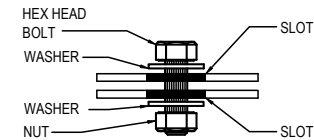


GENERAL

- A00010 - WASHER REQUIREMENTS ERECTOR NOTE
 - A00020 - FIELD WELD REQUIREMENTS
 - A00030 - STANDARD ANGLE SCHEDULE
 - A00040 - ROOF LINE TRIM SCHEDULE
 - A00050 - WALL TRIM SCHEDULE
 - A00100 - STANDARD FASTENER SCHEDULE
-

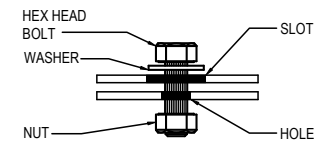
A00010 - WASHER REQUIREMENTS ERECTOR NOTE

[Download the DWG file by clicking here.](#)



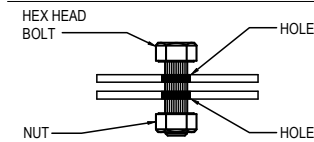
SLOT TO SLOT CONNECTIONS

WASHERS REQUIRED ON BOTH SIDES OF MATERIAL IF SLOTS ARE ON BOTH SIDES. (EXCEPTION: SEE DETAIL AT RIGHT FOR LAPPED ZEE MEMBERS)



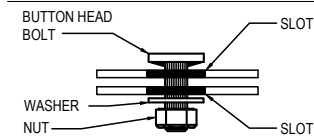
SLOT TO HOLE CONNECTIONS

ONE WASHER REQUIRED ON SLOTTED SIDE ONLY.



HOLE TO HOLE CONNECTIONS

NO WASHERS REQUIRED WHEN SLOTS ARE NOT USED.



SLOT TO SLOT CONNECTIONS

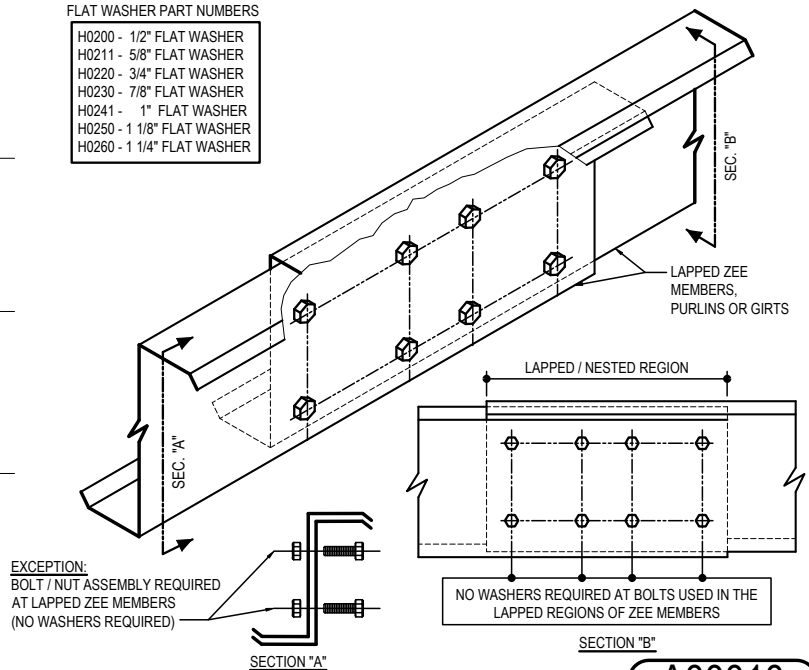
WASHER REQUIRED AT NUT SIDE ONLY FOR BUTTON HEAD BOLTS. (BUTTON HEAD BOLTS HAVE MATERIAL GRABBING FINS UNDER THE HEAD, A WASHER IS NOT NEEDED ON BOLT HEAD SIDE).

WASHER REQUIREMENTS ERECTOR NOTE

(UNLESS NOTED OTHERWISE ON DRAWINGS)

FLAT WASHER PART NUMBERS

H0200 - 1/2" FLAT WASHER
H0211 - 5/8" FLAT WASHER
H0220 - 3/4" FLAT WASHER
H0230 - 7/8" FLAT WASHER
H0241 - 1" FLAT WASHER
H0250 - 1 1/8" FLAT WASHER
H0260 - 1 1/4" FLAT WASHER



A00010

Detailer Notes:

1) N/A

A00020 - FIELD WELD REQUIREMENTS

[Download the DWG file by clicking here.](#)

FIELD WELD REQUIREMENTS ERECTOR NOTE

(UNLESS NOTED OTHERWISE ON DRAWINGS)

ALL FIELD WELDING MUST BE PERFORMED BY AWS/CWB CERTIFIED WELDERS WHO ARE QUALIFIED FOR THE WELDING PROCESSES AND POSITIONS INDICATED. ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS/CWB SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI/483 MPa MATERIAL AND LOW HYDROGEN CONTENT.

FIELD WELDING GALVANIZED STEEL RECOMMENDATIONS

PREPARATION OF WELD AREA

AWS D-19.0, WELDING ZINC COATED STEEL, CALLS FOR WELDS TO BE MADE ON STEEL THAT IS FREE OF ZINC IN THE AREA TO BE WELDED. FOR GALVANIZED STRUCTURAL COMPONENTS, THE ZINC COATING SHOULD BE REMOVED AT LEAST ONE TO FOUR INCHES (2.5-10 CM) FROM EITHER SIDE OF THE INTENDED WELD ZONE AND ON BOTH SIDES OF THE WORKPIECE. GRINDING BACK THE ZINC COATING IS THE PREFERRED AND MOST COMMON METHOD; BURNING THE ZINC AWAY OR PUSHING BACK THE MOLTEN ZINC FROM THE WELD AREA ALSO ARE EFFECTIVE.

TOUCH-UP OF WELD AREA

WELDING ON GALVANIZED SURFACES DESTROYS THE ZINC COATING ON AND AROUND THE WELD AREA. RESTORATION OF THE AREA WILL BE PERFORMED IN ACCORDANCE WITH ASTM A 780, STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS, WHICH SPECIFIES THE USE OF PAINTS CONTAINING ZINC DUST, ZINC-BASED SOLDERS OR SPRAYED ZINC. ALL TOUCHUP AND REPAIR METHODS ARE CAPABLE OF BUILDING A PROTECTIVE LAYER TO THE THICKNESS REQUIRED BY ASTM A 780.

SAFETY & HEALTH

WHEN WELDING DIRECTLY ON GALVANIZED STEEL IS UNAVOIDABLE, OSHA PERMISSIBLE EXPOSURE LIMITS (PELS) MAY BE EXCEEDED AND EVERY PRECAUTION, INCLUDING HIGH-VELOCITY CIRCULATING FANS WITH FILTERS, AIR RESPIRATORS AND FUME-EXTRACTION SYSTEMS SUGGESTED BY AWS, SHOULD BE EMPLOYED.

FUMES FROM WELDING GALVANIZED STEEL CAN CONTAIN ZINC, IRON AND LEAD. FUME COMPOSITION TYPICALLY DEPENDS ON THE COMPOSITION OF MATERIALS USED, AS WELL AS THE HEAT APPLIED BY THE PARTICULAR WELDING PROCESS. IN ANY EVENT, GOOD VENTILATION MINIMIZES THE AMOUNT OF EXPOSURE TO FUMES.

PRIOR TO WELDING ON ANY METAL, CONSULT ANSI/ASC Z-49.1, SAFETY IN WELDING, CUTTING AND ALLIED PROCESSES, WHICH CONTAINS INFORMATION ON THE PROTECTION OF PERSONNEL AND THE GENERAL AREA, VENTILATION AND FIRE PREVENTION.

INFORMATION COURTESY OF AMERICAN GALVANIZERS ASSOCIATION

A00020

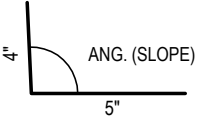

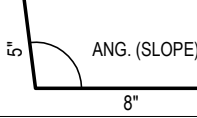
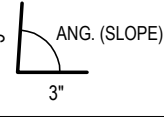
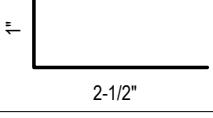
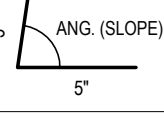
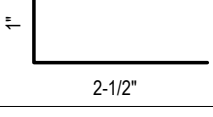
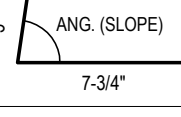
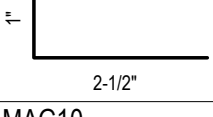
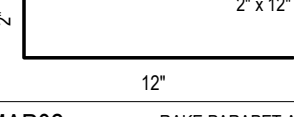
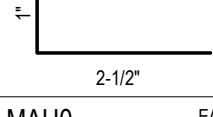
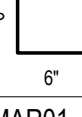


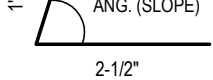
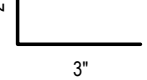
Detailer Notes:

1) N/A

A00030 - STANDARD ANGLE SCHEDULE

[Download the DWG file by clicking here.](#)

STANDARD ANGLE SCHEDULE

<p><u>MAE0</u></p> 	<p>EAVE ANGLE GALVANIZED 4" x 5" x 120"</p>	<p><u>MAL01</u></p> 	<p>LINER LOW EAVE ANGLE GALVANIZED 6" x 7-3/4" x 120"</p>
<p><u>MAF0</u></p> 	<p>EAVE ANGLE GALVANIZED 5" x 8" x 120"</p>	<p><u>MAL0</u></p> 	<p>LINER EAVE ANGLE GALVANIZED 3" x 3" x 120"</p>
<p><u>MAG01</u></p> 	<p>GIRT ANGLE GALVANIZED 1" x 2-1/2" x 12"</p>	<p><u>MAL</u></p> 	<p>LINER EAVE ANGLE GALVANIZED 3" x 5" x 120"</p>
<p><u>MAG02</u></p> 	<p>GIRT ANGLE GALVANIZED 1" x 2-1/2" x 24"</p>	<p><u>MAL1</u></p> 	<p>LINER EAVE ANGLE GALVANIZED 3" x 7-3/4" x 120"</p>
<p><u>MAG03</u></p> 	<p>GIRT ANGLE GALVANIZED 1" x 2-1/2" x 30"</p>	<p><u>MAP01</u></p> 	<p>RAKE PARAPET ANGLE GALVANIZED 2" x 12" x 120"</p>
<p><u>MAG10</u></p> 	<p>GIRT ANGLE GALVANIZED 1" x 2-1/2" x 120"</p>	<p><u>MAP02</u></p> 	<p>RAKE PARAPET ANGLE GALVANIZED 6" x 6" x 120"</p>
<p><u>MAH0</u></p> 	<p>EAVE STRUT ANGLE GALVANIZED 1" x 2-1/2" x 12"</p>	<p><u>MAR01</u></p> 	<p>RAKE ANGLE GALVANIZED 3" x 5" x 242"</p>
<p><u>MAH1</u></p> 	<p>EAVE STRUT ANGLE GALVANIZED 1" x 2-1/2" x 12"</p>	<p><u>MAR02</u></p> 	<p>STANDING SEAM RAKE/ BASE ANGLE GALVANIZED 2" x 3" x 242"</p>

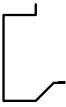
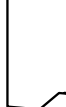
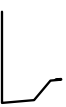


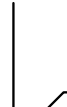

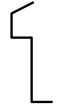
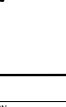
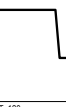
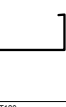





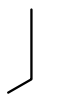





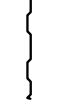
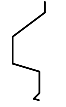









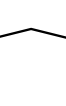
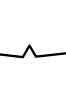











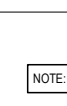

A00030

Detailer Notes:

1) N/A

A00040 - NBS TRIM SCHEDULE - ROOF LINE TRIM

Download the DWG file by clicking here.

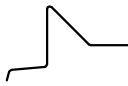




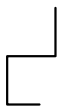

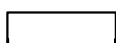






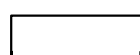

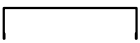
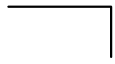
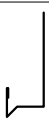



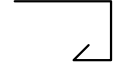





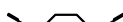

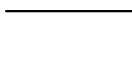
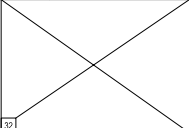
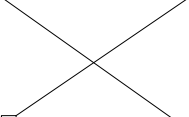
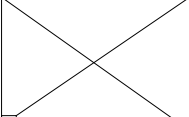
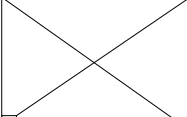
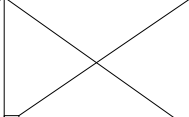
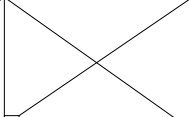
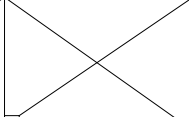
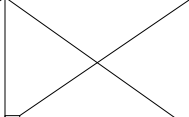
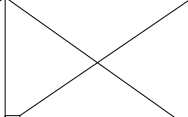
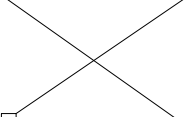
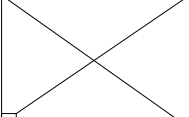
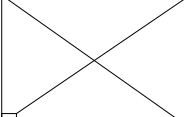
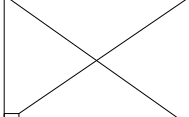
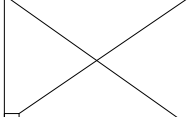
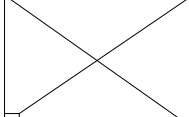
							
NAME: ETC_121 LEN (IN.): 121 DESC: EXTENSION TRIM AT EAVE CEE	NAME: ETH_121 LEN (IN.): 121 DESC: HIGH EAVE EXTENSION TRIM	NAME: ETL_121 LEN (IN.): 121 DESC: LOW EAVE TRIM AT RAKE EXT.	NAME: ETR_121 LEN (IN.): 121 DESC: RAKE EXTENSION TRIM	NAME: ETS_121 LEN (IN.): 121 DESC: EXT. TRIM AT EAVE "S"	NAME: ETU_121 LEN (IN.): 121 DESC: UNIVERSAL EXTENSION TRIM	NAME: GHP121 LEN (IN.): 121 DESC: HORIZ. GUTT. POSITION TRIM	NAME: GHS_121 LEN (IN.): 121 DESC: HORIZ. GUTTER SUPPORT
							
NAME: GSN_121 LEN (IN.): 121 & 242 DESC: SCULPTURED GUTTER	NAME: HAT_120 LEN (IN.): 120 DESC: HAT CHANNEL	NAME: HBT120 LEN (IN.): 120 DESC: HIP BACKER (TRAP. PANELS)	NAME: HCT_121 LEN (IN.): 121 DESC: HIP CAP TRIM (TRAPEZOIDAL PNL.)	NAME: HCV_121 LEN (IN.): 121 DESC: HIP CAP TRIM (VERTICAL RIB PNL.)	NAME: HIP_120 LEN (IN.): 120 DESC: HIP INSULATION PAN	NAME: HMCR121 LEN (IN.): 121 DESC: HIP METAL CLOSURE (R-PANEL)	NAME: HPL_120 LEN (IN.): 120 DESC: HIP PLATE
							
NAME: HRJ121 LEN (IN.): 121 DESC: HIP RIB JAY	NAME: HRP_121 LEN (IN.): 121 DESC: H.E. PARA. TRIM - R-PANEL	NAME: HRSN_121 LEN (IN.): 121 & 242 DESC: H.E. SCULP. TRIM - R-PANEL	NAME: HTP_121 LEN (IN.): 121 DESC: HIGH EAVE PARA. - TRAP. PANEL	NAME: HTSN_121 LEN (IN.): 121 & 242 DESC: HIGH EAVE SCULP. - TRAP. PANEL	NAME: LBU121 LEN (IN.): 121 & 242 DESC: LOW EAVE - BASIC	NAME: LEM121 LEN (IN.): 121 DESC: LOW EAVE - MASONRY	NAME: LEU121 LEN (IN.): 121 DESC: LOW EAVE - EXTENSION
							
NAME: RIPJ121 LEN (IN.): 121 DESC: RIDGE INSULATION PAN - JOISTS	NAME: RIPP181 LEN (IN.): 181 DESC: RIDGE INSULATION PAN - PURLINS	NAME: RPU121 LEN (IN.): 121 DESC: RAKE PARAPET TRIM	NAME: RSN_121 LEN (IN.): 121 & 242 DESC: SCULPTURED RAKE TRIM	NAME: RSS121 LEN (IN.): 121 DESC: RAKE SPACER - JOISTS	NAME: RTP_121 LEN (IN.): 121 & 242 DESC: RIDGE - TRAPEZOIDAL PANEL	NAME: RTR121 LEN (IN.): 121 DESC: ROOF TRIM RETAINER	NAME: RVCC_121 LEN (IN.): 121 DESC: RIDGE VR CLOSURE COVER
							
NAME: RVCC_120 LEN (IN.): 120 DESC: RIDGE VR CLOSURE ZEE	NAME: RVL_121 LEN (IN.): 121 DESC: RIDGE - VERTICAL RIB	NAME: VDF_121 LEN (IN.): 121 DESC: VALLEY DIVERTER	NAME: VIP_120 LEN (IN.): 120 DESC: VALLEY INSULATION PAN	NAME: VPL_120 LEN (IN.): 120 DESC: VALLEY PLATE	NAME: - LEN (IN.): - DESC: -	NAME: - LEN (IN.): - DESC: -	NAME: - LEN (IN.): - DESC: -
							
NAME: - LEN (IN.): - DESC: -	NAME: - LEN (IN.): - DESC: -	NAME: - LEN (IN.): - DESC: -	NAME: - LEN (IN.): - DESC: -	NAME: - LEN (IN.): - DESC: -	NAME: - LEN (IN.): - DESC: -	NAME: - LEN (IN.): - DESC: -	NAME: - LEN (IN.): - DESC: -
						NOTE: TRIM PROFILE SCALE VARIES	
						NBS ROOF TRIM SCHEDULE LOW EAVE-HIGH EAVE, GABLE/RAKE, RIDGE TRIM, EXTENSIONS, & HIP/VALLEY PROFILES	

Detailer Notes:

- 1) THIS DETAIL IS TO BE INCLUDED WITH EVERY PROJECT
- 2) THIS DETAIL IS TO AID IN THE SHAKE OUT OF PARTS AMONG THE JOBSITE.

A00050 - WALL TRIM SCHEDULE

Download the DWG file by clicking here.

							
NAME: BSA_ LEN (IN.): 121 / 242 DESC: BASE ANGLE TRIM	NAME: BSB121 LEN (IN.): 121 DESC: BASE TRIM	NAME: BSC121 LEN (IN.): 121 DESC: BASE TRIM	NAME: BSD121 LEN (IN.): 121 DESC: BASE TRIM	NAME: BSE121 LEN (IN.): 121 DESC: BASE TRIM	NAME: BSF121 LEN (IN.): 121 DESC: BASE TRIM	NAME: BSW121 LEN (IN.): 121 DESC: WAINSCOT TRIM	NAME: CC_ LEN (IN.): MULTL DESC: CEE CHANNEL COVER TRIM
							
NAME: CIR121 LEN (IN.): 121 DESC: INSIDE CORNER TRIM - ALT	NAME: CIB121 LEN (IN.): 121 DESC: INSIDE CORNER TRIM - BASIC	NAME: CIT121 LEN (IN.): 121 DESC: INSIDE CORNER TRIM - TRANS	NAME: COA121 LEN (IN.): 121 DESC: OUTSIDE CORNER TRIM - ALT	NAME: COB121 LEN (IN.): 121 DESC: OUTSIDE CORNER TRIM - BASIC	NAME: COT121 LEN (IN.): 121 DESC: OUTSIDE CORNER TRIM - TRANS	NAME: CS_ LEN (IN.): MULTL DESC: 'S' CHANNEL COVER	NAME: CT_121 LEN (IN.): 121 DESC: CAP TRIM
							
NAME: CW_ LEN (IN.): MULTL DESC: HEAD WRAP COVER	NAME: DJL088 LEN (IN.): 88 DESC: JAMB COVER TRIM - WALK D.	NAME: HTA_ LEN (IN.): MULTL DESC: HEADER TRIM	NAME: HTD_ LEN (IN.): MULTL DESC: WINDOW & LINER TRIM	NAME: IC_121 LEN (IN.): 121 DESC: INSET / OUTSET TRIM	NAME: IT_121 LEN (IN.): 121 DESC: INSET / OUTSET TRIM	NAME: JTA_ LEN (IN.): MULTL DESC: JAMB TRIM - R-PANEL & A-PANEL	NAME: JTD_ LEN (IN.): MULTL DESC: JAMB TRIM - REV. R-PANEL
							
NAME: MFA121 LEN (IN.): 121 DESC: MISCELLANEOUS FILLER TRIM	NAME: MFR121 LEN (IN.): 121 DESC: MISCELLANEOUS FILLER TRIM	NAME: PRL072 LEN (IN.): 72 DESC: PARTITION FLASHING	NAME: PT_121 LEN (IN.): 121 DESC: PARTITION FLASHING	NAME: PTC121 LEN (IN.): 121 DESC: PARTITION TRIM COVER	NAME: STA_ LEN (IN.): MULTL DESC: SILL TRIM	NAME: WJ_ LEN (IN.): MULTL DESC: JAMB COVER TRIM @ WINDOW	NAME: - LEN (IN.): - DESC: -
							
NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --
						<div>NOTE: TRIM PROFILE SCALE VARIES</div>	
NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --	NAME: -- LEN (IN.): -- DESC: --	<div>WALL TRIM SCHEDULE</div> <div>BASE CORNER, FRAMED OPENINGS, INSET/OUTSET, AND PARTITION TRIM PROFILES</div>	























Detailer Notes:

1) THIS DETAIL IS TO BE INCLUDED WITH EVERY PROJECT

2) THIS DETAIL IS TO AID IN THE SHAKE OUT OF PARTS AMONG THE JOBSITE.

A00100 - STANDARD FASTENER SCHEDULE

Download the DWG file by clicking [here](#).

PANEL CLIP & SECONDARY ATTACHMENT FASTENERS	FASTENER		SPECIFICATIONS	USAGE	NOTES	ROOF FASTENERS	FASTENER		SPECIFICATIONS	USAGE	NOTES														
	H1020		Self-Drilling Screw 1/4-14 x 1 1/4" TCP 3 w/o Washer 5/16" Head Color: Available in "No Paint" Only	Panel Clips Attach panel clips, rake angle clips, eave plate to purlins with insulation ≤ R19 Attach misc light gauge material to secondary	<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.110 MIN / 0.250 MAX Pre-Drill Diameter: 3/16" Ø		H1000		SELF-TAPPING SCREW (GOOF SCREW) 17-14 x 1" w/ Washer 5/16" UltraMate Head Color: All Standard SMP & PVDF Check local plant stock inventory	"Goof Screw" Used at locations on roof, where fastener has stripped out.	<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch DO NOT use impacting tools <u>DRILLING CAPACITY</u> N/A														
		H1025		Self-Drilling Screw 1/4-14 x 2" TCP 3 w/o Washer 3/8" Head Color: Available in "No Paint" Only	Panel Clips - Long Attach panel clips, rake angle clips, eave plate to purlins with insulation >R19 and ≤ R38			<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.110 MIN / 0.250 MAX Pre-Drill Diameter: 3/16" Ø	H1026		Self-Drilling Screw 12-14 x 2" TCP 3 w/ Washer 5/16" UltraMate Head Color: All Standard SMP & PVDF Check local plant stock inventory	Vented ridge -To accommodate the thickness of the Cor-A-Vent	<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.090 MIN / 0.210 MAX Pre-Drill Diameter: 3/16" Ø												
			H1070		Self-Drilling Screw 12-24 x 1 1/2" TCP 5 w/o Washer 5/16" Head Color: Check w/ local plant			Panel Clips - Hot Roll Attach panel clips, rake angle clips, eave plate to joist with insulation ≤ R19 Attach misc light gauge material to HFR secondary		<u>RECOMMENDED TOOL TYPES</u> 1800 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.250 MIN / 0.500 MAX Pre-Drill Diameter: 3/16" Ø	H1030		Self-Drilling Screw 1/4-14 x 1 1/2" TCP 3 w/ Washer 5/16" UltraMate Head Color: All Standard SMP & PVDF Check local plant stock inventory	Roof Structural Used to attach roof panel, roof flashing, end laps and light gauge parts with insulation ≤ R16	<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.110 MIN / 0.250 MAX Pre-Drill Diameter: 3/16" Ø										
				H1075				Self-Drilling Screw 12-24 x 2" TCP 5 w/o Washer 5/16" Head Color: Check w/ local plant		Panel Clips - Hot Roll - Long Attach panel clips, rake angle clips, eave plate to joist with insulation > R19 and ≤ R38		<u>RECOMMENDED TOOL TYPES</u> 1800 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.250 MIN / 0.500 MAX Pre-Drill Diameter: 3/16" Ø	H1035		Self-Drilling Screw 12-14 x 1 1/2" TCP 3 w/ Washer 5/16" UltraMate Head Color: All Standard SMP & PVDF Check local plant stock inventory	Roof Structural - Long Used to attach roof panel, roof flashing, end laps and light gauge parts with insulation = R19	<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.050 MIN / 0.140 MAX Pre-Drill Diameter: 5/32" Ø								
					H1079					Self-Drilling Screw SDI 12-24 x 1 1/2" #5 Drillite w/o Wash 5/16" Head (Painted Orange) (Vendor: Black & Decker) Color: Available in "No Paint" Only		Used to attach deck to joist with high seismic loads NOT to be used for roof clips Available for Utah only		<u>RECOMMENDED TOOL TYPES</u> 1800 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.250 MIN / 0.500 MAX Pre-Drill Diameter: 3/16" Ø	H1050		Self-Drilling Screw 1/4-14 x 7/8" TCP 1 w/ Washer 5/16" UltraMate Head Color: All Standard SMP & PVDF Check local plant stock inventory	Roof Stitch Used to attach roof trim end laps and trim to roof panel	<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.035 MIN / 0.090 MAX Pre-Drill Diameter: 1/8" Ø						
								H1040 / H1041				Self-Drilling Screw 12-14 x 1 1/4" TCP 3 5/16" Head H1040 - w/o Washer H1041 - w/ Washer Color: All Standard SMP & PVDF Check local plant stock inventory		Wall Structural Used to attach wall panel, wall flashing and light gauge parts with insulation ≤ R13		<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.050 MIN / 0.140 MAX Pre-Drill Diameter: 5/32" Ø	H1100		Pop Rivet 1/8" x 3/16" Stainless Steel Blind Pop Rivet Color: All Standard SMP & PVDF Check local plant stock inventory	Used at trim laps, corner caps, and attaching trim to panel where stitch fasteners can't be used	<u>RECOMMENDED TOOL TYPES</u> Manual or electric rivet tool DO NOT use impacting tools				
										H1045 / H1047				Self-Drilling Screw 12-14 x 2" TCP 3 5/16" Head H1045 - w/o Washer H1047 - w/ Washer Color: All Standard SMP & PVDF Check local plant stock inventory		Wall Structural - Long Used to attach wall panel, wall flashing and light gauge parts with insulation > R13 and ≤ R19		<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.090 MIN / 0.210 MAX Pre-Drill Diameter: 3/16" Ø	H1110		Grommet Fastener 3/8" Diameter Stainless Grommet Seal Color: Available in "No Paint" Only	Used at translucent panel to metal side lap connections	<u>RECOMMENDED TOOL TYPES</u> Torque adjustable clutch grommet tool DO NOT use impacting tools		
												H1070 / H1071				Self-Drilling Screw 12-24 x 1 1/2" TCP 5 5/16" Head H1070 - w/o Washer H1071 - w/ Washer Color: All Standard SMP & PVDF Check local plant stock inventory		Wall Structural -HR w/ Washer Used to attach wall panel and trims to hot roll members with insulation ≤ R13		<u>RECOMMENDED TOOL TYPES</u> 1800 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.250 MIN / 0.500 MAX Pre-Drill Diameter: 3/16" Ø	H1220		Self-Drilling Screw 12-14 x 1" TCP 3 Square / Phillips Pancake Head Color: Available in "No Paint" Only	Pancake Screw Used to attach panel clips and rake angle to purlins **ONLY WITH ZERO STANDOFF CLIPS	<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.090 MIN / 0.210 MAX Pre-Drill Diameter: 3/16" Ø
														H1075				Self-Drilling Screw 12-24 x 2" TCP 5 w/o Washer 5/16" Head Color: Check w/ local plant		Wall Structural -HR w/ Washer Used to attach wall panel and trims to hot roll members with insulation > R13 and ≤ R19		<u>RECOMMENDED TOOL TYPES</u> 1800 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.250 MIN / 0.500 MAX Pre-Drill Diameter: 3/16" Ø	H1223		Self-Tapping Fastener 10-14 X 1-1/2" Woodtite w/ Washer 1/4" Head Color: All Standard SMP & PVDF Check local plant stock inventory
H1060 / H1061						Self-Drilling Screw 1/4-14 x 7/8" TCP 1 5/16" Head H1060 - w/o Washer H1061 - w/ Washer Color: All Standard SMP & PVDF Check local plant stock inventory	Wall Stitch Used to attach wall trim end laps and trim to wall panel									<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.035 MIN / 0.090 MAX Pre-Drill Diameter: 1/8" Ø		H1224				Self-Tapping Fastener 10-12 X 1" Square / Phillips Pancake Head Color: Available in "No Paint" Only		Wood Clip Screw Panel clips to wood **Only 0" offset clips Non-Stock Special Order Fastener	<u>RECOMMENDED TOOL TYPES</u> 2000-2500 RPM Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools
	H1060 / H1061					Self-Drilling Screw 1/4-14 x 7/8" TCP 1 5/16" Head H1060 - w/o Washer H1061 - w/ Washer Color: All Standard SMP & PVDF Check local plant stock inventory	Used to attach wall trim end laps and trim to wall panel		<u>RECOMMENDED TOOL TYPES</u> 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools <u>DRILLING CAPACITY</u> 0.035 MIN / 0.090 MAX Pre-Drill Diameter: 1/8" Ø							H2200						Insulation Retainer Washer 1/4 x 1-1/4" F8 Fender Washer (1 1/4" O.D. w/ 5/16" I.D.) Color: Available in "No Paint" Only		Used in conjunction with H1020 fasteners to secure roof insulation. Reference routine trim details for specific applications.	<u>RECOMMENDED TOOL TYPES</u> N/A

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Detailer Notes:

1) THIS DETAIL IS REQUIRED ON EVERY PROJECT.