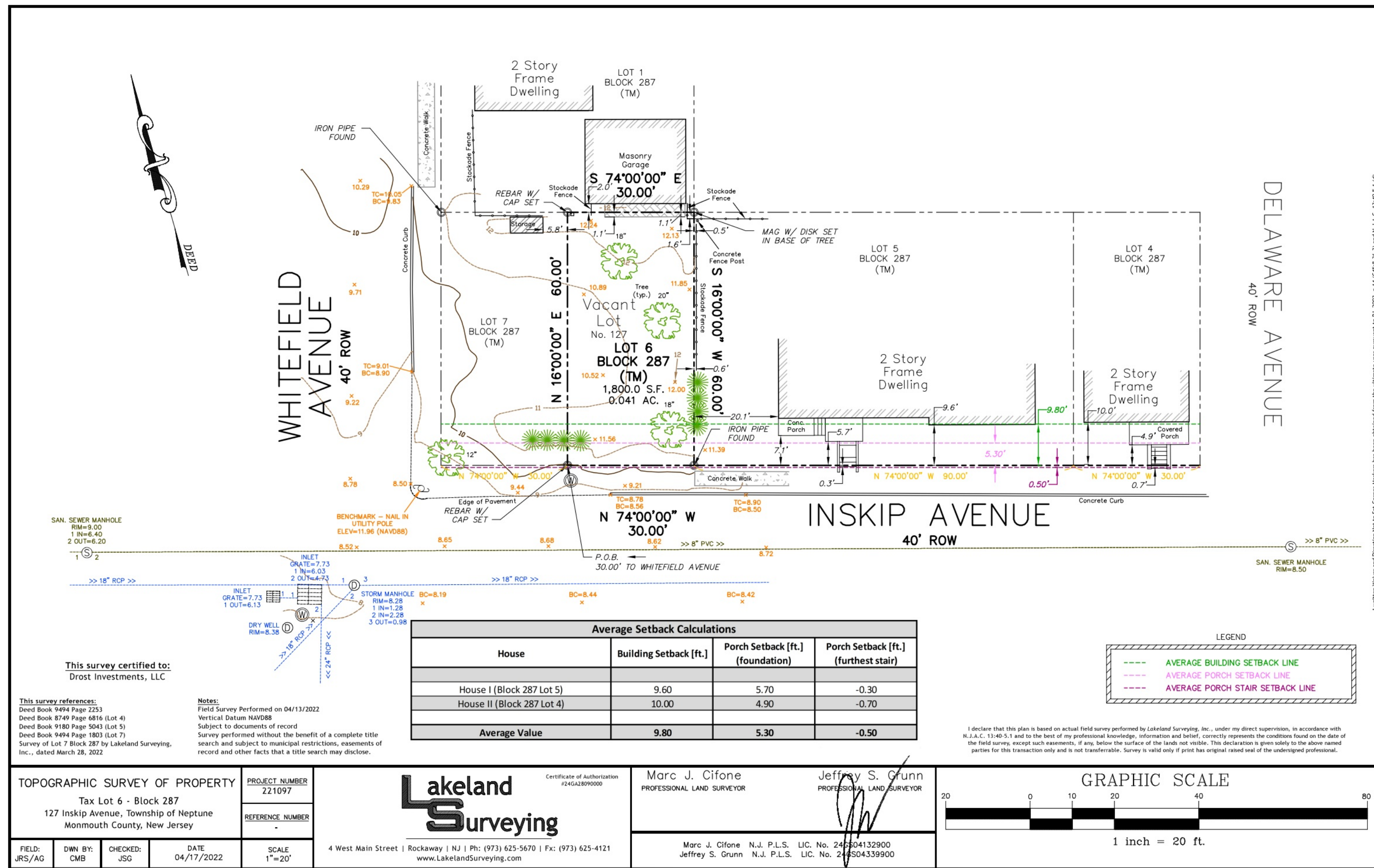
HPC, Engineering, and Construction Department approvals are required.

Status

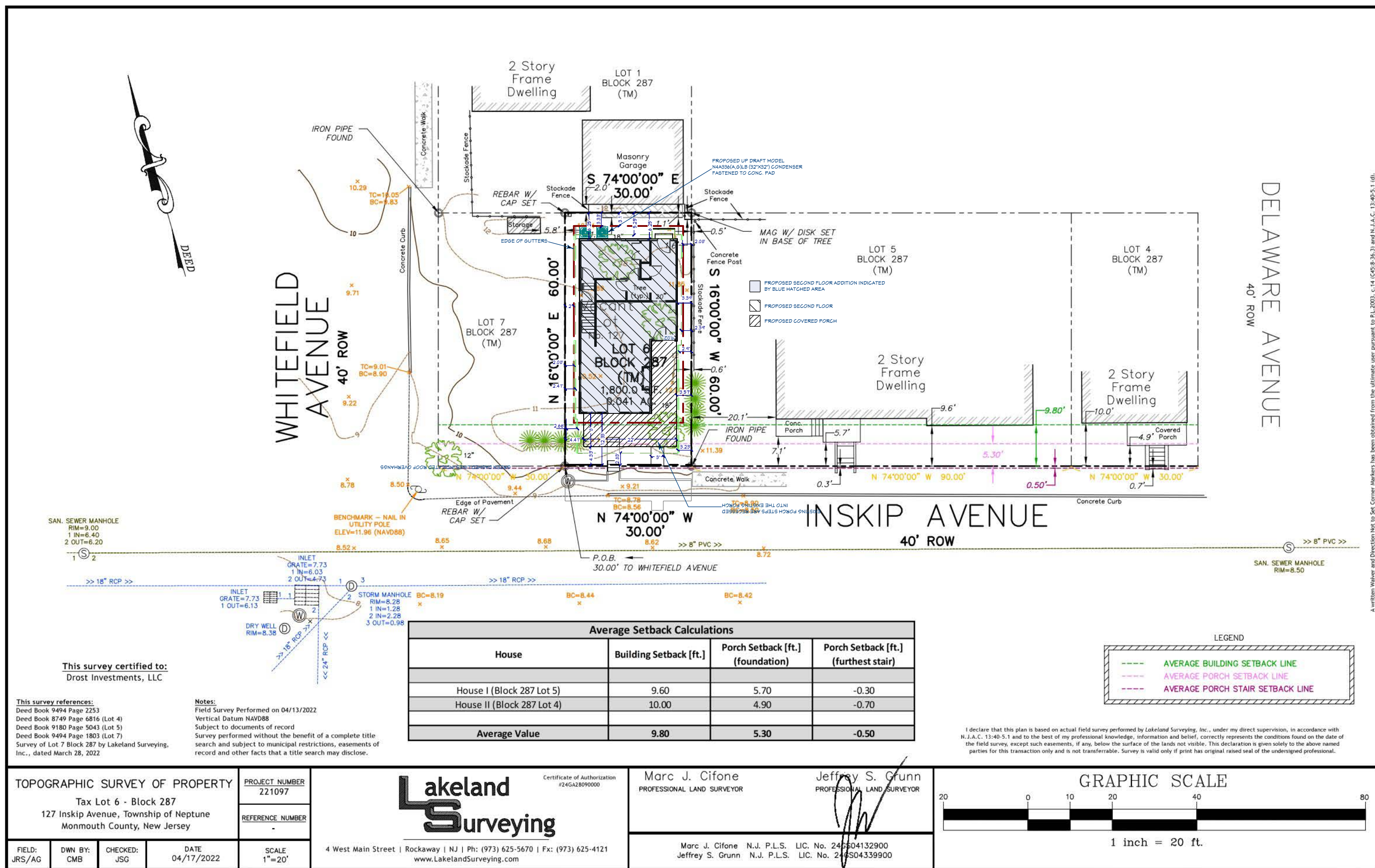
Approved Denied

Referrals

Construction HPC Engineering Planning Board Zoning Board Mercantile Code Enforcement



EXISTING CONDITION SURVEY 1 in = 20 ft



SITE PLAN 1 in = 20 ft

ELECTRICAL - DATA - AUDIO LEGEND

SYMBOL	DESCRIPTION
	Ceiling Fan
	Ventilation Fans: Ceiling Mounted, Wall Mounted
	Ceiling Mounted Light Fixtures: Surface/Pendant, Recessed, Heat Lamp, Low Voltage
	Wall Mounted Light Fixtures: Flush Mounted, Wall Sconce
	Chandelier Light Fixture
	240V Receptacle
	110V Receptacles: Duplex, Weather Proof, GFCI
	Switches: Single Pole, Weather Proof, 3-Way, 4-Way
	Switches: Dimmer, Timer
	Smoke Detectors: Ceiling Mounted, Wall Mounted
	Electrical Breaker Panel

WALL LEGEND

	EXISTING WALLS TO BE REMOVED
	PROPOSED WALLS
	PROPOSED 2x6 FRAME WALLS
	1 HOUR FIRE WALL

HVAC LEGEND

	SUPPLY REGISTER		NO CFM
	RETURN REGISTER		RETURN

SCOPE OF WORK
PROPOSAL FOR A NEW SINGLE FAMILY HOME AS INDICATED WITHIN THESE CONSTRUCTION DRAWINGS.

NOTES:
- ALL LUMBER SHALL BE DOUGLAS FIR #2
- ALL NON-STRUCTURAL METAL STUDS SHALL BE 25 GAUGE

DESIGN LOADS
40 LIVE 10 DEAD - FIRST FLOOR
30 LIVE 10 DEAD - SECOND FLOOR
20 LIVE 10 DEAD - ROOF
125 MPH (58 LBS) - WIND
30 LBS - Ground Snow Load

THESE PLANS REFERENCE:
- UCC NJAC 5:23
- NJ IRC 2018 BUILDING CODE
- NSPC 2018 PLUMBING CODE
- NEC 2017 CODE
- IECC 2018 ENERGY CODE
- IMC 2018 MECHANICAL CODE
- IFGC 2018 FUEL & GAS CODE

SMOKE DETECTOR NOTES:
AN ELECTRONICALLY INTERCONNECTED SMOKE DETECTOR WITH BATTERY BACK-UP SHALL BE INSTALLED IN EACH STORY OF THE DWELLING UNIT INCLUDING BASEMENTS, IN EACH BEDROOM, AND IN THE HALL WITHIN 10'-0" OF ANY BEDROOM DOOR.

INSTALL NEW CARBON MONOXIDE DETECTORS WITHIN 10'-0" OF ALL BEDROOM DOORS.

Ocean Grove	Single Family	REQUIRED	EXISTING	PROPOSED	VARIANCE
HD-R-1		1,800	1,800.00	N.C.	NO
MIN LOT AREA		NA	NA	NA	NO
F.A.R.		NA	NA	NA	NO
MIN LOT WIDTH		30	30	N.C.	NO
LOT FRONTAGE		30	30	N.C.	NO
MIN LOT DEPTH		60	60	N.C.	NO
FRONT YARD		10	NA	12.33	NO
FRONT PORCH		4	NA	4.33	NO
SIDE YARD SETBACK		2	NA	2.08	NO
SIDE YARD SETBACK		2	NA	2.08	NO
COMB. SIDE YARDS		4	NA	4.16	NO
REAR YARD		3.1	NA	6.25	NO
BUILD COV.		85%	NA	62.97%	NO
TOTAL LOT COVERAGE		90%	NA	64.86%	NO
STORIES		2.5	NA	2.5	NO
HEIGHT		35	NA	32.7	NO

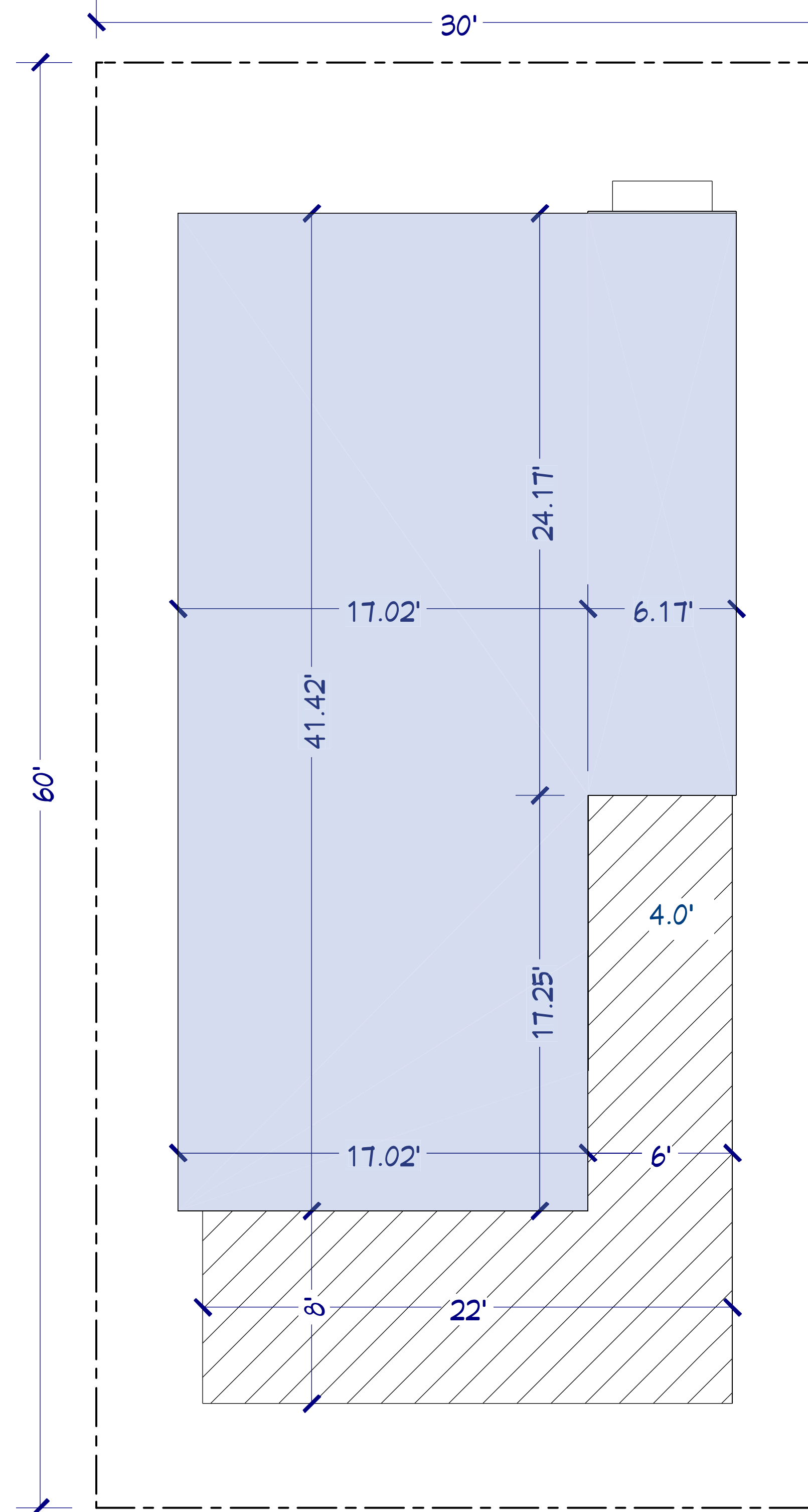
ACCESSORY BUILDING	REQUIRED	EXISTING	PROPOSED	VARIANCE
SIDE YARD	3	NA	NA	NA
REAR YARD	3	NA	NA	NA
HEIGHT	15	NA	NA	NA
FRONT YARD	25	NA	NA	NA

PROPOSED BUILDING AREAS

854	FIRST FLOOR HEATED
854	SECOND FLOOR
280	ATTIC ABOVE 7'-0"
1988	TOTAL HEATED AREA

BUILDING CHARACTERISTICS	PROPOSED
USE GROUP:	R-5
Construction Class	5B
No. of Stories	2
Height of Structure	32.7
Area- Largest Floor	0
New Build. Area/All Floors	0
Volume of New Structure	0
Max. Live Load	40
Max. Occupancy Load	N.A.

Property Description:	127 Inskip Ave
Lot Dimension	30'x60'
Lot Area sf	1,800
Building Coverage	
Structure	Dimension ft Square footage
House	17.02 x 41.42 705
	6.17 X 24.17 149
Front Porch	22 X 8 176
	6 X 17.25 103.5
Total	1133.5
% of Building Coverage	62.97%
Lot Coverage	
Building Coverage	1133.5
Front Conc. Walk	3 x 4.33 13
Concenser Slab	7 x 3 21
Total	1167.5
% of Lot Coverage	64.86%



BUILDING COVERAGE DIAGRAM 1/4 in = 1 ft

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NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			

Marcille Architecture
505 Main Street
Second Floor Metuchen NJ 08840
(732) 662-5824 (F) 732-662-5826
mark@mm-arch.com
6th Ave Seaside Park, NJ 08752

PROJECT DESCRIPTION:
127 INSKIP AVENUE
OCEAN GROVE, NJ 07756
Job No 22-076 127 Inskip Ave Permit

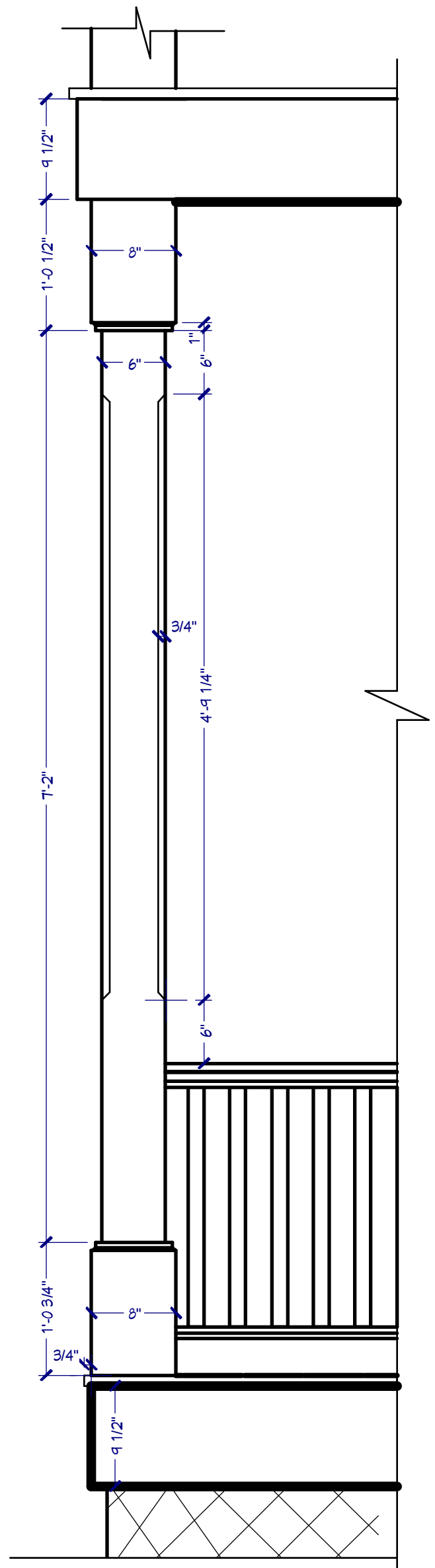


DATE:
09.01.2022
SCALE:
AS NOTED
SHEET:
A-1

NJ LICENSE # 16478
PA LICENSE # 40392



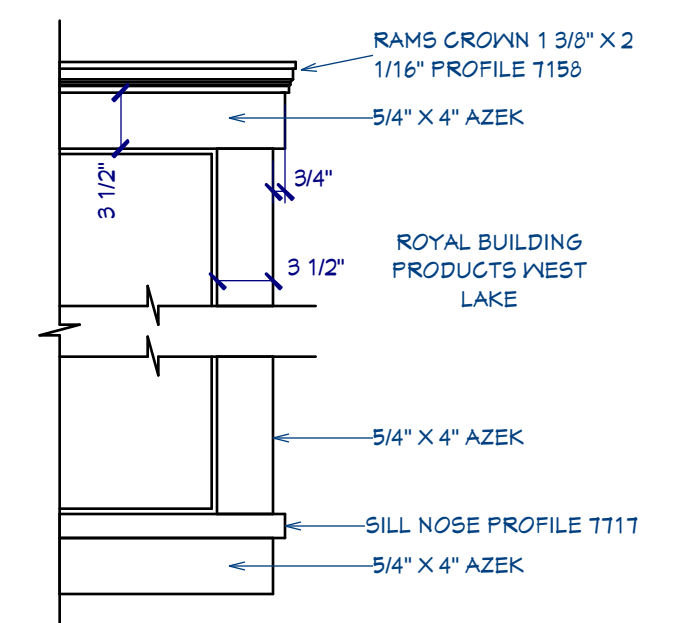
NORTH (REAR) ELEVATION 1/4 in = 1 ft



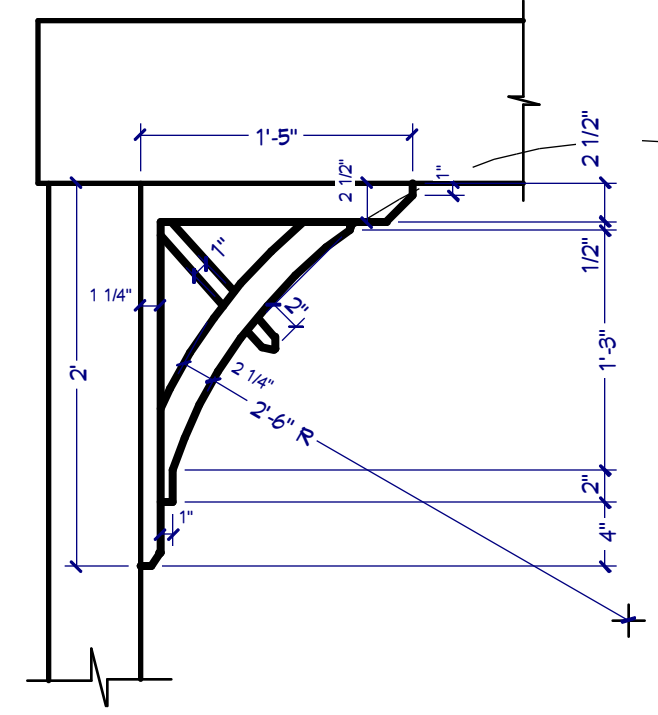
COLUMN DETAIL
SCALE 1" = 1'-0"



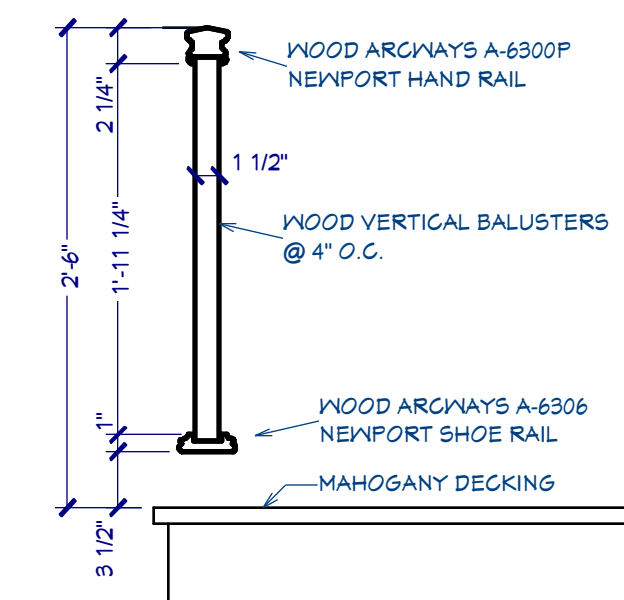
WEST (LEFT SIDE) ELEVATION 1/4 in = 1 ft



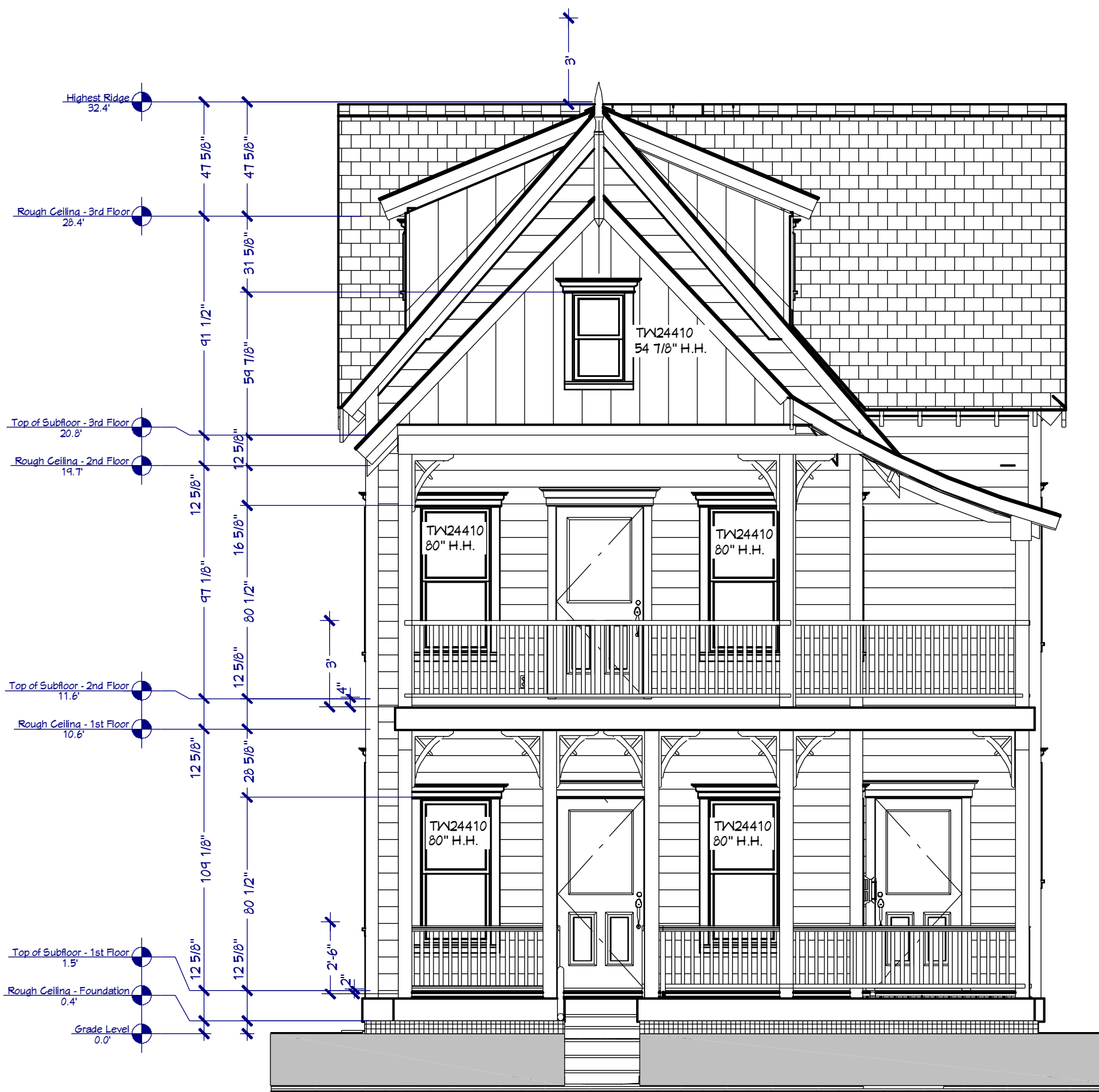
WINDOW TRIM DETAIL
SCALE 1" = 1'-0"



BRACKET
DETAIL
1 in = 1 ft



RAILING DETAIL
SCALE 1" = 1'-0"



SOUTH (FRONT) ELEVATION 1/4 in = 1 ft



EAST (RIGHT SIDE) ELEVATION (FIRE WALL) 1/4 in = 1 ft

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NO.	DESCRIPTION	BY	DATE
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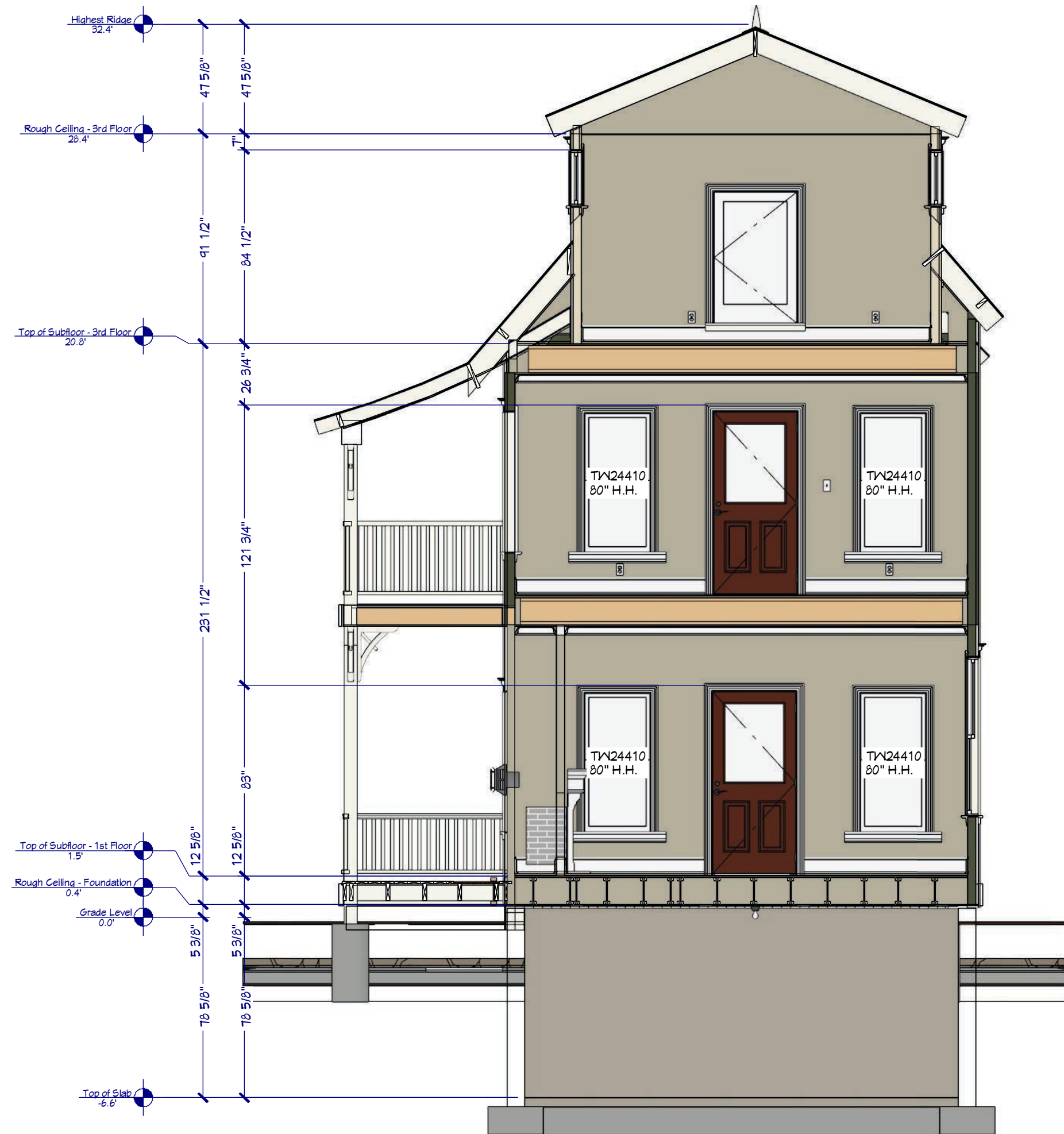
Marcille Architecture
 505 Main Street
 Second Floor Metuchen NJ 08840
 Ocean Grove, NJ 07756
 (732) 662-5824 (F) 732-662-5826
 mark@mm-arch.com
 6th Ave Seaside Park, NJ 08752

PROJECT DESCRIPTION:
 127 INSKIP AVENUE
 OCEAN GROVE, NJ 07756
 Job No 22-076 127 Inskip Ave Permit

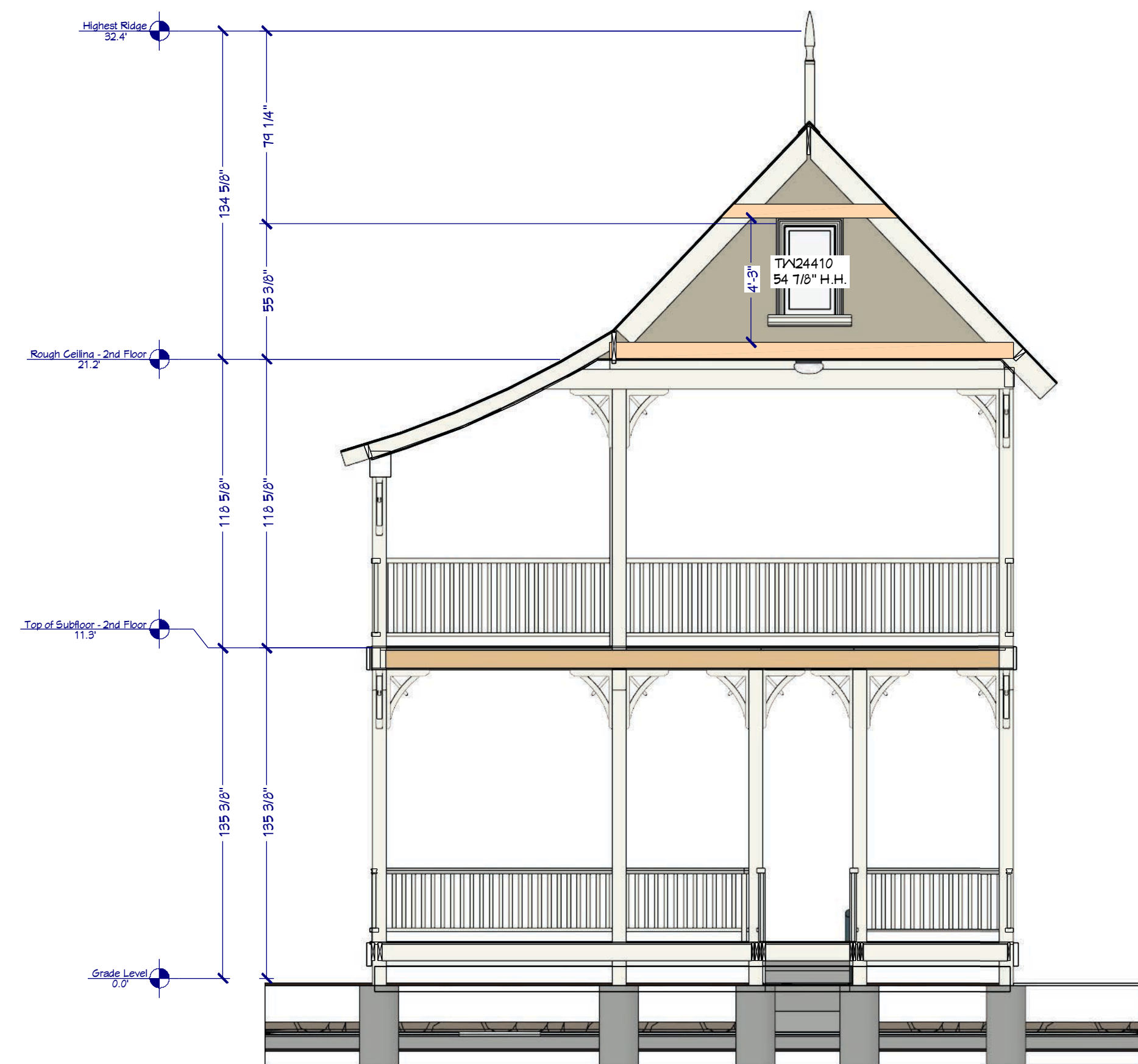


NJ LICENSE # 16478
 PA LICENSE # 40392

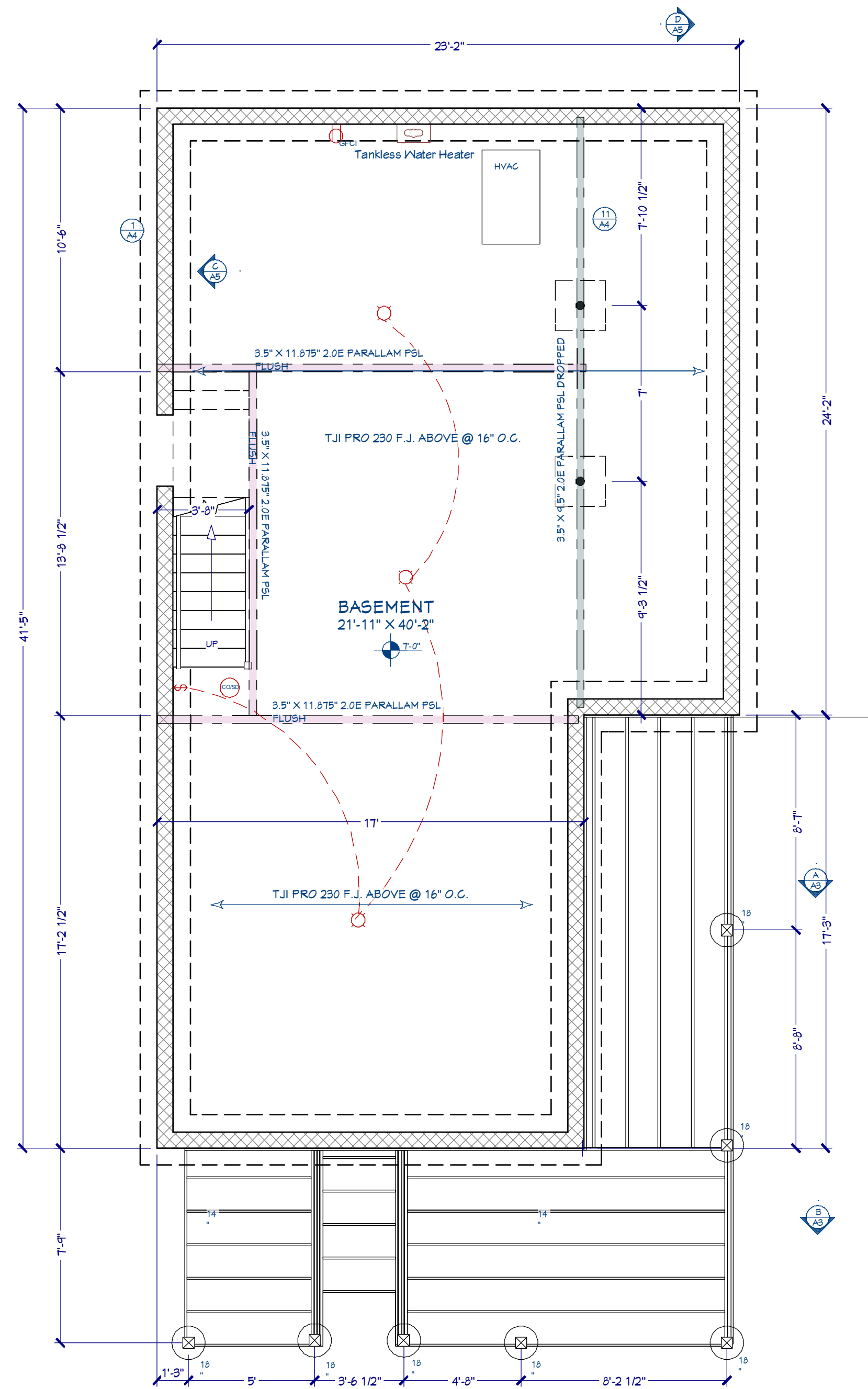
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 09.01.2022
SCALE:
 AS NOTED
SHEET:



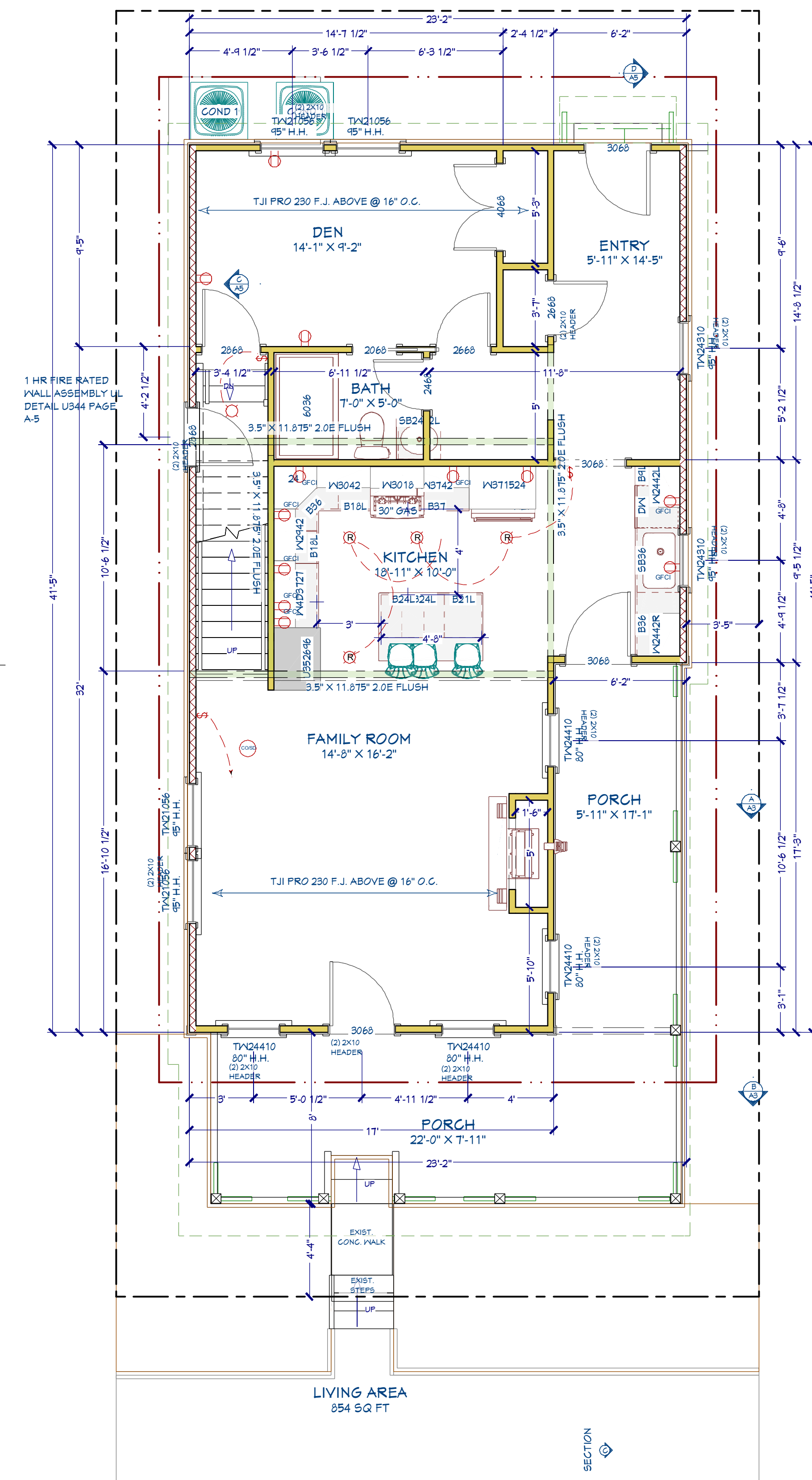
"A" SECTION 1/4 in = 1 ft



"B" SECTION 1/4 in = 1 ft



Foundation 1/4 in = 1 ft



1st Floor 1/4 in = 1 ft

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NO.	DESCRIPTION	BY	DATE
1			
2			
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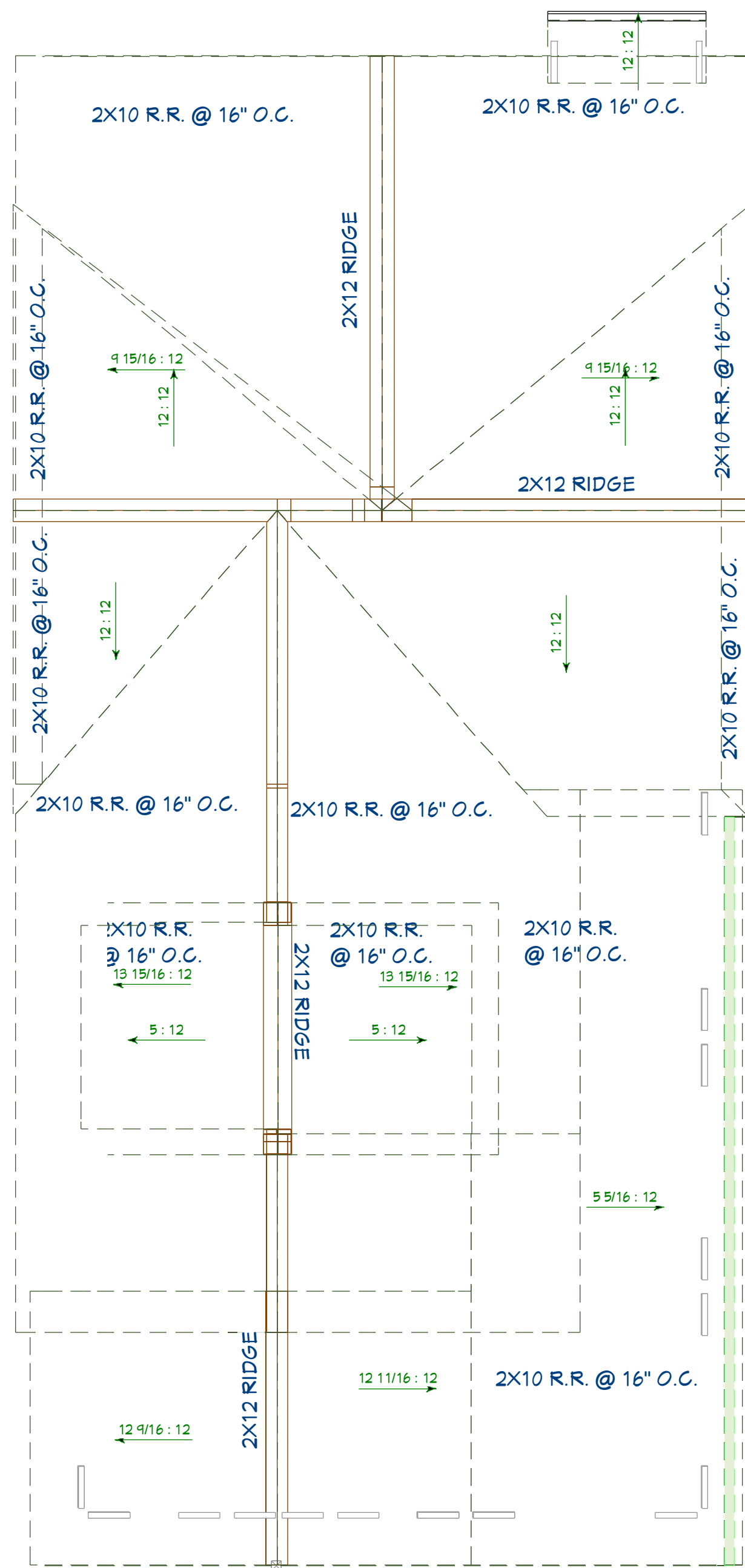
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PROJECT DESCRIPTION:
 127 INSKIP AVENUE
 OCEAN GROVE, NJ 07756
 Job No 22-076 127 Inskip Ave Permit

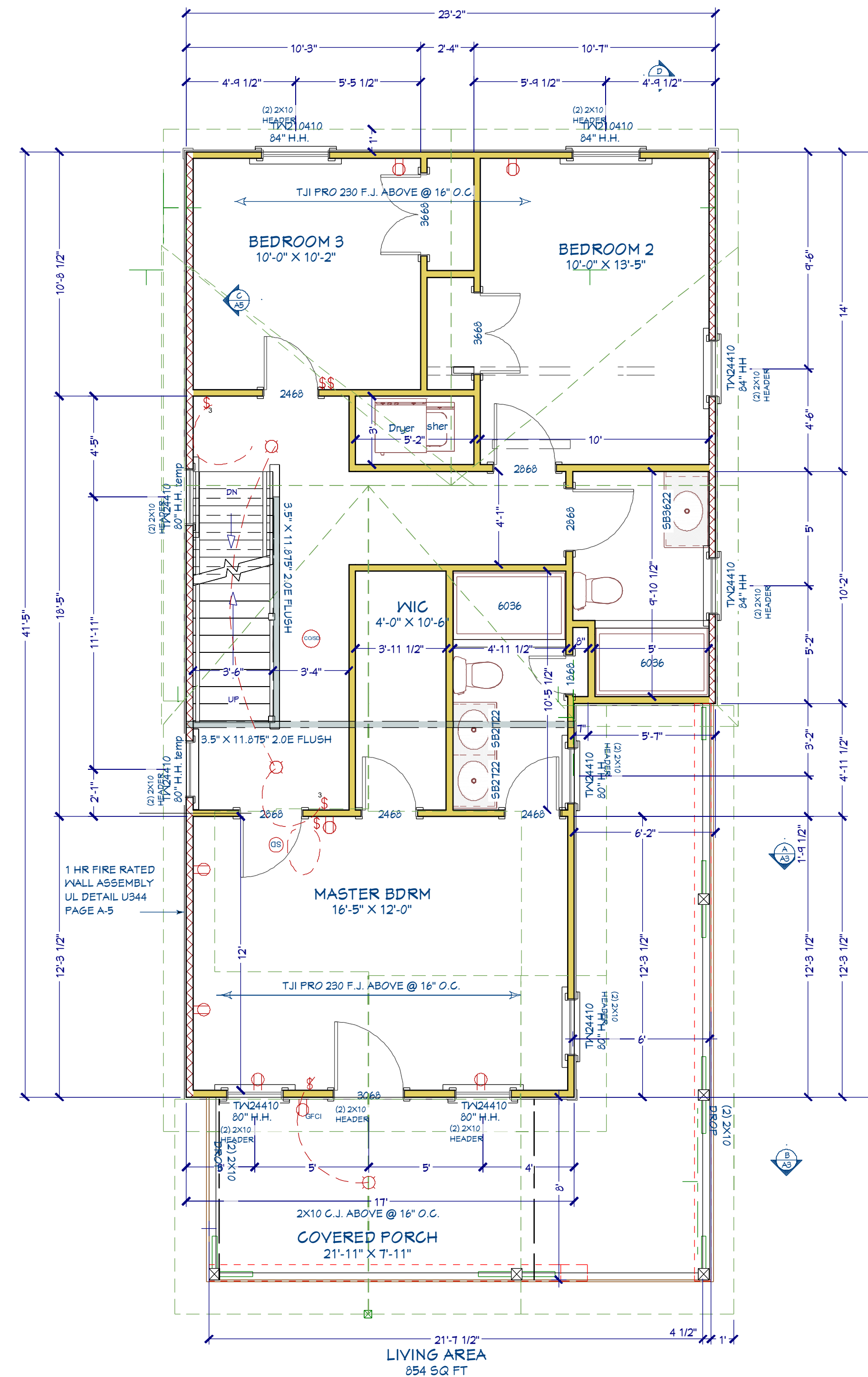


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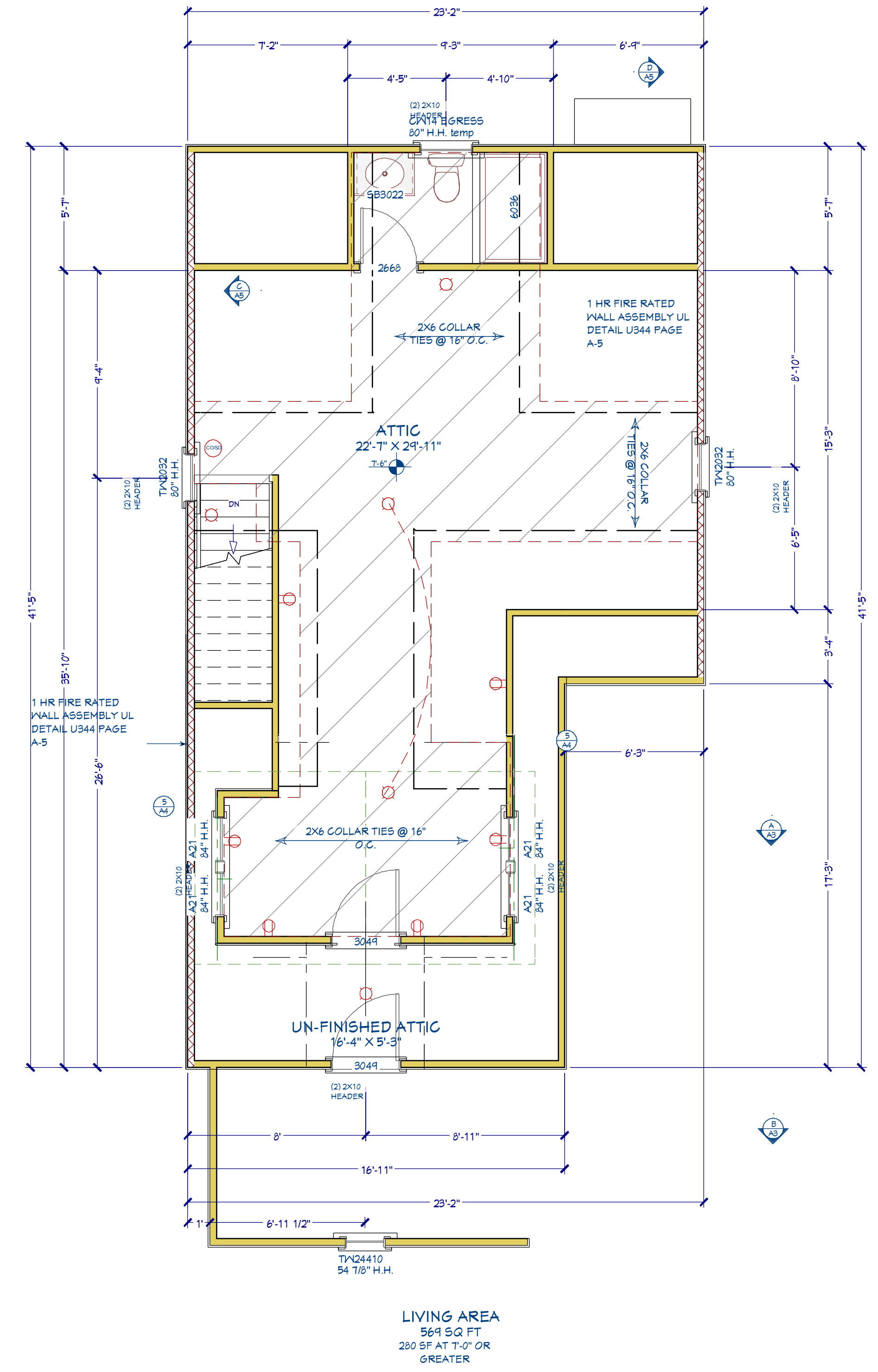
DATE:
 09.01.2022
SCALE:
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SECTION:



ROOF PLAN 1/4 in = 1 ft



2nd Floor 1/4 in = 1 ft



FINISHED ATTIC 1/4 in = 1 ft

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SHEET:

A-4



Project 127 Inskip Ave

Energy Code: 2018 IECC
 Location: Ocean Grove, New Jersey
 Construction Type: Single-Family
 Project Type: New Construction
 Conditioned Floor Area: 2,123 ft²
 Glazing Area: 17%
 Climate Zone: 4 (5253 HDD)
 Permit Date:
 Permit Number:

Construction Site: 127 Inskip Ave
 Owner/Agent:
 Designer/Contractor:

Compliance: Passes using UA trade-off

Compliance: 3.0% Better Than Code Maximum UA: 328 Your UA: 318 Maximum SHGC: 0.40 Your SHGC: 0.30
 The "k Better or Worse Than Code Index" reflects how close to compliance the house is based on code trade-off rules. It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Slab-on-grade tradeoffs are no longer considered in the UA or performance compliance path in REScheck. Each slab-on-grade assembly in the specified climate zone must meet the minimum energy code insulation R-value and depth requirements.

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Prop. U-Factor	Req. U-Factor	Prop. UA	Req. UA
Ceiling 1: Flat Ceiling or Scissor Truss	470	30.0	0.0	0.035	0.026	16	12
Ceiling: Cathedral Ceiling	450	30.0	0.0	0.034	0.026	15	12
Wall: Wood Frame, 16" o.c.	2,523	18.0	0.0	0.062	0.060	130	126
Window: Wood Frame SHGC: 0.30	423			0.300	0.320	127	135
Floor: All-Wood Joist/Truss	919	30.0	0.0	0.033	0.047	30	43

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2018 IECC requirements in REScheck Version 1: REScheck-Web and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Name - Title Signature Date

Project Title: 127 Inskip Ave Report date: 05/05/22
 Data filename: Page 1 of 9

Design No. U344

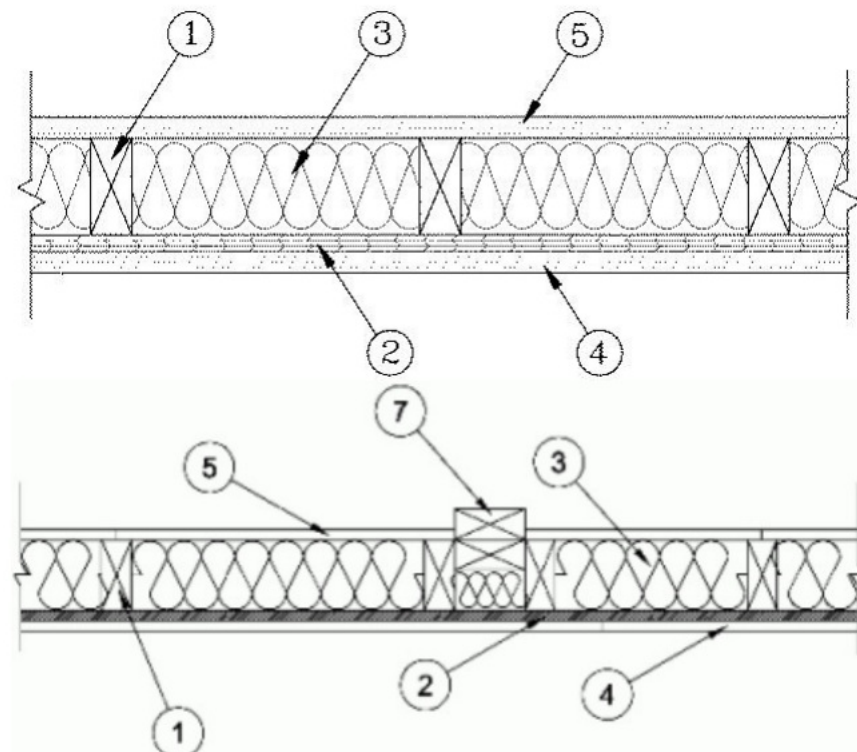
September 21, 2015

Bearing Wall Rating — 1 Hr.

Finish Rating — 26 Min.

This design was evaluated using a load design method other than the Limit States Design Method (e.g., Working Stress Design Method). For jurisdictions employing the Limit States Design Method, such as Canada, a load restriction factor shall be used — See Guide BXUV or BXUV7

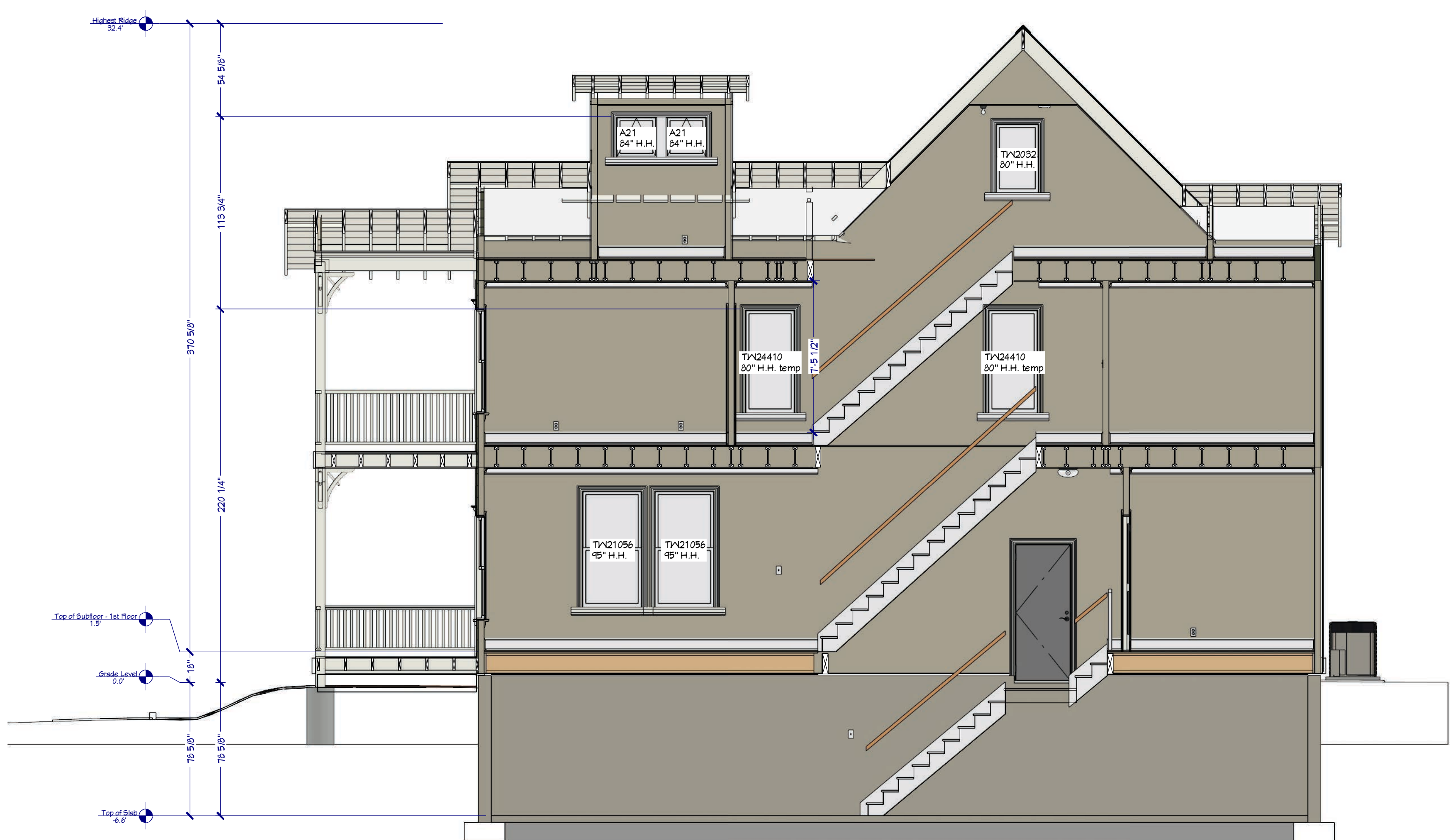
*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



- Wood Studs** — Nom 2 by 4 in. spaced 24 in. OC, laterally braced, and effectively fire stopped at top and bottom.
 - Wood Structural Panel Sheathing** — Nom 15/32 in. thick, 4 ft wide APA Rated Sheathing 3216. Exposure 1, plywood or oriented strand board (OSB) per PS1, PS2 or APA Standard PRP-108. Installed with long dimension of sheet (strength axis) or face grain of plywood, parallel with studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Horizontal joints backed with nom 2 by 4 in. wood backing. Attached to studs on exterior side of wall with 6d cement coated steel box nails spaced 12 in. OC along interior studs and 6 in. OC at perimeter of panels.
 - Batts and Blankets** — 3-1/2 in. thick foil-faced glass fiber batts. Supplied in rolls 23 in. wide. Density to be nom 0.70 pcf. Friction-fitted to completely fill the stud cavity.
See Batts and Blankets (BZJZ) category for names of Classified Companies.
 - Fiber, Sprayed** — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product with a nominal dry density of 2.7 lb/ft³. Alternate Application Method: The fiber is applied without water or adhesive at a nominal dry density of 3.5 lb/ft³, in accordance with the application instructions supplied with the product.
U S GREEN FIBER L L C — INS735 & INS745 for use with wet or dry application. INS10LD, INS15LD, INS41LD, INS735, INS745, INS765LD, and INS770LD are to be used for dry application only.
 - Fiber, Sprayed** — As an alternate to Item 3 and 3A — Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 4.58 lb/ft³.
NU-WOOL CO INC — Cellulose Insulation
 - Fiber, Sprayed** — As an alternate to Batts and Blankets (Item 3) — Spray applied cellulose fiber. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. The minimum dry density shall be 4.30 lb/ft³.
INTERNATIONAL CELLULOSE CORP — Celbar-RL
 - Gypsum Board** — 5/8 in. thick, 4 ft wide, applied horizontally or vertically. Attached to studs through plywood sheathing with 8d cement coated nails 2-3/8 in. long, 0.113 in. shank diam, 9/32 in. diam head nails spaced 7 in. OC along studs and at perimeter of panels. When used in widths other than 48 in., wallboard is to be installed horizontally. Joints exposed or covered with tape and compound.
When Item 6, Steel Framing Members, is used, gypsum panels attached to furring channels with 1 in. long Type S bugle-head steel screws spaced 12 in. OC.
- ACADIA DRYWALL SUPPLIES LTD** — 5/8 Type X, Type Blueglass Exterior Sheathing
- AMERICAN GYPSUM CO** — Types AGX-1, M-Glass, AG-C.
- AMERICAN GYPSUM CO** — Types AGX-1, M-Glass, AG-C.
- CGC INC** — Type AR, C, IP-X1, IP-X2, IPC-AR, SCX, ULX, USGX, WRX.
- CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C** — Types LGFC6, LGFC6A, LGFC-C, LGFC-C/A
- GEORGIA-PACIFIC GYPSUM L L C** — Type TG-C, GreenGlass Type X, Type DGG
- NATIONAL GYPSUM CO** — Types FSK, FSK-G, FSW, FSW-3, FSW-6, FSW-6, FSK-C, FSW-C, FSMR-C, FSW-6, FSL, FSW-8



"D" SECTION 1/4 in = 1 ft



"C" SECTION 1/4 in = 1 ft

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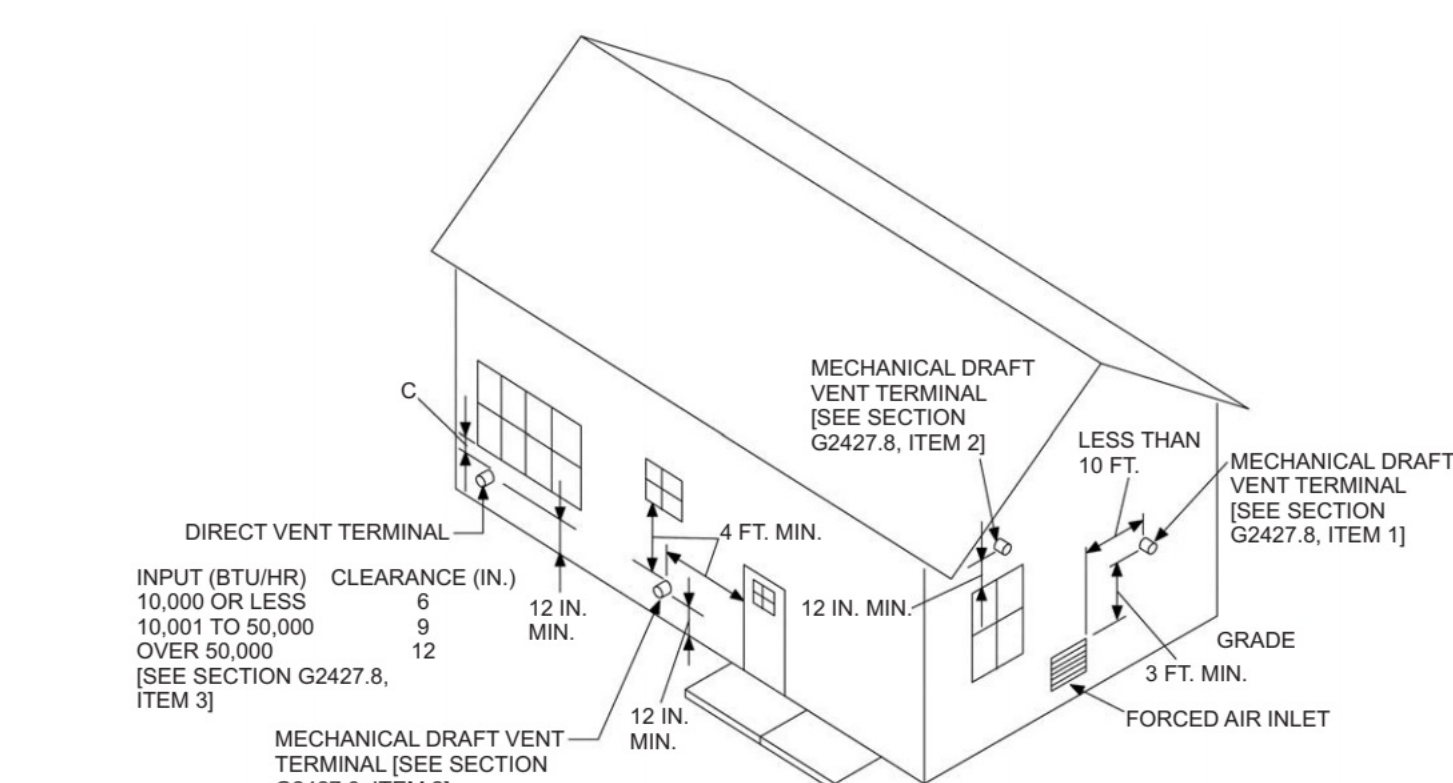
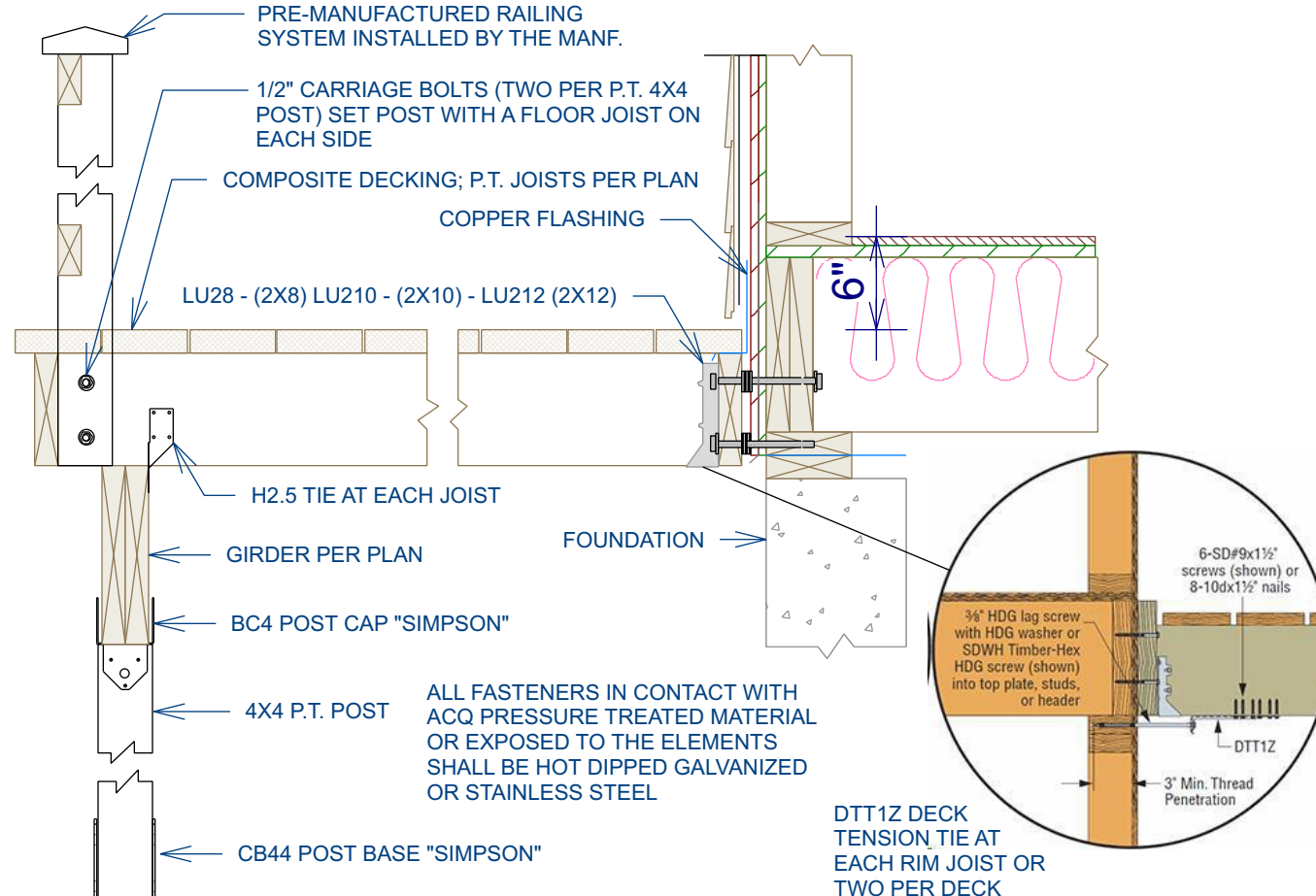
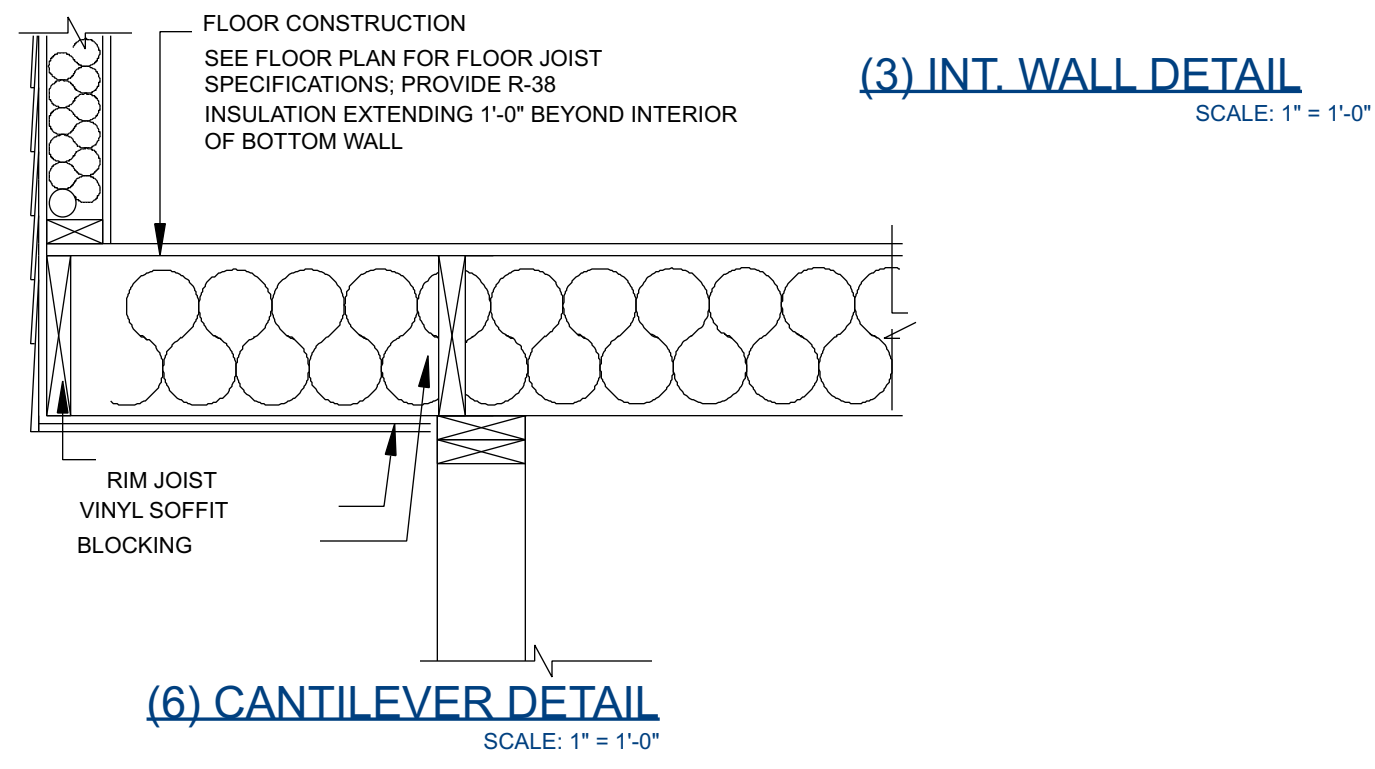
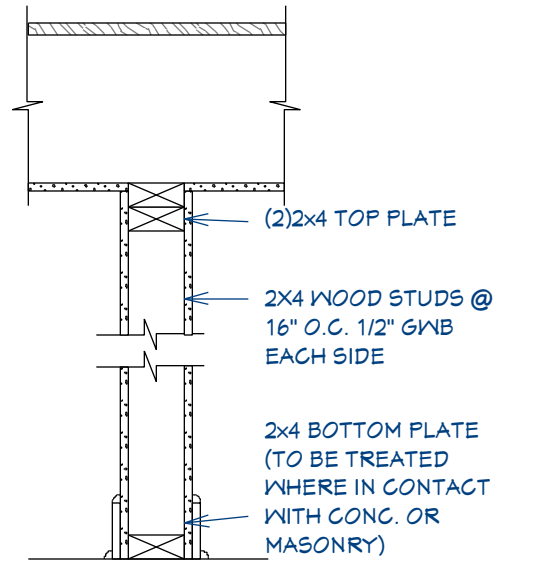
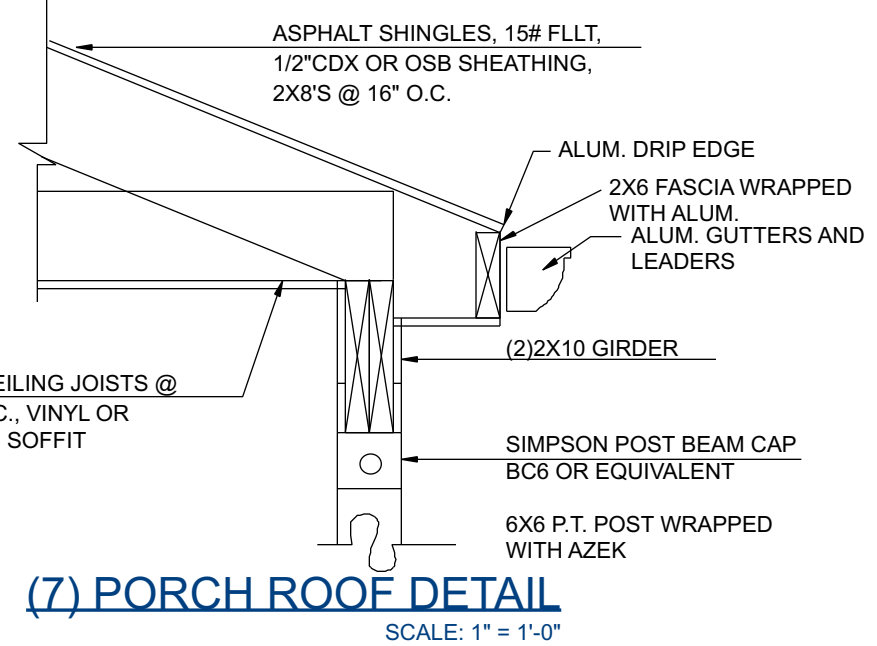
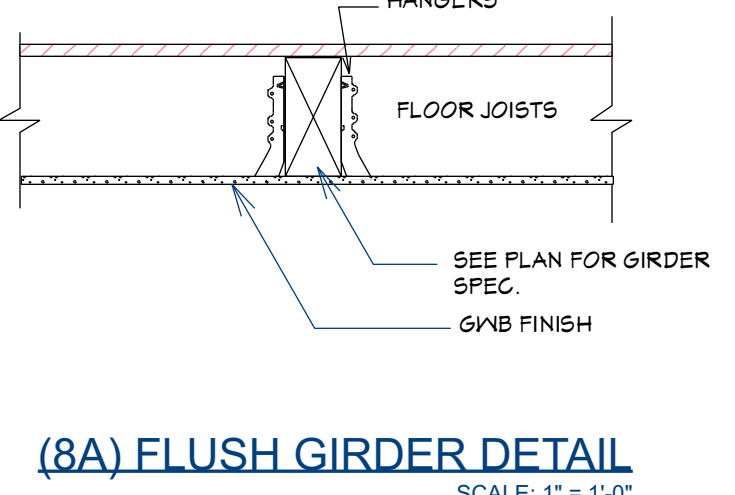
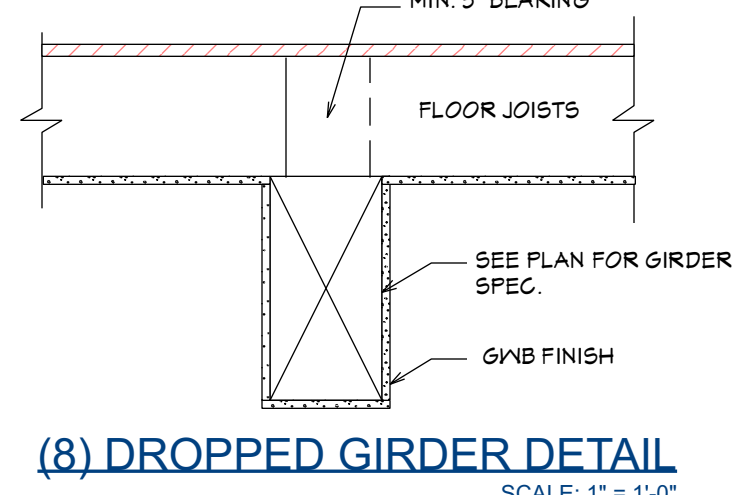
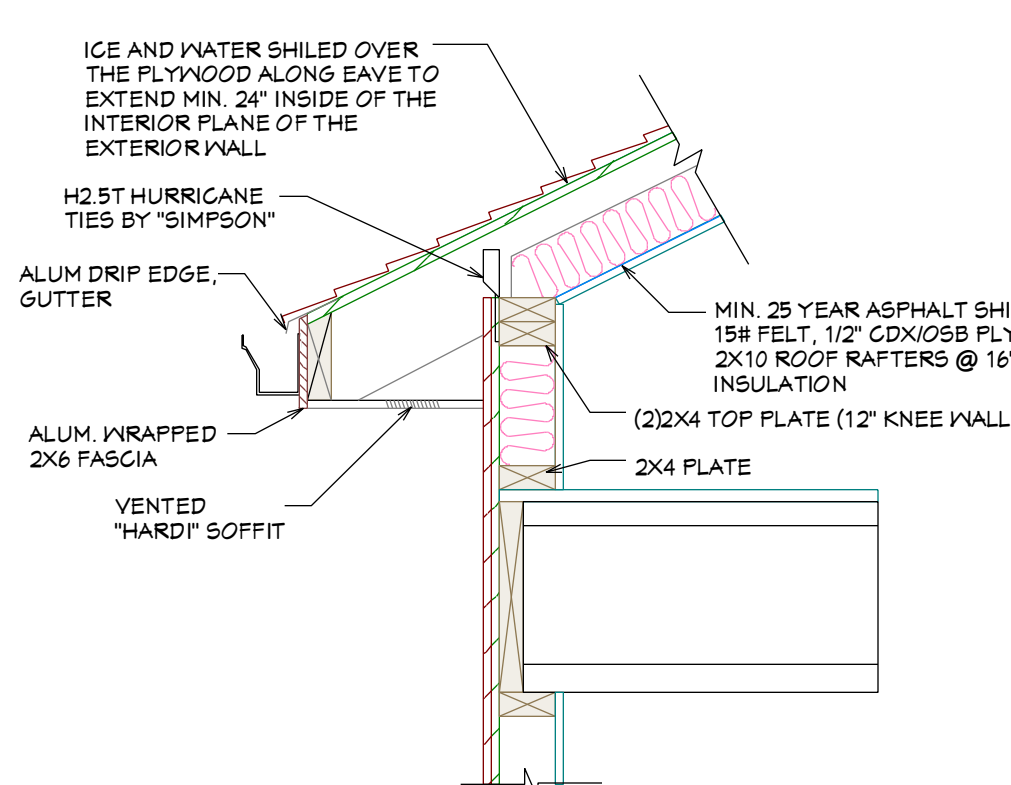
PROJECT DESCRIPTION:
 127 INSKIP AVENUE
 OCEAN GROVE, NJ 07756
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The length of exhaust and supply ducts used with ventilating equipment shall not exceed the lengths determined in accordance with Table M1506.2.
Exception: Duct length shall not be limited where the duct system complies with the manufacturer's design criteria or where the flow rate of the installed ventilating equipment is verified by the installer or approved third party using a flow hood, flow grid or other airflow measuring device.

TABLE M1506.2 DUCT LENGTH

DUCT TYPE	FLEX DUCT						SMOOTH WALL DUCT					
	50	80	100	125	150	200	50	80	100	125	150	200
Fan airflow rating (CFM @ 25 inch w.c.)	50	80	100	125	150	200	50	80	100	125	150	200
Diameter (inches)	3	4	5	6	7	8	8	10	12	15	18	24
Maximum length, d, e (feet)	X	X	X	X	X	X	X	X	X	X	X	X

For SI: 1 foot = 304.8 mm.
a. Fan airflow rating shall be in accordance with ANSI/AMCA 210-ANSI/AASHRAE 51.
b. For noncircular ducts, calculate the diameter as four times the cross-sectional area divided by the perimeter.
c. This table assumes that elbows are not used. Fifteen feet of allowable duct length shall be deducted for each elbow installed in the duct run.

FRAMING CONNECTORS

Top Mount Hangers—Simpson Strong-Tie®

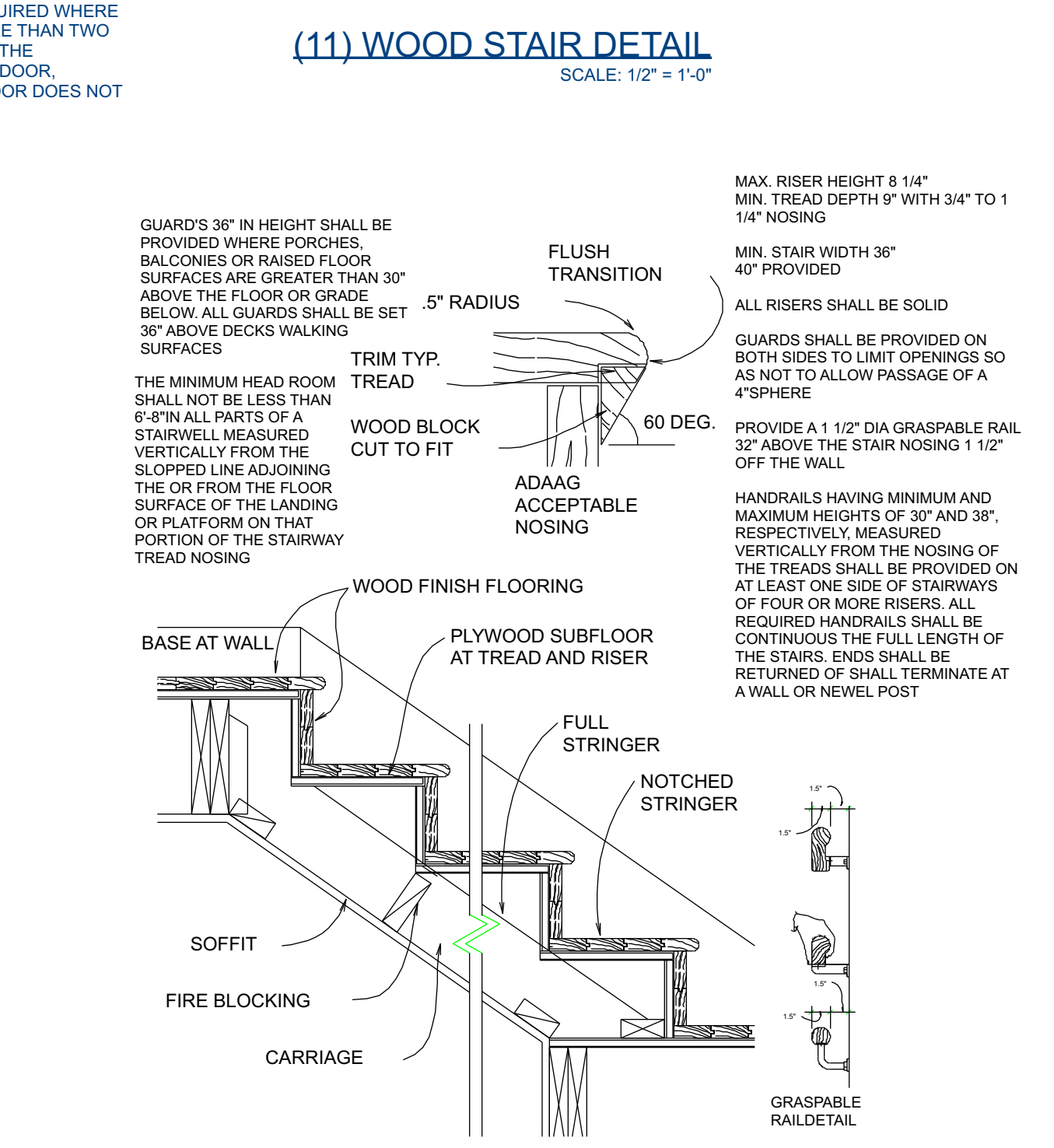
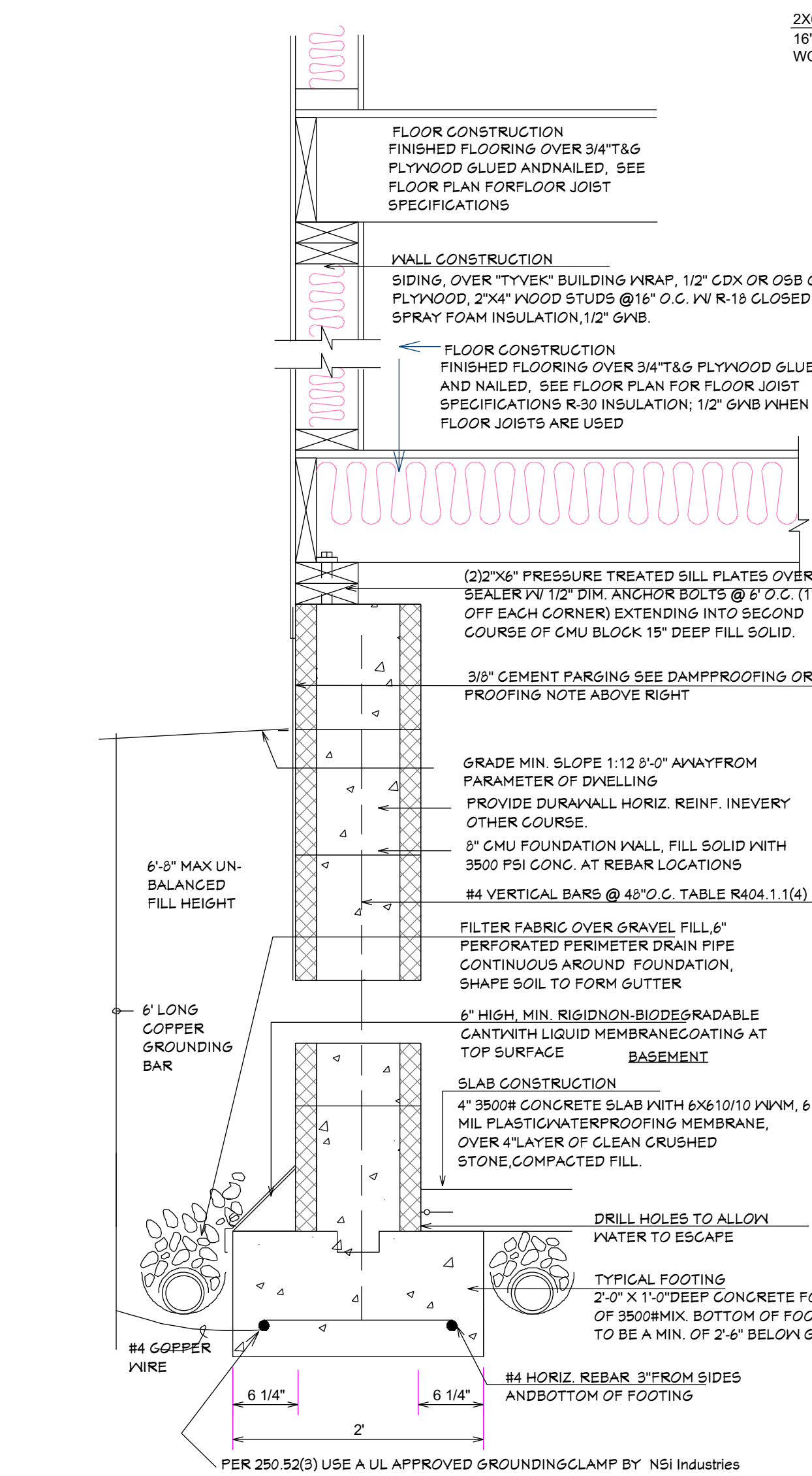
Supported Member Width	Supported Member Depth	Hanger	Nail Type		Allowable Load (lbs)—100% ⁽¹⁾			
			Header	Joist	LSL	LVL	SPF	
1 1/4"	9 1/4"	WH1	16d	10d x 1 1/2"	2,150	4,165	4,165	
		LBV1	16d	10d x 1 1/2"	2,885	2,550	2,060	
		MT9.5	16d	10d x 1 1/2"	2,115	2,305	1,665	
	11 1/4"	WH1	16d	10d x 1 1/2"	2,885	2,550	2,060	
		LBV1	16d	10d x 1 1/2"	2,885	2,550	2,060	
		MT11.88	16d	10d x 1 1/2"	2,115	2,305	1,665	
3 1/2"	14"	BA	16d	10d x 1 1/2"	3,705	3,435	2,665	
		EL	16d	10d x 1 1/2"	3,355	3,440	2,650	
		H83	16d	16d	5,640	5,650	3,820	
	16"	H83.5	16d	16d	5,640	5,650	3,820	
		H83.5/11.25	16d	16d	5,640	5,650	3,820	
		H83.5/11.88	16d	16d	5,640	5,650	3,820	
	18"	GLT3	16d	16d	5,750	7,000	5,145	
		GLT3.516	16d	16d	5,750	7,000	5,145	
		GLT3.518	16d	16d	9,000	8,665	6,770	
	5 1/4"	20"	H83.5	16d	16d	9,000	8,665	6,770
			H83.5/11.88	16d	16d	9,000	8,665	6,770
			GLT5.59	16d	16d	5,750	7,000	5,145
22"		GLT5.59/11.25	16d	16d	5,750	7,000	5,145	
		GLT5.59/11.88	16d	16d	9,000	8,665	6,770	
		GLT5.59/12.25	16d	16d	9,000	8,665	6,770	
7"	24"	E607.50-SDS3	SDS 1/4" x 3"	SDS 1/4" x 3"	18,680	—	—	
		E607.50-SDS3	SDS 1/4" x 3"	SDS 1/4" x 3"	18,680	—	—	
		E607.50-SDS3	SDS 1/4" x 3"	SDS 1/4" x 3"	18,680	—	—	
	26"	E607.25-SDS3	SDS 1/4" x 3"	SDS 1/4" x 3"	18,680	—	—	
		E607.25-SDS3	SDS 1/4" x 3"	SDS 1/4" x 3"	18,680	—	—	
		E607.25-SDS3	SDS 1/4" x 3"	SDS 1/4" x 3"	18,680	—	—	

Face Mount Hangers—Simpson Strong-Tie®

Supported Member Width	Supported Member Depth	Hanger	Nail Type		Allowable Load (lbs)—100% ⁽¹⁾		
			Header	Joist	LSL	LVL	SPF
1 1/4"	7 1/4"-8 1/4"	HU7	16d	10d x 1 1/2"	1,610 ⁽²⁾	1,610 ⁽²⁾	1,350 ⁽²⁾
		HU11	16d	10d x 1 1/2"	2,950 ⁽²⁾	2,950 ⁽²⁾	2,550 ⁽²⁾
		HU11.81/70	16d	16d	4,900	4,900	4,355
3 1/2"	14"-20"	HUS48	16d	16d	3,885	3,885	3,275
		HUS410	16d	16d	5,190	5,190	4,385
5 1/4"	14"-20"	HUS410	16d	16d	8,780	8,780	7,365
		HUS414	16d	16d	10,015	10,015	7,890
		HUS50/10	16d	16d	5,190	5,190	4,385
	14"-20"	HUS5.50/12	16d	16d	9,155	9,155	7,690
		HUS5.50/14	16d	16d	10,015	10,015	8,415
		HUS5.50	SDS 1/4" x 2 1/2"	SDS 1/4" x 2 1/2"	14,145	14,145	10,185
7"	14"-20"	HUS7.25/12	16d	16d	8,780	8,780	7,365
		HUS7.25/12	16d	16d	9,835	9,835	8,260
		HUS7.25	SDS 1/4" x 2 1/2"	SDS 1/4" x 2 1/2"	14,145	14,145	10,185

General Notes

- Header capacity may be more or less than that of the supported member; therefore, check both the header and the beam capacities.
- Leave 1/2" clearance (1/4" maximum) between the end of the beam or header and its support member or hanger.
- When using top mount hangers in back-to-back applications, ensure that the supporting beam width is adequate to prevent hanger interference.
- Face mount hangers to be supported by 1 1/4" wide headers, minimum.
- Hanging Requirements**
 - Fill all round and positive-angle nail holes with the proper nails.
 - 10d x 1 1/2" nails are 0.148" dia. by 1 1/2" long.
 - 16d nails are 0.187" dia. by 2" long.
 - 16d nails are 0.162" dia. by 3 1/4" long.
 - For USP, 16d R.S. nails are (9 gauge) 0.148" dia. by 3 1/4" long ring-shank nails.



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