THE SNAPNRACK SIMPLE TILT IS A SIMPLE **REVISION: SNAPNRACK** 5/7/2019 NEW DETAIL SOLUTION FOR INSTALLATIONS REQUIRING PV MODULE, **MODULE CLAMPS** 3/29/2023 12/18/2023 DC001948 DC001948 MKW MODULE TILT BEYOND THE EXISTING ROOF LANDSCAPE ORIENTATION MJA 12/27/2023 DC003433 MJA PV MODULE, TYP. 2/11/2025 HDW REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. SNAPRNACK SIMPLE TILT ANGLE: *ALTERNATE FASTENERS AND STRUCTURAL TILT BACK LEG, LANDSCAPE SUBSTRATES ARE PERMITTED. SNAPNRACK'S **SNAPRNACK SIMPLE** STANDARD ENGINEERING REQUIRES TILT FRONT LEG MINIMUM FASTENER ALLOWABLE CAPACITIES OF **532 LBS** WITHDRAWAL AND **270 LBS** SHEAR. CAPACITIES LOWER THAN SNAPRNACK SIMPLE THIS WILL REQUIRE SITE-SPECIFIC MOUNT SPACING: TILT BACK LEG, LANDSCAPE 2'-0" **ENGINEERING** TILT ANGLE STRUCTURAL MEMBER REFER TO THE SNAPNRACK INSTALLATION (CONCRETE SHOWN) LANDSCAPE ORIENTATION MANUAL FOR TORQUE SPECIFICATIONS SNAPNRACK, ULTRA RAIL FOR ADDITIONAL SYSTEM REQUIREMENTS, INCLUDING MODULE OVERHANG, SEE "SNR-DC-00329 ULTRA RAIL, SYSTEM *MINIMUM EMBEDMENT, SNAPRNACK SIMPLE OVERVIEW, TYPICAL" VARIES BY FASTENER AND TILT FRONT LEG **SEAL PENETRATION** STRUCTURAL MEMBER **APPROPRIATELY** THE SIMPLE TILT FEATURES 1" OF VERTICAL TO MEET MINIMUM ADJUSTABILITY FOR LEVELING RAILS CAPACITY REQUIREMENTS FIXED TILT, LANDSCAPE ORIENTATION RAILS CAN BE MOUNTED UPSLOPE OR DOWNSLOPE OF THE TILT LEGS PV MODULE, REVERSE TILT APPLICATIONS ARE NOT PORTRAIT ORIENTATION **ROOF ATTACHMENT SUPPORTED** FASTENER, VARIES SNAPRNACK SIMPLE DETAIL A TILT BACK LEG, PORTRAIT PENETRATION DETAIL SNAPNRACK, ULTRA RAIL **SNAPNRACK** SNAPRNACK SIMPLE MODULE CLAMPS PV MODULE, TYP. TILT BACK LEG, PORTRAIT SNAPRNACK SIMPLE TILT FRONT LEG TILT ANGLE: STRUCTURAL MEMBER (CONCRETE SHOWN) MOUNT SPACING: SNAPRNACK SIMPLE 4'-0" TILT FRONT LEG TILT ANGLE PORTRAIT ORIENTATION FIXED TILT, PORTRAIT ORIENTATION SNR SOLAR LLC DESIGNER: M.AFFENTRANGER SCALE: DRAWING NUMBER: **DESCRIPTION:** REV: DNS 75 FIERO LANE, SUITE 200, SAN LUIS OBISPO, CA 93401 USA EMAIL: CONTACT@SNAPNRACK.COM ULTRA RAIL, SYSTEM DETAIL, SIMPLE TILT D DRAFTER: H.WULFEKOETTER SNR-DC-00338 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND DATE: PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE 2/11/2025 **Solar Mounting Solutions**

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