

GENERAL

A00010 - WASHER REQUIREMENTS ERECTOR NOTE

A00020 - FIELD WELD REQUIREMENTS

A00030 - STANDARD ANGLE SCHEDULE

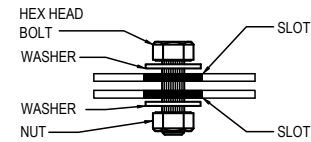
A00040 - ROOF LINE TRIM SCHEDULE

A00050 - WALL TRIM SCHEDULE

A00100 - STANDARD FASTENER SCHEDULE

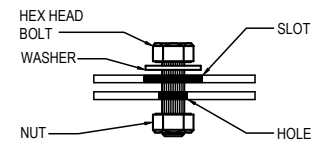
A00010 - WASHER REQUIREMENTS ERECTOR NOTE

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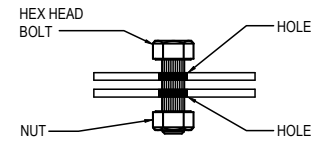
SLOT TO SLOT CONNECTIONS

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



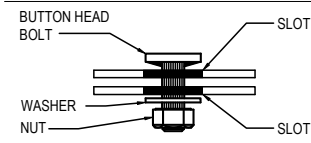
SLOT TO HOLE CONNECTIONS

ONE WASHER REQUIRED ON SLOTTED SIDE ONLY.



HOLE TO HOLE CONNECTIONS

NO WASHERS REQUIRED WHEN SLOTS ARE NOT USED.



SLOT TO SLOT CONNECTIONS

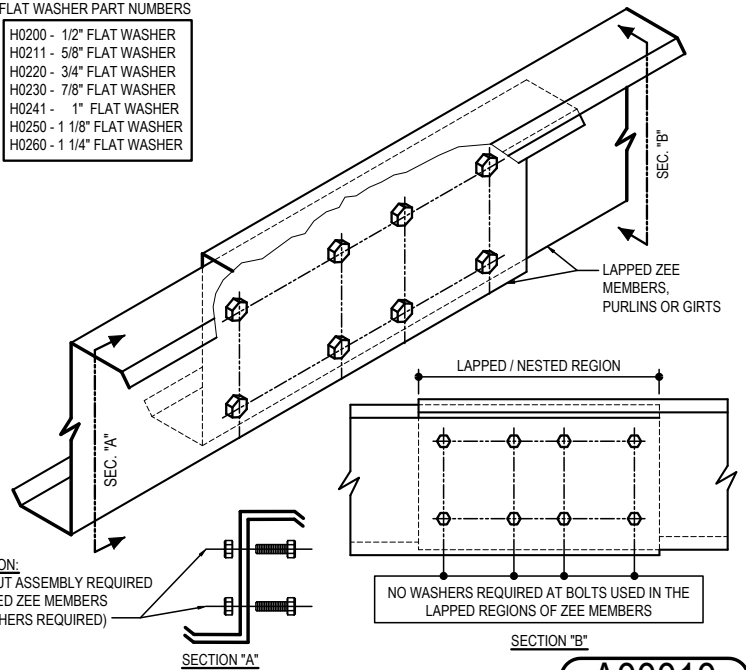
WASHER REQUIRED AT NUT SIDE ONLY FOR BUTTON HEAD BOLTS. (BUTTON HEAD BOLTS HAVE MATERIAL GRABBING FINS UNDER THE HEAD, A WASHER IS NOT NEEDED ON BOLT HEAD SIDE).

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



EXCEPTION:
BOLT / NUT ASSEMBLY REQUIRED
AT LAPPED ZEE MEMBERS
(NO WASHERS REQUIRED)

A00010

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/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.

A00020

INFORMATION COURTESY OF AMERICAN GALVANIZERS ASSOCIATION

Detailer Notes:

1) N/A

A00030 - STANDARD ANGLE SCHEDULE

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STANDARD ANGLE SCHEDULE

<p><u>MAEO</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>MAFO</u></p>	<p>EAVE ANGLE GALVANIZED 5" x 8" x 120"</p>	<p><u>MALO</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>

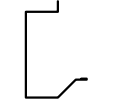


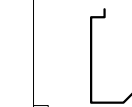
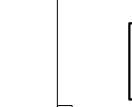
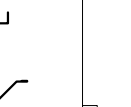


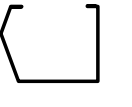
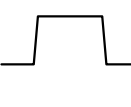
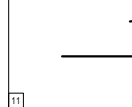
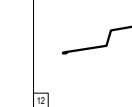
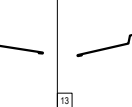
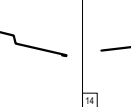
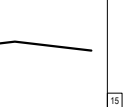
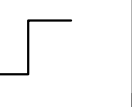


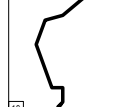
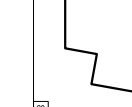

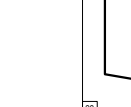


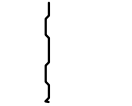
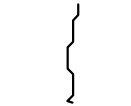


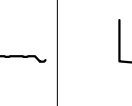
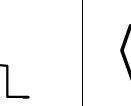
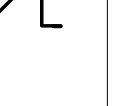
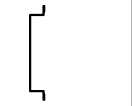
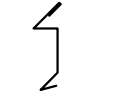
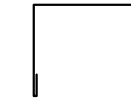
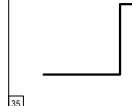


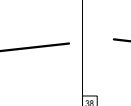
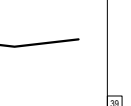




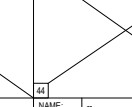
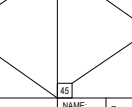
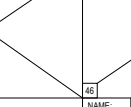
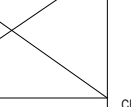
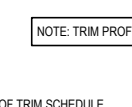
A00030

Detailer Notes:

1) N/A

A00040 - CBC TRIM SCHEDULE - ROOF LINE TRIM

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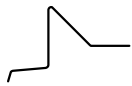






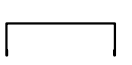






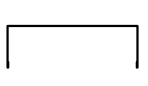
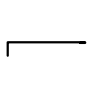
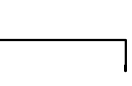
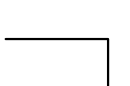




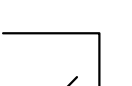
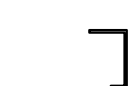
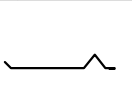
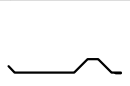

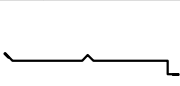
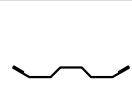

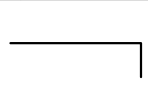










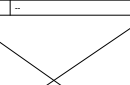



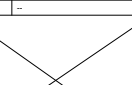
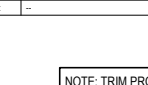
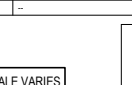
							
1 NAME: ETC_121 LEN (IN.): 121 DESC: EXTENSION TRIM AT EAVE CEE	2 NAME: ETH_121 LEN (IN.): 121 DESC: HIGH EAVE EXTENSION TRIM	3 NAME: ETL_121 LEN (IN.): 121 DESC: LOW EAVE TRIM AT RAKE EXT.	4 NAME: ETR_121 LEN (IN.): 121 DESC: RAKE EXTENSION TRIM	5 NAME: ETS_121 LEN (IN.): 121 DESC: EXT. TRIM AT EAVE "S"	6 NAME: ETU_121 LEN (IN.): 121 DESC: UNIVERSAL EXTENSION TRIM	7 NAME: GHP121 LEN (IN.): 121 DESC: HORIZ. GUTT. POSITION TRIM	8 NAME: GHS_121 LEN (IN.): 121 DESC: HORIZ. GUTTER SUPPORT
							
9 NAME: GSC_121 LEN (IN.): 121 & 242 DESC: SCULPTURED GUTTER	10 NAME: HAT_120 LEN (IN.): 120 DESC: HAT CHANNEL	11 NAME: HBT120 LEN (IN.): 120 DESC: HIP BACKER (TRAP. PANELS)	12 NAME: HCT_121 LEN (IN.): 121 DESC: HIP CAP TRIM (TRAPEZOIDAL PNL.)	13 NAME: HCV_121 LEN (IN.): 121 DESC: HIP CAP TRIM (VERTICAL RIB PNL.)	14 NAME: HIP_120 LEN (IN.): 120 DESC: HIP INSULATION PAN	15 NAME: HMCR121 LEN (IN.): 121 DESC: HIP METAL CLOSURE (R-PANEL)	16 NAME: HPL_120 LEN (IN.): 120 DESC: HIP PLATE
							
17 NAME: HRJ121 LEN (IN.): 121 DESC: HIP RIB JAY	18 NAME: HRP_121 LEN (IN.): 121 DESC: H.E. PARA. TRIM - R-PANEL	19 NAME: HRSC_121 & 242 LEN (IN.): 121 & 242 DESC: H.E. SCULP. TRIM - R-PANEL	20 NAME: HTP_121 LEN (IN.): 121 DESC: HIGH EAVE PARA. - TRAP. PANEL	21 NAME: HTSC_121 & 242 LEN (IN.): 121 & 242 DESC: HIGH EAVE SCULP. - TRAP. PANEL	22 NAME: HVP_121 LEN (IN.): 121 DESC: HIGH EAVE PARA. - VERTICAL RIB	23 NAME: HVSC_121 & 242 LEN (IN.): 121 & 242 DESC: HIGH EAVE SCULP. - VERTICAL RIB	24 NAME: LBU121 LEN (IN.): 121 & 242 DESC: LOW EAVE - BASIC
							
25 NAME: LEM121 LEN (IN.): 121 DESC: LOW EAVE - MASONRY	26 NAME: LEU121 LEN (IN.): 121 DESC: LOW EAVE - EXTENSION	27 NAME: RIP121 LEN (IN.): 121 DESC: RIDGE. INSULATION PAN - JOISTS	28 NAME: RIPP181 LEN (IN.): 181 DESC: RIDGE INSULATION PAN - PURLINS	29 NAME: RPU121 LEN (IN.): 121 DESC: RAKE PARAPET TRIM	30 NAME: RSC_121 & 242 LEN (IN.): 121 & 242 DESC: SCULPTURED RAKE TRIM	31 NAME: RSS121 LEN (IN.): 121 DESC: RAKE SPACER - JOISTS	32 NAME: RTP_121 & 242 LEN (IN.): 121 & 242 DESC: RIDGE - TRAPEZOIDAL PANEL
							
33 NAME: RTR121 LEN (IN.): 121 DESC: ROOF TRIM RETAINER	34 NAME: RVCC182 LEN (IN.): 182 DESC: RIDGE VR CLOSURE COVER	35 NAME: RVC2122 LEN (IN.): 122 DESC: VERT. RIB RIDGE CLOSURE ZEE	36 NAME: RVL_121 LEN (IN.): 121 DESC: RIDGE - VERTICAL RIB	37 NAME: VDF_121 LEN (IN.): 121 DESC: VALLEY DIVERTER	38 NAME: VIP_120 LEN (IN.): 120 DESC: VALLEY INSULATION PAN	39 NAME: VPL_120 LEN (IN.): 120 DESC: VALLEY PLATE	40 NAME: -- LEN (IN.): -- DESC: --
							
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: --	47 NAME: -- LEN (IN.): -- DESC: --	48 NAME: -- LEN (IN.): -- DESC: --
							NOTE: TRIM PROFILE SCALE VARIES
							CBC ROOF TRIM SCHEDULE # LOW EAVE HIGH EAVE GABLE RAKE RIDGE TRIM EXTENSIONS & HIP VALLEY PROFILES
							A00040

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.](#)

							
1	2	3	4	5	6	7	8
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
							
9	10	11	12	13	14	15	16
NAME: CIA121 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
							
17	18	19	20	21	22	23	24
NAME: CW LEN (IN.): MULTL DESC: HEAD WRAP COVER	NAME: DJ_088 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
							
25	26	27	28	29	30	31	32
NAME: MFA121 LEN (IN.): 121 DESC: MISCELLANEOUS FILLER TRIM	NAME: MFR121 LEN (IN.): 121 DESC: MISCELLANEOUS FILLER TRIM	NAME: PR_072 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: --
							
33	34	35	36	37	38	39	40
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: --
							
41	42	43	44	45	46	47	48
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

WALL TRIM SCHEDULE
BASE, CORNER, PANEL, OPENING, INSE, OUTSET, AND PARTITION TRIM
PROFILES

A00050

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					ROOF FASTENERS				
	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	RECOMMENDED TOOL TYPES 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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" Ultimate Head Color: All Standard SMP & PVDF Check local plant stock inventory	"Goof Screw" Used at locations on roof, where fastener has stripped out.	RECOMMENDED TOOL TYPES 2000 RPM MAX Torque adjustable clutch DO NOT use impacting tools DRILLING CAPACITY 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	RECOMMENDED TOOL TYPES 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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" Ultimate Head Color: All Standard SMP & PVDF Check local plant stock inventory	Vented ridge -To accommodate the thickness of the Cor-A-Vent	RECOMMENDED TOOL TYPES 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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	RECOMMENDED TOOL TYPES 1800 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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" Ultimate 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	RECOMMENDED TOOL TYPES 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 0.110 MIN / 0.250 MAX Pre-Drill Diameter: 3/16" Ø
	H1075		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 - Long Attach panel clips, rake angle clips, eave plate to joist with insulation > R19 and ≤ R38	RECOMMENDED TOOL TYPES 1800 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 0.250 MIN / 0.500 MAX Pre-Drill Diameter: 3/16" Ø	H1035		Self-Drilling Screw 12-14 x 2" TCP 3 w/ Washer 5/16" Ultimate 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	RECOMMENDED TOOL TYPES 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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	RECOMMENDED TOOL TYPES 1800 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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" Ultimate 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	RECOMMENDED TOOL TYPES 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 0.035 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	RECOMMENDED TOOL TYPES 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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	RECOMMENDED TOOL TYPES 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	RECOMMENDED TOOL TYPES 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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	RECOMMENDED TOOL TYPES 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	RECOMMENDED TOOL TYPES 1800 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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	RECOMMENDED TOOL TYPES 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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	RECOMMENDED TOOL TYPES 1800 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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	Wood Structural Used to attach panel and trim to wood structure Non-Stock Special Order Fastener	RECOMMENDED TOOL TYPES 2000-2500 RPM Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools
	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	RECOMMENDED TOOL TYPES 2000 RPM MAX Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools DRILLING CAPACITY 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	RECOMMENDED TOOL TYPES 2000-2500 RPM Torque adjustable clutch, 4 AMP or higher DO NOT use impacting tools
H1060 / H1061		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 roofline trim details for specific applications.	RECOMMENDED TOOL TYPES N/A	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 roofline trim details for specific applications.	RECOMMENDED TOOL TYPES N/A	

A00100

Detailer Notes:

1) THIS DETAIL IS REQUIRED ON EVERY PROJECT.