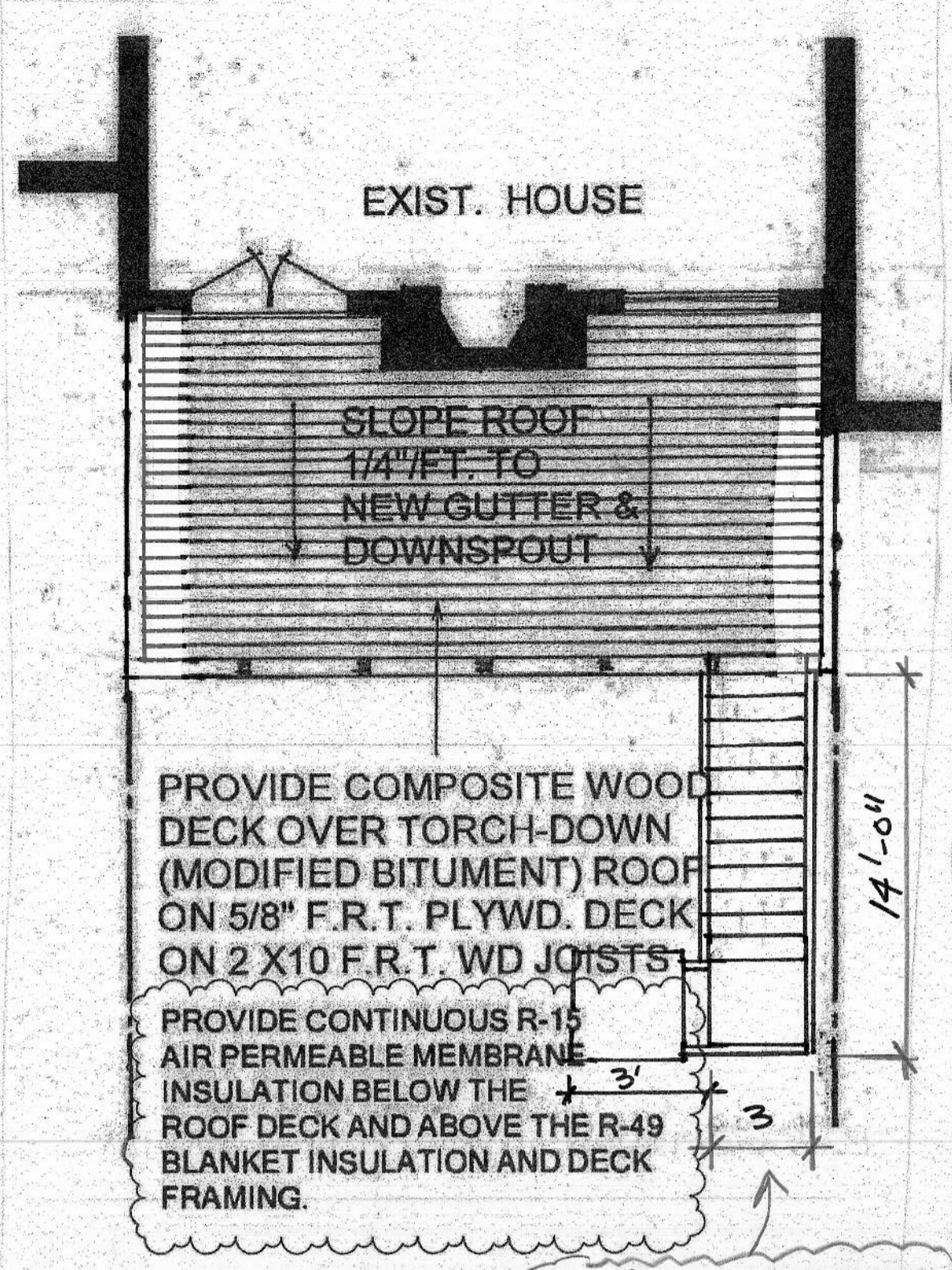


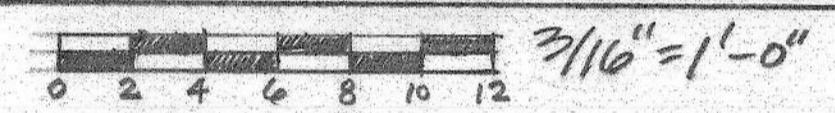
THE G.C. SHALL FOLLOW THE AIR BARRIER & INSULATION REQUIREMENTS STATED IN TABLE R402.4.1.1 BELOW

TABLE R402.4.1.1  
AIR BARRIER AND INSULATION INSTALLATION

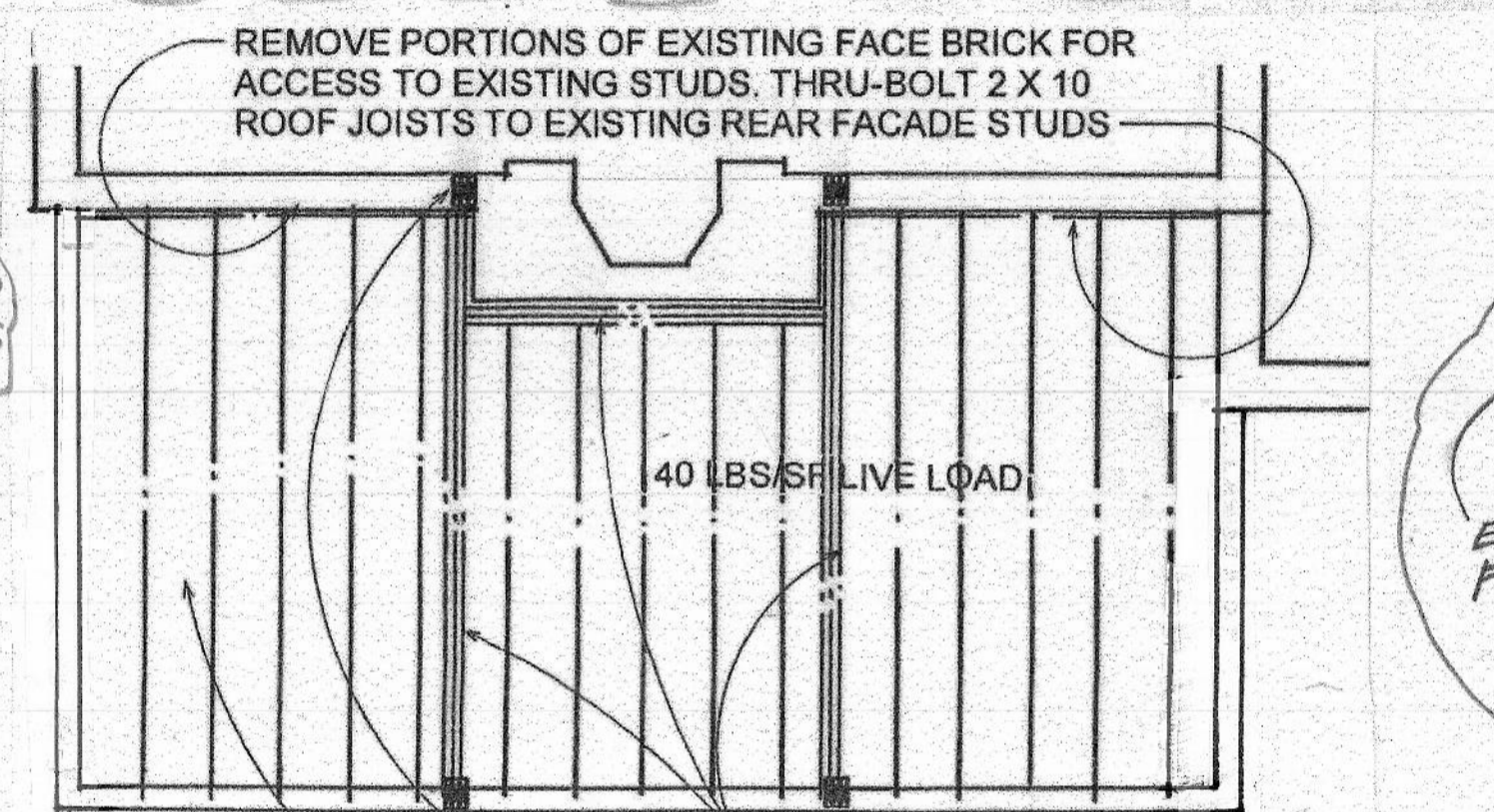
COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA
General requirements	A continuous air barrier shall be installed in the building envelope. The exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed.	Air-permeable insulation shall not be used as a sealing material.
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier shall be sealed. Access openings, drop down stairs or knee wall doors to unconditioned attic spaces shall be sealed.	The insulation in any dropped ceiling/soffit shall be aligned with the air barrier.
Walls	The junction of the foundation and sill plate shall be sealed. The junction of the top plate and the top of exterior walls shall be sealed. Knee walls shall be sealed.	Cavities within corners and headers of frame walls shall be insulated by completely filling the cavity with a material having a thermal resistance of R-3 per inch minimum. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier.
Windows, skylights and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.	Rim joists shall be insulated.
Rim joists	Rim joists shall include the air barrier.	Floor framing cavity insulation shall be installed to maintain permanent contact with the underside of subfloor decking, or floor framing cavity insulation shall be permitted to be in contact with the top side of sheathing, or continuous insulation installed on the underside of floor framing and extends from the bottom to the top of all perimeter floor framing members.
Floors (including above garage and cantilevered floors)	The air barrier shall be installed at any exposed edge of insulation.	



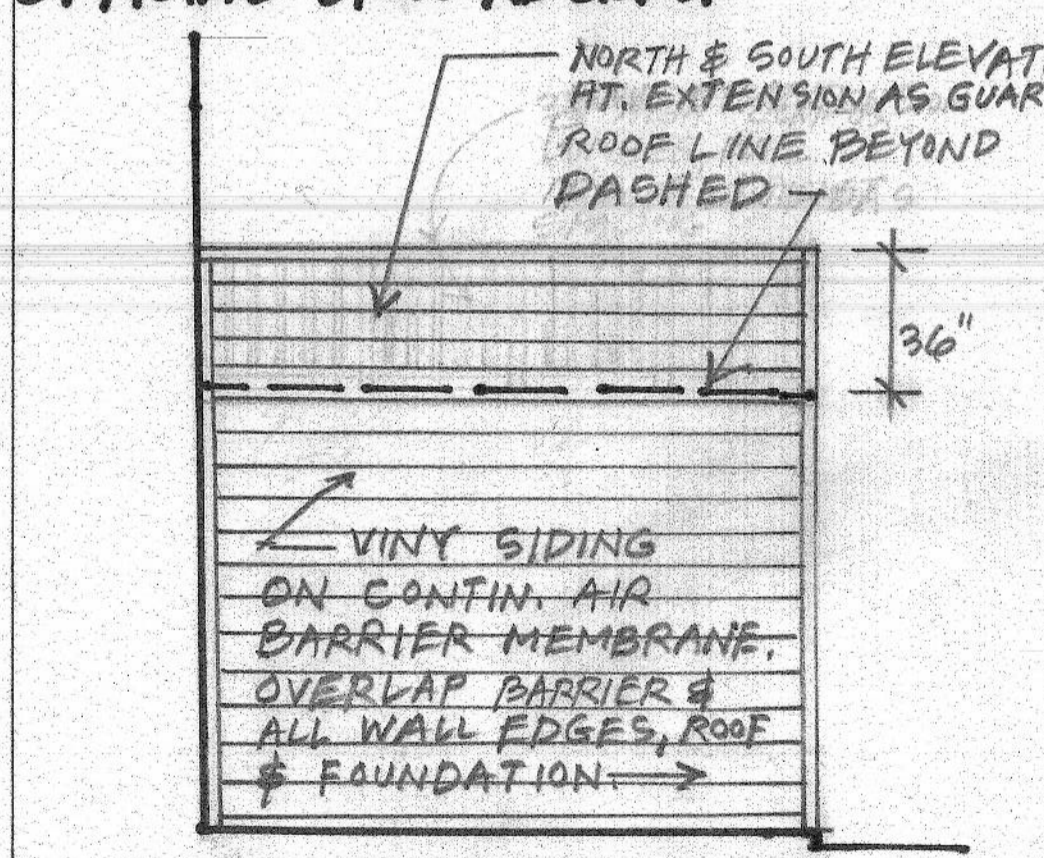
1 ROOF PLAN AT REAR ADDITION



**GENERAL NOTE:** PER IECC 403.2.2 THIS PROJECT IS REQUIRED TO SUBMIT AT FINAL, A PASSING RATINGS LESS THAN OR EQUAL TO 8CFM PER 100 SQUARE FEET CONDITIONED FLOOR AREA AT A PRESSURE OF 25 PASCAL. A WRITTEN REPORT OF THE TEST RESULTS SHALL BE SIGNED BY THE PARTY CONDUCTING THE TEST AND PROVIDED TO THE CODE OFFICIAL UPON REQUEST.

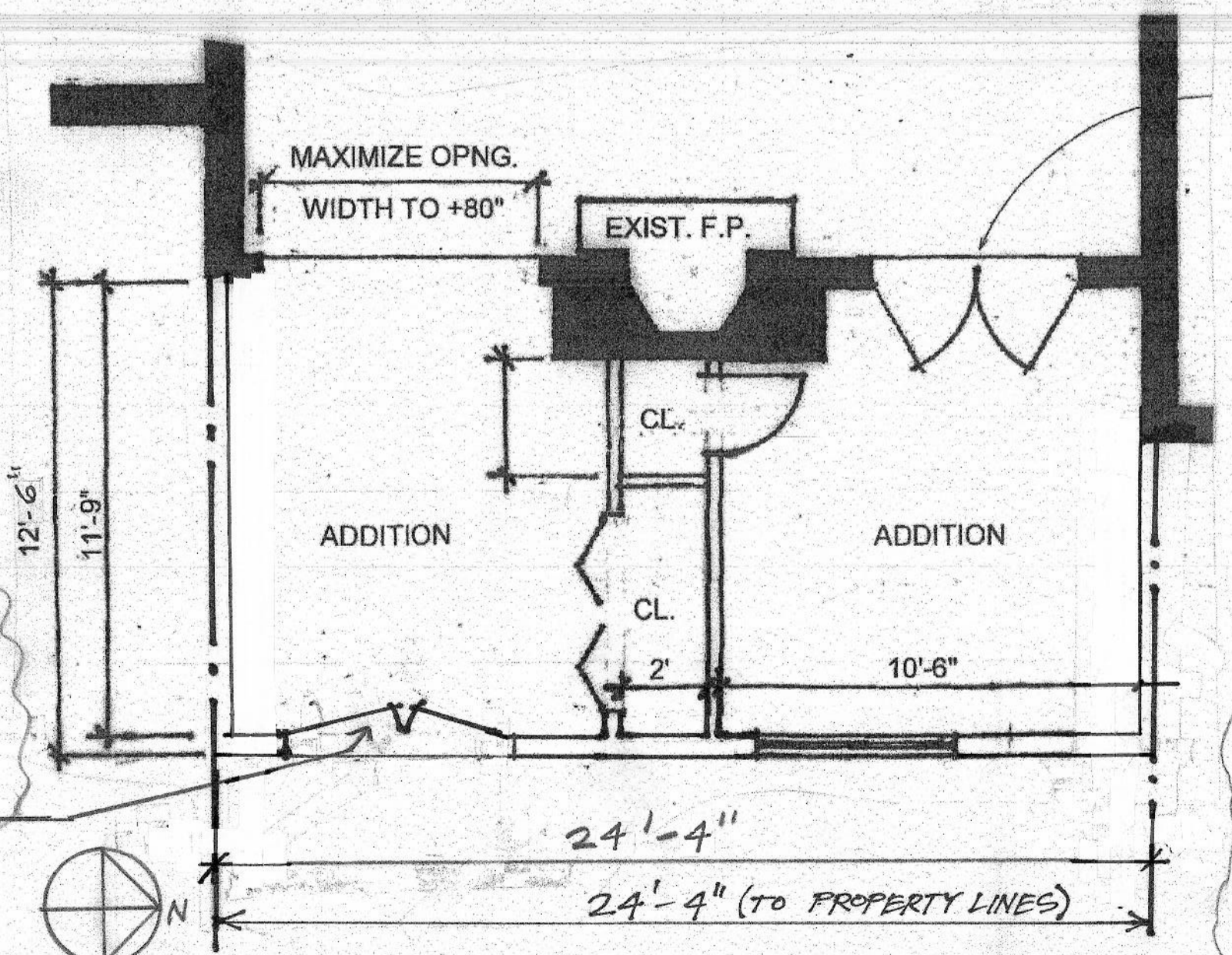


2 ROOF FRAMING PLAN AT REAR ADDITION



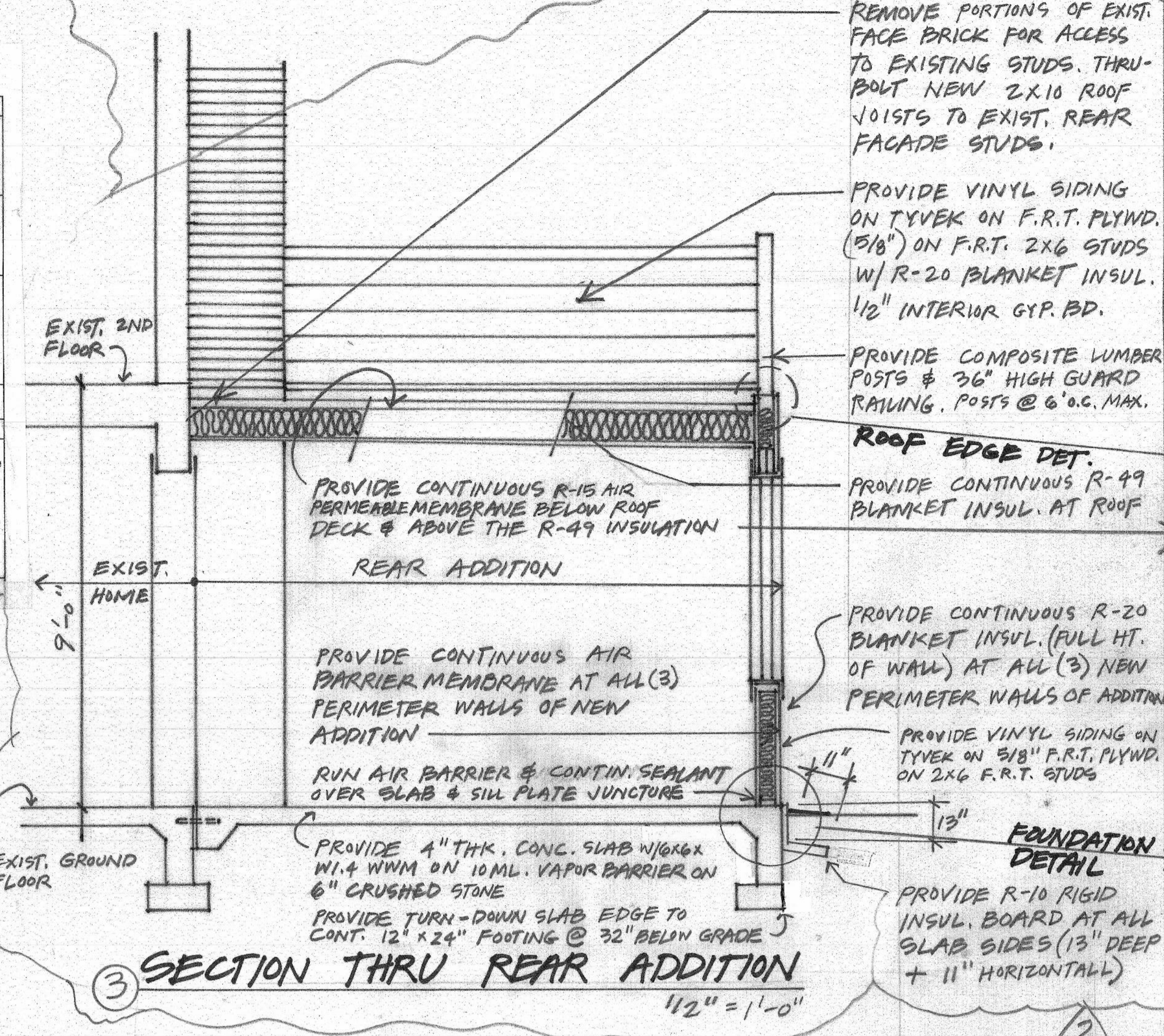
4 SOUTH ELEVATION

PROVIDE PRE-FINISHED & PRE-HUNG PAIR OF INSUL. FRENCH DOORS  
U-VALUE = .35  
SHGF = .40



5 ENLARGED PLAN AT REAR ADDITION

PROVIDE PRE-FINISHED & PRE-HUNG 72" X 80" INSUL. FRENCH DOORS  
U-VALUE = .35  
SHGF = .40  
PROVIDE AIR BARRIER FLASHING ALL SIDES - SEE SHEET A102B



3 SECTION THRU REAR ADDITION

REMOVE PORTIONS OF EXIST. FACE BRICK FOR ACCESS TO EXISTING STUDS. THRU-BOLT NEW 2X10 ROOF JOISTS TO EXIST. REAR FACADE STUDS.

PROVIDE VINYL SIDING ON TYVEK ON F.R.T. PLYWD. (5/8") ON F.R.T. 2X6 STUDS W/ R-20 BLANKET INSUL. 1/2" INTERIOR GYP. BD.

PROVIDE COMPOSITE LUMBER POSTS & 3/6" HIGH GUARD RAILING. POSTS @ 6" O.C. MAX.

ROOF EDGE DET.

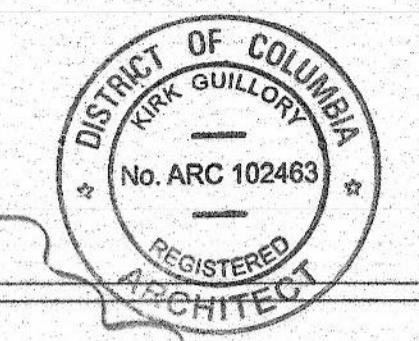
PROVIDE CONTINUOUS R-49 BLANKET INSUL. AT ROOF

PROVIDE CONTINUOUS R-20 BLANKET INSUL. (FULL HT. OF WALL) AT ALL (3) NEW PERIMETER WALLS OF ADDITION

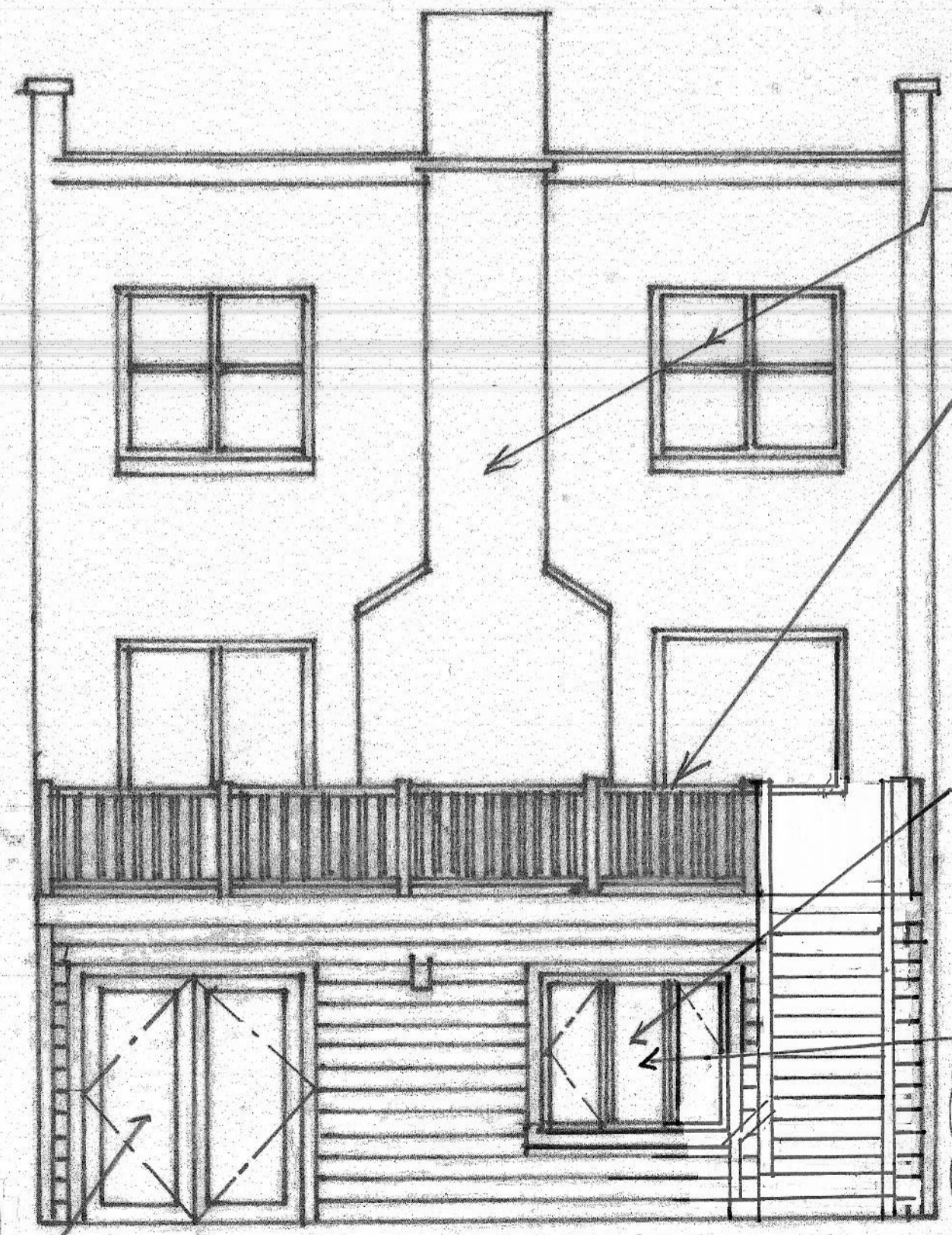
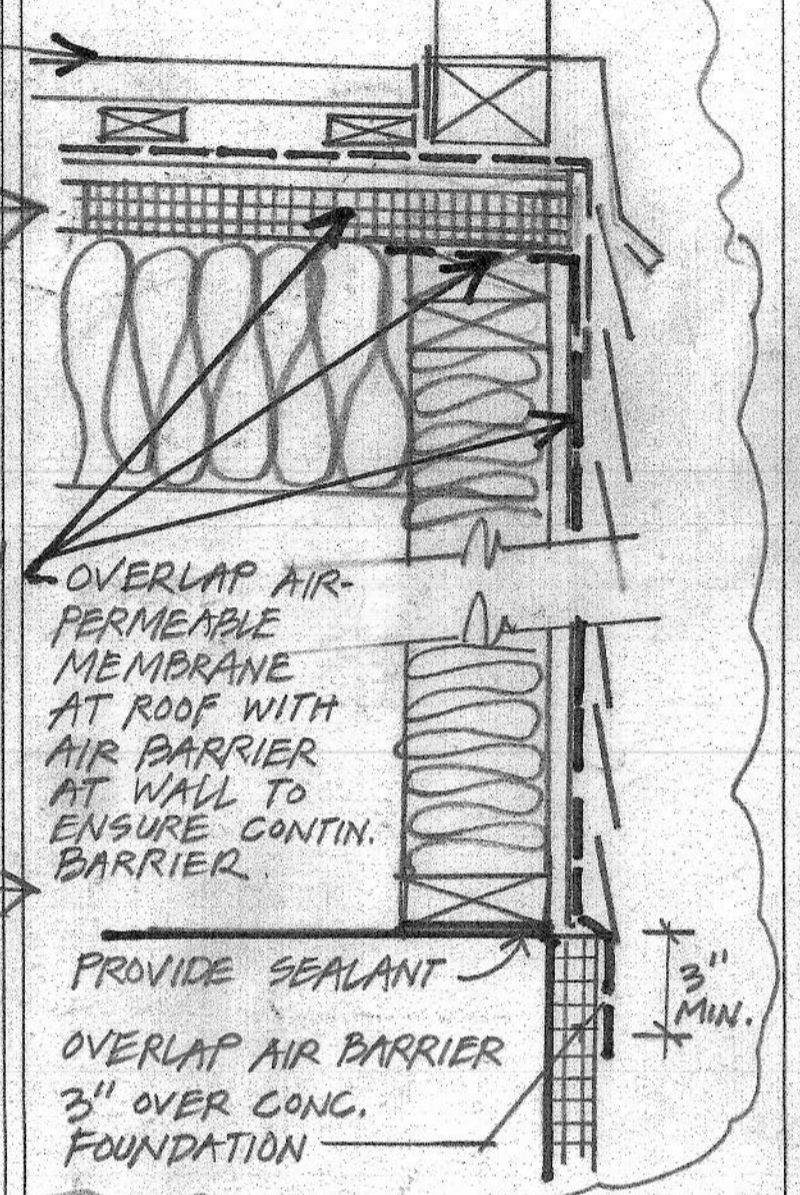
PROVIDE VINYL SIDING ON TYVEK ON 5/8" F.R.T. PLYWD. ON 2X6 F.R.T. STUDS

FOUNDATION DETAIL

PROVIDE R-10 RIGID INSUL. BOARD AT ALL SLAB SIDES (13" DEEP + 11" HORIZONTAL)



PREPARED BY  
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Laurel, Maryland 20723  
301-377-2912



6 REAR ELEVATION

No.	Description	Date
3	ADD REAR STEPS AT DECK	8.27.18

4821 43RD St., NW  
Washington,  
District of Columbia  
20016

REAR ADDITION  
PLANS & DETAILS

Project Number	Project Number
DEC. 8, 2017	
Drawn By	Author
Checked By	Checker
Date	A102
Scale	

12/7/2017 5:28:57 PM