

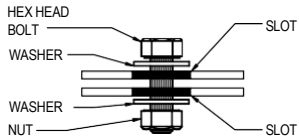


GENERAL

- 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
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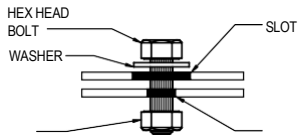
A00010 - WASHER REQUIREMENTS ERECTOR NOTE

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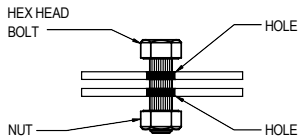
SLOT TO SLOT CONNECTIONS

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



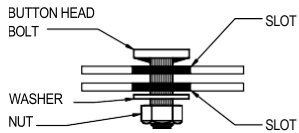
SLOT TO HOLE CONNECTIONS

ONE WASHER REQUIRED ON SLOTTED SIDE ONLY.



HOLE TO HOLE CONNECTIONS

NO WASHERS REQUIRED WHEN SLOTS ARE NOT USED.

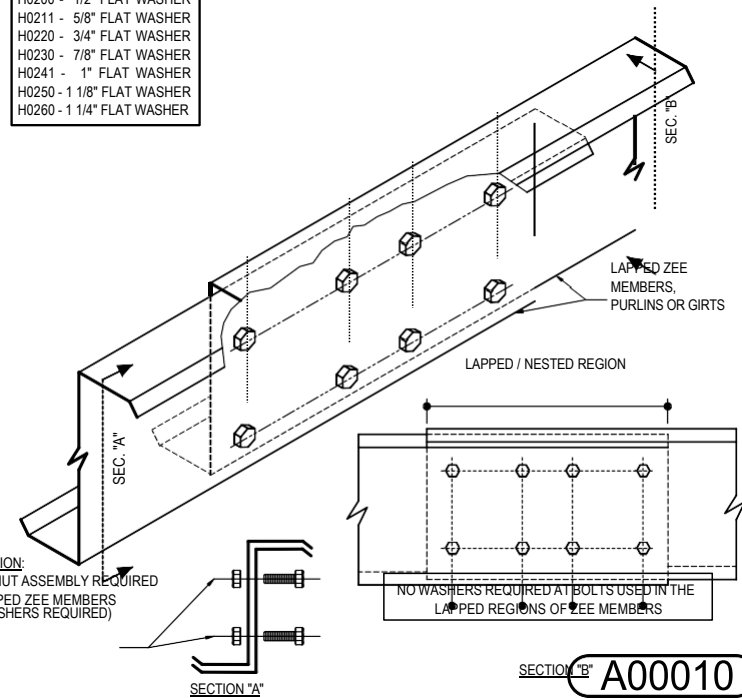


SLOT TO SLOT CONNECTIONS

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).

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



SECTION "B" A00010

WASHER REQUIREMENTS ERECTOR NOTE

(UNLESS NOTED OTHERWISE ON DRAWINGS)

Detailer Notes:

- 1) N/A



A00020 - FIELD WELD REQUIREMENTS

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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/483MPa 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 SOLDER 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.

A00020

INFORMATION COURTESY OF AMERICAN GALVANIZERS ASSOCIATION

Detailer Notes:

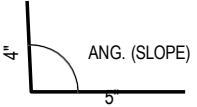
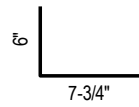
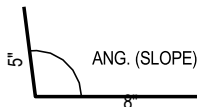
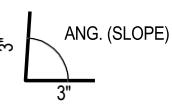
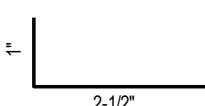
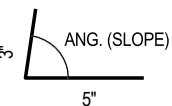
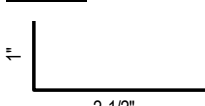
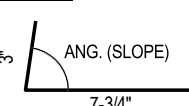
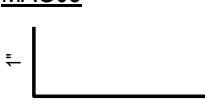

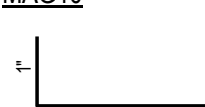
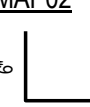
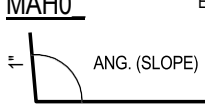
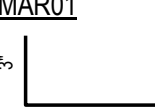
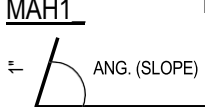

- 1) N/A



A00030 - STANDARD ANGLE SCHEDULE

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STANDARD ANGLE SCHEDULE

<p>MAE0</p> 	<p>EAVE ANGLE GALVANIZED 4" x 5" x 120"</p>	<p>MAL01</p> 	<p>LINER LOW EAVE ANGLE GALVANIZED 6" x 7-3/4" x 120"</p>
<p>MAF0</p> 	<p>EAVE ANGLE GALVANIZED 5" x 8" x 120"</p>	<p>MAL0</p> 	<p>LINER EAVE ANGLE GALVANIZED 3" x 3" x 120"</p>
<p>MAG01</p> 	<p>GIRT ANGLE GALVANIZED 1" x 2-1/2" x 12"</p>	<p>MAL</p> 	<p>LINER EAVE ANGLE GALVANIZED 3" x 5" x 120"</p>
<p>MAG02</p> 	<p>GIRT ANGLE GALVANIZED 1" x 2-1/2" x 24"</p>	<p>MAL1</p> 	<p>LINER EAVE ANGLE GALVANIZED 3" x 7-3/4" x 120"</p>
<p>MAG03</p> 	<p>GIRT ANGLE GALVANIZED 1" x 2-1/2" x 30"</p>	<p>MAP01</p> 	<p>RAKE PARAPET ANGLE GALVANIZED 2" x 12" x 120"</p>
<p>MAG10</p> 	<p>GIRT ANGLE GALVANIZED 1" x 2-1/2" x 120"</p>	<p>MAP02</p> 	<p>RAKE PARAPET ANGLE GALVANIZED 6" x 6" x 120"</p>
<p>MAH0</p> 	<p>EAVE STRUT ANGLE GALVANIZED 1" x 2-1/2" x 12"</p>	<p>MAR01</p> 	<p>RAKE ANGLE GALVANIZED 3" x 5" x 242"</p>
<p>MAH1</p> 	<p>EAVE STRUT ANGLE GALVANIZED 1" x 2-1/2" x 12"</p>	<p>MAR02</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_____ LEN (IN.): 121 & 242 DESC: SCULPTURED GUTTER	NAME: HRP_121 LEN (IN.): 121 DESC: H.E. PARA. TRIM - R-PANEL	NAME: HPSN_____ 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_____ LEN (IN.): 121 & 242 DESC: HIGH EAVE SCULP. - TRAP. PANEL	NAME: HVP_121 LEN (IN.): 121 DESC: HIGH EAVE PARA. - VERTICAL RB	NAME: HVSN_____ LEN (IN.): 121 & 242 DESC: HIGH EAVE SCULP. - VERTICAL RB	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: RIPR181 LEN (IN.): 181 DESC: RIDGE INSULATION PAN - PURLINS	NAME: RPU121 LEN (IN.): 121 DESC: RAKE PARAPET TRIM	NAME: RSN_____ LEN (IN.): 121 & 242 DESC: SCULPTURED RAKE TRIM	NAME: RSS121 LEN (IN.): 121 DESC: RAKE SPACER - JOISTS	NAME: RTP_____ LEN (IN.): 121 & 242 DESC: RIDGE - TRAPEZOIDAL PANEL
NAME: RTR121 LEN (IN.): 121 DESC: ROOF TRIM RETAINER	NAME: RVCC182 LEN (IN.): 182 DESC: RIDGE VR CLOSURE COVER	NAME: RVC2122 LEN (IN.): 122 DESC: VERT. RIB RIDGE CLOSURE ZEE	NAME: RVL_121 LEN (IN.): 121 DESC: RIDGE - VERTICAL RB	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: _____	NAME: _____ LEN (IN.): _____ DESC: _____
						<p>NOTE: TRIM PROFILE SCALE VARIES</p> <p>NBS ROOF TRIM SCHEDULE LOW EAVE, HIGH EAVE, GABLE/RAKE, RIDGE TRIM, EXTENSIONS, & HP/VALLEY PROFILES</p> <p>A00040</p>	
NAME: _____ LEN (IN.): _____ DESC: _____	NAME: _____ LEN (IN.): _____ DESC: _____	NAME: _____ LEN (IN.): _____ DESC: _____	NAME: _____ LEN (IN.): _____ DESC: _____	NAME: _____ LEN (IN.): _____ DESC: _____	NAME: _____ LEN (IN.): _____ DESC: _____		

Detailer Notes:



A00050 - WALL TRIM SCHEDULE

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1 NAME: BSA_ LEN (IN.): 121 / 242 DESC: BASE ANGLE TRIM	2 NAME: BSB121 LEN (IN.): 121 DESC: BASE TRIM	3 NAME: BSC121 LEN (IN.): 121 DESC: BASE TRIM	4 NAME: BSD121 LEN (IN.): 121 DESC: BASE TRIM	5 NAME: BSE121 LEN (IN.): 121 DESC: BASE TRIM	6 NAME: BSF121 LEN (IN.): 121 DESC: BASE TRIM	7 NAME: BSW121 LEN (IN.): 121 DESC: WAINSCOT TRIM	8 NAME: CR_ LEN (IN.): MULT. DESC: CEE CHANNEL COVER TRIM
9 NAME: CIA121 LEN (IN.): 121 DESC: INSIDE CORNER TRIM - ALT	10 NAME: CIB121 LEN (IN.): 121 DESC: INSIDE CORNER TRIM - BASIC	11 NAME: CIT121 LEN (IN.): 121 DESC: INSIDE CORNER TRIM - TRANS.	12 NAME: COA121 LEN (IN.): 121 DESC: OUTSIDE CORNER TRIM - ALT	13 NAME: COB121 LEN (IN.): 121 DESC: OUTSIDE CORNER TRIM - BASIC	14 NAME: COT121 LEN (IN.): 121 DESC: OUTSIDE CORNER TRIM - TRANS.	15 NAME: CS_ LEN (IN.): MULT. DESC: "S" CHANNEL COVER	16 NAME: CT_121 LEN (IN.): 121 DESC: CAP TRIM
17 NAME: CW_ LEN (IN.): MULT. DESC: HEAD WRAP COVER	18 NAME: DJ_088 LEN (IN.): 88 DESC: JAMB COVER TRIM - WALK D.	19 NAME: HTA_ LEN (IN.): MULT. DESC: HEADER TRIM	20 NAME: HTD_ LEN (IN.): MULT. DESC: WINDOW & LINER TRIM	21 NAME: IC_121 LEN (IN.): 121 DESC: INSET / OUTSET TRIM	22 NAME: IT_121 LEN (IN.): 121 DESC: INSET / OUTSET TRIM	23 NAME: JTA_ LEN (IN.): MULT. DESC: JAMB TRIM - R-PANEL & A-PANEL	24 NAME: JTD_ LEN (IN.): MULT. DESC: JAMB TRIM - REV. R-PANEL
25 NAME: MFA121 LEN (IN.): 121 DESC: MISCELLANEOUS FILLER TRIM	26 NAME: MFR121 LEN (IN.): 121 DESC: MISCELLANEOUS FILLER TRIM	27 NAME: PR_072 LEN (IN.): 72 DESC: PARTITION FLASHING	28 NAME: PT_121 LEN (IN.): 121 DESC: PARTITION FLASHING	29 NAME: PTC121 LEN (IN.): 121 DESC: PARTITION TRIM COVER	30 NAME: STA_ LEN (IN.): MULT. DESC: SILL TRIM	31 NAME: WJ_ LEN (IN.): MULT. DESC: JAMB COVER TRIM @ WINDOW	32 NAME: - LEN (IN.): - DESC: -
33 NAME: - LEN (IN.): - DESC: -	34 NAME: - LEN (IN.): - DESC: -	35 NAME: - LEN (IN.): - DESC: -	36 NAME: - LEN (IN.): - DESC: -	37 NAME: - LEN (IN.): - DESC: -	38 NAME: - LEN (IN.): - DESC: -	39 NAME: - LEN (IN.): - DESC: -	40 NAME: - LEN (IN.): - DESC: -
						<p>NOTE: TRIM PROFILE SCALE VARIES</p> <p>WALL TRIM SCHEDULE BASE, CORNER, FRAMED OPENINGS, INSET/OUTSET AND PARTITION TRIM PROFILES</p> <p>A00050</p>	
41 NAME: - LEN (IN.): - DESC: -	42 NAME: - LEN (IN.): - DESC: -	43 NAME: - LEN (IN.): - DESC: -	44 NAME: - LEN (IN.): - DESC: -	45 NAME: - LEN (IN.): - DESC: -	46 NAME: - LEN (IN.): - DESC: -		

Detailer Notes:



A00100 - STANDARD FASTENER SCHEDULE

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	FASTENER	SPECIFICATIONS	USAGE	NOTES		FASTENER	SPECIFICATIONS	USAGE	NOTES
PANEL CLIP & SECONDARY ATTACHMENT FASTENERS	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	ROOF FASTENERS	H1000	 SELF-TAPPING SCREW (GOOF SCREW) 17-14 x 1" w/ Washer 5/16" UltraMate Head 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 HR 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 1/4" TCP 3 w/ Washer 5/16" UltraMate Head Color: All Standard SMP & PVDF Check local plant stock inventory	Roof Structural -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 Drillits 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 1 1/4" 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> 0.033 MIN / 0.090 MAX Pre-Drill Diameter: 1/8" Ø
WALL FASTENERS	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	RIVETS & SPECIALTY FASTENERS	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" Woodite w/ Washer 1/4" Head Color: All Standard SMP & PVDF Check local plant stock inventory	Wood Structural Used to attach panel and trim to wood structure 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	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
					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 roofing 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.