

USE TILT KIT OPTION FOR INSTALLATIONS THAT REQUIRE MODULES TO BE TILTED ABOVE THE EXISTING ROOF SLOPE

SYSTEM SHOWN IS DESIGNED FOR TILT ANGLES FROM 10 TO 30 DEGREES ABOVE ROOF SURFACE ON STANDING SEAM METAL ROOFS

INSTALL ALL L-FEET IN ORIENTATION SHOWN

TORQUE $\frac{5}{16}$ " \varnothing HARDWARE TO THE FOLLOWING MINIMUM VALUES UNLESS OTHERWISE NOTED:

- SILVER S.S. 16 FT-LBS
- BLACK S.S. 9 FT-LBS

REFER TO ENGINEERING CHARTS FOR RAIL SPAN BASED ON MODULE TILT ANGLE, WIND SPEED, AND SNOW LOAD

BACK SUPPORT LEG IS FABRICATED FROM A SECTION OF STANDARD RAIL. CALCULATE REQUIRED TILT LEG LENGTH AND CUT RAIL TO LENGTH.

FOR LOWER TILT APPLICATIONS SEE "S100-D12 LOW TILT KIT" AND "S100-D13 MEDIUM TILT KIT" AS REQUIRED

FOR MODULE OVERHANG REQUIREMENTS SEE "S100-D07 TYPICAL LAYOUT"

FOR LEVELING REQUIREMENTS SEE "S100-D08 RAIL LEVELING"

SNAPNRACK RAIL END CAP CAN BE USED TO COVER CHANNEL IN REAR TILT LEG

REVISION:		
G	11/28/2017	UPDATES
ECF		

ANGLE TILT LEG $90^\circ \pm 5^\circ$
RELATIVE TO THE MODULE

MAXIMUM 1" FROM TOP OF
CHANNEL NUT TO END OF
RAIL TO MINIMIZE POTENTIAL
MODULE BACKSHEET CONTACT

MAX LENGTH: 4'-0"
WITH STANDARD
ENGINEERING

SNAPNRACK MID CLAMP
ASSEMBLY, VARIES
CLAMP ASSEMBLY SHALL BE
SELECTED TO MATCH
PV MODULE

SNAPNRACK STANDARD
RAIL, TYP.

SNAPNRACK BONDING
CHANNEL NUT, TYP.

SNAPNRACK CHANNEL NUTS,
TORQUE TO 10-16 FT-LBS WHEN
USING WEEBS. WHEN USING
SNAPNRACK BONDING CHANNEL
NUTS, TORQUE TO 14-16 FT-LBS.
WEEBS ARE NOT REQUIRED WITH
BONDING CHANNEL NUTS.

$\frac{5}{16}$ " \varnothing -18 X $1\frac{1}{4}$ " S.S.
SERRATED FLANGED BOLT, TYP.

ALL PURPOSE 90° L-FOOT, TYP.

CUT REAR TILT LEG FROM
STANDARD RAIL

SNAPNRACK SEAM CLAMP
WIDE OR STANDARD BASE

SNAPNRACK ALL PURPOSE 90° L-FOOT
INSTALL IN ORIENTATION SHOWN
WITH LONG SIDE ATTACHED TO RAIL

SNAPNRACK
MID CLAMP ASSEMBLY, TYP.

$\frac{5}{16}$ " \varnothing SERRATED FLANGED NUT

SNAPNRACK SEAM CLAMP
WIDE OR STANDARD BASE