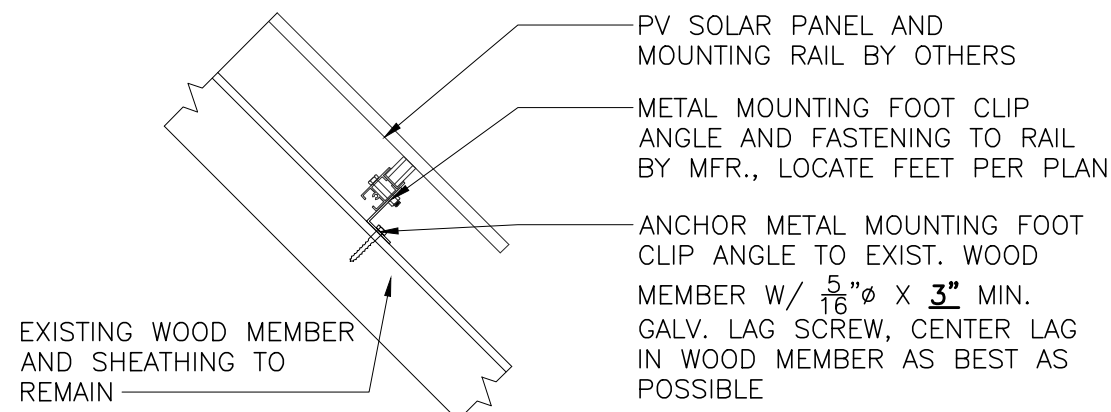
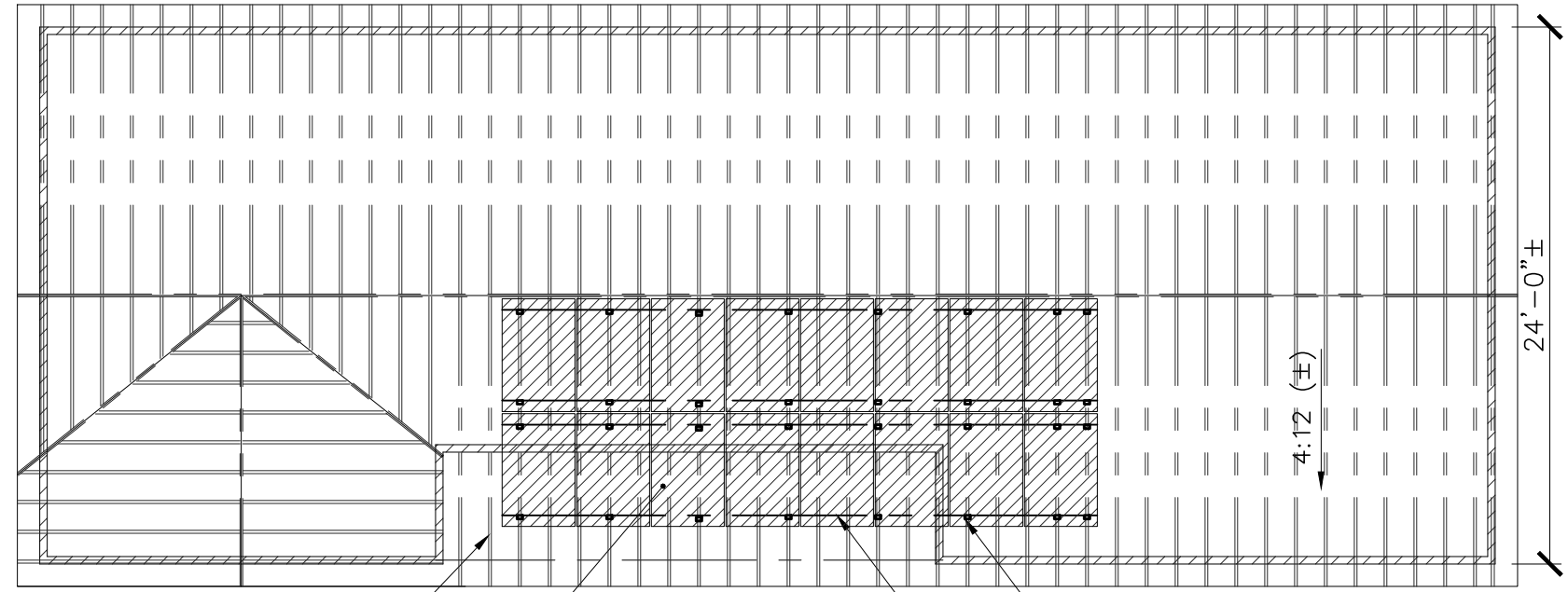


GENERAL NOTES

- Existing rafters have been analyzed based upon indicated sizes, spacings, and spans. Rafters have been confirmed by the installer to be 2x6 Southern Yellow Pine No. 2 Grade (SYP #2).
- Analysis performed using the design procedures included in the 2018 IBC and based upon a nominal design wind speed of 120 mph and ground snow load of 15 psf. Exposure B.
- Installer has verified the member sizes, grade stamps, truss spans, and spacing in field. Anomalies such as wider spacings, additional loads (such as HVAC equipment), and/or deflected, bowed, or damaged framing members shall be brought to the engineer's attention immediately.
- Metal rails, clips, and other support hardware shall be provided by others. See provider's cut sheets for material information and fastening details.
- Photovoltaic (PV) solar panels as analyzed based upon the criteria: approximate size of 3'-3" x 5'-6" and weigh approximately 47 pounds each. Exact manufacturer and model chosen and installed by installer.
- Work not indicated on a part of the drawings, but reasonably implied to be similar to that shown at corresponding pieces, shall be repeated.
- These structural drawings are intended solely to address the adequacy of the existing roof framing components to support the additional loads imposed by the installation of the indicated PV solar panels in accordance with the load requirements of the 2018 North Carolina Residential Code. All other components of the existing house, both structural and otherwise, are outside the scope of these drawings.
- Install water-tight flashing and/or caulking around all roof penetrations as required by IRC.
- Fasteners for preservative treated and fire retardant-treated wood shall be hot-dipped zinc coated galvanized steel, stainless steel, silicon bronze, or copper per IBC 2304.9.5.



TYP. ATTACHMENT TO ROOF

SCALE: 1" = 1'-0"

EXISTING RAFTERS @ 16"± O.C. TO REMAIN

(2) ROWS OF (8) PV SOLAR PANELS IN PORTRAIT LAYOUT (16 TOTAL), SEE PLAN BY INSTALLER

FRONT OF BUILDING

"L" MOUNTING FOOT BY MFR., SPACE MTG. FEET @ 4'-0" O.C. MAX. (32 TOTAL), AND FASTEN TO RAFTERS PER DETAIL

(2) METAL RAILS PER ROW OF PANELS, DESIGN AND FASTENING BY MFR.

PANEL INSTALLATION PLAN

SCALE: 1/8" = 1'-0"

AAPCO / SOLAR TYME
 JOB #821182 CASTENEDA RESIDENCE
SOLAR PANEL INSTALLATION PLAN

DRAWN BY ADD
 DESIGNED BY ADD
 CHECKED BY NKG
 DATE 2019-05-03
 SCALE AS NOTED

REVISIONS: