

SEPTIC DESIGNS of NH, LLC

Licensed Designer, Installer, and Certified Septic Evaluator

20210823

RE: 797 Elwyn Rd., Portsmouth, NH – Conditional Use Permit

City of Portsmouth,

This letter is to briefly describe the application, what the homeowners are trying to do, and why we need the Conditional Use Permit.

The application is for the addition on the back of the house as well as replacing a septic system to one that is up to present day code. The previous septic system is outdated and is in the same location as the proposed septic. Everything will be new for the septic from the pipe leaving to the leaching area to include the septic tank. The tank will be monolithic.

This addition and septic is being completed by the home owners. They are both elderly and one of them does have a medical condition. This addition is to help them improve their quality of life as well as help the children assist their parents better.

The City of Portsmouth has a wetlands setback of 100' and swales are included in this setback requirement. The field and proposed addition are over 156' to poorly drained soils on the back of the property which is outside of the City setback. However, there is a culvert that crosses the road between the two properties. This culvert discharges into a slight swale that runs along the property line to the poorly drained soils at the end of the property. We need this conditional use permit because the septic system and the proposed addition is inside the 100' setback from the swale.

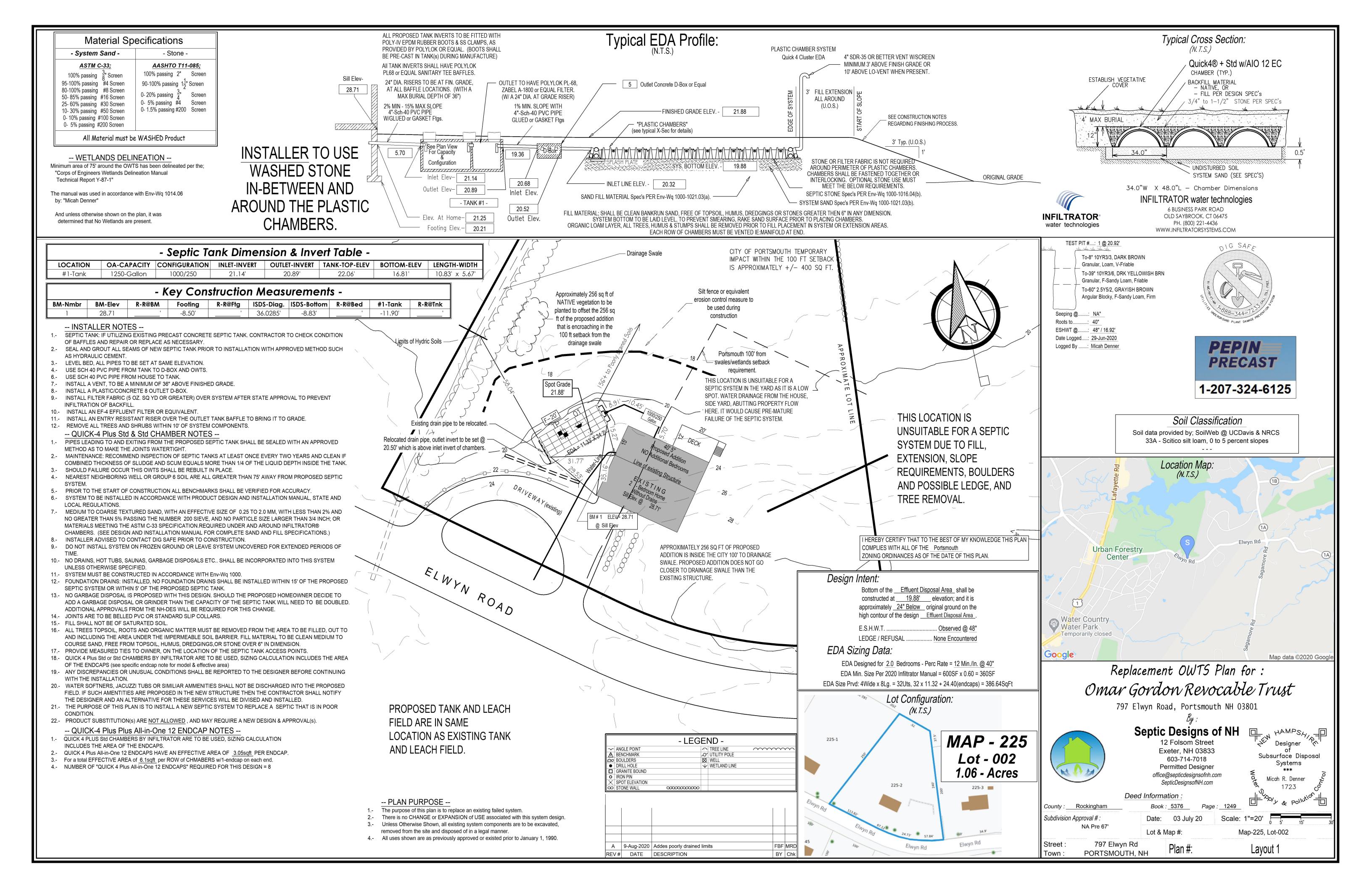
Kind Regards,

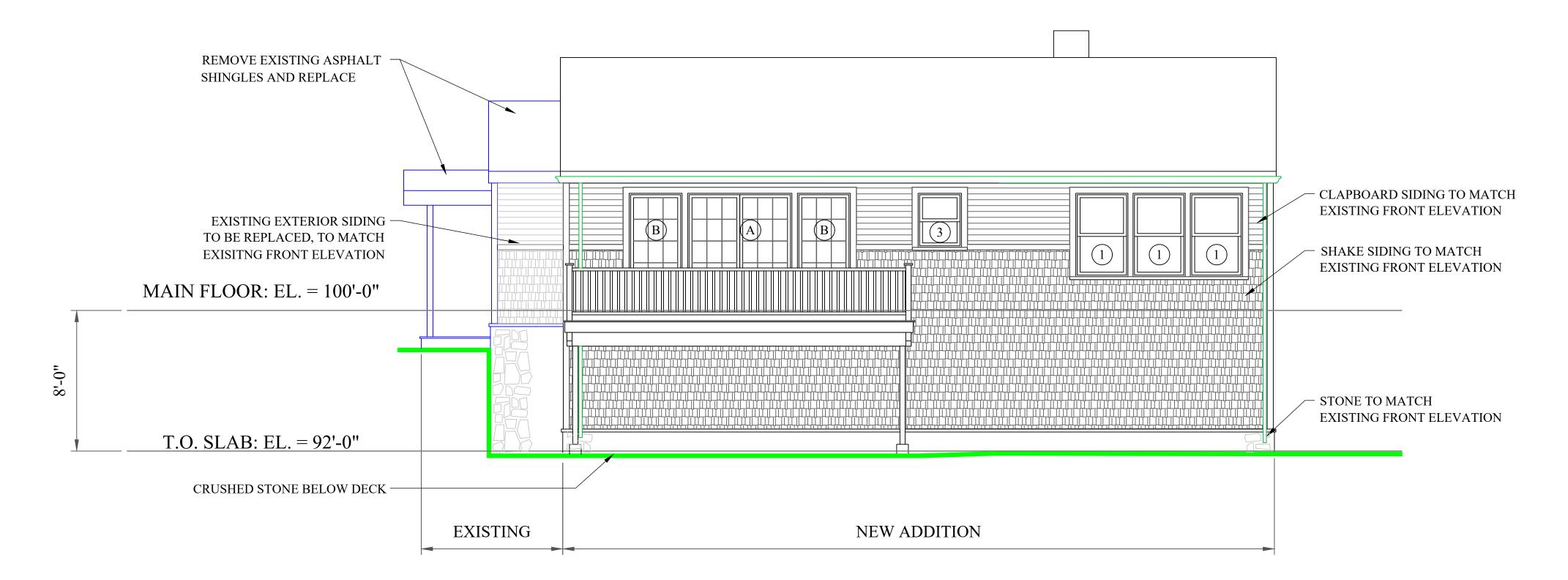
M. Bell

M. Bel

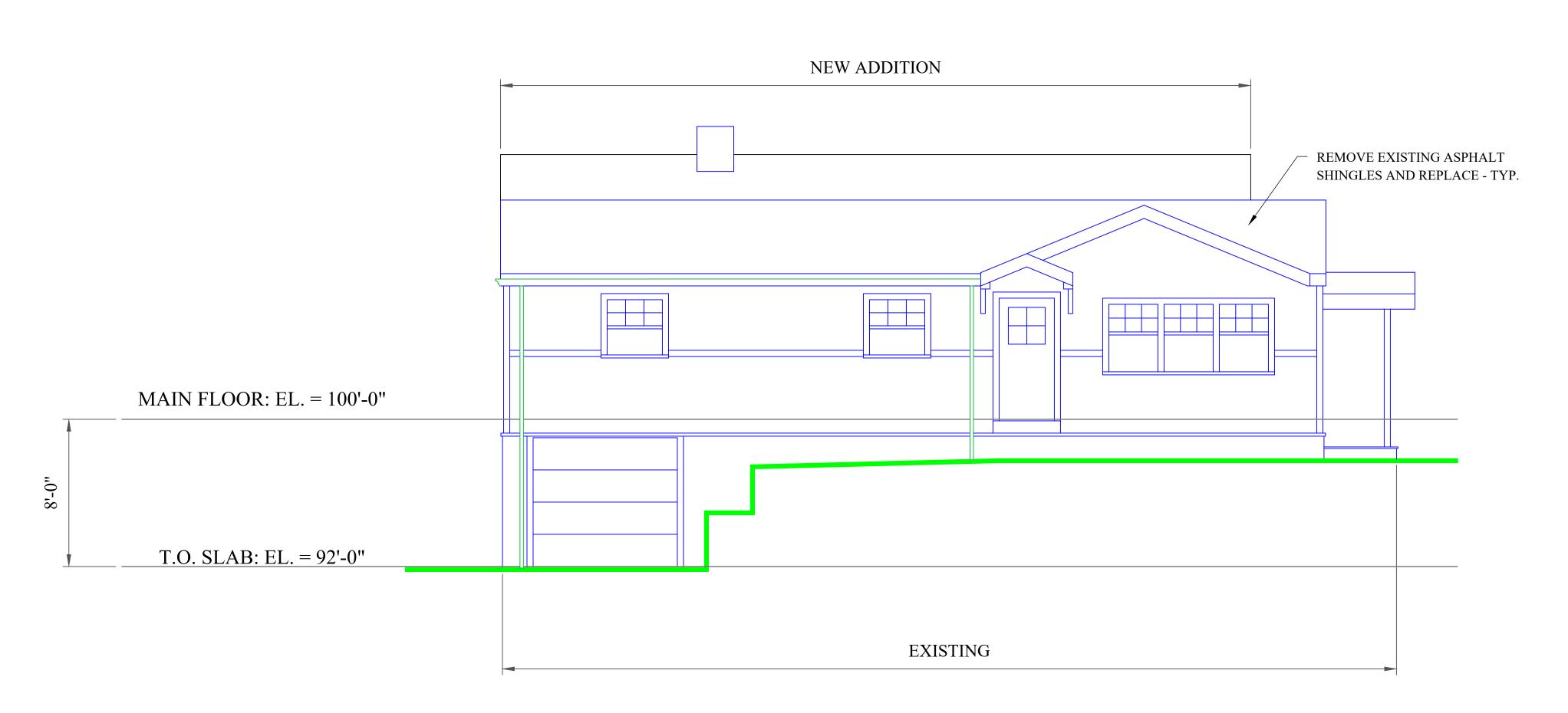
Micah Denner

Owner, Septic Designs of NH, LLC

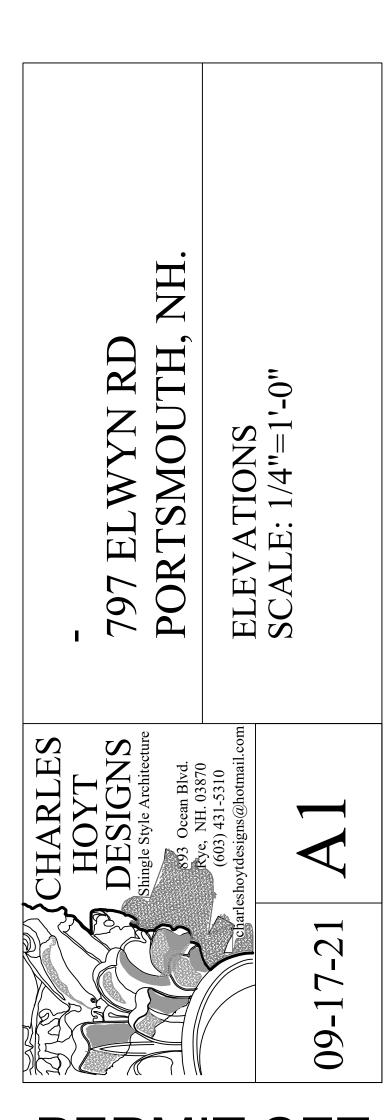




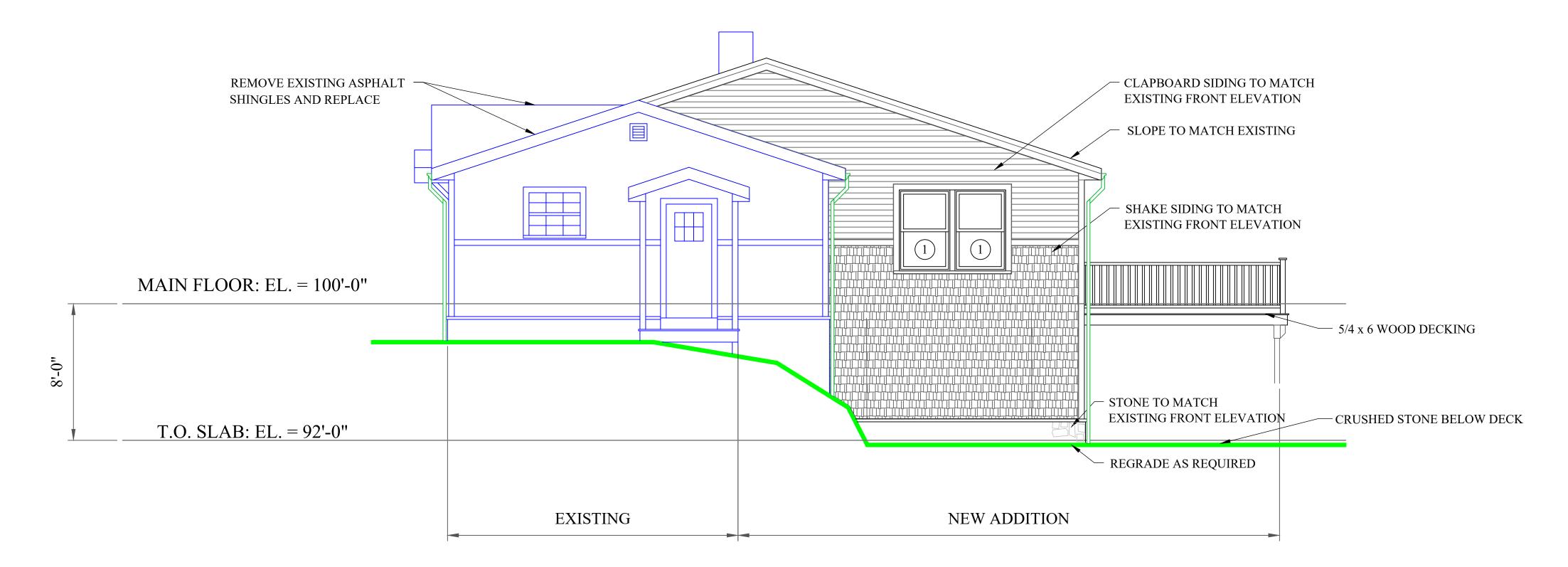
REAR ELEVATION



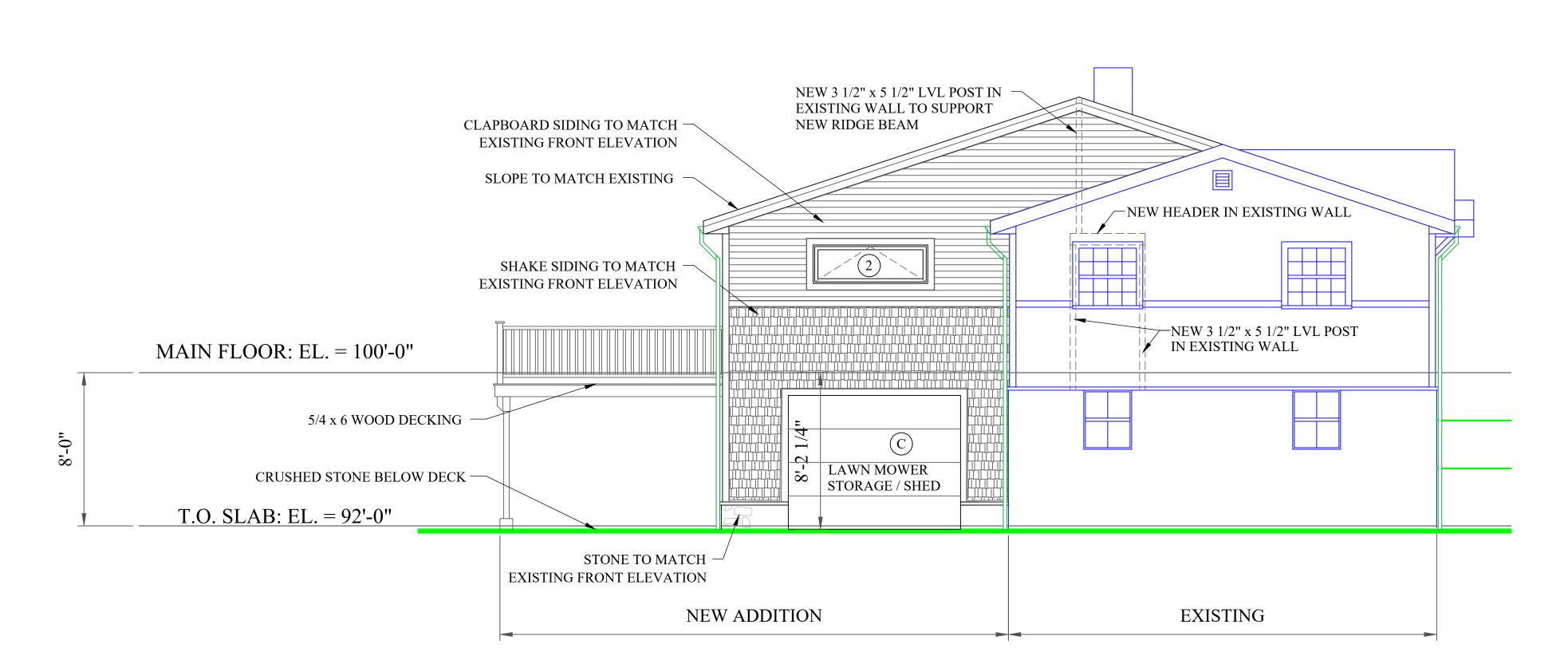
FRONT ELEVATION



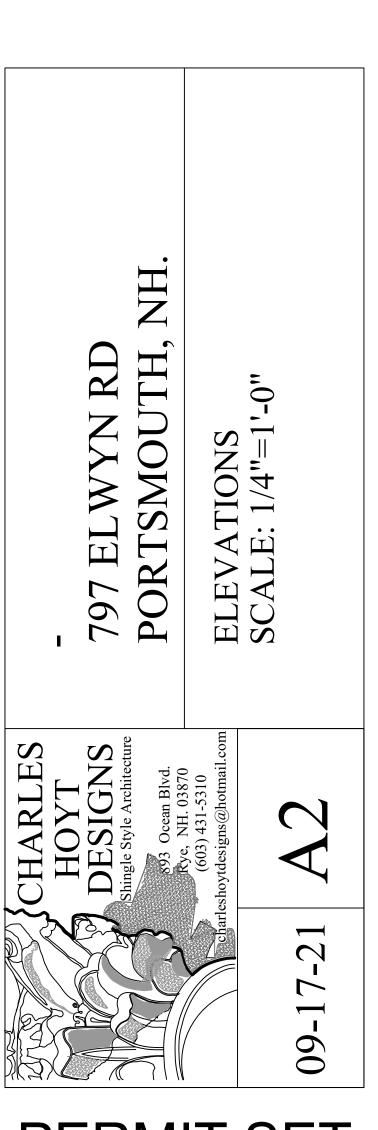
PERMIT SET



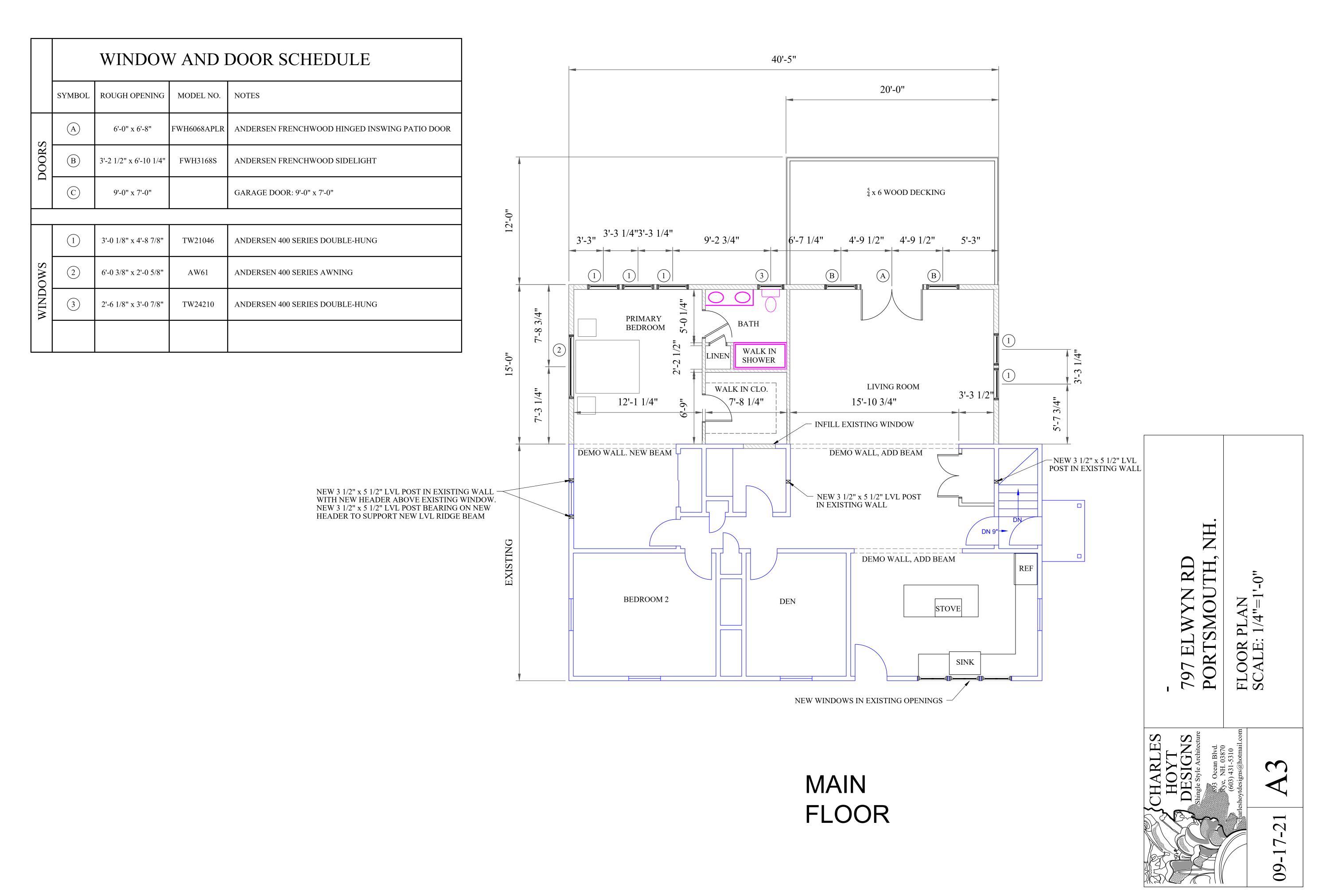
RIGHT ELEVATION



LEFT ELEVATION



PERMIT SET

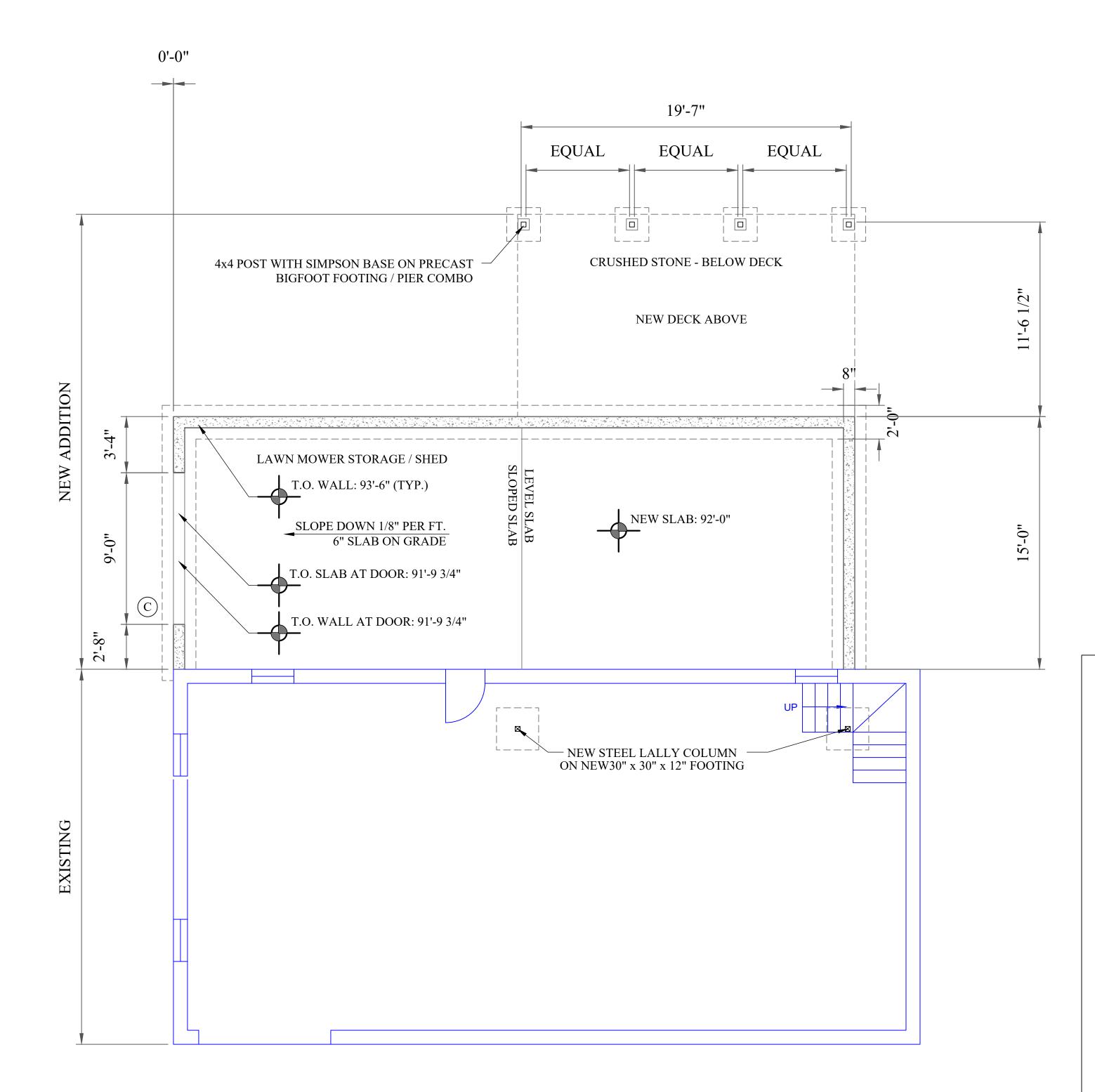


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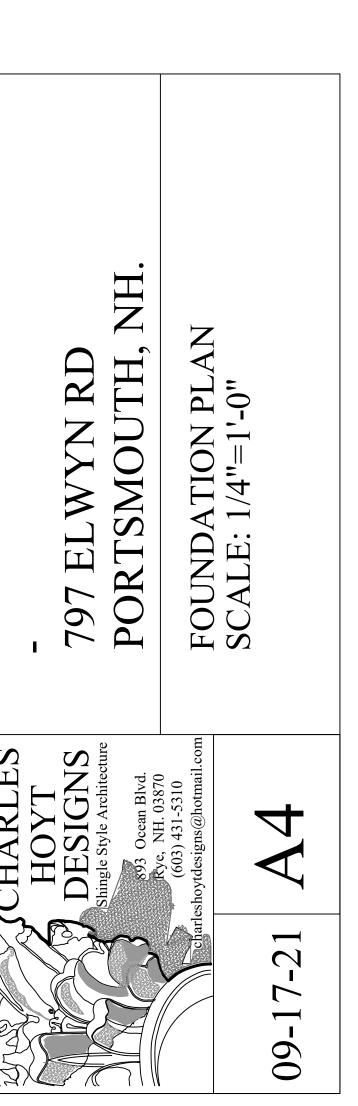
NOTES:

- SOIL BEARING CAPACITY SHOULD BE TESTED AND RATED FOR 3000 PSF.
- 2. CONCRETE MIX SHALL BE 3,500 IN GARAGE.
- 3. FOOTING SHOULD REST ON UNDISTURBED SOILS. IF LEDGE IS ENCOUNTERED, FOOTING SHOULD BE PINNED TO ROCK WITH 12" LONG #5 REBAR 6" INTO ROCK AND 6" INTO FOOTING @ 5' O.C.
- 4. FOOTING: 24" WIDE x 10" THICK:
- REINFORCED WITH 2 ROWS OF #5 REBAR CONTINUOUS, 3" UP FROM BOTTOM.
- PIN WALL TO FOOTING WITH #4 VERTICAL REBAR @ 24" 0.C. UP 24" INTO WALL (TYP.)

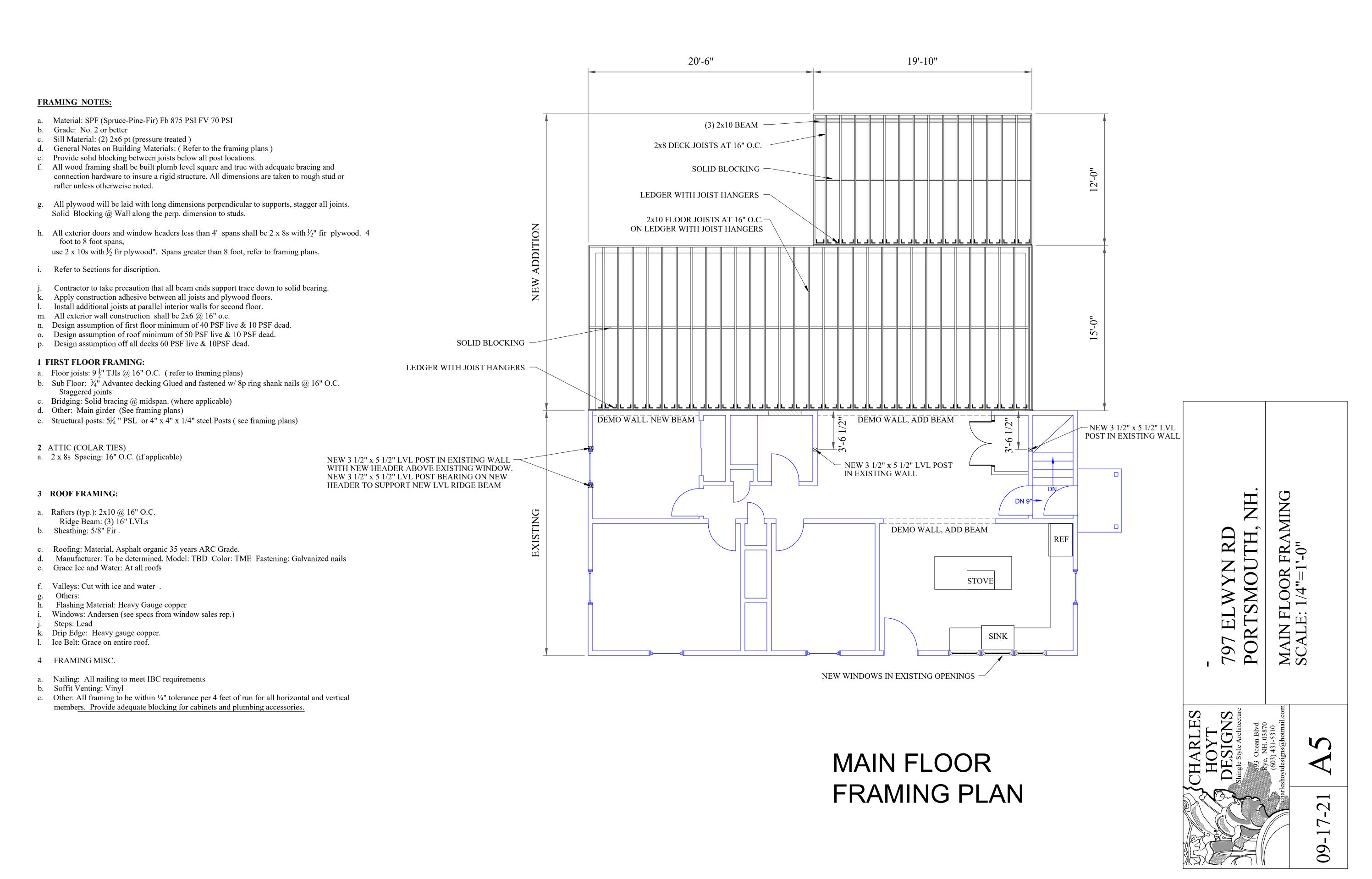
 5. STRIP FOOTER: REINFORCE WITH 4 ROWS OF #5 REBAR CONTINUOUS 3" UP FROM
- 6. FOUNDATION WALL: 8" THICK AT TYPICAL WALLS. REINFORCE WITH #4 REBAR (2) ROWS 2" FROM TOP AND (2) ROWS AT BOTTOM, RUN HORIZONTALLY PLACE EXTRA #4 VERTICAL REBAR BELOW LOCATIONS WHERE POST SITS ON FOUNDATION WALL.
- 7. AT DECK: 5' TALL PRECAST BIGFOOT FOOTER / PIER COMBO.
- 8. PIN P.T. PLATE TO FOUNDATION WALL WITH $\frac{1}{2}$ " DIAMETER x 1'-0" ANCHOR BOLTS 4'-0" O.C. (TYP.). THERE SHALL BE A MINIMUM OF TWO BOLTS PER SILL PLATE SECTION AND NOT MORE THAN 12" FROM EACH END.



FOUNDATION PLAN



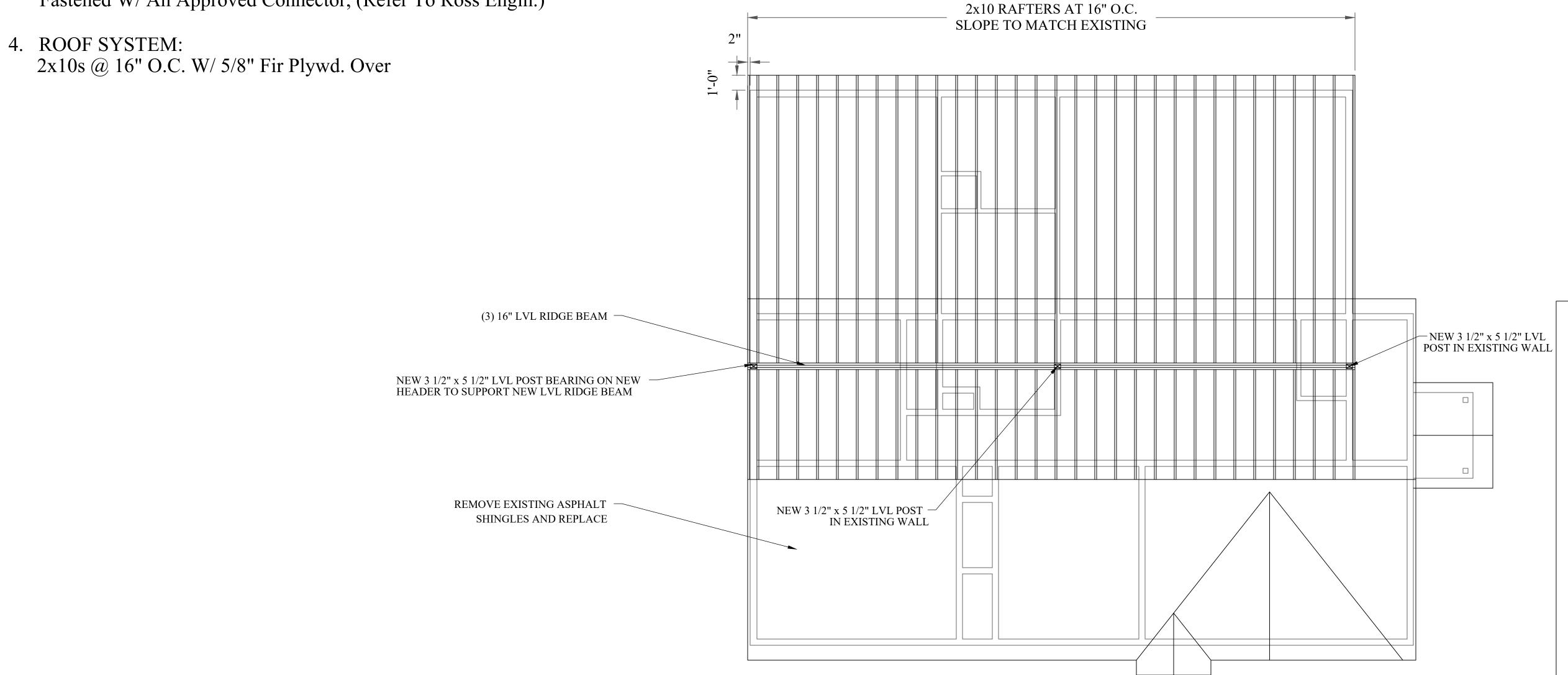
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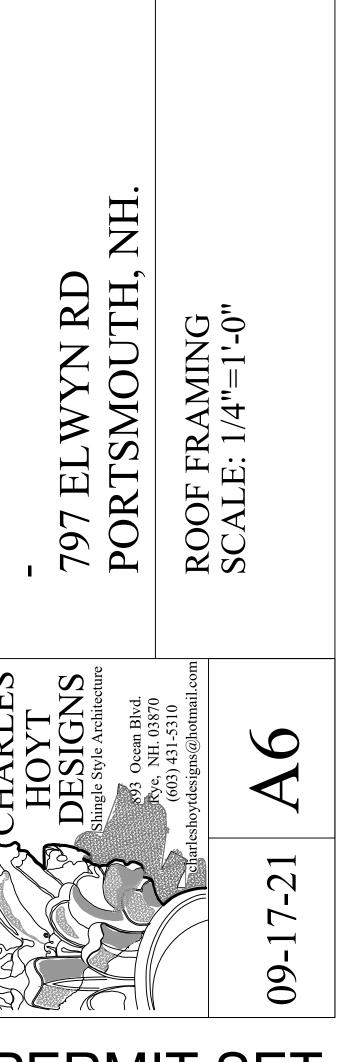
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NOTES:

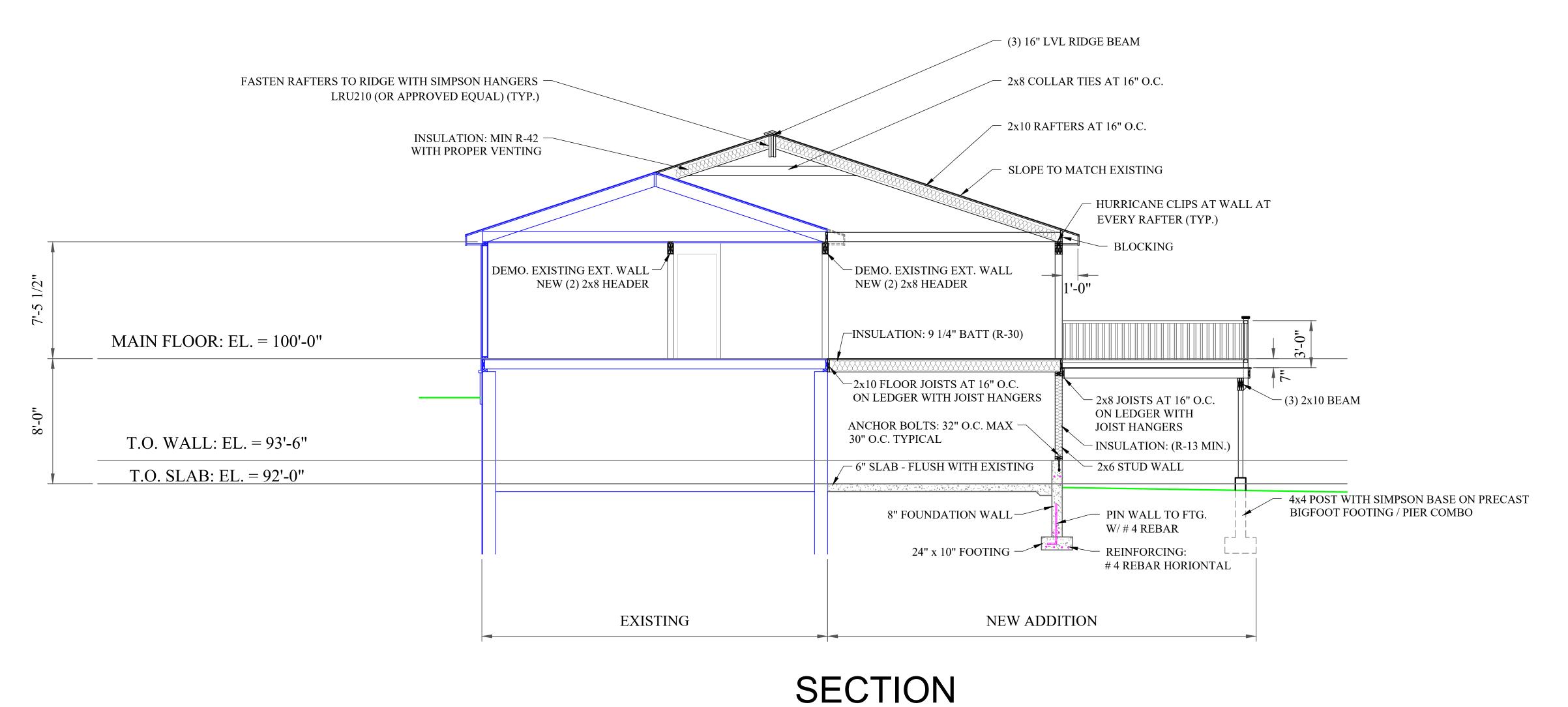
- 1. Hurricane Clips SIMPSON H2.5A (Or Approved Eq.) @ Wall @ Every Rafter (Typ.)
- 2. Fasten Rafters To Ridge W/ Simpson Hangers LRU210 (Or Approved Eq.)(Typ.)
- 3. All Structural Beam To Beam, Beam To Post, Fastened W/ An Approved Connector, (Refer To Ross Engin.)

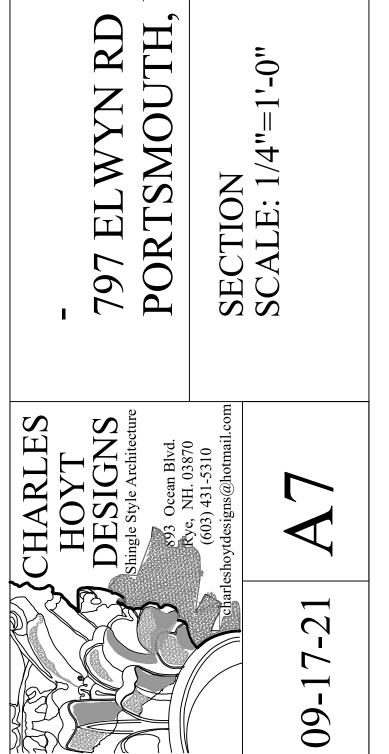


ROOF FRAMING PLAN



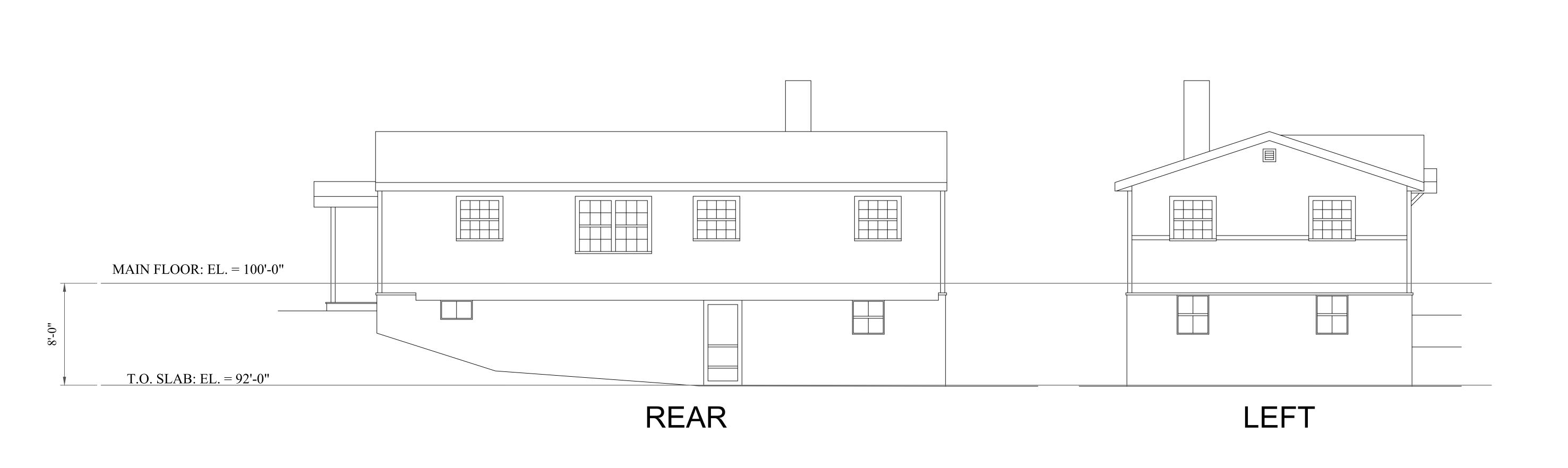
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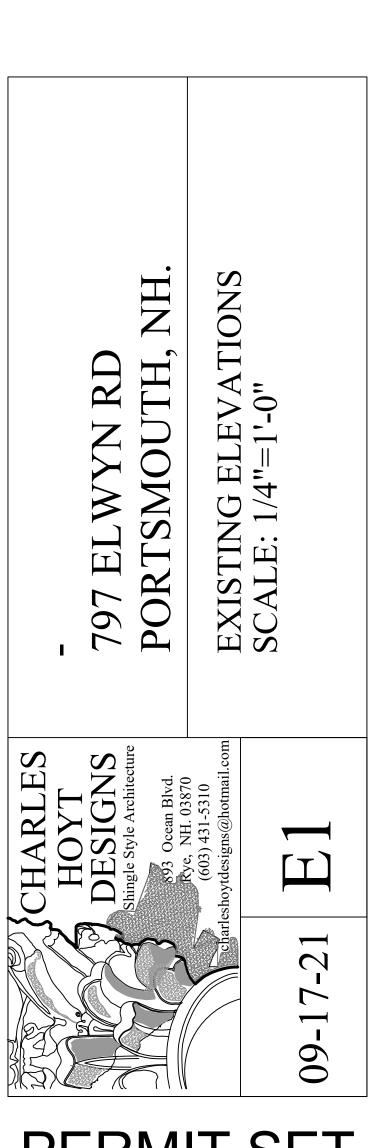




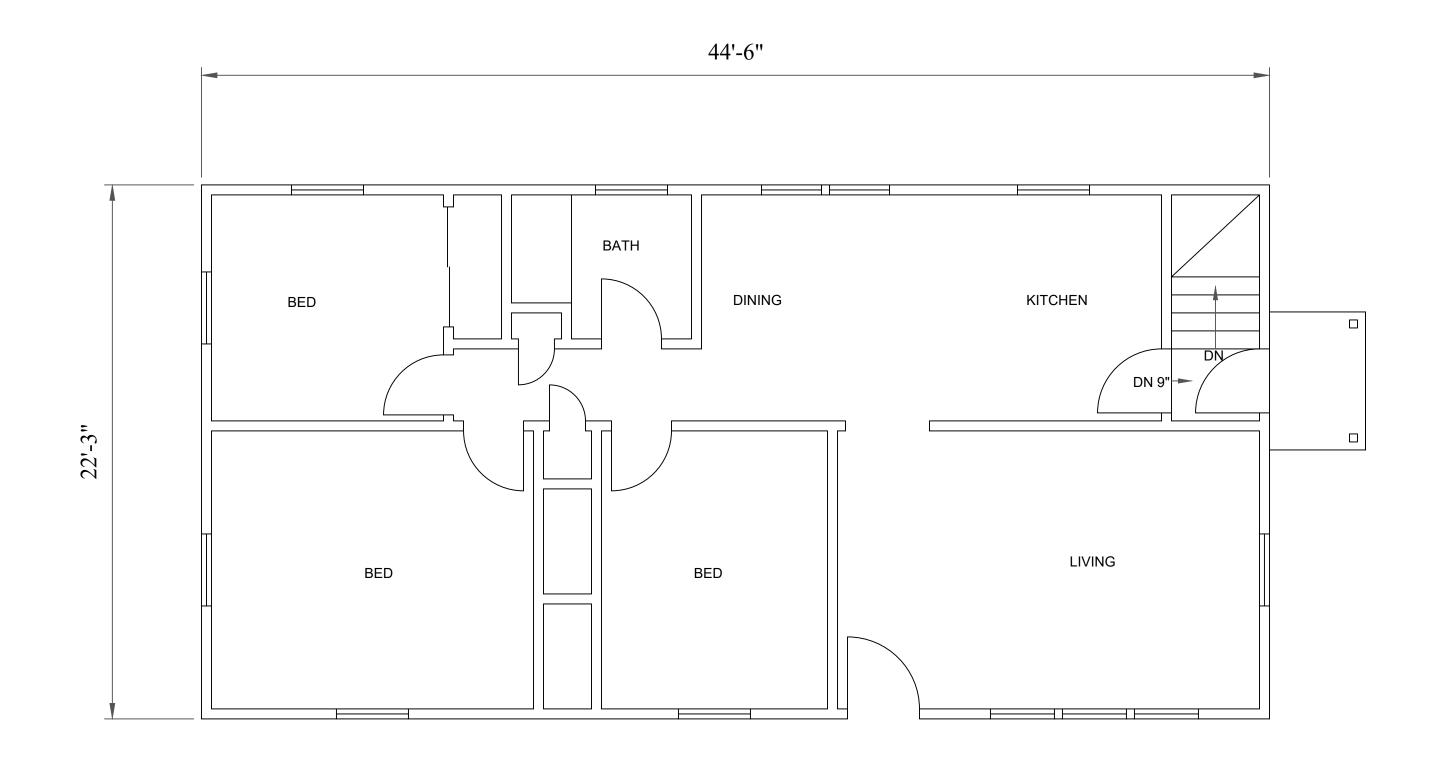
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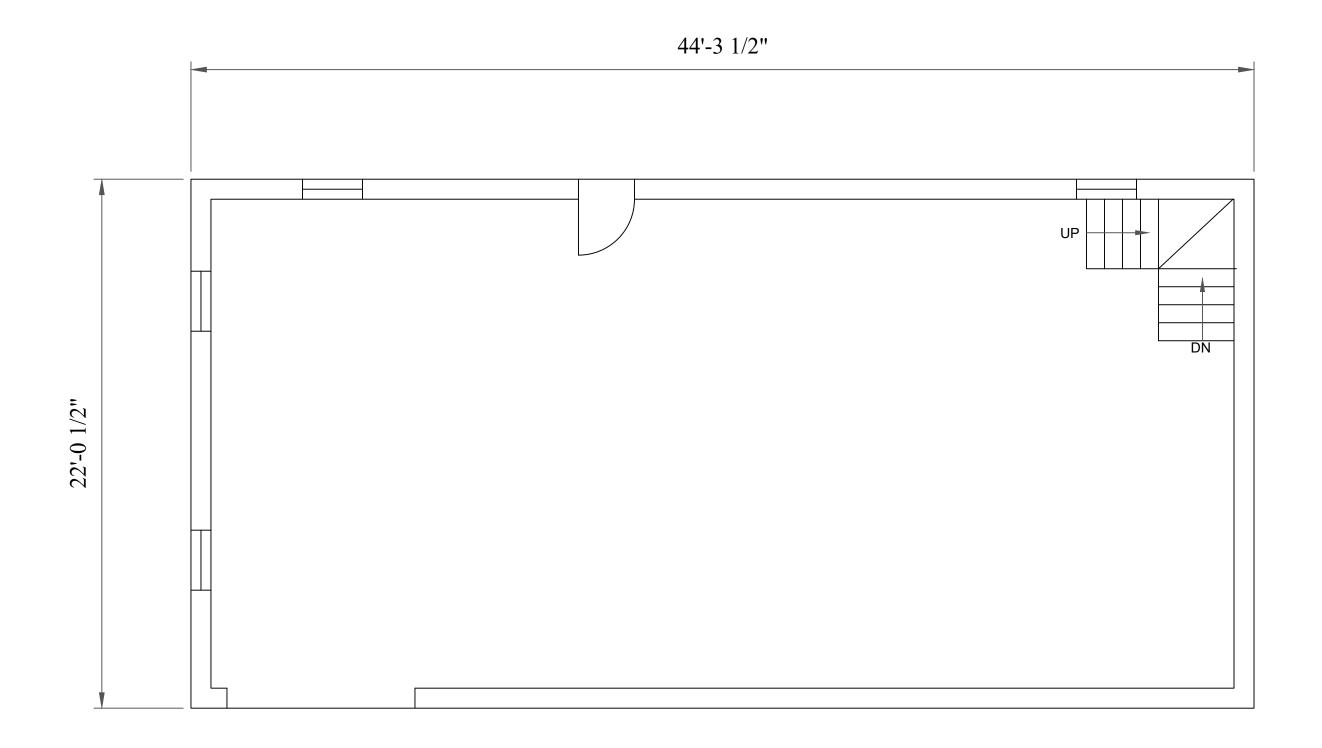




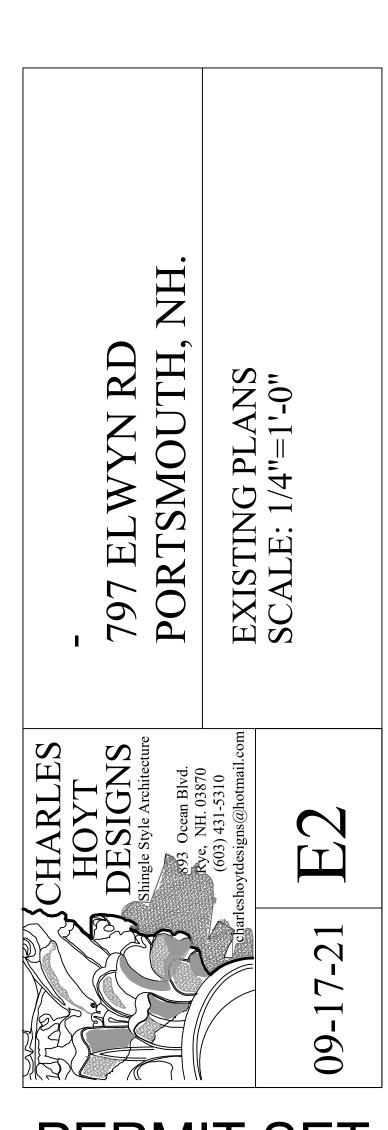
PERMIT SET



MAIN PLOOR



BASEMENT



PERMIT SET