

- RADIANT BARRIER
- RADIANT BARRIERS ARE REFLECTIVE FILMS, PAINTS, MEMBRANES, ETC., WITH THE PURPOSE OF REFLECTING AWAY FROM A SURFACE THE SUN'S RADIANT (HEAT) ENERGY. INSTALLED IN BUILDINGS, MANUFACTURES ARE CLAMING SIGNIFICANT ENERGY SAVINGS, ESPECIALLY FOR COOLING COSTS. ELECTRIC AIR CONDITIONING IS MORE EXPENSIVE PER "DEGREE CHANGE" THAN HEATING. WHERE MODERN HOUSEHOLD ENVIRONMENTS ARE CONTINUALLY "CONDITIONED" ANNUAL COOLING COSTS MAY EQUAL OR EXCEED HEATING COSTS.
- SHEATHING OPTION: SOME MANUFACTURERS ARE PROVIDING WALL AND ROOF SHEATHING WITH A FACTORY APPLIED FOIL FACE, HOWEVER SPRAY FOAM INSULATIONS MAY NOT ADHERE TO THESE FOIL FACES.
- 3. PAINT PRODUCT OPTION: SHERWIN WILLIAMS "E-BARRIER," APPLY PER MANUFACTURER'S RECOMMENDATIONS. DO CAREFUL COORDINATION WITH THE LOCAL REPRESENTATIVE. SURFACE COVERAGE DOES NOT HAVE TO BE PERFECT. ACHIEVE BEST COVERAGE AS IS PRACTICAL. THIS IS A SOFT METALLIC FINISH, AND SPRAY FOAMS WILL ADHERE.
- 4. SURFACES TO RECEIVE BARRIER:
- A. UNDERSIDE (INTERIOR) OF ALL ROOF SHEATHING
- B. INTERIOR SIDE OF ALL ATTIC GABLE WALLS, ESPECIALLY SOUTH AND WEST FACING.
- C. INTERIOR SIDE OF ALL ALL SOUTH AND WEST FACING OCCUPIED ROOM WALLS.

PERSPECTIVE VIEWS ARE FOR QUICK GRASP OF PROJECT, SEE PLANS AND ELEVATIONS FOR DETAILS.



PREFABRICATED WOOD TRUSSES

- 1. STANDARD: SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES PUBLISHED BY TRUSS PLATE INSTITUTE (TPI). QUALITY CONTROL MANUAL PUBLISHED BY TPI.
- 2. WOOD STRUCTURAL DESIGN STANDARD: NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION PUBLISHED BY N.F.P.A.
- 3. LUMBER: PROVIDE LUMBER GRADED BY A RECOGNIZED AGENCY, WITH RULES AND SERVICE COMPLYING WITH REQUIREMENTS OF AMERICAN LUMBER STANDARDS COMMITTEE AND PS 20. USE ONLY LUMBER PIECES WHICH BEAR INSPECTION SERVICE GRADE MARK.
- 4. FABRICATOR'S QUALIFICATIONS: MINIMUM OF 3 YEARS EXPERIENCE IN SUCCESSFUL FABRICATION OF TRUSSES COMPARABLE TO TYPE INDICATED FOR THIS PROJECT.
- 5. SHOP DRAWINGS: PROVIDE, SHOWING SPECIES, SIZES AND STRESS GRADES OF LUMBER TO BE USED: PITCH, SPAN, CONFIGURATION AND SPACING FOR EACH TYPE OF TRUSS REQUIRED, TYPE, SIZE, MATERIAL, FINISH, DESIGN VALUES, AND LOCATION OF METAL CONNECTOR PLATES; AND BEARING AND ANCHORAGE DETAILS SHALL BE SUBMITTED FOR REVIEW BY ARCHITECT BEFORE FABRICATION OF TRUSSES.
- 6. CERTIFICATION: SHOP DRAWINGS MUST BEAR THE SEAL OF A PENNSYLVANIA
- REGISTERED PROFESSIONAL ENGINEER. 7. LOADING: LIVE + DEAD LOADS FOR EASTERN PA.

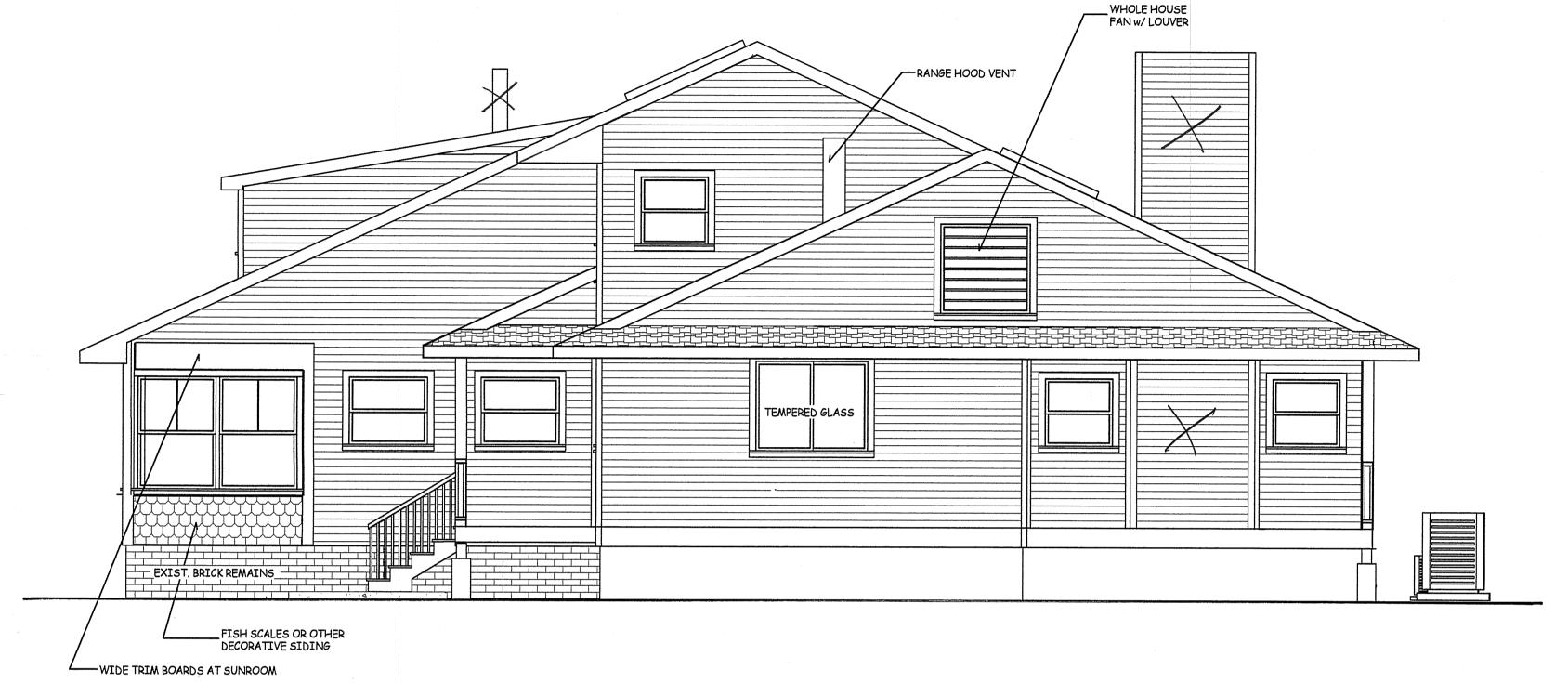
GARAGE - FROM DECK

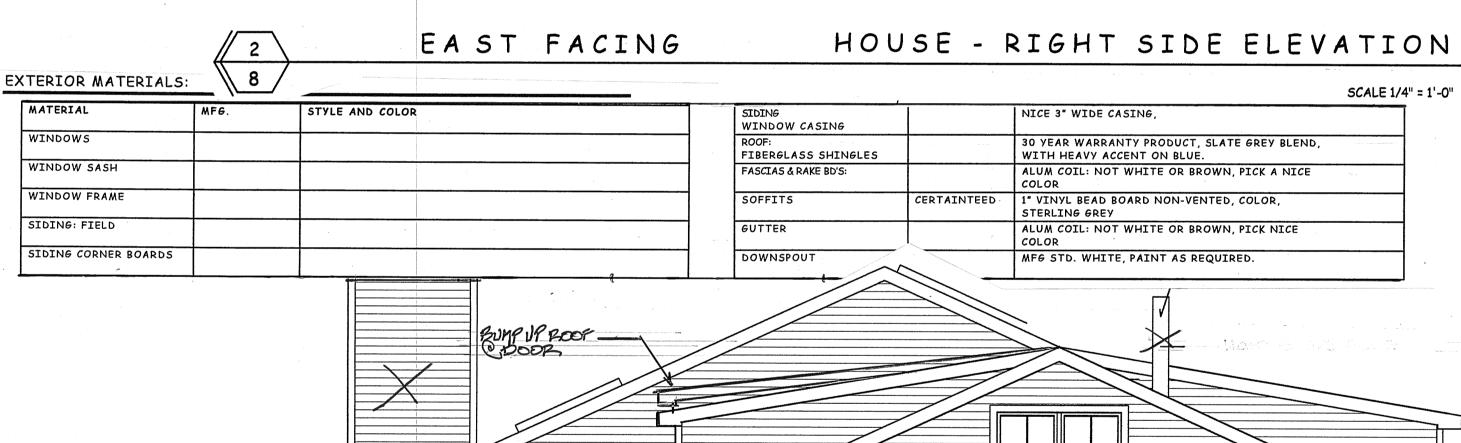
A. TOP CHORD ROOF TRUSSES - LIVE LOAD 30 PSF + DEAD LOAD TRUSSES + SHEATHING

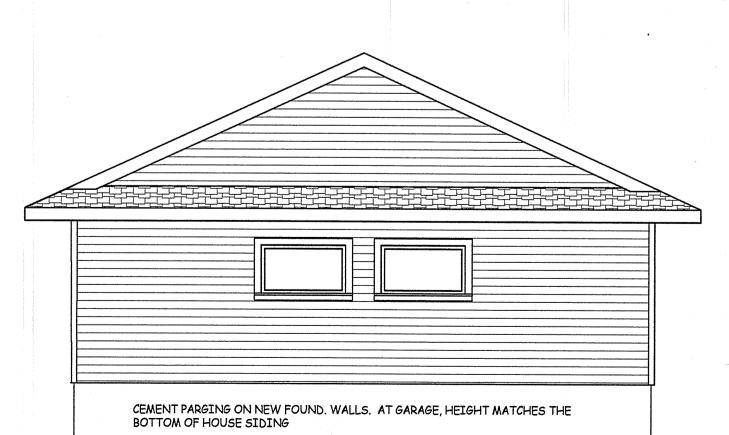


455 GAT 3 FOR ALTERED DECKLAYOUT

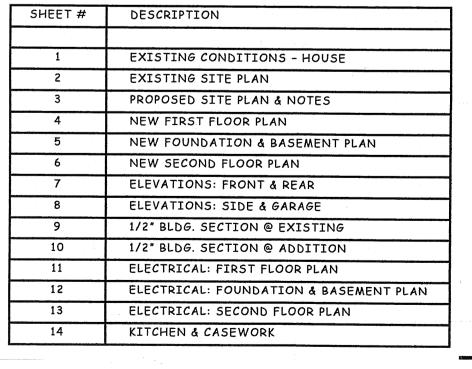
SCALE 1/4" = 1'-0"



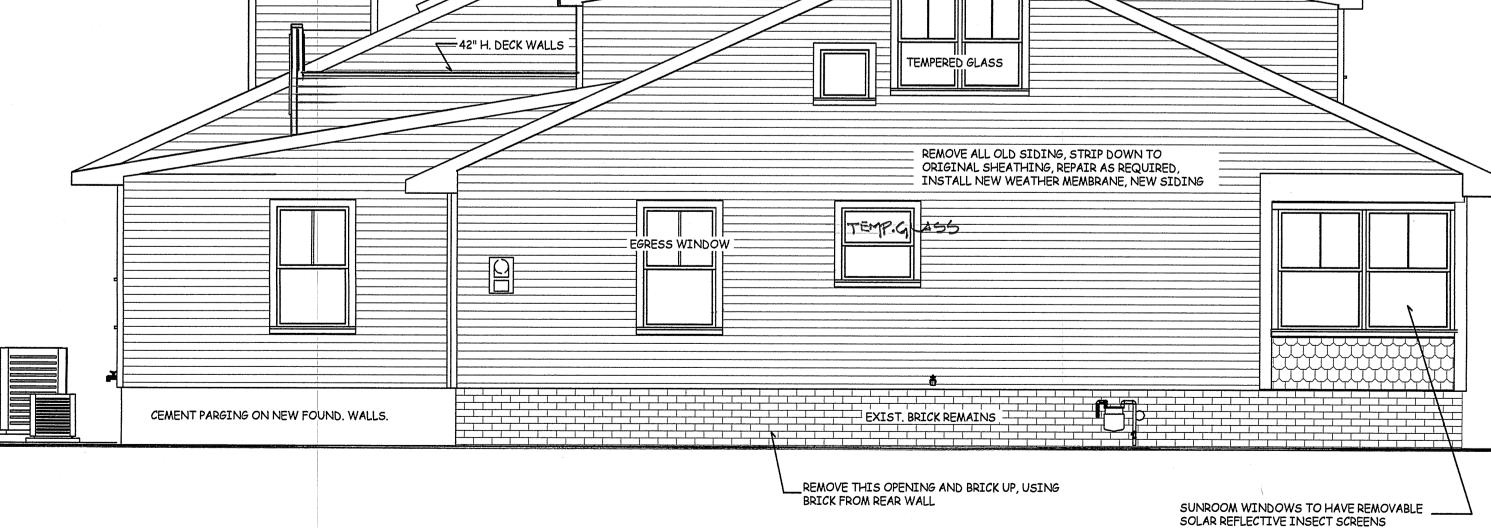




WEST FACING



INDEX OF DRAWINGS



EAST FACING GARAGE - RIGHT SIDE

SCALE 1/4" = 1'-0"

WEST FACING

HOUSE - LEFT SIDE ELEVATION

SCALE 1/4" = 1'-0"

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NOT VALID FOR PERMITS UNLESS AFFIXED WITH EMBOSSED SEAL & ORIGINAL SIGNATURE IN RED