

**Quadro Testing (As of January 30, 2003)**

Panel	Type	Test Type	Width	Ga.	Decking	Fastener Spacing
1.5" Nail Strip	Wind Uplift	UL 580 -- # 587	14.5"	24 CRS	5/8 Plywood	18 in
1.5" Nail Strip	Wind Uplift	ASTM 1592	12"	24 CRS	Open Purlins	
1.5" Nail Strip	Flexural Strength	ASTM 330	12	24 CRS	Open Purlins	12 in
1.5" Nail Strip	Hail	UL Class 4	15	26 CRS	5/8 Plywood	18 in
1.5" Nail Strip	Wind Uplift	Dade 140 MPH	15	24 CRS	5/8 Plywood	12 in
1.5" Nail Strip	Wind Uplift	Dade 80 MPH	15	24 CRS	½ Plywood	12 in
1.5" Nail Strip	Impact	Dade Impact	15	24 CRS	5/8 Plywood	18 in
1.5" Nail Strip	Hail	UL Class 4	15	24 CRS	5/8 Plywood	18 in
1.5" Nail Strip	Water	Wind Driven Rain		24 CRS	5/8 Plywood	18 in
1.5" Nail Strip	Wind Uplift	UL #580-601	16	22 CRS	5/8 Plywood	16 in
1.5" Snap Seam	Wind Uplift	UL #580 -- # 589	16.5	24 CRS	5/8 Plywood	36 in
1.5" Snap Seam	Flexural Strength	ASTM 330	16	24 CRS	Open Purlins	
1.5" Snap Seam	Air	ASTM 283	16	24 CRS	Open Purlins	36 in
1.5" Snap Seam	Water	ASTM 331	16	24 CRS	5/8 Plywood	36 in
1.5" Snap Seam	Hail	UL Class 4	16	26 CRS	5/8 Plywood	36 in
1.5" Snap Seam	Wind Uplift	Dade 140 MPH	16	24 CRS	5/8 Plywood	48 in
1.5" Snap Seam	Wind Uplift	Dade 90 MPH	16	24 CRS	½ Plywood	
1.5" Snap Seam	Impact	Dade Impact	15	24 CRS	5/8 Plywood	36 in
1.5" Snap Seam	Hail	UL Class 4	16	24 CRS	5/8 Plywood	36 in
1.5" Snap Seam	Water	Wind Driven Rain	16	24 CRS	5/8 Plywood	36 in
1.5" Snap Seam	Wind Uplift	ASTM 1592	16	24 crs	Open Purlin	
1.5" Snap Seam	Wind Uplift	ASTM 1592	16	24 crs	Open Purlin	
1" Nail	Wind Uplift	UL 580	16"	24 CRS	½ Plywood	12 in

Wind Up-Lift Summary						
roof panel description	<b>1.5 Nail Strip</b>	<b>1.5 Nail Strip</b>	<b>1.5 Snap Seam</b>	<b>1.5 Snap Seam</b>		
material	24 ga Steel	24 ga Steel	24 ga Steel	24 ga Steel		
panel width	15 in	15 in	17 in	17 in		
fastener/ clip spacing	11.625 in	18 in	24 in	48 in		
substrate and nominal thickness	Plywood @ 1/2 in	Plywood @ 5/8 in	Plywood @ 1/2 in	Plywood @ 5/8 in		
sealed/unsealed	unsealed	sealed	unsealed	sealed		
uplift test procedure	Dade PA-125, UL 580, UL 1897	Dade PA-125, UL 580, UL 1897	Dade PA-125, UL 580, UL 1897	Dade PA-125, UL 580, UL 1897		
ultimate uplift capacity, psf	138.3	216.4	155.8	211.1		
allowable uplift capacity, psf	69.1	108.2	77.9	105.6		

**SCHLEBACH QUADRO SYSTEM -- 1.5 INCH NAIL STRIP SNAP PANEL**

**SUMMARY OF ADVANTAGES**

- ❖ ARCHITECTURAL OR STRUCTURAL STANDING SEAM PANEL
- ❖ 1.5 INCH RIB HEIGHT WITH INTEGRATED CLIP
- ❖ SPECIAL SCREW OFF-SET TO PREVENT SCREW "POP THROUGH"
- ❖ GAUGES 22, 24, 26
- ❖ PANEL COVERAGE FROM 8 TO 25.5 INCHES
- ❖ INTEGRATED CLIP ALLOWS PANELS UP TO 25 FOOT LENGTHS
- ❖ APPLIES OVER OPEN PURLIN OR SOLID SUBSTRATE

**PANEL APPEARANCE**



**PANEL TESTING – FROM 12.5 TO 15 INCH PANEL**

- ❖ UL 580, CLASS 90 WIND UPLIFT (CONSTRUCTION NUMBER 587)
- ❖ ASTM E 1680 – AIR PENETRATION
- ❖ ASTM E 1646 – WATER INFILTRATION
- ❖ **DADE COUNTY HURRICANE UPLIFT**
- ❖ **DADE COUNTY HURRICANE WIND DRIVEN RAIN**
- ❖ **DADE COUNTY HURRICANE IMPACT RESISTANCE**
- ❖ **DADE COUNTY HURRICANE FIRE RESISTANCE**
- ❖ **TEXAS WINDSTORM TESTING**

**SLOPE & PITCH**

	MINIMUM SLOPE A:B
1.5 INCH NAIL STRIP SNAP	1 1/2:12

**ALLOWABLE UNIFORM LOAD TABLE**

PANEL SPAN	UPLIFT PSF
2	38.41
2.5	30.73
3	30.09
3.5	25.79
4	22.57

**SUMMARY OF ADVANTAGES**

- ❖ ARCHITECTURAL OR STRUCTURAL STANDING SEAM PANELS
- ❖ 1.5 INCH RIB HEIGHT
- ❖ GAUGES 22, 24, 26
- ❖ PANEL COVERAGE FROM 8 TO 26.5 INCHES
- ❖ SPECIALLY DESIGNED CLIP FOR THERMAL MOVEMENT
- ❖ APPLIES OVER OPEN PURLIN OR SOLID SUBSTRATE

**PANEL APPEARANCE**



**PANEL TESTING -- 16 INCH PANEL**

- ❖ UL 580, CLASS 90 WIND UPLIFT (CONSTRUCTION NUMBER 588)
- ❖ ASTM E 1680 - AIR PENETRATION
- ❖ ASTM E 1646 - WATER INFILTRATION
- ❖ **DADE COUNTY HURRICANE UPLIFT**
- ❖ **DADE COUNTY HURRICANE WIND DRIVEN RAIN**
- ❖ **DADE COUNTY HURRICANE IMPACT RESISTANCE**
- ❖ **DADE COUNTY HURRICANE FIRE RESISTANCE**
- ❖ **TEXAS WINDSTORM TESTING**

**SLOPE & PITCH**

	MINIMUM SLOPE A:B
1.5 INCH SNAP SEAM	1 1/2:12

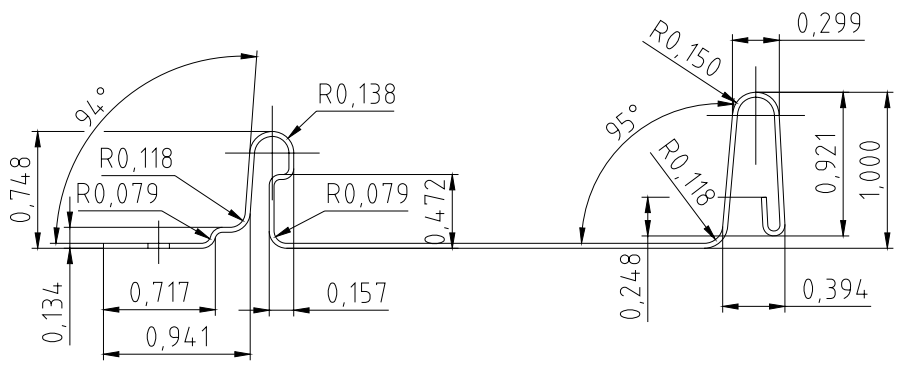
**ALLOWABLE UNIFORM LOAD TABLE**

PANEL SPAN	UPLIFT PSF
2	42.6
2.5	40.8
3	38.9
3.5	37.1
4	35.2
4.5	33.4
5	31.6

1 2 3 4

A

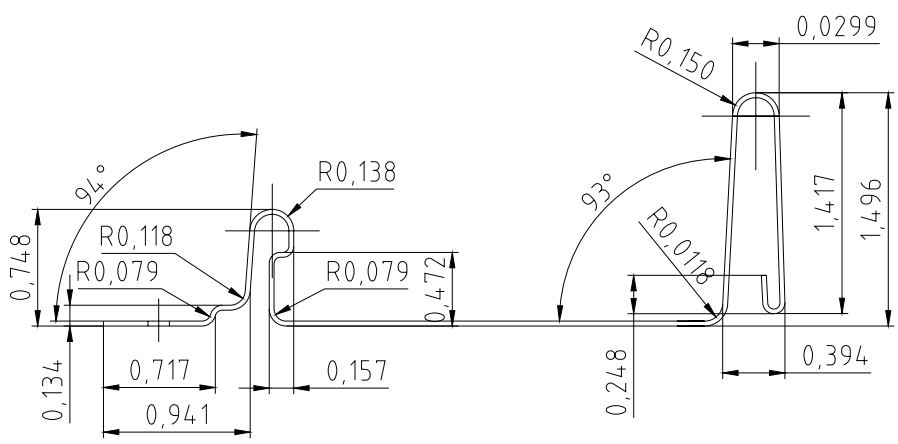
Nailstrip 1"



B

C

Nailstrip 1 1/2"



D

				Zul. Abweichung Maße ohne Toleranzangabe nach DIN 7168-m	Oberfläche	Maßstab	Position	Menge
				Datum	Name	NAILSTRIP 1" _AND-1_ 1/2"		
				Bearb. 13.11.2001	BECKER			
				Gepr. 13.11.2001	BECKER			
				Norm				
				<b>Schlebach</b> Maschinenfabrik GmbH Schloßwiese 1 D-57520 Friedewald			00590015	
Zust	Anderung	Datum	Name	Dateiname				Blatt
								Bl

