NUCOR® BUILDINGS GROUP

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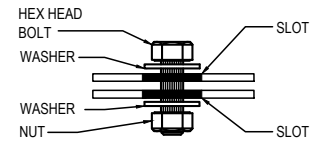
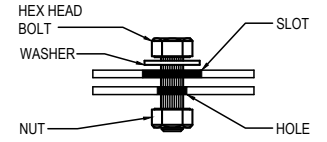
A00010 - WASHER REQUIREMENTS ERECTOR NOTE

Download the DWG file by clicking here.



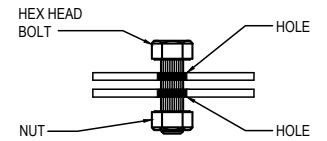
SLOT TO SLOT CONNECTIONS

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



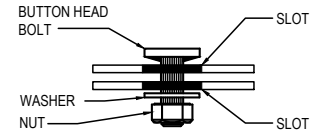
SLOT TO HOLE CONNECTIONS

ONE WASHER REQUIRED ON SLOTTED SIDE ONLY.



HOLE TO HOLE CONNECTIONS

NO WASHERS REQUIRED WHEN SLOTS ARE NOT USED.



SLOT TO SLOT CONNECTIONS

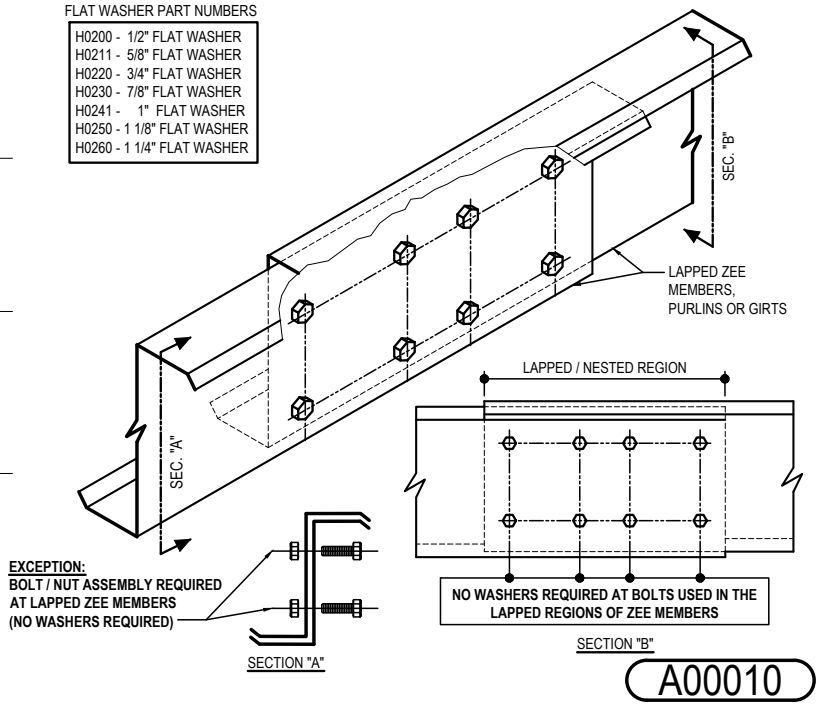
WASHER REQUIRED AT NUT SIDE ONLY FOR BUTTON HEAD BOLTS. (BUTTON HEAD BOLTS HAVE MATERIAL GRABBING FINS UNDER THE HEAD, A WASHER IS NOT NEEDED ON BOLT HEAD SIDE).

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

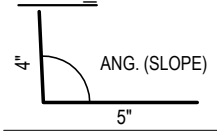
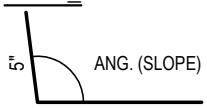
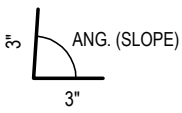
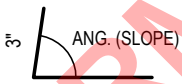
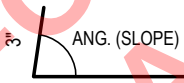
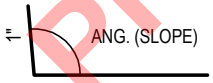
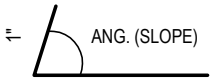
Detailer Notes:

1) N/A

A00030 - STANDARD ANGLE SCHEDULE

Download the DWG file by clicking here.

STANDARD ANGLE SCHEDULE

MAE0_ EAVE ANGLE GALVANIZED 4" x 5" x 120" 	**MAL01** LINER LOW EAVE ANGLE GALVANIZED 6" x 7-3/4" x 120"
MAF0_ EAVE ANGLE GALVANIZED 5" x 8" x 120" 	**MAL0_** LINER EAVE ANGLE GALVANIZED 3" x 3" x 120" 
MAG01 GIRT ANGLE GALVANIZED 1" x 2-1/2" x 12"	**MAL__** LINER EAVE ANGLE GALVANIZED 3" x 5" x 120" 
MAG02 GIRT ANGLE GALVANIZED 1" x 2-1/2" x 24"	**MAL1_** LINER EAVE ANGLE GALVANIZED 3" x 7-3/4" x 120" 
MAG03 GIRT ANGLE GALVANIZED 1" x 2-1/2" x 30"	**MAP01** RAKE PARAPET ANGLE GALVANIZED 2" x 12" x 120"
MAG10 GIRT ANGLE GALVANIZED 1" x 2-1/2" x 120"	**MAP02** RAKE PARAPET ANGLE GALVANIZED 6" x 6" x 120"
MAH0_ EAVE STRUT ANGLE GALVANIZED 1" x 2-1/2" x 12" 	**MAR01** RAKE ANGLE GALVANIZED 3" x 5" x 242"
MAH1_ EAVE STRUT ANGLE GALVANIZED 1" x 2-1/2" x 12" 	**MAR02** STANDING SEAM RAKE/ BASE ANGLE GALVANIZED 2" x 3" x 242" A00030

LEGACY INFORMATION PRE-TEKLA 2023.7

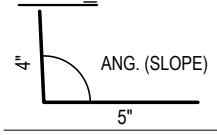
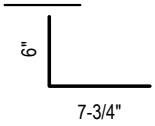
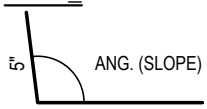
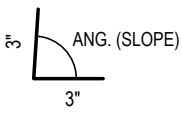
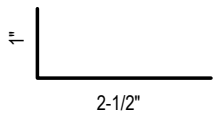
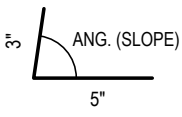
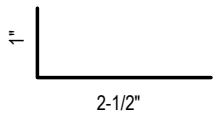
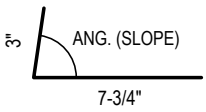
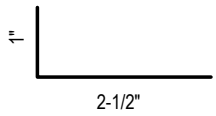
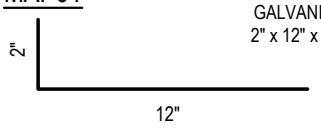
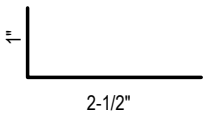
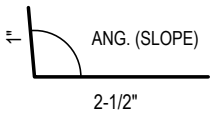
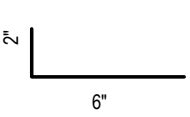
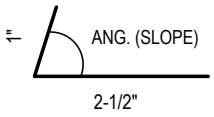
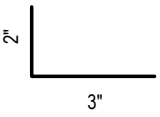
Detailer Notes:

1) N/A

A00031 - STANDARD ANGLE SCHEDULE

Download the DWG file by clicking here.

STANDARD ANGLE SCHEDULE

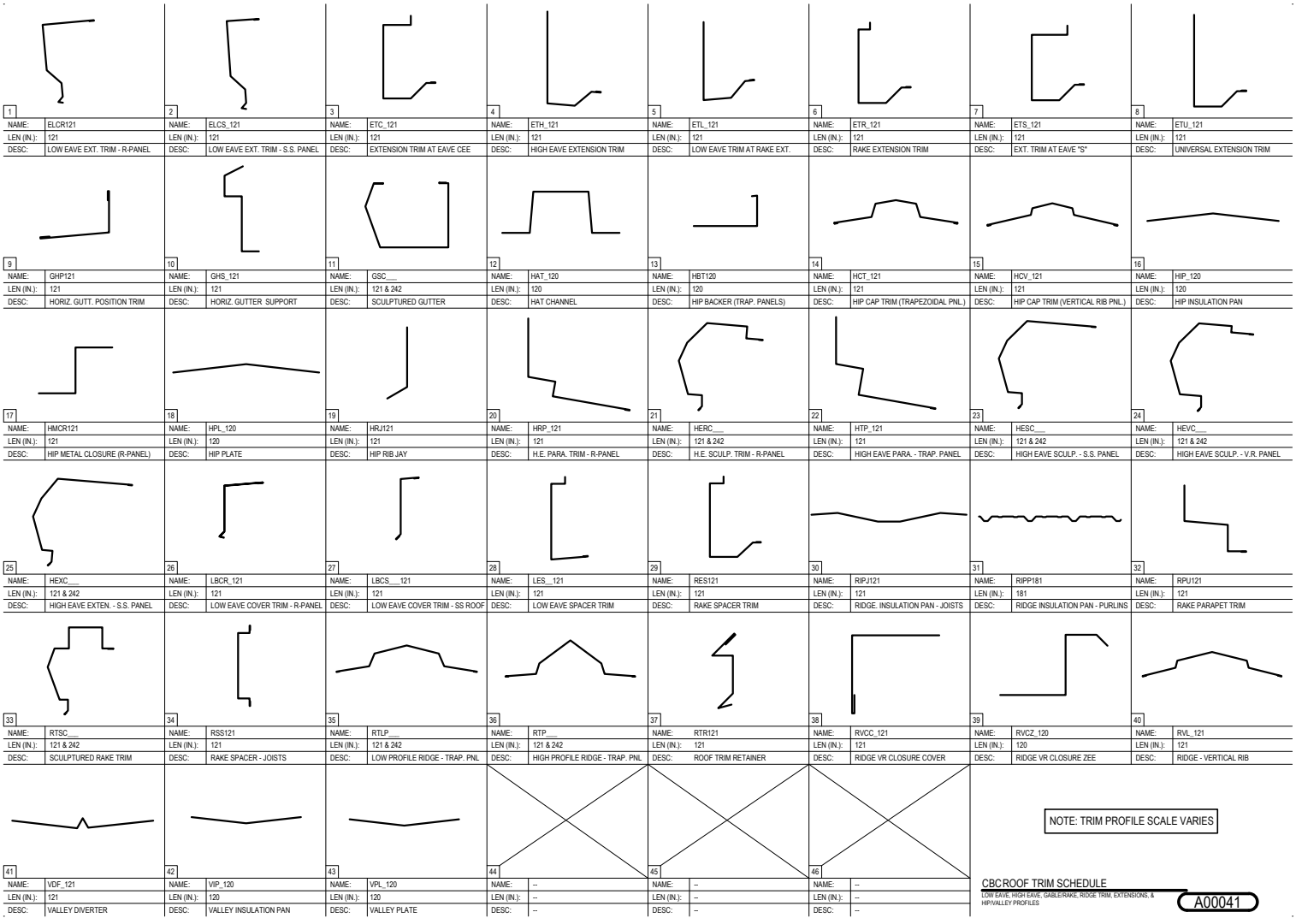
MAE0_ EAVE ANGLE GALVANIZED 4" x 5" x 120"		MAL01 LINER LOW EAVE ANGLE GALVANIZED 6" x 7-3/4" x 120"	
MAF0_ EAVE ANGLE GALVANIZED 5" x 8" x 120"		MAL0_ LINER EAVE ANGLE GALVANIZED 3" x 3" x 120"	
MAG01 GIRT ANGLE GALVANIZED 1" x 2-1/2" x 12"		MAL__ LINER EAVE ANGLE GALVANIZED 3" x 5" x 120"	
MAG02 GIRT ANGLE GALVANIZED 1" x 2-1/2" x 24"		MAL1_ LINER EAVE ANGLE GALVANIZED 3" x 7-3/4" x 120"	
MAG03 GIRT ANGLE GALVANIZED 1" x 2-1/2" x 30"		MAP01 RAKE PARAPET ANGLE GALVANIZED 2" x 12" x 120"	
MAG10 GIRT ANGLE GALVANIZED 1" x 2-1/2" x 120"		MAP02 RAKE PARAPET ANGLE GALVANIZED 6" x 6" x 120"	
MAH0_ EAVE STRUT ANGLE GALVANIZED 1" x 2-1/2" x 12"		MAR26 RAKE ANGLE GALVANIZED 2" x 6" x 242"	
MAH1_ EAVE STRUT ANGLE GALVANIZED 1" x 2-1/2" x 12"		MAR02 STANDING SEAM RAKE/ BASE ANGLE GALVANIZED 2" x 3" x 242"	 A00031

Detailer Notes:

1) N/A

A00041 - CBC TRIM SCHEDULE - ROOF LINE TRIM

Download the DWG file by clicking here.



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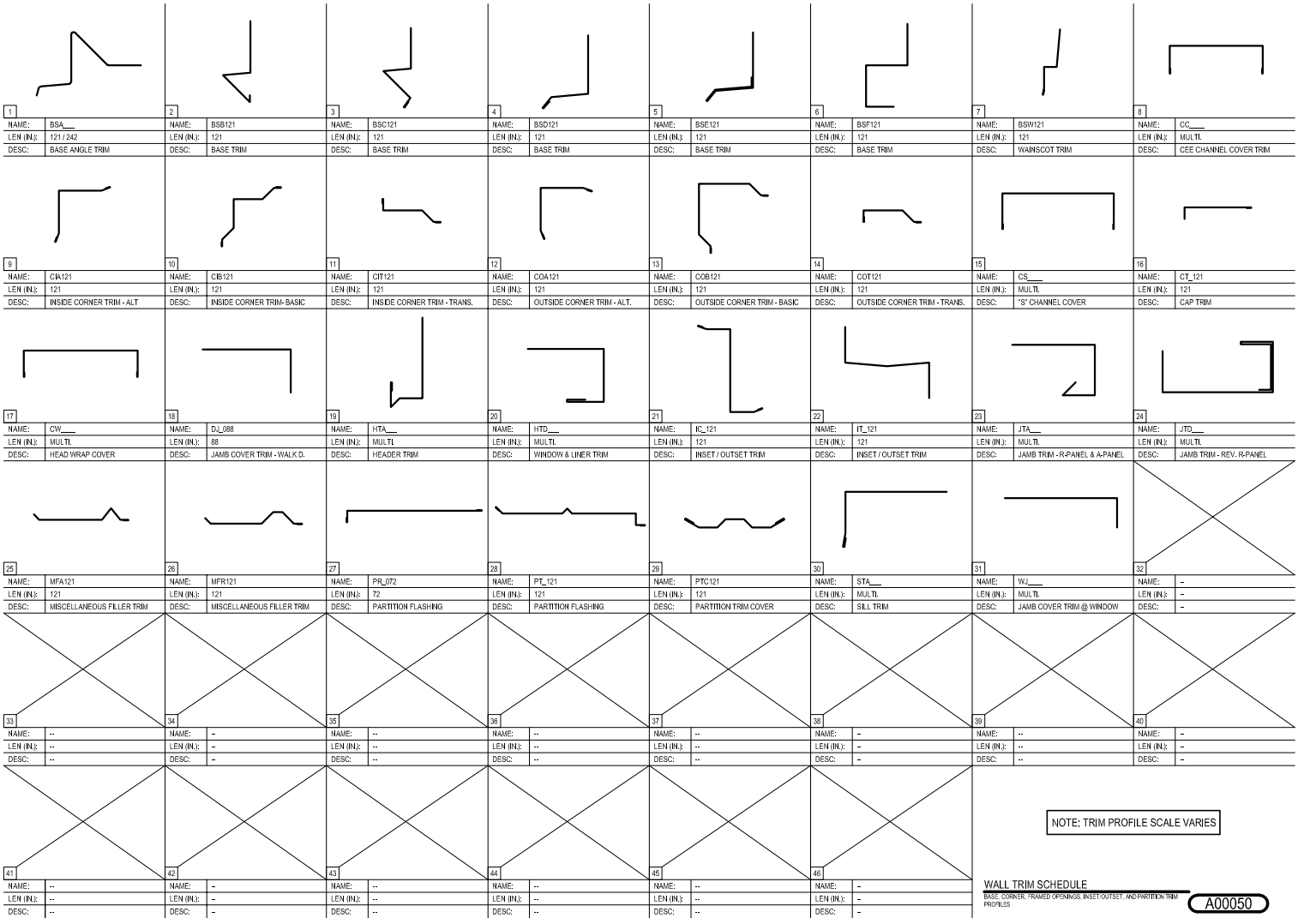
LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 121
DESC: LOW EAVE EXT. TRIM - R-PANEL	DESC: LOW EAVE EXT. TRIM - S.S. PANEL	DESC: EXTENSION TRIM AT EAVE CEE	DESC: HIGH EAVE EXTENSION TRIM	DESC: LOW EAVE TRIM AT RAKE EXT.	DESC: RAKE EXTENSION TRIM	DESC: EXT. TRIM AT EAVE "S"	DESC: UNIVERSAL EXTENSION TRIM
9	10	11	12	13	14	15	16
NAME: GHP121	NAME: GHS_121	NAME: GSC___	NAME: HAT_120	NAME: HBT120	NAME: HCT_121	NAME: HCV_121	NAME: HIP_120
LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 121 & 242	LEN (IN.): 120	LEN (IN.): 120	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 120
DESC: HORIZ. GUTT. POSITION TRIM	DESC: HORIZ. GUTTER SUPPORT	DESC: SCULPTURED GUTTER	DESC: HAT CHANNEL	DESC: HIP BACKER (TRAP. PANELS)	DESC: HIP CAP TRIM (TRAPEZOIDAL PNL.)	DESC: HIP CAP TRIM (VERTICAL RIB PNL.)	DESC: HIP INSULATION PAN
17	18	19	20	21	22	23	24
NAME: HMCR121	NAME: HPL_120	NAME: HRJ121	NAME: HRP_121	NAME: HERC___	NAME: HTP_121	NAME: HESC___	NAME: HEVC___
LEN (IN.): 121	LEN (IN.): 120	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 121 & 242	LEN (IN.): 121	LEN (IN.): 121 & 242	LEN (IN.): 121 & 242
DESC: HIP METAL CLOSURE (R-PANEL)	DESC: HIP PLATE	DESC: HIP RIB JAY	DESC: H.E. PARA. TRIM - R-PANEL	DESC: H.E. SCULP. TRIM - R-PANEL	DESC: HIGH EAVE PARA. - TRAP. PANEL	DESC: HIGH EAVE SCULP. - S.S. PANEL	DESC: HIGH EAVE SCULP. - V.R. PANEL
25	26	27	28	29	30	31	32
NAME: HEXC___	NAME: LBCR_121	NAME: LBCS___121	NAME: LES__121	NAME: RES121	NAME: RIPJ121	NAME: RIPP181	NAME: RPU121
LEN (IN.): 121 & 242	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 181	LEN (IN.): 121
DESC: HIGH EAVE EXTEN. - S.S. PANEL	DESC: LOW EAVE COVER TRIM - R-PANEL	DESC: LOW EAVE COVER TRIM - SS ROOF	DESC: LOW EAVE SPACER TRIM	DESC: RAKE SPACER TRIM	DESC: RIDGE. INSULATION PAN - JOISTS	DESC: RIDGE INSULATION PAN - PURLINS	DESC: RAKE PARAPET TRIM
33	34	35	36	37	38	39	40
NAME: RTSC___	NAME: RSS121	NAME: RTLP___	NAME: RTP___	NAME: RTR121	NAME: RVCC_121	NAME: RVCZ_120	NAME: RVL_121
LEN (IN.): 121 & 242	LEN (IN.): 121	LEN (IN.): 121 & 242	LEN (IN.): 121 & 242	LEN (IN.): 121	LEN (IN.): 121	LEN (IN.): 120	LEN (IN.): 121
DESC: SCULPTURED RAKE TRIM	DESC: RAKE SPACER - JOISTS	DESC: LOW PROFILE RIDGE - TRAP. PNL	DESC: HIGH PROFILE RIDGE - TRAP. PNL	DESC: ROOF TRIM RETAINER	DESC: RIDGE VR CLOSURE COVER	DESC: RIDGE VR CLOSURE ZEE	DESC: RIDGE - VERTICAL RIB
41	42	43	44	45	46		
NAME: VDF_121	NAME: VIP_120	NAME: VPL_120	NAME: --	NAME: --	NAME: --		
LEN (IN.): 121	LEN (IN.): 120	LEN (IN.): 120	LEN (IN.): --	LEN (IN.): --	LEN (IN.): --		
DESC: VALLEY DIVERTER	DESC: VALLEY INSULATION PAN	DESC: VALLEY PLATE	DESC: --	DESC: --	DESC: --		

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.

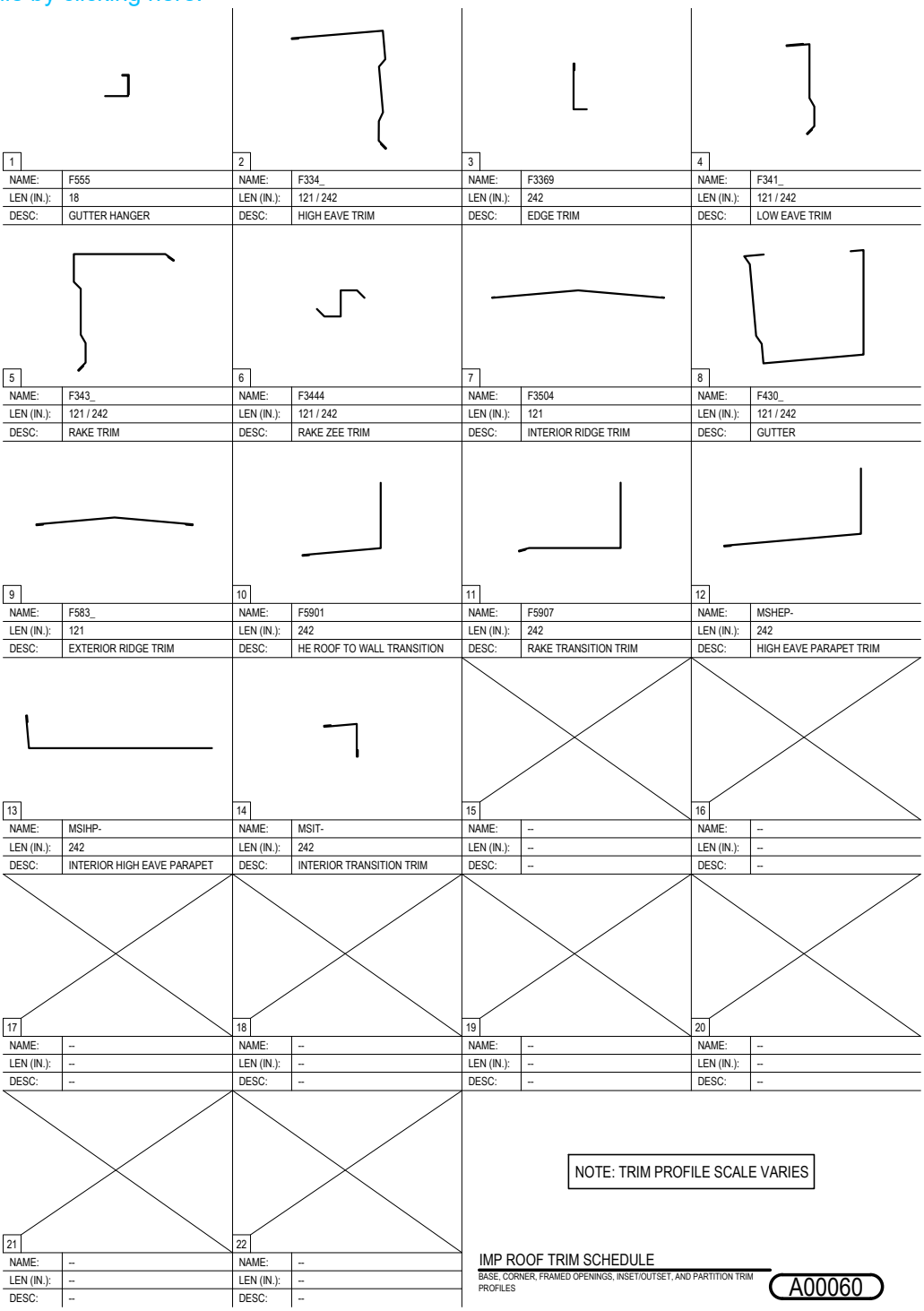


Detailer Notes:

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.

A00060 - IMP ROOF TRIM SCHEDULE

Download the DWG file by clicking here.



1		2		3		4	
NAME:	F555	NAME:	F334_	NAME:	F3369	NAME:	F341_
LEN (IN.):	18	LEN (IN.):	121 / 242	LEN (IN.):	242	LEN (IN.):	121 / 242
DESC:	GUTTER HANGER	DESC:	HIGH EAVE TRIM	DESC:	EDGE TRIM	DESC:	LOW EAVE TRIM
5		6		7		8	
NAME:	F343_	NAME:	F3444	NAME:	F3504	NAME:	F430_
LEN (IN.):	121 / 242	LEN (IN.):	121 / 242	LEN (IN.):	121	LEN (IN.):	121 / 242
DESC:	RAKE TRIM	DESC:	RAKE ZEE TRIM	DESC:	INTERIOR RIDGE TRIM	DESC:	GUTTER
9		10		11		12	
NAME:	F583_	NAME:	F5901	NAME:	F5907	NAME:	MSHEP-
LEN (IN.):	121	LEN (IN.):	242	LEN (IN.):	242	LEN (IN.):	242
DESC:	EXTERIOR RIDGE TRIM	DESC:	HE ROOF TO WALL TRANSITION	DESC:	RAKE TRANSITION TRIM	DESC:	HIGH EAVE PARAPET TRIM
13		14		15		16	
NAME:	MSIHP-	NAME:	MSIT-	NAME:	--	NAME:	--
LEN (IN.):	242	LEN (IN.):	242	LEN (IN.):	--	LEN (IN.):	--
DESC:	INTERIOR HIGH EAVE PARAPET	DESC:	INTERIOR TRANSITION TRIM	DESC:	--	DESC:	--
17		18		19		20	
NAME:	--	NAME:	--	NAME:	--	NAME:	--
LEN (IN.):	--	LEN (IN.):	--	LEN (IN.):	--	LEN (IN.):	--
DESC:	--	DESC:	--	DESC:	--	DESC:	--
21		22					
NAME:	--	NAME:	--				
LEN (IN.):	--	LEN (IN.):	--				
DESC:	--	DESC:	--				

NOTE: TRIM PROFILE SCALE VARIES

IMP ROOF TRIM SCHEDULE
BASE, CORNER, FRAMED OPENINGS, INSET/OUTSET, AND PARTITION TRIM PROFILES

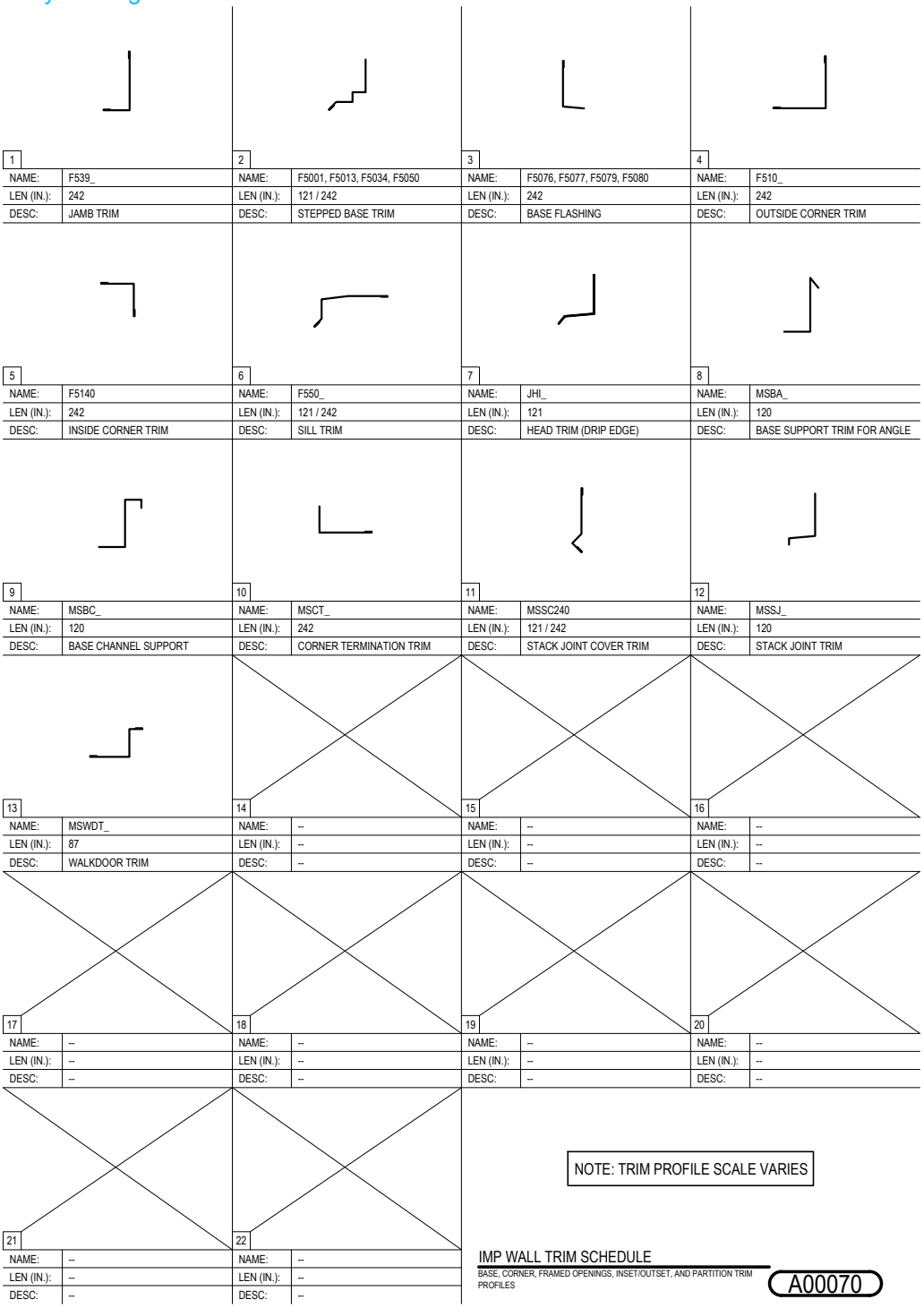
A00060

Detailer Notes:

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

A00070 - IMP WALL TRIM SCHEDULE

Download the DWG file by clicking here.



1		2		3		4	
NAME:	F539_	NAME:	F5001, F5013, F5034, F5050	NAME:	F5076, F5077, F5079, F5080	NAME:	F510_
LEN (IN.):	242	LEN (IN.):	121 / 242	LEN (IN.):	242	LEN (IN.):	242
DESC:	JAMB TRIM	DESC:	STEPPED BASE TRIM	DESC:	BASE FLASHING	DESC:	OUTSIDE CORNER TRIM
5		6		7		8	
NAME:	F5140	NAME:	F550_	NAME:	JHI_	NAME:	MSBA_
LEN (IN.):	242	LEN (IN.):	121 / 242	LEN (IN.):	121	LEN (IN.):	120
DESC:	INSIDE CORNER TRIM	DESC:	SILL TRIM	DESC:	HEAD TRIM (DRIP EDGE)	DESC:	BASE SUPPORT TRIM FOR ANGLE
9		10		11		12	
NAME:	MSBC_	NAME:	MSCT_	NAME:	MSSC240	NAME:	MSSJ_
LEN (IN.):	120	LEN (IN.):	242	LEN (IN.):	121 / 242	LEN (IN.):	120
DESC:	BASE CHANNEL SUPPORT	DESC:	CORNER TERMINATION TRIM	DESC:	STACK JOINT COVER TRIM	DESC:	STACK JOINT TRIM
13		14		15		16	
NAME:	MSWDT_	NAME:	--	NAME:	--	NAME:	--
LEN (IN.):	87	LEN (IN.):	--	LEN (IN.):	--	LEN (IN.):	--
DESC:	WALKDOOR TRIM	DESC:	--	DESC:	--	DESC:	--
17		18		19		20	
NAME:	--	NAME:	--	NAME:	--	NAME:	--
LEN (IN.):	--	LEN (IN.):	--	LEN (IN.):	--	LEN (IN.):	--
DESC:	--	DESC:	--	DESC:	--	DESC:	--
21		22					
NAME:	--	NAME:	--				
LEN (IN.):	--	LEN (IN.):	--				
DESC:	--	DESC:	--				

Detailer Notes:

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

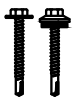
A00100 - STANDARD FASTENER SCHEDULE

Download the DWG file by clicking here.

PANEL CLIP & SECONDARY ATTACHMENT FASTENERS

FASTENER		SPECIFICATIONS	USAGE	NOTES
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
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
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
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	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
H1079		Self-Drilling Screw SDI 12-24 x 1 1/2" #5 Drilltite 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

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
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
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 -HR w/o 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
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/o 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
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	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

ROOF FASTENERS

FASTENER		SPECIFICATIONS	USAGE	NOTES
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
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 accomodate the thickness of Purlin Vent from 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
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
H1035		Self-Drilling Screw 12-14 x 1 1/2" 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
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

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	RECOMMENDED TOOL TYPES Manual or electric rivet tool DO NOT use impacting tools
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
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
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
H1224		Self-Tapping Fastener Type-A or Type-17 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
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.