SNAPNRACK TOPSPEED SOLAR PANEL MOUNTING SOLUTION INSTALLED ON COMPOSITION **REVISION:** SHINGLE ROOF 1 1/28/2022 NEW DETAIL A 5/27/2022 DC001090 B 7/28/2022 DC001321 FOR ATTACHMENT SPECIFICATIONS, SEE: C 6/27/2023 DC002806 "SNR-DC-30004 TOPSPEED, ATTACHMENT DETAIL, MOUNT TO WOOD DECK" FOR MOUNT PLACEMENT SPECIFICATIONS, SEE: "SNR-DC-30005 TOPSPEED, MOUNT PLACEMENT ON SOLAR PANEL" FOR SPECIAL CASE INSTALLATIONS SEE: "SNR-DC-30007 TOPSPEED, SPECIAL CASE INSTALLATION" TOPSPEED MOUNTS BOND ROW TO ROW IN A SINGLE COLUMN. TOPSPEED CLAMP FRONT ROW SKIRT PROVIDES BONDING ACROSS COLUMNS. SOLAR PANEL CANTILEVER SUPPORT NO SOLAR PANEL SHALL CANTILEVER MORE THAN 1/4 SOLAR PANEL LENGTH OR WIDTH DEPENDING ON ORIENTATION, UNLESS FOR MANUFACTURER SPECIFIED CLAMPING ZONE. A TOPSPEED MOUNT TOPSPEED MOUNT OR TOPSPEED CLAMP MAY BE USED TO SATISFY THIS CONDITION. ROOF AND SOLAR PANEL ATTACHMENT TOPSPEED CLAMP SINGLE SOLAR PANEL ARRAYS SHALL USE MIN. (4) MOUNTS WITH MIN. TWO MOUNTS ON EACH LEADING EDGE. ³/₄" GAP STANDARD SOLAR PANEL, **UPSLOPE OVERHANG:** 2"-6" FROM SOLAR PORTRAIT ORIENTATION SEE "SNR-DC-30005 TOPSPEED, MOUNT TO PANEL EDGE SOLAR PANEL PLACEMENT SPECS" **DOWNSLOPE OVERHANG:** ADD TOPSPEED CLAMP IF GREATER THAN (SOLAR PANEL LENGTH / 4) FOR LANDSCAPE, OR (SOLAR PANEL WIDTH / 4 FOR PORTRAIT DETAIL A $\frac{3}{4}$ " GAP TOPSPEED CLAMP PLACEMENT ONLY 2 MOUNTS ARE REQUIRED ON UNSHARED SOLAR PANEL EDGES THAT RUN PARALLEL TO EAVES AND RIDGES, SUCH AS THE TOP AND **BOTTOM EDGES OF THE ARRAY** EACH SHARED EDGE OF A SOLAR PANEL MUST HAVE THE QUANTITY OF MOUNTS COMPOSITION SHINGLE PRESCRIBED BY THE MOUNTING TABLES. ROOF MATERIALS, TYP. STANDARD SOLAR PANEL SEE SNR-DC-30007 FOR THE USE OF LANDSCAPE ORIENTATION WOOD ROOF SPECIAL CASE TABLES. DECKING, TYP. TOPSPEED CLAMP TOPSPEED CLAMP OR RL-U LINK CONNECTS SKIRT PIECES AND PROVIDES BONDING PATH ROOF RAFTER, TYP. **OVERVIEW** Sunrun South LLC DESIGNER: M.AFFENTRANGER SCALE: DRAWING NUMBER: **DESCRIPTION:** REV: NTS 595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA PHONE (415) 580-6900 • FAX (415) 580-6902 M.AFFENTRANGER TOPSPEED, SYSTEM OVERVIEW ON COMP DRAFTER: SNR-DC-30006 DATE: THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. AN REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC. 6/27/2023 **Solar Mounting Solutions** APPROVED BY: B.PETERSON