NUCOR® BUILDINGS GROUP

TABLE OF CONTENTS

GA0400-EMBOSSED TUFF COATED PRESS-BROKE DOWNSPOUT

GENERAL & DOWNSPOUT DETAILS

WALL SHEETING

GA0000 - WALL SHEETING GENERAL NOTES

Download the DWG file by clicking here.

BUILDING & PANEL PREPARATION

STEP 1: PLUMB AND SQUARE
THE FIRST STEP IN THE SUCCESSFUL INSTALLATION OF WALL PANELS IS TO HAVE THE PRIMARY FRAMING PLUMB AND SQUARE. FOR BEST RESULTS, IT IS RECOMMENDED THAT A TRANSIT BE USED WHEN ERECTING THE STRUCTURAL STEEL. MAKE SURE THAT THE FOUNDATION AND BUILDING STRUCTURE IS SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.
SEE FIGURE "A"

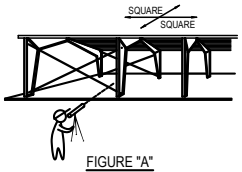


FIGURE "A"

STEP 2: GIRT BLOCKING
BLOCK GIRTS TO "LEVEL" POSITION BEFORE STARTING THE WALL SHEETING OR INSULATION. CHECK TO BE SURE THAT THE EAVE STRUT AND GIRTS ARE STRAIGHT AND PLUMB. TO ALIGN THE GIRTS, CUT TEMPORARY WOOD BLOCKING TO THE PROPER LENGTH AND INSTALL BETWEEN THE LINES OF GIRTS. THIS BLOCKING CAN BE MOVED FROM BAY TO BAY WHICH WILL REDUCE THE NUMBER OF PIECES REQUIRED. NORMALLY, ONE LINE OF BLOCKING PER BAY WILL BE SUFFICIENT BUT WIDER BAYS MAY REQUIRE MORE. IT IS RECOMMENDED TO BLOCK AT LEAST TWO BAYS AND LEAP FROG THE BLOCKING AS A BAY IS SHEETED. BLOCKING SHOULD NOT BE REMOVED UNTIL THE FULL BAY HAS BEEN SHEETED.
SEE FIGURE "B"

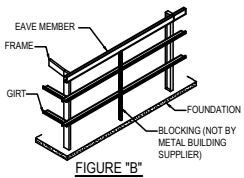


FIGURE "B"

STEP 3: PRE-DRILL PANEL LAP
STACK PANELS WITH ENDS FLUSH ON A LEVEL PLACE ON THE GROUND IN PILES NOT EXCEEDING 10 PANELS. THEN PLACE SMALL WOODEN BLOCKS UNDER SIDE-LAPPING EDGE OF STACK OF PANELS TO HOLD THEM AT CORRECT HEIGHT AND POSITION WHILE DRILLING FASTENER HOLES. HOLD PANELS TIGHTLY TOGETHER AT EACH END WITH CLAMPING PLIERS. CAREFULLY MARK POSITIONS FOR SIDE-LAP FASTENERS ON TOP OF HIGH RIB. FASTENERS SHOULD BE LOCATED "ON CENTER" OF HIGH RIB. DRILL HOLES FOR "STITCH" FASTENER (USE #1,-7/32" - 15/64" DRILL-BIT) ON TOP SHEET OF SIDE-LAP. BE SURE PANELS ARE WELL NESTED BEFORE DRILLING.
SEE FIGURE "C"

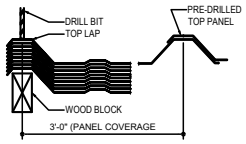


FIGURE "C"

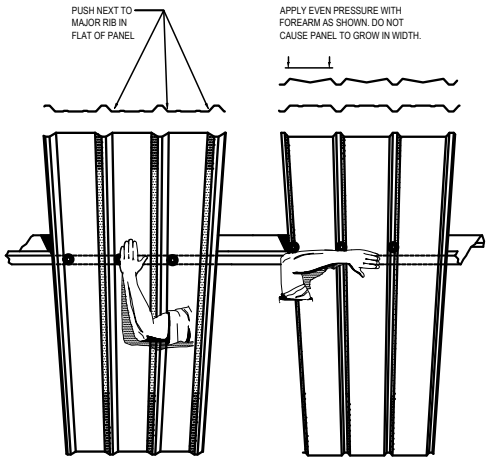
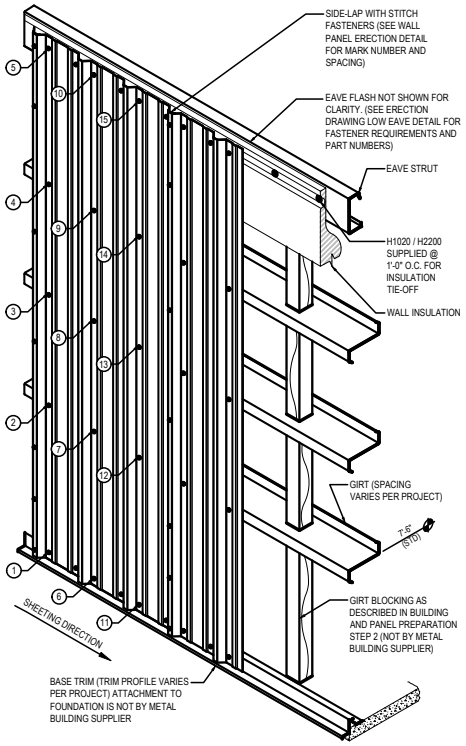


FIGURE "E"



NOTE: BASE TRIM PROFILES ARE MANUFACTURED WITH A 5°D SLOPE TO PROMOTE WATER SHED. ENSURE SLOPE IS PRESENT TO PREVENT HOLDING WATER. DO NOT ALLOW WEIGHT OF PANEL TO OVER BEND TRIM CREATING LARGER GAP AT RIB OF PANEL.
FIGURE "D"

FIELD CUTTING PANELS

WHEN FIELD CUTTING OR MITERING WALL PANELS, NON-ABRASIVE CUTTING TOOLS SUCH AS NIBBLERS OR TIN-SNIPS SHALL BE USED. ABRASIVE CUTTING TOOLS SUCH AS MECHANICAL GRINDERS OR POWER SAWS CAN DAMAGE THE MATERIAL FINISH AND CREATE EXCESS METAL SHAVINGS THAT CAN CORRODE THE PANELS. THE USE OF NON-APPROVED CUTTING DEVICES MAY VOID THE FACTORY WARRANTY.

ANY METAL SHAVINGS THAT ARE CREATED NEED TO BE CLEANED FROM THE PANEL TO PREVENT SCRATCHING AND/OR CORROSION. THE MANUFACTURER WILL NOT ACCEPT CLAIMS FOR DAMAGE/DETERIORATION DUE TO USE OF UNAPPROVED TOOLS.

FASTENER INSTALLATION

RECOMMENDED TOOL TYPES: SEE ALSO FASTENER SCHEDULE
4 AMP OR HIGHER RATED TOOLS (DO NOT USE IMPACTING TOOLS)
2000 - 2500 RPM SCREW GUN WITH TORQUE ADJUSTABLE CLUTCH
MANUAL OR ELECTRIC RIVET TOOL

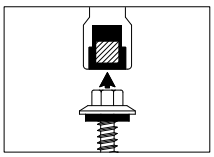
DO NOT USE IMPACTING TOOLS
TO ASSURE PROPER VOLTAGE TO THE TOOL, EXTENSION CORDS SHOULD BE CHECKED FOR PROPER WIRE SIZE/CHORD LENGTH.
- 16 GAGE WIRE, MAXIMUM CHORD LENGTH = 100'
- 14 GAGE WIRE, MAXIMUM CHORD LENGTH = 200'
- 12 GAGE WIRE, MAXIMUM CHORD LENGTH = 300'

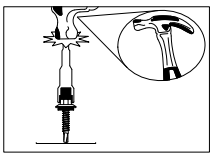
DRIVING TIPS:
SET THE NUT DRIVER AS DESCRIBED BELOW PRIOR TO INSTALLING FASTENERS TO PREVENT FASTENER WOBBLE...

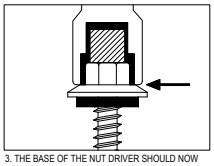
COMPRESS THE INSULATION AT FASTENER LOCATION WITH ONE HAND WHILE DRIVING THE FASTENER WITH THE OTHER. THIS WILL HELP KEEP THE PANEL FLAT AND PREVENT THE FASTENER FROM "WALKING". DRIVE FASTENERS PERPENDICULAR TO PANEL SURFACE.

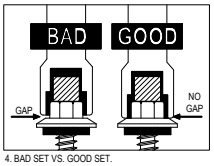
EXCESSIVE PRESSURE CAN CAUSE DRILL POINT FAILURE. LET THE FASTENER DO THE WORK.

DO NOT OVER TIGHTEN FASTENERS AS THIS WILL LEAD TO PANEL DIMPLING AND DISTORTION.


1. PUT THE TOP OF THE FASTENER INTO THE NUT DRIVER. NOTE: FOR PAINTED FASTENERS, PLACE A SINGLE OR DOUBLED LAYER OF PLASTIC BETWEEN THE FASTENER HEAD AND THE NUT DRIVER.


2. PLACE THE POINT OF THE FASTENER ONTO A HARD SURFACE AND FIRMLY HIT THE TOP OF THE NUT DRIVER 2-3 TIMES.


3. THE BASE OF THE NUT DRIVER SHOULD NOW BE CONTACTING THE TOP OF THE HEAD OF THE FASTENER WITH NO GAPS.



4. BAD SET VS. GOOD SET.

PANEL INSTALLATION & FASTENER SEQUENCE

STEP 1: INSTALL FIRST PANEL
INSTALL THE FIRST WALL PANEL AT THE BUILDING CORNER AND ALIGN THE PANEL RIB WITH THE STEEL LINE AS SHOWN IN THE CORNER DETAILS USING THE START/FINISH DIMENSION SHOWN ON THE PLAN. IT IS EXTREMELY IMPORTANT THAT THE FIRST WALL PANEL IS INSTALLED PLUMB AND SQUARE. USE A LEVEL OR A TRANSIT TO AID IN THIS PROCESS.

PLACE A 1/8" SHIM ON THE BASE TRIM UNDER THE PANEL TO HOLD THE PANEL OFF THE BASE TRIM. ENSURE THAT THE WEIGHT OF THE PANEL DOES NOT FORCE BASE TRIM TO EXCESSIVELY BEND DOWN. BASE TRIM SHOULD HAVE A SLIGHT SLOPE TO ALLOW WATER TO RUN OUT AND NOT SIT ON BASE TRIM.
SEE FIGURE "D" - TO RIGHT

WHEN INSTALLING THE PANEL, APPLY PRESSURE EVENLY TO AVOID DISTORTING THE PANEL AND CAUSING OIL CANNING.
SEE FIGURE "E" - ABOVE

RECOMMENDED PANEL FASTENING SEQUENCE IS SHOWN TO THE RIGHT. THIS PATTERN AIDS IN PLUMBING AS WELL AS MAINTAINING PANEL COVERAGE / MODULARITY. SOME APPLICATIONS MAY REQUIRE MODIFIED SEQUENCE AND WILL BE BEST DETERMINED IN THE FIELD. DO NOT ATTACH PANEL AT BASE AND TOP AND WORK TOWARD THE MIDDLE OF THE PANEL. THIS CREATES OIL CANNING. MANUFACTURER IS NOT RESPONSIBLE FOR FINAL APPEARANCE OF INSTALLED PANEL

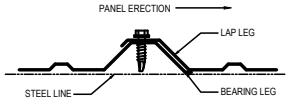
STEP 2: INSTALL SUBSEQUENT PANELS
INSTALL THE SECOND PANEL BY LAYING THE LAP EDGE OVER THE BEARING RIB OF THE FIRST PANEL. SEE BELOW FOR PROPER ALIGNMENT AT SIDE-LAP. CHECK PANEL PLUMBNESS AND FASTEN PANEL IN THE SAME SEQUENCE STARTING WITH THE STRUCTURAL FASTENERS ALONG THE LAP TO ENSURE A TIGHT SIDE-LAP. CONTINUE FOR THE REMAINDER OF THE WALL, CUTTING PANELS AROUND FRAMED OPENINGS AS REQUIRED. (TRIM SHOULD BE INSTALLED AROUND OPENINGS PRIOR TO INSTALLING PANEL)

RECOMMENDED TIPS:
WALL PANELS CAN BE INSTALLED LEFT TO RIGHT OR RIGHT TO LEFT. IT IS RECOMMENDED TO INSTALL SHEETS STARTING OPPOSITE THE PREVAILING VIEW / WIND SO THAT THE SIDE-LAP SEAM IS AWAY AND LESS NOTICEABLE.

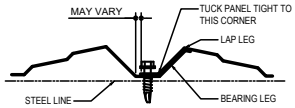
PANEL ORIENTATION AND ALIGNMENT

NOTE THE ORIENTATION OF THE PROFILE AND BEARING LEG FOR THE LEADING EDGE OF THE PANEL. PANELS SHOULD BE INSTALLED AS SHOWN BELOW TO HELP MAINTAIN PANEL MODULARITY / COVERAGE FOR THE LENGTH OF THE WALL.

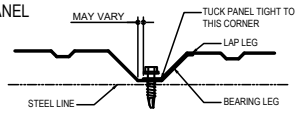
R-PANEL



A-PANEL



REVERSE R-PANEL



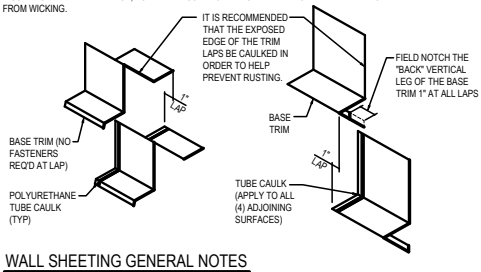
BASE TRIM LAP SEALANT

AT BASE TRIM LAPS, APPLY A BEAD OF POLYURETHANE TUBE CAULK (H3152) TO ALL ADJOINING SURFACES AND LAP 1". SEE BASE TRIM DETAIL FOR THE SPECIFIC TRIM FOR YOUR PROJECT.

IF JOB HAS OPTIONAL FOAM PANEL CLOSURES ORDERED AT BASE, ATTACH TO INSIDE OF WALL PANEL AT BASE AND FASTEN THROUGH PANEL AND CLOSURE, INTO BASE TRIM. FASTENING PATTERN WILL VARY PER WALL PANEL TYPE. REFER TO THE WALL PANEL ERECTION DETAIL FOR MORE FASTENING INFO.

USE SUPPLIED BASE CORNER PIECES OR FIELD MITER BASE TRIM AT CORNERS.

INSULATION HINT: AT THE BASE, FOLD THE INSULATION VAPOR BARRIER OVER THE FIBER TO HELP PREVENT WATER FROM WICKING.



WALL SHEETING GENERAL NOTES

GA0000

Detailer Notes:

1) THIS DETAIL IS REQUIRED ON EVERY PROJECT WITH WALL PANEL.

GA0005 - WALL PANEL CLOSURES - ALL

Download the DWG file by clicking here.

CONTRACT SELECTION: ALL CONDITIONS, IF APPLICABLE

- ☒ BLDG. RAKE PARAPET: CLOSURES ALWAYS PROVIDED - STRAIGHT CLOSURES UP TO 1 1/2:12. BEVELED CLOSURES UP 9:12.
- ☒ BLDG. HIGH EAVE PARAPET: CLOSURES ALWAYS PROVIDED - STRAIGHT CLOSURES.
- ☒ BLDG. PARAPET GUTTER: CLOSURES ALWAYS PROVIDED - STRAIGHT CLOSURES.
- ☒ EAVE/RAKE EXTENSION WITH SOFFIT PANEL: CLOSURES ALWAYS PROVIDED,
- ☒ TRANSLUCENT WALL PANEL: CLOSURES ALWAYS PROVIDED.
- ☒ INSET/RECESSED WALLS: CLOSURES ALWAYS PROVIDED.
- ☒ BOXED CANOPIES: CLOSURES ALWAYS PROVIDED.
- ☒ CLOSED FASCIA'S: CLOSURES ALWAYS PROVIDED.
- ☒ BLDG. SCULPTURED RAKE TRIM: - STRAIGHT CLOSURES PROVIDED UP TO 1 1/2:12. BEVELED CLOSURES UP 9:12.
- ☒ BLDG. HIGH EAVE SCULPTURED TRIM: - STRAIGHT CLOSURES PROVIDED.
- ☒ BLDG. LOW EAVE BASIC / ON-SLOPE GUTTER / HORIZ GUTTER: - STRAIGHT CLOSURES PROVIDED.
- ☒ BLDG. BASE TRIM: STRAIGHT CLOSURES PROVIDED.
- ☒ BLDG. FRAMED OPENING HEAD TRIM / SILL TRIM: - STRAIGHT CLOSURES PROVIDED.
- ☒ BLDG. WAINSCOT TRANSITION: - STRAIGHT CLOSURES PROVIDED.

WALL PANEL CLOSURE REQUIREMENTS

SEE SPECIFIC DETAILS & WALL PANEL ELEVATIONS
FOR PART MARKS & CLOSURE LOCATIONS

GA0005

Detailer Notes:

1) THIS DETAIL IS REQUIRED WHEN "INCLUDE CLOSURES" IS SELECTED IN THE CONTRACT.
2) DETAILER TO UN-SELECT NON-APPLICABLE CONDITIONS ON THIS DETAIL AS REQUIRED.
3) DETAILER TO MODIFY CERTAIN TRIM DETAILS WITH THE SELECTION OF THE APPROPRIATE LAYERS.
4) THIS DETAIL IS TO BE PLACED ONE TIME IN A DRAWING SET & AT THE BEGINNING OF THE SHEETING DETAILS.

GA0006 - WALL PANEL CLOSURES - SPECIFIC

Download the DWG file by clicking here.

CONTRACT SELECTION: SPECIFIC CONDITIONS, IF APPLICABLE

- ☒ BLDG. RAKE PARAPET: CLOSURES ALWAYS PROVIDED - STRAIGHT CLOSURES UP TO 1 1/2:12. BEVELED CLOSURES UP 9:12.
- ☒ BLDG. HIGH EAVE PARAPET: CLOSURES ALWAYS PROVIDED - STRAIGHT CLOSURES.
- ☒ BLDG. PARAPET GUTTER: CLOSURES ALWAYS PROVIDED - STRAIGHT CLOSURES.
- ☒ EAVE/RAKE EXTENSION WITH SOFFIT PANEL: CLOSURES ALWAYS PROVIDED,
- ☒ TRANSLUCENT WALL PANEL: CLOSURES ALWAYS PROVIDED.
- ☒ INSET/RECESSED WALLS: CLOSURES ALWAYS PROVIDED.
- ☒ BOXED CANOPIES: CLOSURES ALWAYS PROVIDED.
- ☒ CLOSED FASCIA'S: CLOSURES ALWAYS PROVIDED.
- ☐ BLDG. SCULPTURED RAKE TRIM: - STRAIGHT CLOSURES PROVIDED UP TO 1 1/2:12. BEVELED CLOSURES UP 9:12.
- ☐ BLDG. HIGH EAVE SCULPTURED TRIM: - STRAIGHT CLOSURES PROVIDED.
- ☐ BLDG. LOW EAVE BASIC / ON-SLOPE GUTTER / HORIZ GUTTER: - STRAIGHT CLOSURES PROVIDED.
- ☐ BLDG. BASE TRIM: STRAIGHT CLOSURES PROVIDED.
- ☐ BLDG. FRAMED OPENING HEAD TRIM / SILL TRIM: - STRAIGHT CLOSURES PROVIDED.
- ☐ BLDG. WAINSCOT TRANSITION: - STRAIGHT CLOSURES PROVIDED.

WALL PANEL CLOSURE REQUIREMENTS

SEE SPECIFIC DETAILS & WALL PANEL ELEVATIONS
FOR PART MARKS & CLOSURE LOCATIONS

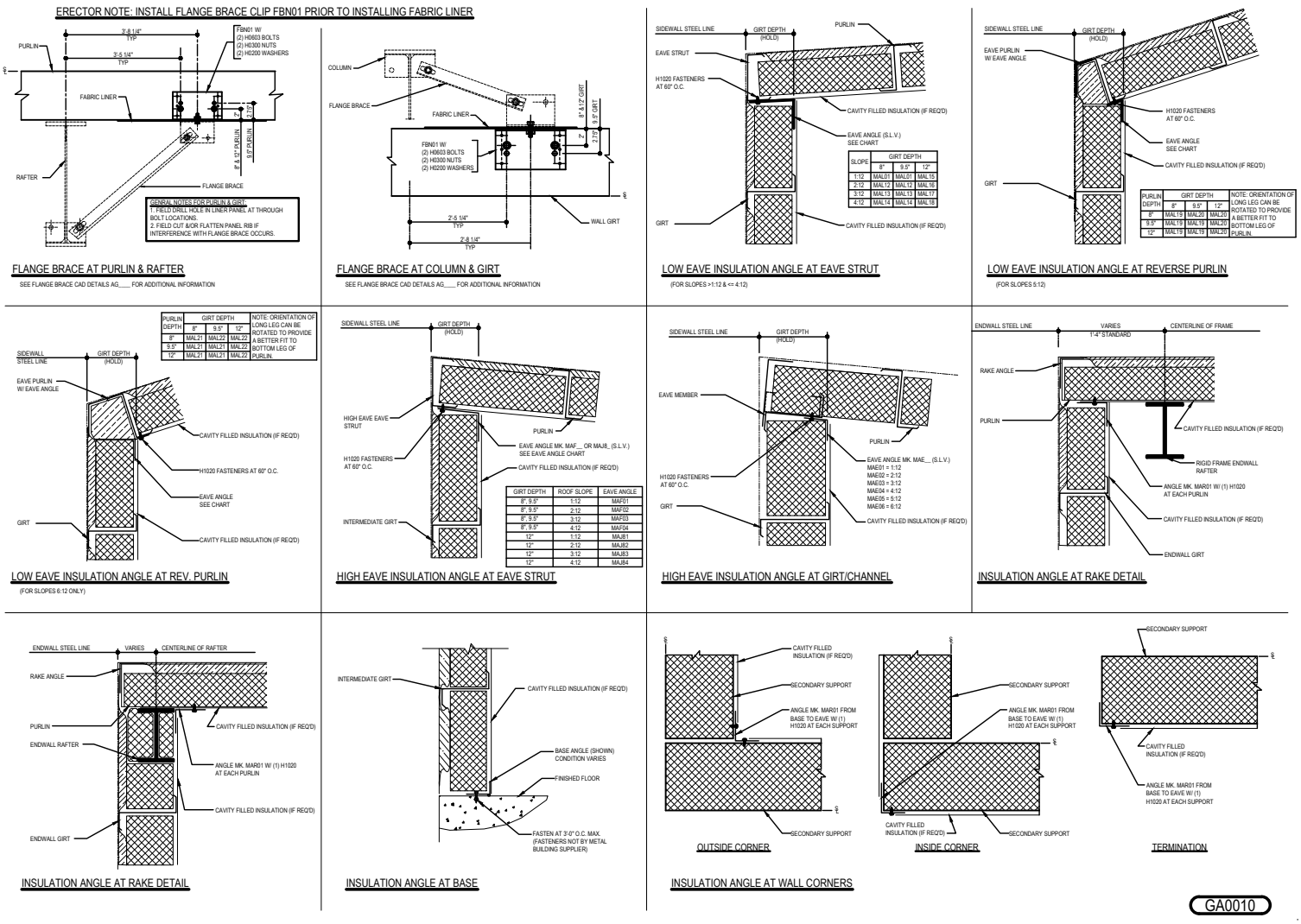
GA0006

Detailer Notes:

1) THIS DETAIL IS REQUIRED WHEN "INCLUDE CLOSURES" ***IS NOT*** SELECTED IN THE CONTRACT.
2) DETAILER TO UN-SELECT NON-APPLICABLE CONDITIONS ON THIS DETAIL AS REQUIRED.
3) DETAILER TO MODIFY CERTAIN TRIM DETAILS WITH THE SELECTION OF THE APPROPRIATE LAYERS.
4) THIS DETAIL IS TO BE PLACED ONE TIME IN A DRAWING SET & AT THE BEGINNING OF THE SHEETING DETAILS.

GA0010 - CAVITY FILLED INSULATION - EAVE & RAKE ANGLE

Download the DWG file by clicking here.

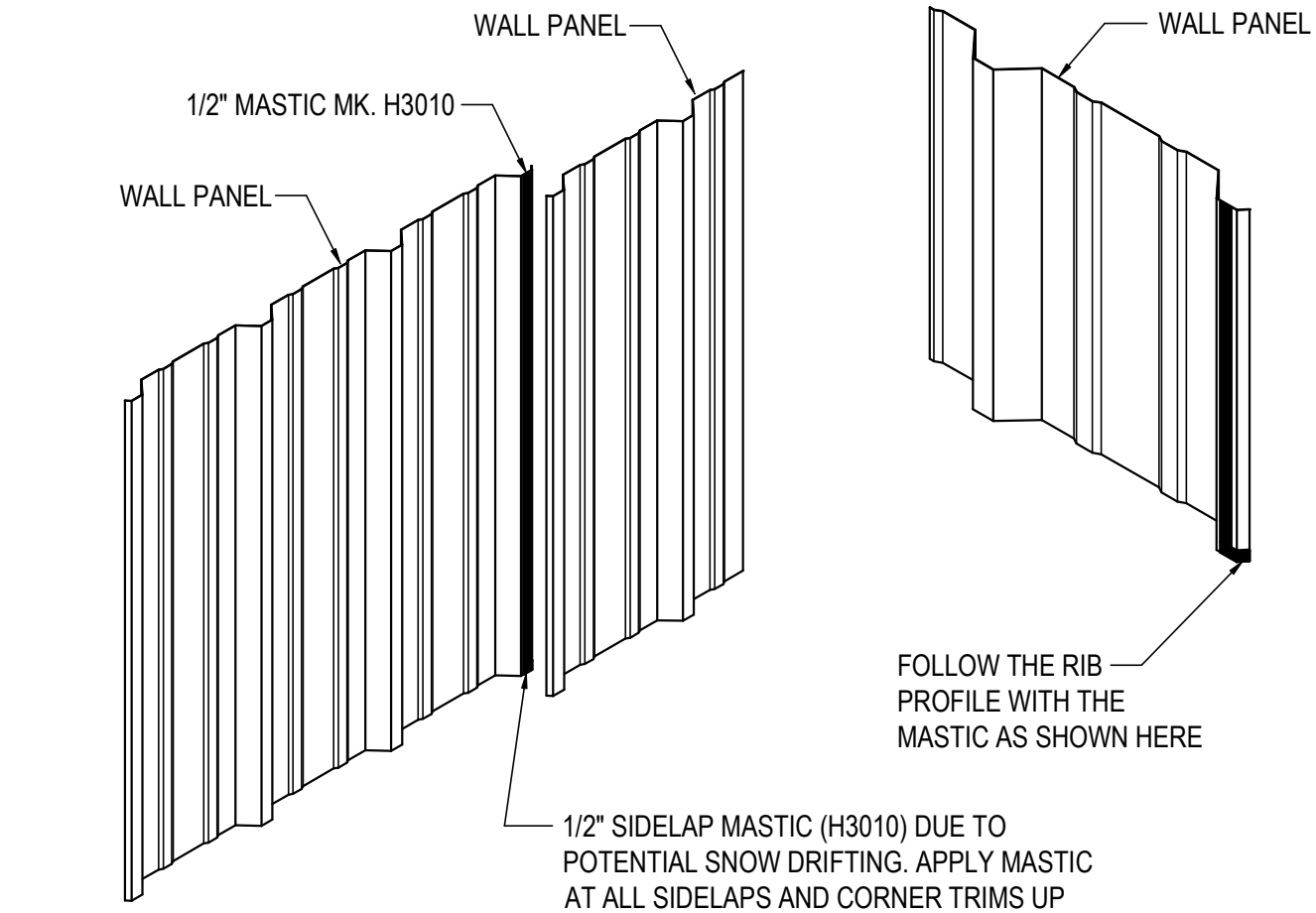


Detailer Notes:

1) USE ONLY WHEN CONTRACT SPECIFICALLY REQUEST ATTACHMENT ANGLES FOR VAPOR RETARDER ON PROJECTS WITH CAVITY FILLED INSULATION.
2) THIS DETAIL IS ALWAYS REQUIRED WITH CAVITY INSULATION FOR NBGW.

GA0015 - PANEL SIDELAP DETAIL AT POTENTIAL SNOW DRIFT AREAS

Download the DWG file by clicking here.



PANEL SIDELAP DETAIL AT POTENTIAL SNOW DRIFT AREAS

SEE WALL SHEETING ELEVATIONS FOR LOCATIONS

GA0015

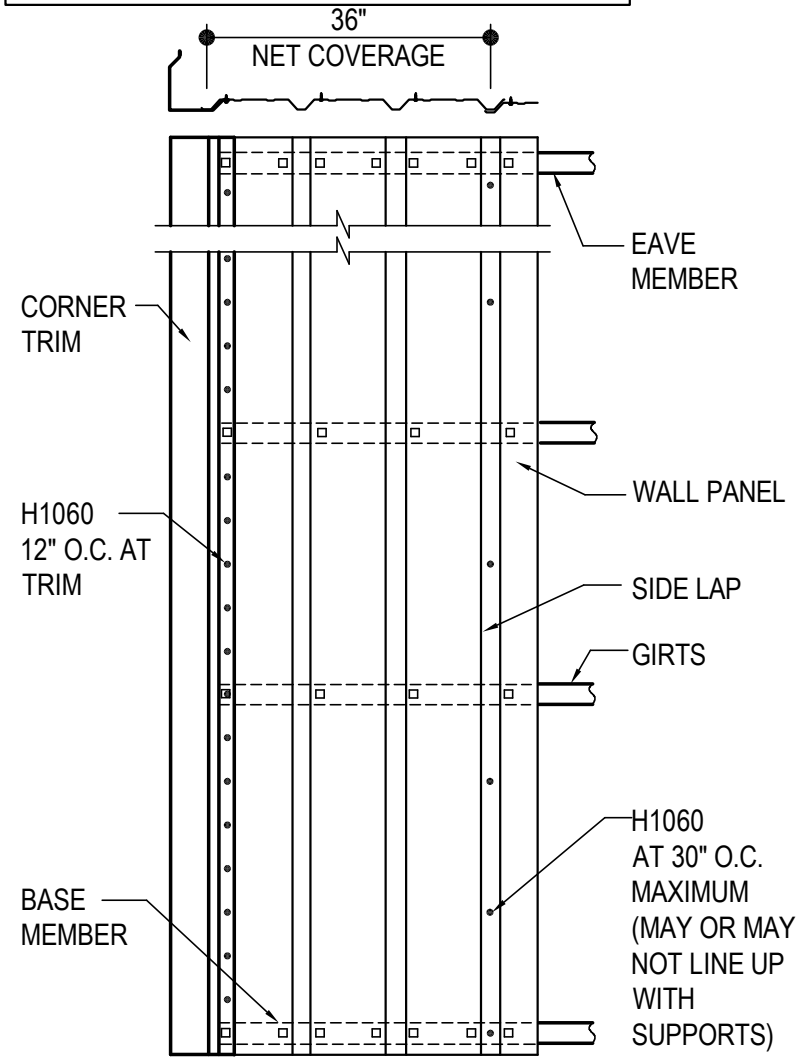
Detailer Notes:

1) THIS IS ONLY FOR PARAPET AND ROOF-TO-WALL TRANSITIONS WHERE SNOW DRIFT CONDITIONS COULD OCCUR AND ONLY IF THE GROUND SNOW LOAD IS 5 PSF OR GREATER.

GA0020 - WALL PANEL ERECTION - R-PANEL

Download the DWG file by clicking here.

- H1060 STITCH FASTENER
- H1040 STRUCTURAL FASTENER
- H1070 STRUCTURAL FASTENER AT HR MATERIAL



1. BLOCK GIRTS TO "LEVEL" POSITION BEFORE STARTING PANEL ERECTION. MAINTAIN WOOD BLOCKING (NOT BY METAL BUILDING SUPPLIER) UNTIL PANEL TO STRUCTURAL FASTENERS ARE INSTALLED.

2. ALIGN AND PLUMB FIRST WALL PANEL.

3. TO PREVENT "OIL-CANNING", ALL PANEL FASTENERS SHOULD START FROM BASE MEMBER AND THEN BE SECURED TO EACH STRUCTURAL GIRT TOWARD THE EAVE.

4. FOUNDATION MUST BE SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.

5. ERECTION CREW IS TO CLEAN ALL WALL PANELS BEFORE LEAVING JOB SITE.

6. ERECTOR IS TO ERECT PANELS SO THAT SIDELAPS ARE AWAY FROM THE MAIN TRAFFIC AREA'S LINE OF SIGHT.

7. STORE PANELS PROPERLY TO PREVENT MOISTURE.

8. AT FLUSH GIRT CONDITIONS, PRE-DRILL COLUMNS (& STUBS IF REQ'D) FOR EASE OF PANEL ATTACHMENT AT THESE AREAS.

9. INSTALL BASE PANEL CLOSURES (IF JOB REQUIRES THEM). SEE BASE TRIM DETAILS.

WALL PANEL ERECTION

ERECTOR NOTE: 1/2" SIDELAP MASTIC (H3010) IS REQUIRED IN SNOWDRIFT CONDITIONS. REFER TO THE ELEVATIONS FOR LOCATION REQUIREMENTS.

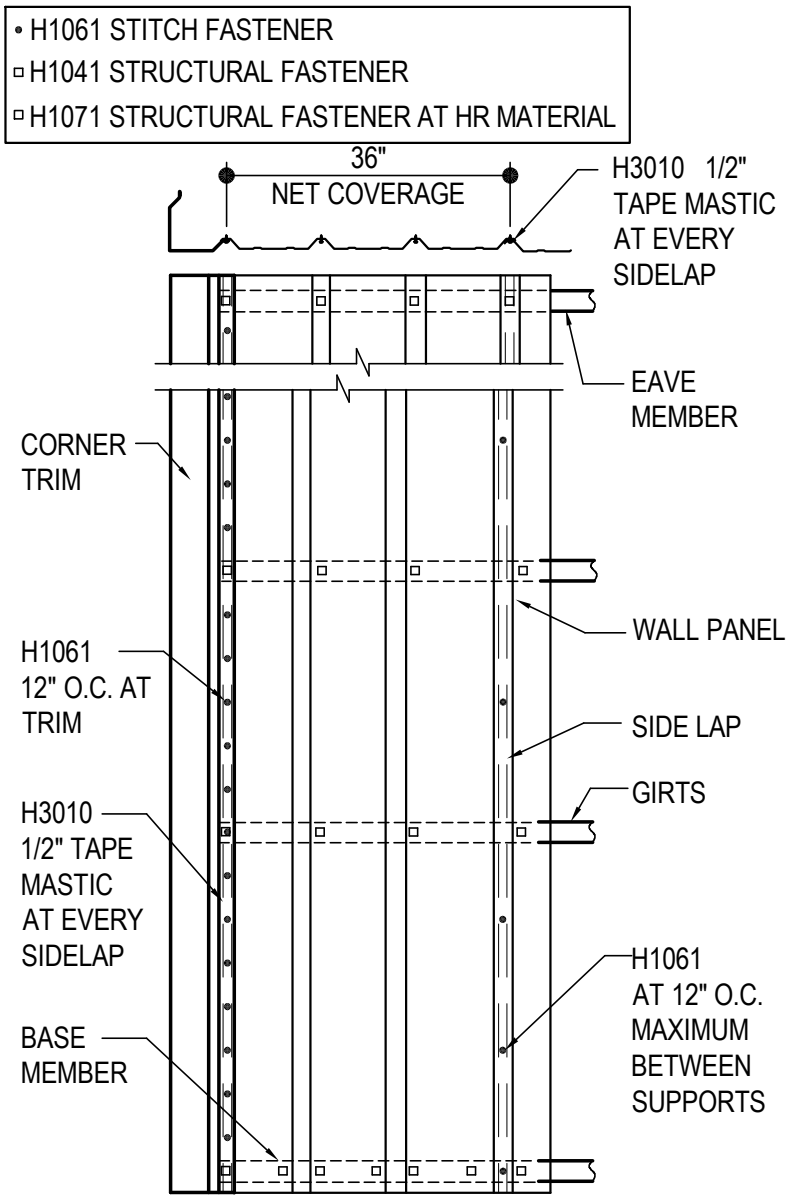
GA0020

Detailer Notes:

1) IN THE CASE WHERE ASTM E283 & E331 (AIR AND WATER INFILTRATION) SPECIFICATIONS HAS BEEN CALLED OUT IN THE CONTRACT, TYPICALLY IN THE SPECIAL USER NOTES, USE DETAIL GA0021 INSTEAD OF THIS DETAIL.

GA0021 - WALL PANEL ERECTION (ASTM E283 & E331) - R-PANEL

Download the DWG file by clicking here.



1. BLOCK GIRTS TO "LEVEL" POSITION BEFORE STARTING PANEL ERECTION. MAINTAIN WOOD BLOCKING (NOT BY METAL BUILDING SUPPLIER) UNTIL PANEL TO STRUCTURAL FASTENERS ARE INSTALLED.

2. ALIGN AND PLUMB FIRST WALL PANEL.

3. TO PREVENT "OIL-CANNING", ALL PANEL FASTENERS SHOULD START FROM BASE MEMBER AND THEN BE SECURED TO EACH STRUCTURAL GIRT TOWARD THE EAVE.

4. FOUNDATION MUST BE SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.

5. ERECTION CREW IS TO CLEAN ALL WALL PANELS BEFORE LEAVING JOB SITE.

6. ERECTOR IS TO ERECT PANELS SO THAT SIDELAPS ARE AWAY FROM THE MAIN TRAFFIC AREA'S LINE OF SIGHT.

7. STORE PANELS PROPERLY TO PREVENT MOISTURE.

8. AT FLUSH GIRT CONDITIONS, PRE-DRILL COLUMNS (& STUBS IF REQ'D) FOR EASE OF PANEL ATTACHMENT AT THESE AREAS.

9. INSTALL PANEL CLOSURES W/ 1/2" TAPE MASTIC TOP/BOTTOM OF CLOSURE AT ENDS OF PANELS

WALL PANEL ERECTION (ASTM E283 & E331)

ERECTOR NOTE: 1/2" SIDELAP MASTIC (H3010) IS REQUIRED IN EVERY PANEL SIDELAP AS WELL AS PAENEL CLOSURES WITH MASTIC TO MEET ASTM E283 & E331 SPECIFICATION.

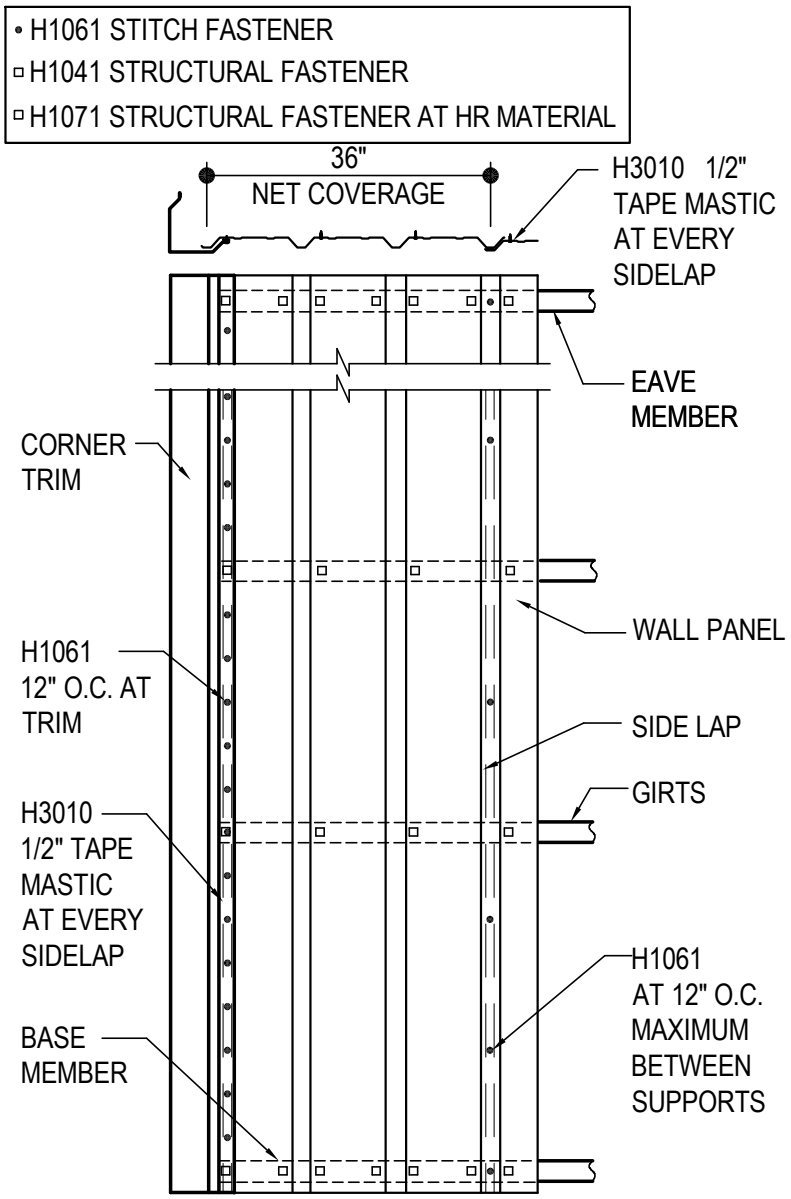
GA0021

Detailer Notes:

1) IN THE CASE WHERE ASTM E283 & E331 (AIR AND WATER INFILTRATION) SPECIFICATIONS HAS BEEN CALLED OUT IN THE CONTRACT, TYPICALLY IN THE SPECIAL USER NOTES, USE THIS DETAIL INSTEAD OF THE STANDARD WALL PANEL ERECTION DETAIL GA0020.

GA0022 - WALL PANEL ERECTION (MIAMI-DADE APPROVED) - R-PANEL

Download the DWG file by clicking here.



1. BLOCK GIRTS TO "LEVEL" POSITION BEFORE STARTING PANEL ERECTION. MAINTAIN WOOD BLOCKING (NOT BY METAL BUILDING SUPPLIER) UNTIL PANEL TO STRUCTURAL FASTENERS ARE INSTALLED.

2. ALIGN AND PLUMB FIRST WALL PANEL.

3. TO PREVENT "OIL-CANNING", ALL PANEL FASTENERS SHOULD START FROM BASE MEMBER AND THEN BE SECURED TO EACH STRUCTURAL GIRT TOWARD THE EAVE.

4. FOUNDATION MUST BE SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.

5. ERECTION CREW IS TO CLEAN ALL WALL PANELS BEFORE LEAVING JOB SITE.

6. ERECTOR IS TO ERECT PANELS SO THAT SIDELAPS ARE AWAY FROM THE MAIN TRAFFIC AREA'S LINE OF SIGHT.

7. STORE PANELS PROPERLY TO PREVENT MOISTURE.

8. AT FLUSH GIRT CONDITIONS, PRE-DRILL COLUMNS (& STUBS IF REQ'D) FOR EASE OF PANEL ATTACHMENT AT THESE AREAS.

9. INSTALL PANEL CLOSURES W/ 1/2" TAPE MASTIC TOP/BOTTOM OF CLOSURE AT ENDS OF PANELS

WALL PANEL ERECTION (MIAMI-DADE)

ERECTOR NOTE: 1/2" SIDELAP MASTIC (H3010) IS REQUIRED IN EVERY PANEL SIDELAP AS WELL AS PAENEL CLOSURES WITH MASTIC TO MEET MIAMI-DADE APPROVAL.

GA0022

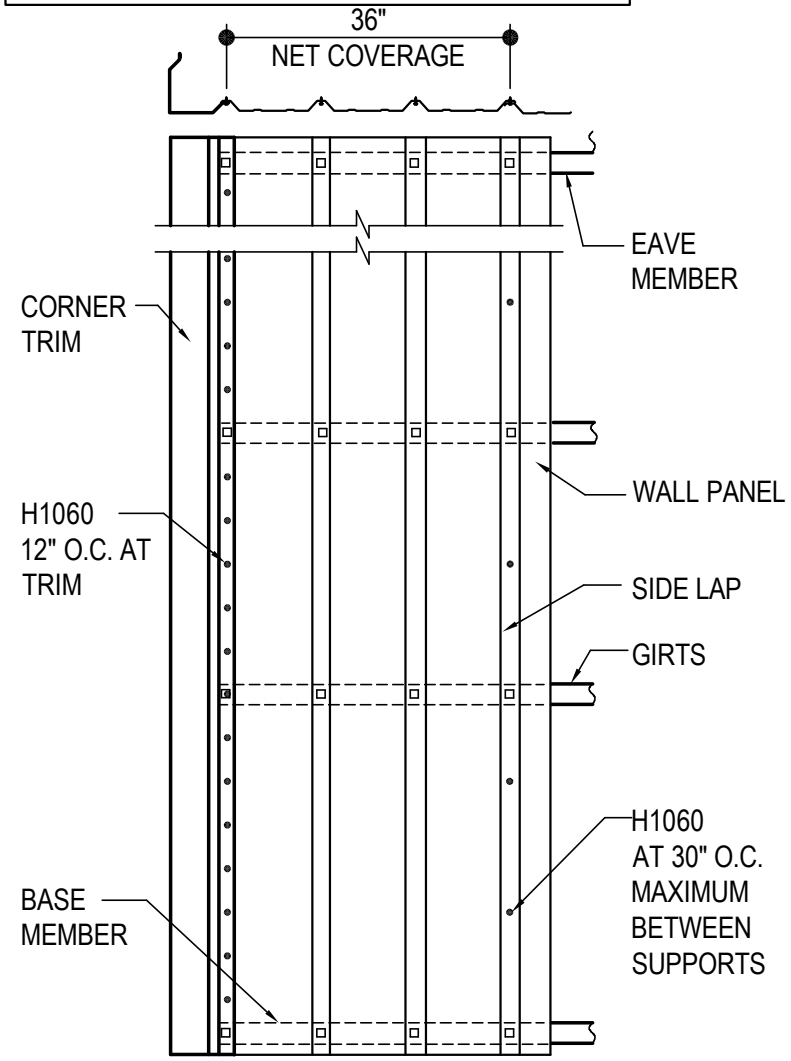
Detailer Notes:

1) IN THE CASE WHERE MIAMI-DADE APPROVAL HAS BEEN CALLED OUT IN THE CONTRACT, TYPICALLY IN THE SPECIAL USER NOTES, USE THIS DETAIL INSTEAD OF THE STANDARD WALL PANEL ERECTION DETAIL GA0020.
2) THIS DETAIL IS FOR **R-PANEL** WALL PANELS PRODUCED AT **NBG-SC ONLY!**

GA0030 - WALL PANEL ERECTION - REVERSE R-PANEL

Download the DWG file by clicking here.

- • H1060 STITCH FASTENER
- ▫ H1040 STRUCTURAL FASTENER
- ▫ H1070 STRUCTURAL FASTENER AT HR MATERIAL



1. BLOCK GIRTS TO "LEVEL" POSITION BEFORE STARTING PANEL ERECTION. MAINTAIN WOOD BLOCKING (NOT BY METAL BUILDING SUPPLIER) UNTIL PANEL TO STRUCTURAL FASTENERS ARE INSTALLED.

2. ALIGN AND PLUMB FIRST WALL PANEL.

3. TO PREVENT "OIL-CANNING", ALL PANEL FASTENERS SHOULD START FROM BASE MEMBER AND THEN BE SECURED TO EACH STRUCTURAL GIRT TOWARD THE EAVE.

4. FOUNDATION MUST BE SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.

5. ERECTION CREW IS TO CLEAN ALL WALL PANELS BEFORE LEAVING JOB SITE.

6. ERECTOR IS TO ERECT PANELS SO THAT SIDELAPS ARE AWAY FROM THE MAIN TRAFFIC AREA'S LINE OF SIGHT.

7. STORE PANELS PROPERLY TO PREVENT MOISTURE.

8. AT FLUSH GIRT CONDITIONS, PRE-DRILL COLUMNS (& STUBS IF REQ'D) FOR EASE OF PANEL ATTACHMENT AT THESE AREAS.

9. INSTALL BASE PANEL CLOSURES (IF JOB REQUIRES THEM). SEE BASE TRIM DETAILS.

WALL PANEL ERECTION

ERECTOR NOTE: 1/2" SIDELAP MASTIC (H3010) IS REQUIRED IN SNOWDRIFT CONDITIONS. REFER TO THE ELEVATIONS FOR LOCATION REQUIREMENTS.

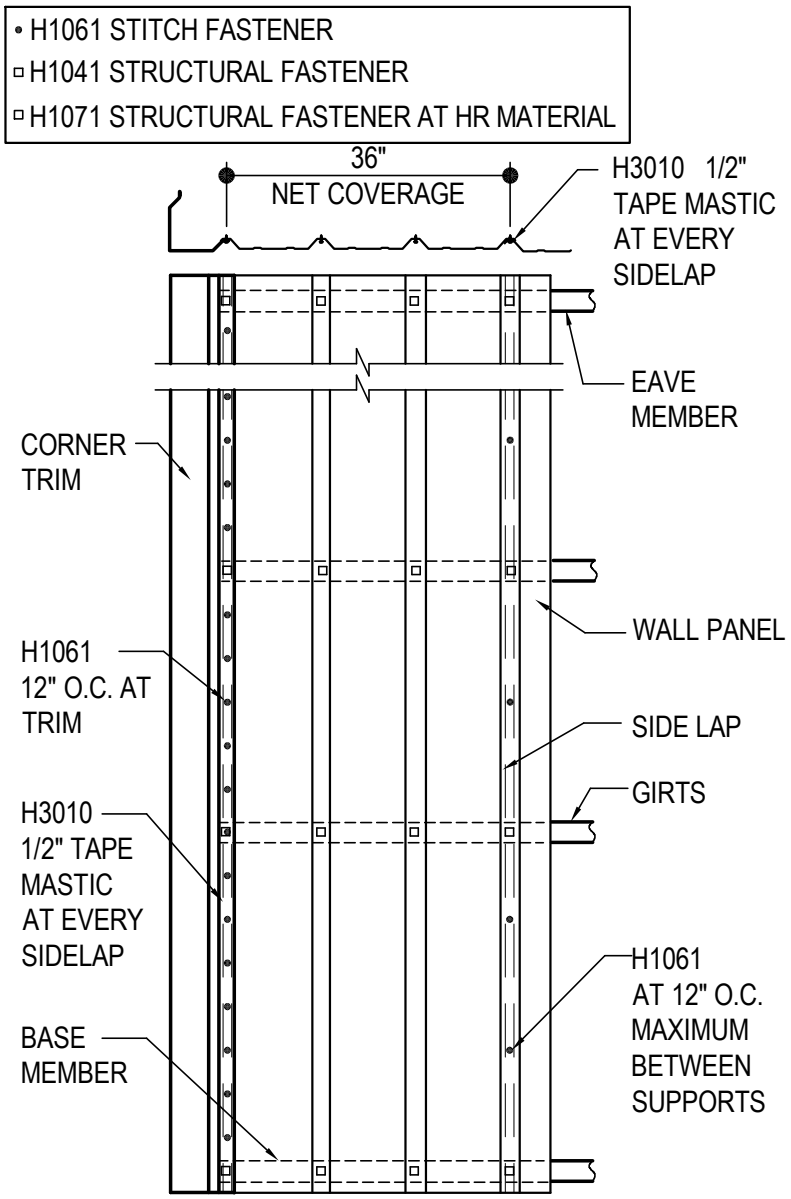
GA0030

Detailer Notes:

1) IN THE CASE WHERE ASTM E283 & E331 (AIR AND WATER INFILTRATION) SPECIFICATIONS HAS BEEN CALLED OUT IN THE CONTRACT, TYPICALLY IN THE SPECIAL USER NOTES, USE DETAIL GA0031 INSTEAD OF THIS DETAIL.

GA0031 - WALL PANEL ERECTION (ASTM E283 & E331) - REVERSE R-PANEL

Download the DWG file by clicking here.



1. BLOCK GIRTS TO "LEVEL" POSITION BEFORE STARTING PANEL ERECTION. MAINTAIN WOOD BLOCKING (NOT BY METAL BUILDING SUPPLIER) UNTIL PANEL TO STRUCTURAL FASTENERS ARE INSTALLED.

2. ALIGN AND PLUMB FIRST WALL PANEL.

3. TO PREVENT "OIL-CANNING", ALL PANEL FASTENERS SHOULD START FROM BASE MEMBER AND THEN BE SECURED TO EACH STRUCTURAL GIRT TOWARD THE EAVE.

4. FOUNDATION MUST BE SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.

5. ERECTION CREW IS TO CLEAN ALL WALL PANELS BEFORE LEAVING JOB SITE.

6. ERECTOR IS TO ERECT PANELS SO THAT SIDELAPS ARE AWAY FROM THE MAIN TRAFFIC AREA'S LINE OF SIGHT.

7. STORE PANELS PROPERLY TO PREVENT MOISTURE.

8. AT FLUSH GIRT CONDITIONS, PRE-DRILL COLUMNS (& STUBS IF REQ'D) FOR EASE OF PANEL ATTACHMENT AT THESE AREAS.

9. INSTALL PANEL CLOSURES W/ 1/2" TAPE MASTIC TOP/BOTTOM OF CLOSURE AT ENDS OF PANELS

WALL PANEL ERECTION (ASTM E283 & E331)

ERECTOR NOTE: 1/2" SIDELAP MASTIC (H3010) IS REQUIRED IN EVERY PANEL SIDELAP AS WELL AS PAENEL CLOSURES WITH MASTIC TO MEET ASTM E283 & E331 SPECIFICATION.

GA0031

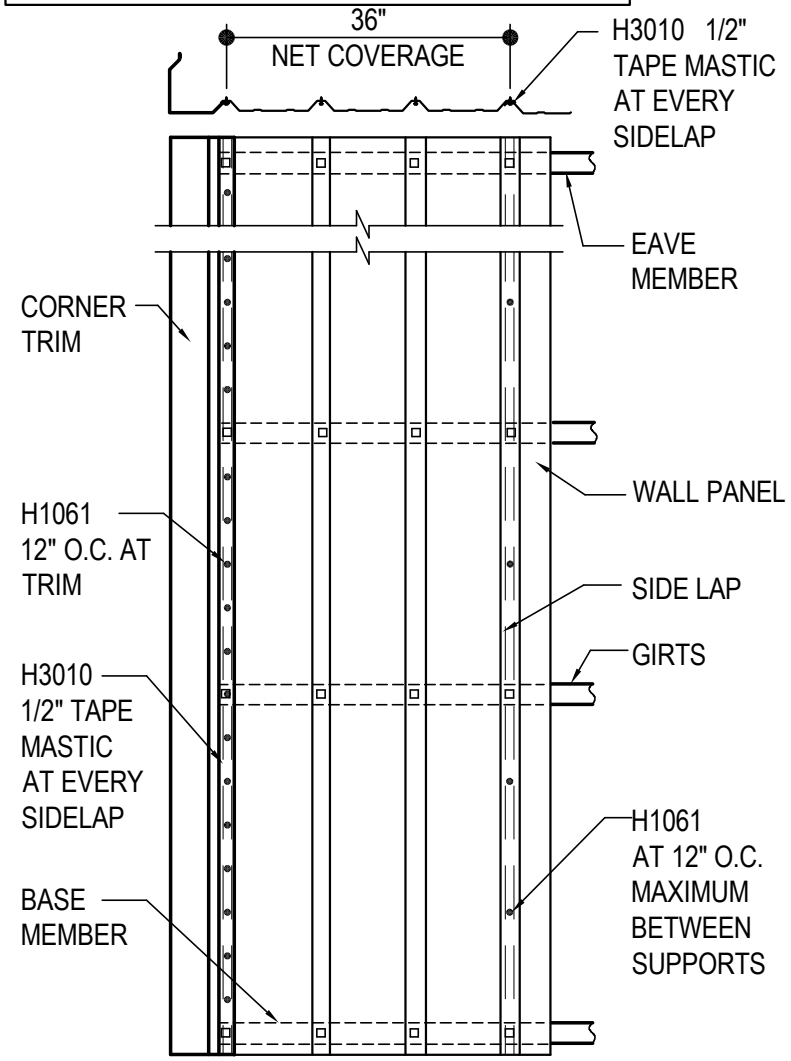
Detailer Notes:

1) IN THE CASE WHERE ASTM E283 & E331 (AIR AND WATER INFILTRATION) SPECIFICATIONS HAS BEEN CALLED OUT IN THE CONTRACT, TYPICALLY IN THE SPECIAL USER NOTES, USE THIS DETAIL INSTEAD OF THE STANDARD WALL PANEL ERECTION DETAIL GA0030.

GA0032 - WALL PANEL ERECTION (MIAMI-DADE APPROVED) - REVERSE R-PANEL

Download the DWG file by clicking here.

- H1061 STITCH FASTENER
- H1041 STRUCTURAL FASTENER
- H1071 STRUCTURAL FASTENER AT HR MATERIAL



1. BLOCK GIRTS TO "LEVEL" POSITION BEFORE STARTING PANEL ERECTION. MAINTAIN WOOD BLOCKING (NOT BY METAL BUILDING SUPPLIER) UNTIL PANEL TO STRUCTURAL FASTENERS ARE INSTALLED.

2. ALIGN AND PLUMB FIRST WALL PANEL.

3. TO PREVENT "OIL-CANNING", ALL PANEL FASTENERS SHOULD START FROM BASE MEMBER AND THEN BE SECURED TO EACH STRUCTURAL GIRT TOWARD THE EAVE.

4. FOUNDATION MUST BE SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.

5. ERECTION CREW IS TO CLEAN ALL WALL PANELS BEFORE LEAVING JOB SITE.

6. ERECTOR IS TO ERECT PANELS SO THAT SIDELAPS ARE AWAY FROM THE MAIN TRAFFIC AREA'S LINE OF SIGHT.

7. STORE PANELS PROPERLY TO PREVENT MOISTURE.

8. AT FLUSH GIRT CONDITIONS, PRE-DRILL COLUMNS (& STUBS IF REQ'D) FOR EASE OF PANEL ATTACHMENT AT THESE AREAS.

9. INSTALL PANEL CLOSURES W/ 1/2" TAPE MASTIC TOP/BOTTOM OF CLOSURE AT ENDS OF PANELS

WALL PANEL ERECTION (MIAMI-DADE)

ERECTOR NOTE: 1/2" SIDELAP MASTIC (H3010) IS REQUIRED IN EVERY PANEL SIDELAP AS WELL AS PAENEL CLOSURES WITH MASTIC TO MEET MIAMI-DADE APPROVAL.

GA0032

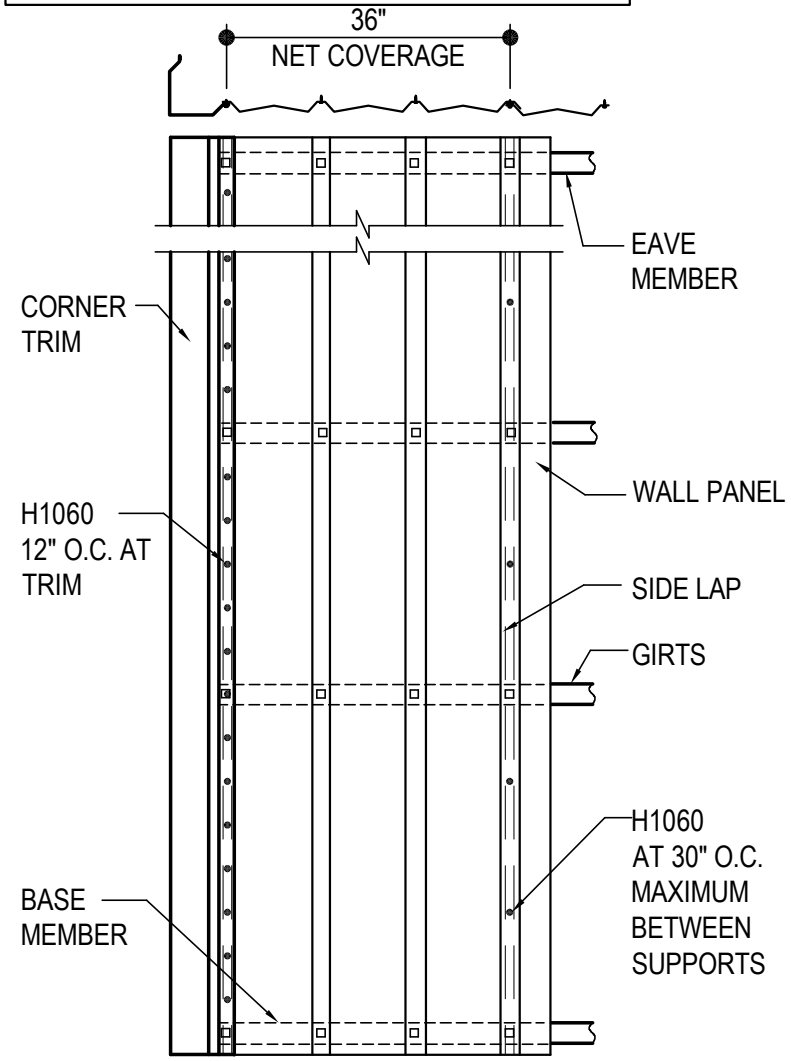
Detailer Notes:

1) IN THE CASE WHERE MIAMI-DADE APPROVAL HAS BEEN CALLED OUT IN THE CONTRACT, TYPICALLY IN THE SPECIAL USER NOTES, USE THIS DETAIL INSTEAD OF THE STANDARD WALL PANEL ERECTION DETAIL GA0030.
2) THIS DETAIL IS FOR **REVERSE R-PANEL** WALL PANEL PRODUCED AT **NBG-SC ONLY!**

GA0040 - WALL PANEL ERECTION - A-PANEL

Download the DWG file by clicking here.

- • H1060 STITCH FASTENER
- ▫ H1040 STRUCTURAL FASTENER
- ▫ H1070 STRUCTURAL FASTENER AT HR MATERIAL



1. BLOCK GIRTS TO "LEVEL" POSITION BEFORE STARTING PANEL ERECTION. MAINTAIN WOOD BLOCKING (NOT BY METAL BUILDING SUPPLIER) UNTIL PANEL TO STRUCTURAL FASTENERS ARE INSTALLED.

2. ALIGN AND PLUMB FIRST WALL PANEL.

3. TO PREVENT "OIL-CANNING", ALL PANEL FASTENERS SHOULD START FROM BASE MEMBER AND THEN BE SECURED TO EACH STRUCTURAL GIRT TOWARD THE EAVE.

4. FOUNDATION MUST BE SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.

5. ERECTION CREW IS TO CLEAN ALL WALL PANELS BEFORE LEAVING JOB SITE.

6. ERECTOR IS TO ERECT PANELS SO THAT SIDELAPS ARE AWAY FROM THE MAIN TRAFFIC AREA'S LINE OF SIGHT.

7. STORE PANELS PROPERLY TO PREVENT MOISTURE.

8. AT FLUSH GIRT CONDITIONS, PRE-DRILL COLUMNS (& STUBS IF REQ'D) FOR EASE OF PANEL ATTACHMENT AT THESE AREAS.

9. INSTALL BASE PANEL CLOSURES (IF JOB REQUIRES THEM). SEE BASE TRIM DETAILS.

WALL PANEL ERECTION

ERECTOR NOTE: 1/2" SIDELAP MASTIC (H3010) IS REQUIRED IN SNOWDRIFT CONDITIONS. REFER TO THE ELEVATIONS FOR LOCATION REQUIREMENTS.

GA0040

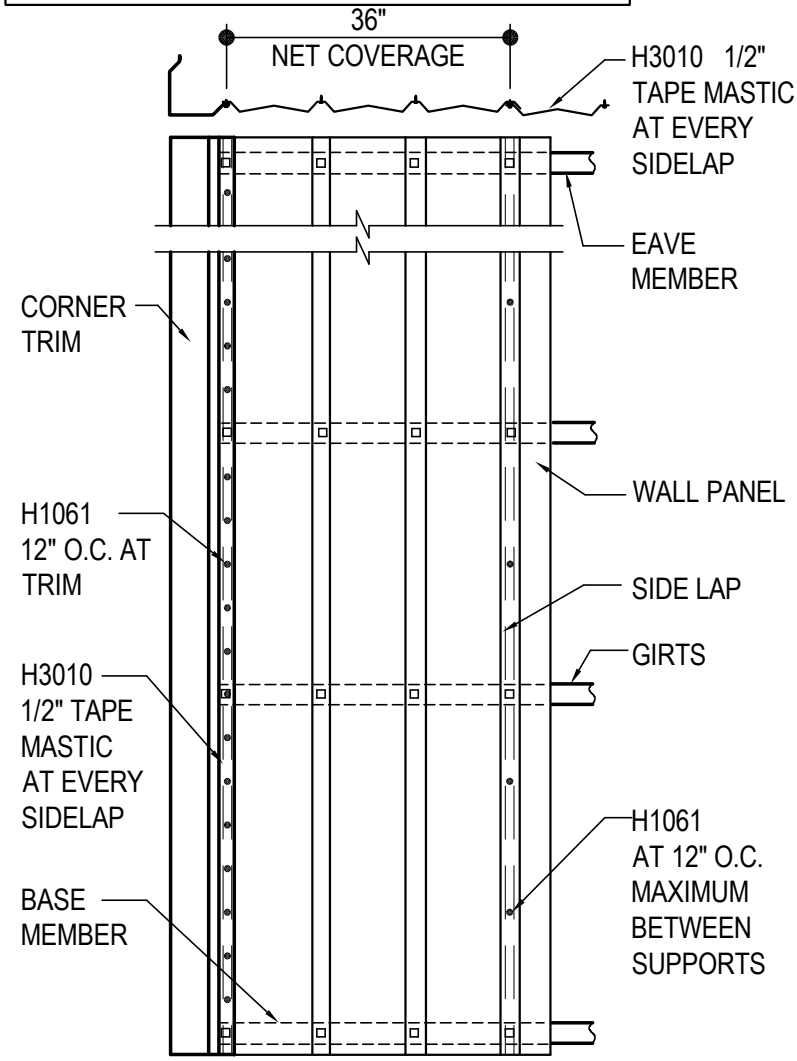
Detailer Notes:

1) IN THE CASE WHERE ASTM E283 & E331 (AIR AND WATER INFILTRATION) SPECIFICATIONS HAS BEEN CALLED OUT IN THE CONTRACT, TYPICALLY IN THE SPECIAL USER NOTES, USE DETAIL GA0041 INSTEAD OF THIS DETAIL.

GA0041 - WALL PANEL ERECTION (ASTM E283 & E331) - A-PANEL

Download the DWG file by clicking here.

- H1061 STITCH FASTENER
- H1041 STRUCTURAL FASTENER
- H1071 STRUCTURAL FASTENER AT HR MATERIAL



1. BLOCK GIRTS TO "LEVEL" POSITION BEFORE STARTING PANEL ERECTION. MAINTAIN WOOD BLOCKING (NOT BY METAL BUILDING SUPPLIER) UNTIL PANEL TO STRUCTURAL FASTENERS ARE INSTALLED.

2. ALIGN AND PLUMB FIRST WALL PANEL.

3. TO PREVENT "OIL-CANNING", ALL PANEL FASTENERS SHOULD START FROM BASE MEMBER AND THEN BE SECURED TO EACH STRUCTURAL GIRT TOWARD THE EAVE.

4. FOUNDATION MUST BE SQUARE, LEVEL, AND CORRECT TO THE OUT-TO-OUT STEEL LINE DIMENSIONS.

5. ERECTION CREW IS TO CLEAN ALL WALL PANELS BEFORE LEAVING JOB SITE.

6. ERECTOR IS TO ERECT PANELS SO THAT SIDELAPS ARE AWAY FROM THE MAIN TRAFFIC AREA'S LINE OF SIGHT.

7. STORE PANELS PROPERLY TO PREVENT MOISTURE.

8. AT FLUSH GIRT CONDITIONS, PRE-DRILL COLUMNS (& STUBS IF REQ'D) FOR EASE OF PANEL ATTACHMENT AT THESE AREAS.

9. INSTALL PANEL CLOSURES W/ 1/2" TAPE MASTIC TOP/BOTTOM OF CLOSURE AT ENDS OF PANELS

WALL PANEL ERECTION (ASTM E283 & E331)

ERECTOR NOTE: 1/2" SIDELAP MASTIC (H3010) IS REQUIRED IN EVERY PANEL SIDELAP AS WELL AS PAENEL CLOSURES WITH MASTIC TO MEET ASTM E283 & E331 SPECIFICATION.

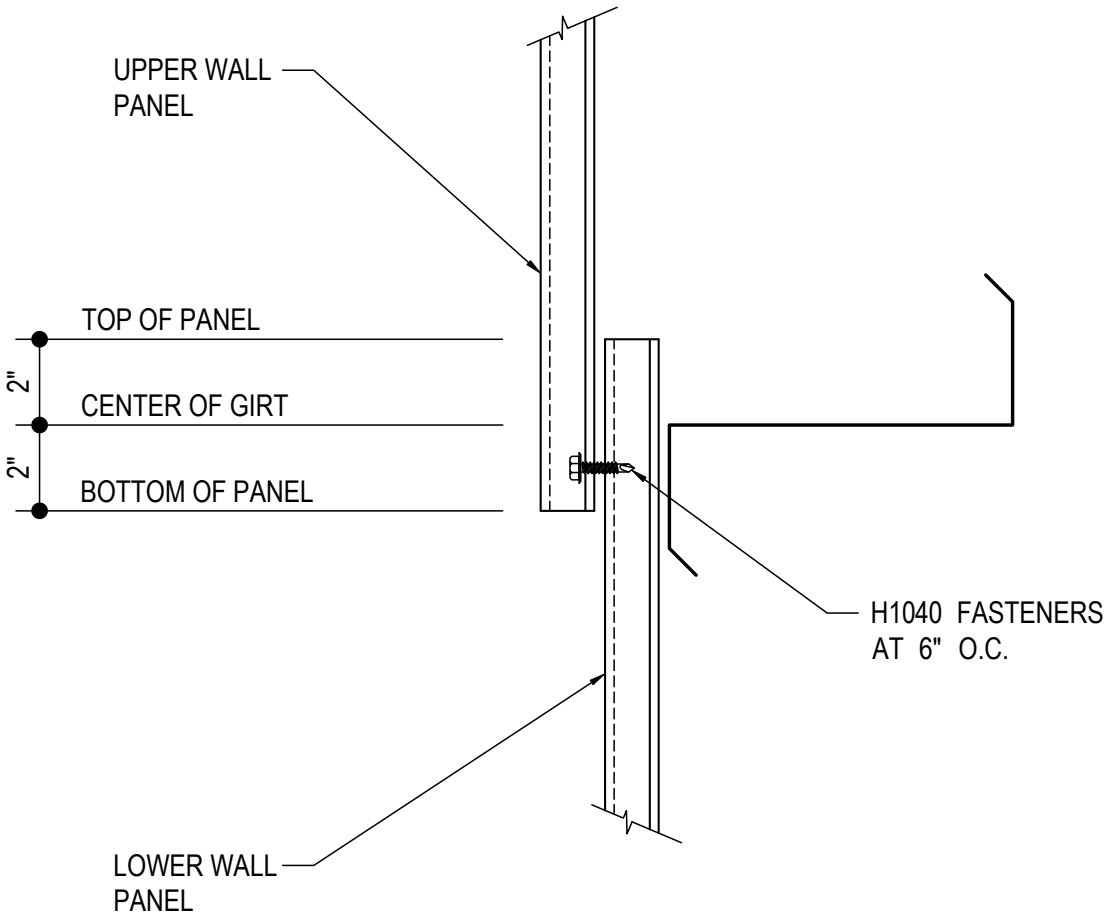
GA0041

Detailer Notes:

1) IN THE CASE WHERE ASTM E283 & E331 (AIR AND WATER INFILTRATION) SPECIFICATIONS HAS BEEN CALLED OUT IN THE CONTRACT, TYPICALLY IN THE SPECIAL USER NOTES, USE THIS DETAIL INSTEAD OF THE STANDARD WALL PANEL ERECTION DETAIL GA0040.
2) THIS DETAIL IS FOR ACCENT WALL PANEL ONLY.

GA0050 - WALL PANEL ENDLAP

Download the DWG file by clicking here.



WALL PANEL ENDLAP

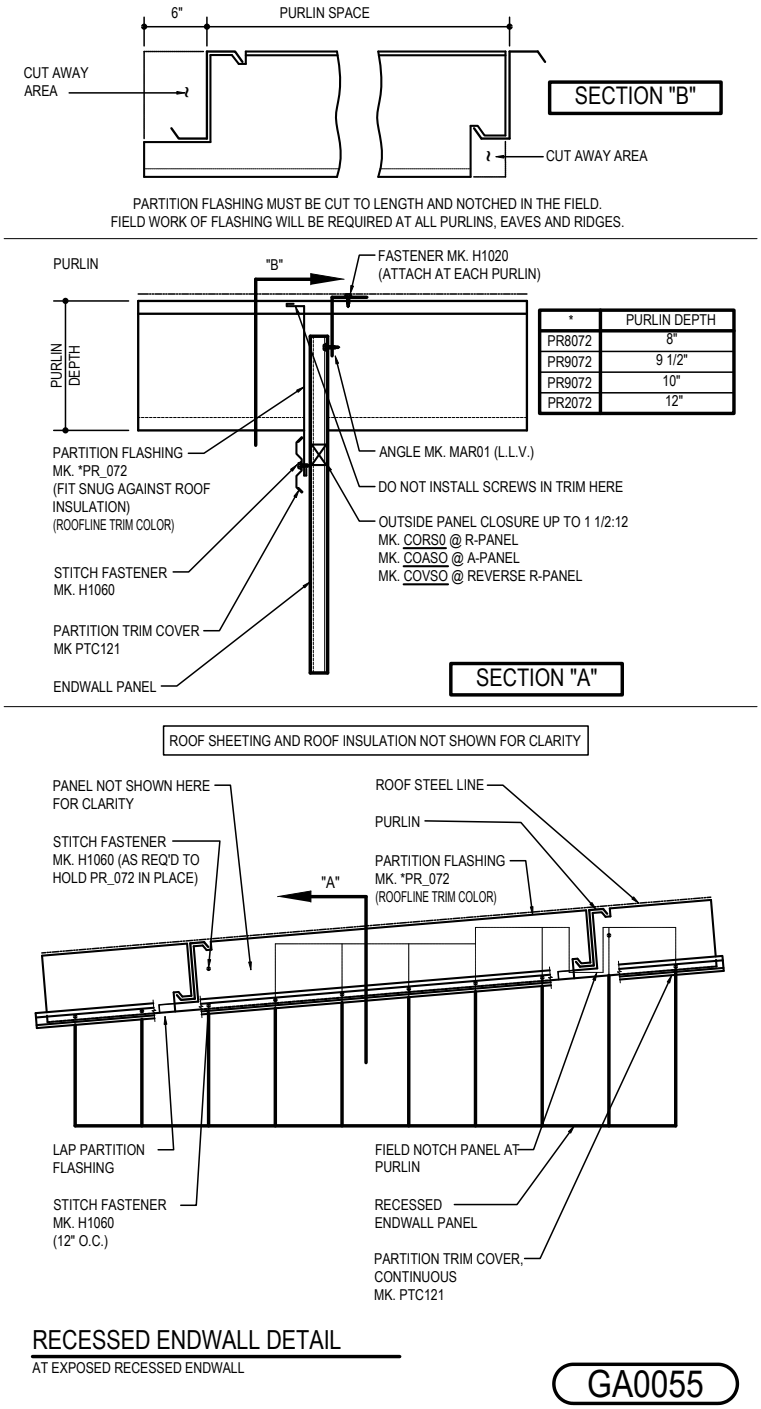
GA0050

Detailer Notes:

1) N/A

GA0055 - RECESSED ENDWALL DETAIL

Download the DWG file by clicking here.



RECESSED ENDWALL DETAIL

AT EXPOSED RECESSED ENDWALL

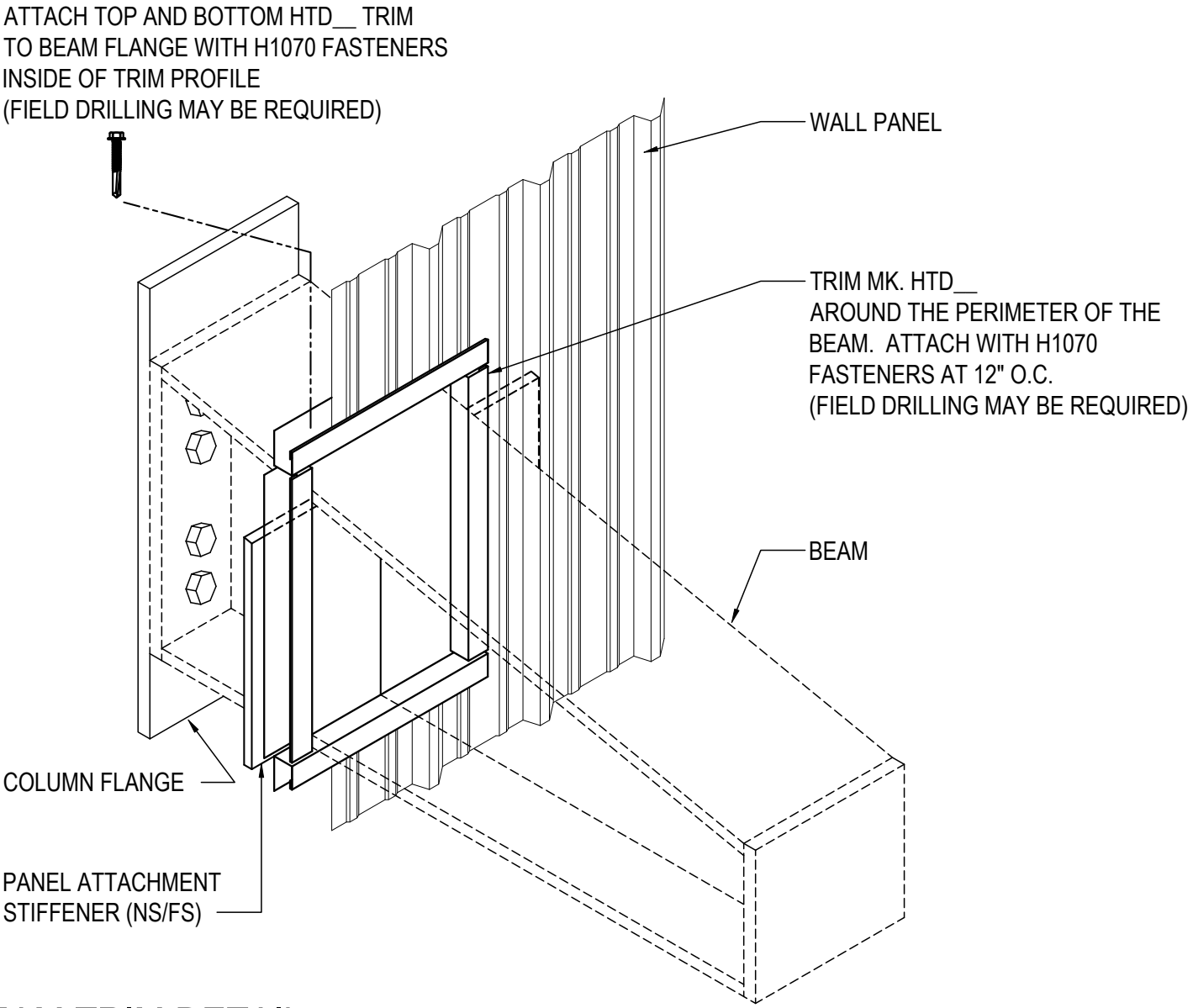
GA0055

Detailer Notes:

1) CLOSURES ARE REQUIRED AT WALL PANEL RECESSED RAKE CONDITION.
2) ROOF SLOPE >1 1/2":12" TURN ON "CLOSURES RAKE BEVELED" AND TURN OFF "CLOSURES RAKE STRAIGHT" LAYER.

GA0060 - BYPASS BEAM TRIM DETAIL

Download the DWG file by clicking here.



BEAM TRIM DETAIL

BYPASS BEAM WITH PANEL ATTACHMENT STIFFENERS BOLTED TO COLUMN

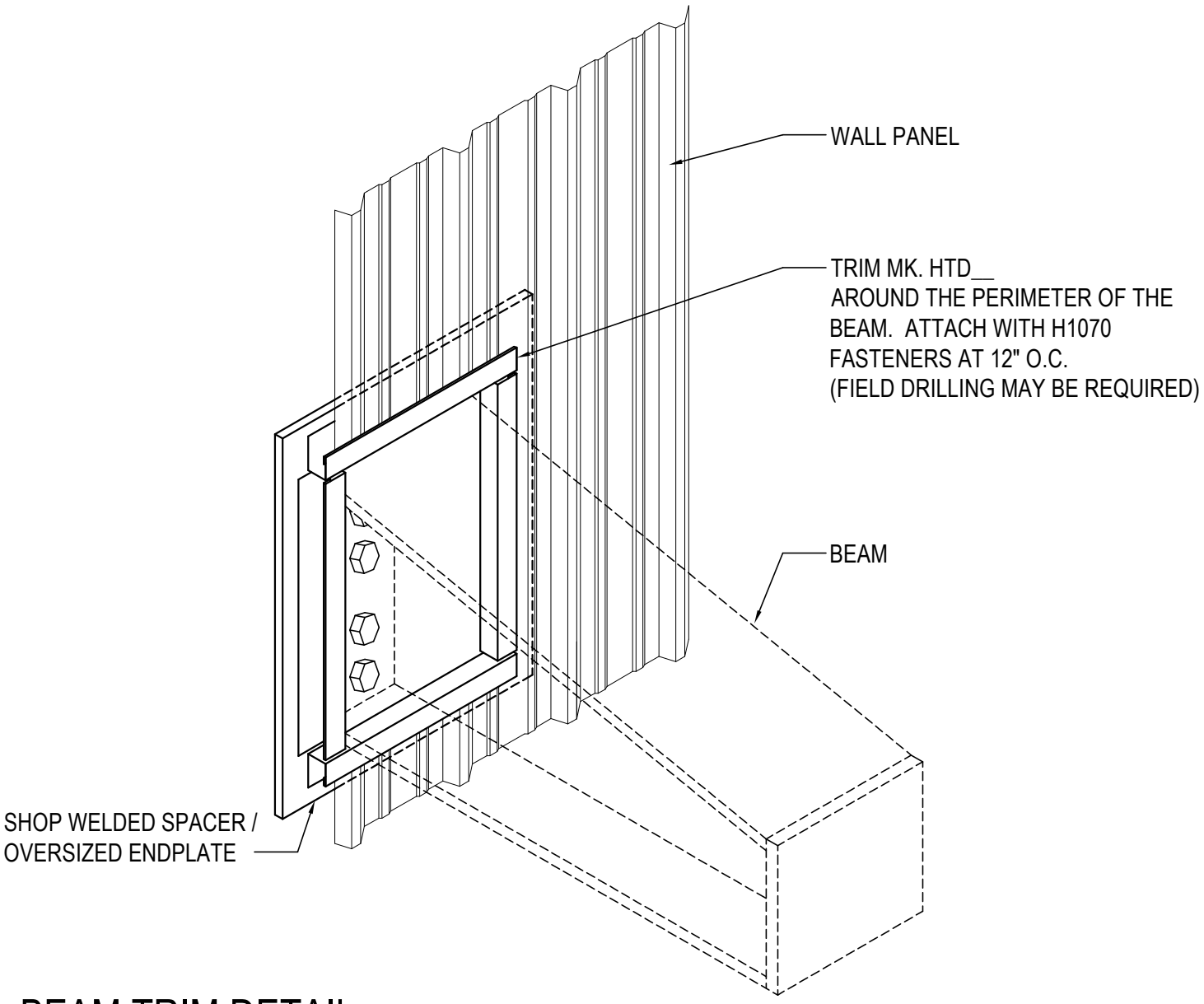
GA0060

Detailer Notes:

1) N/A

GA0061 - BYPASS WITH BRACKET / INSET / FLUSH TRIM DETAIL

Download the DWG file by clicking here.



BEAM TRIM DETAIL

BRACKET OR SPACER FOR BYPASS, INSET OR FLUSH COLUMN CONNECTION

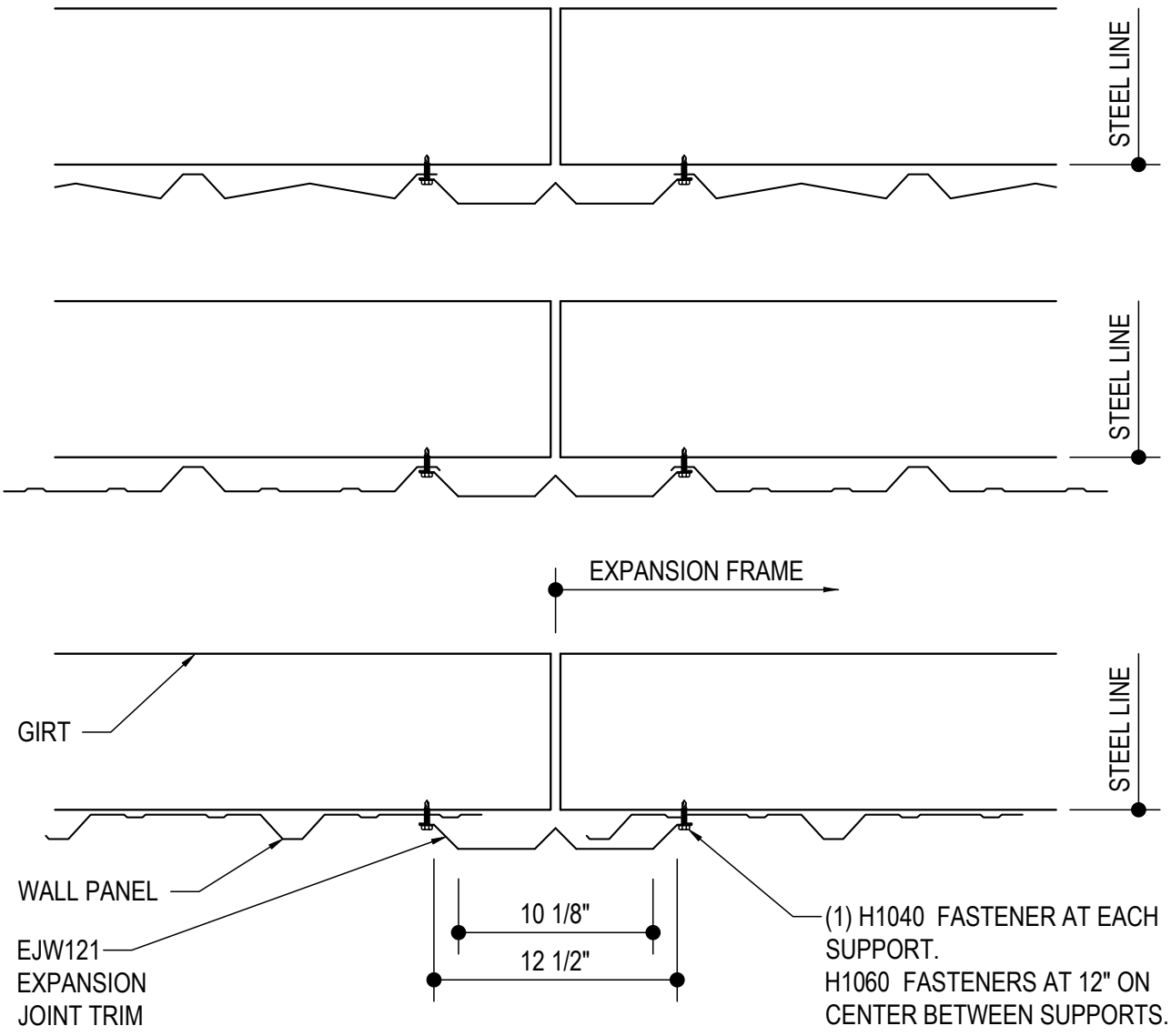
GA0061

Detailer Notes:

1) N/A

GA0065 - TRANSVERSE EXPANSION JOINT - NEW CONSTRUCTION

Download the DWG file by clicking here.



TRANSVERSE EXPANSION JOINT

ALL PANEL PROFILES SHOWN. TRIM MARK NUMERS
AND DIMENSIONS ARE SAME FOR ALL PANEL PROFILES.

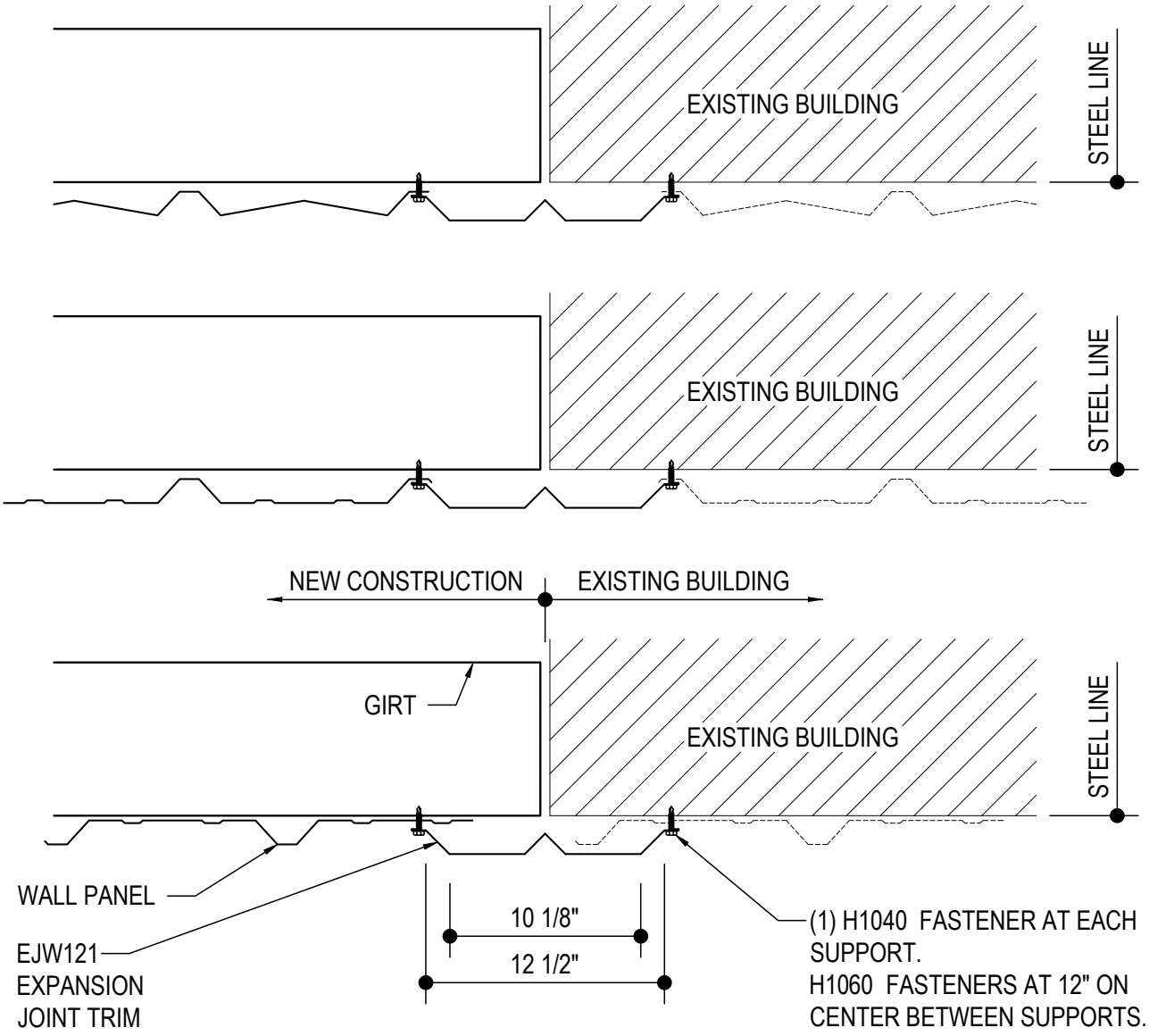
GA0065

Detailer Notes:

1) N/A

GA0066 - TRANSVERSE EXPANSION JOINT - EXISTING BUILDING

Download the DWG file by clicking here.



TRANSVERSE EXPANSION JOINT

ALL PANEL PROFILES SHOWN. TRIM MARK NUMERS
AND DIMENSIONS ARE SAME FOR ALL PANEL PROFILES.

GA0066

Detailer Notes:

1) N/A

GA0080 - DOWNSPOUT SCHEDULE

Download the DWG file by clicking here.

☒ INDICATES 4" x 5" DOWNSPOUT. SEE BELOW FOR REQUIREMENTS.

CORRUGATED DOWNSPOUT = MK. DSC120
PRESS BROKE DOWNSPOUT = MK. DSP121

BUILDING I.D.	MAXIMUM SPACING	QTY OF 10' PIECES PER LOCATION	LOCATIONS	GRID LINE

DOWNSPOUT SCHEDULE

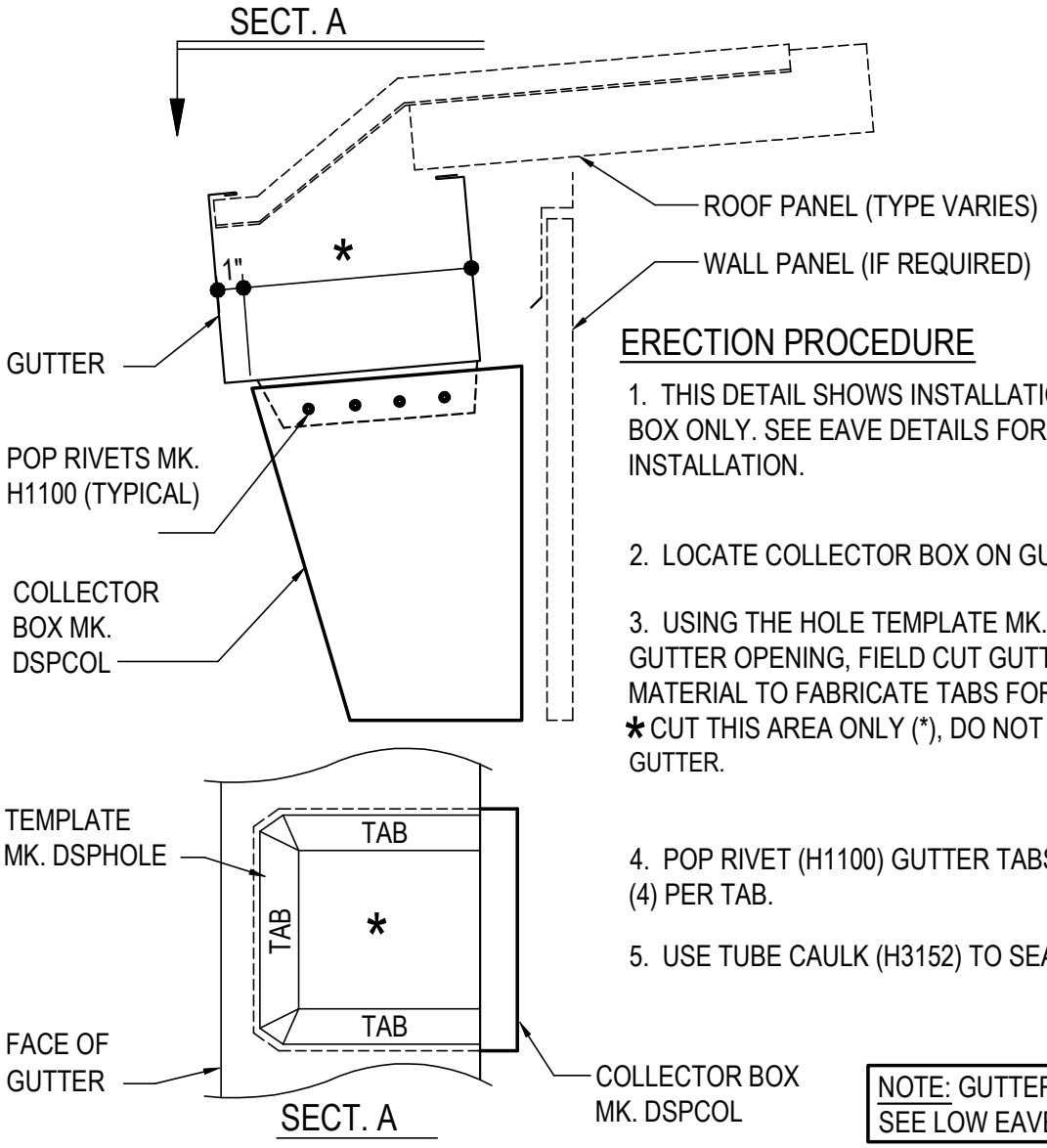
GA0080

Detailer Notes:

1) USE WITH ALL PROJECTS THAT HAVE DOWNSPOUTS THAT ARE DETAILED OUTSIDE OF TEKLA.

GA0100 - COLLECTOR BOX INSTALLATION

Download the DWG file by clicking here.



ERECTION PROCEDURE

1. THIS DETAIL SHOWS INSTALLATION OF COLLECTOR BOX ONLY. SEE EAVE DETAILS FOR PANEL AND TRIM INSTALLATION.

2. LOCATE COLLECTOR BOX ON GUTTER.

3. USING THE HOLE TEMPLATE MK. DSPHOLE TO SIZE THE GUTTER OPENING, FIELD CUT GUTTER BOTTOM, LEAVING MATERIAL TO FABRICATE TABS FOR ATTACHMENT OF BOX.
* CUT THIS AREA ONLY (*), DO NOT CUT THE BACK OF THE GUTTER.

4. POP RIVET (H1100) GUTTER TABS TO COLLECTOR BOX, (4) PER TAB.

5. USE TUBE CAULK (H3152) TO SEAL THE AREA.

NOTE: GUTTER PROFILE MAY VARY. SEE LOW EAVE GUTTER DETAIL.

COLLECTOR BOX INSTALLATION

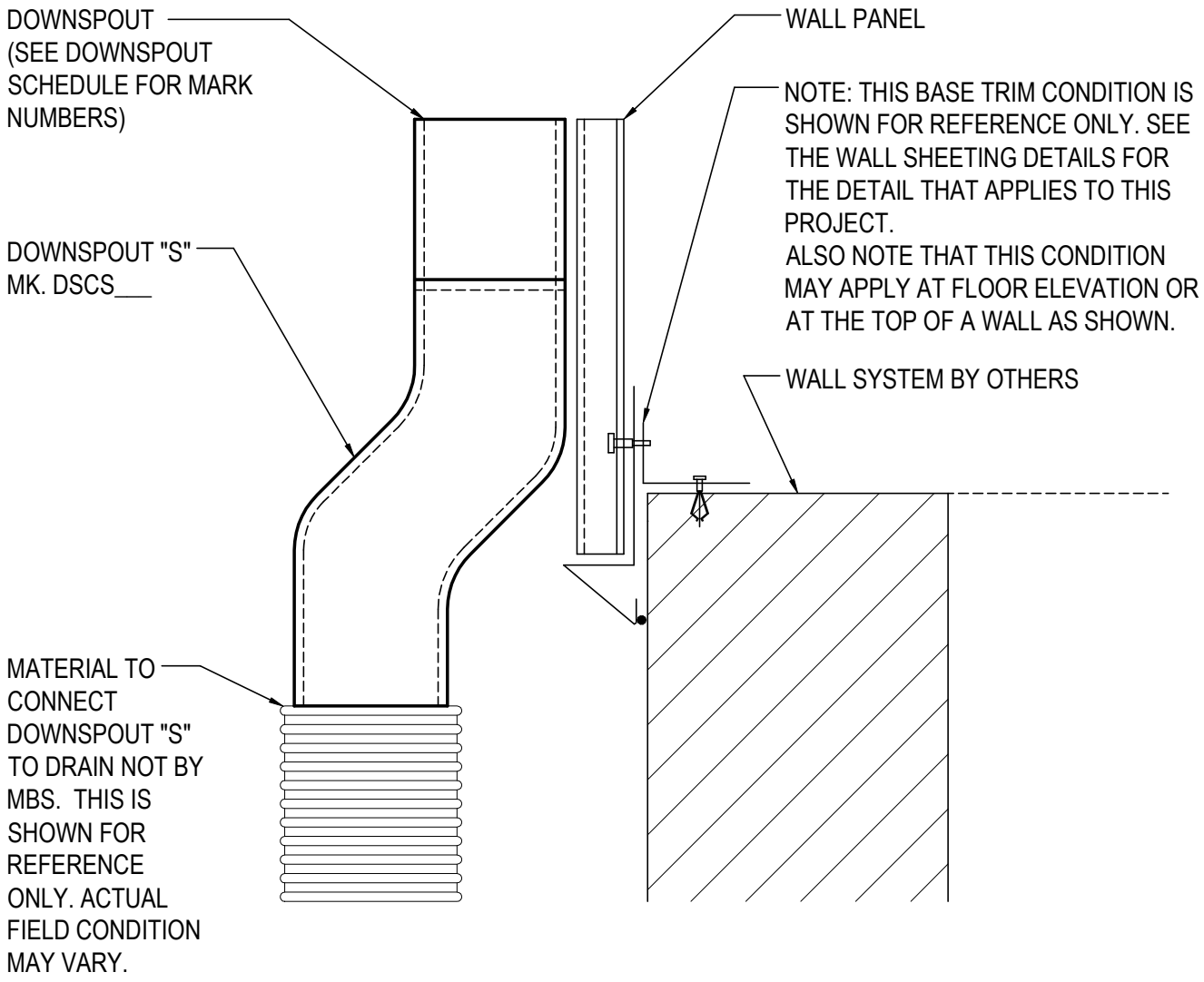
GA0100

Detailer Notes:

1) N/A

GA0105 - CORRUGATED DOWNSPOUT ALTERNATE "S" AT BASE

Download the DWG file by clicking here.



CORRUGATED DOWNSPOUT ALTERNATE "S" AT BASE

GA0105

Detailer Notes:

1) N/A

GA0130 - CORRUGATED DOWNSPOUT

Download the DWG file by clicking here.

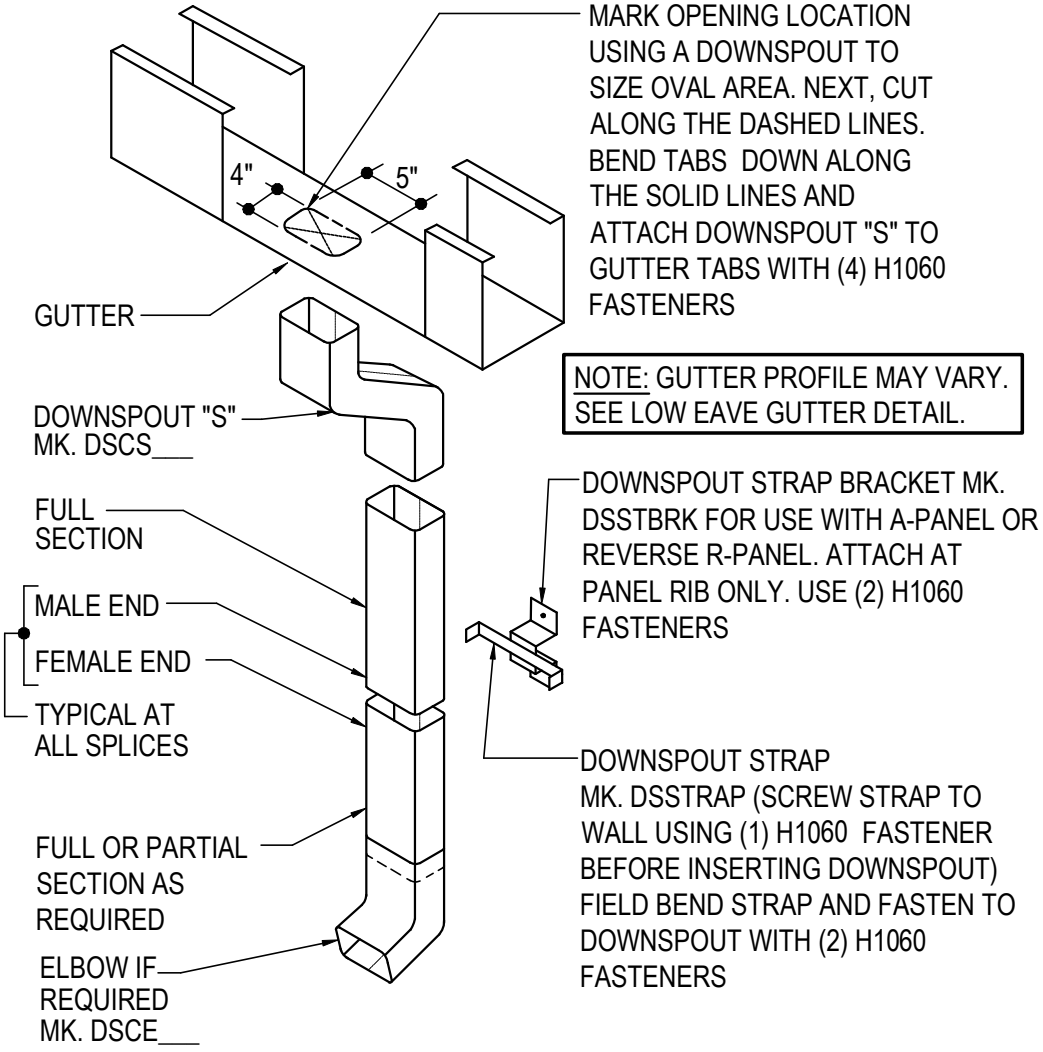
USE (4) POP RIVETS MK. H1100 AT ALL ELBOW, "S", AND DOWNSPOUT CONNECTIONS U.N.O.

ERECTOR NOTES:

1. MITERING OF THE "S" WILL BE REQUIRED AT SLOPES OVER 4:12 FOR PROPER LINE UP WITH THE DOWNSPOUT.

2. IF PROJECT CONTRACT SPECIFIES "S" SHAPES AT THE BOTTOM OF THE DOWNSPOUT IN LIEU OF ELBOWS, SEE DETAIL GA0105.

3. LOCATE ONE DOWNSPOUT STRAP AT EVERY "S", ELBOW AND DOWNSPOUT SPLICE.



DOWNSPOUT STRAP (MK. DSSTRAP) AND STRAP BRACKETS (MK. DSSTBRK) ARE ALSO PROVIDED FOR MASONRY WALL APPLICATIONS AS WELL AS FOR ATTACHMENT TO COLUMNS. FASTENERS TO MASONRY ARE NOT PROVIDED. H1060 FASTENERS ARE PROVIDED FOR COLUMN ATTACHMENT APPLICATIONS, PRE-DRILLING WILL BE REQUIRED.

CORRUGATED DOWNSPOUT

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

GA0130

Detailer Notes:

1) N/A

GA0132 - CORRUGATED DOWNSPOUT - NO "S"

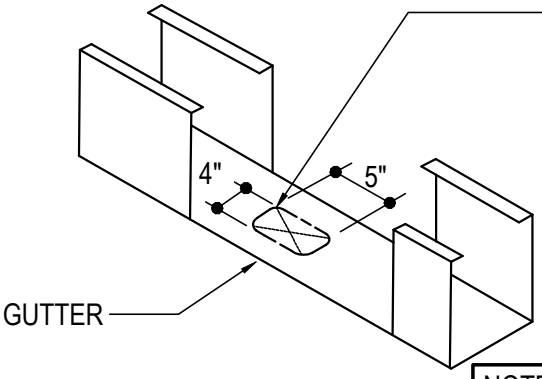
Download the DWG file by clicking here.

USE (4) POP RIVETS MK. H1100 AT ALL ELBOW AND DOWNSPOUT CONNECTIONS U.N.O.

ERECTOR NOTES:

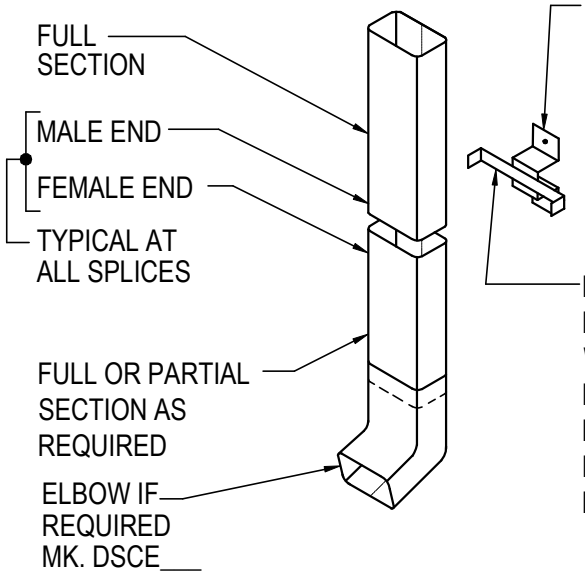
1. IF PROJECT CONTRACT SPECIFIES "S" SHAPES AT THE BOTTOM OF THE DOWNSPOUT IN LIEU OF ELBOWS, SEE DETAIL GA0105.

2. LOCATE ONE DOWNSPOUT STRAP AT EVERY ELBOW AND DOWNSPOUT SPLICE.



MARK OPENING LOCATION USING A DOWNSPOUT TO SIZE OVAL AREA. NEXT, CUT ALONG THE DASHED LINES. BEND TABS DOWN ALONG THE SOLID LINES AND ATTACH DOWNSPOUT TO GUTTER TABS WITH (4) H1060 FASTENERS

NOTE: GUTTER PROFILE MAY VARY. SEE LOW EAVE GUTTER DETAIL.



DOWNSPOUT STRAP BRACKET MK. DSSTBRK FOR USE WITH A-PANEL OR REVERSE R-PANEL. ATTACH AT PANEL RIB ONLY. USE (2) H1060 FASTENERS

DOWNSPOUT STRAP MK. DSSTRAP (SCREW STRAP TO WALL USING (1) H1060 FASTENER BEFORE INSERTING DOWNSPOUT) FIELD BEND STRAP AND FASTEN TO DOWNSPOUT WITH (2) H1060 FASTENERS

DOWNSPOUT STRAP (MK. DSSTRAP) AND STRAP BRACKETS (MK. DSSTBRK) ARE ALSO PROVIDED FOR MASONRY WALL APPLICATIONS AS WELL AS FOR ATTACHMENT TO COLUMNS. FASTENERS TO MASONRY ARE NOT PROVIDED. H1060 FASTENERS ARE PROVIDED FOR COLUMN ATTACHMENT APPLICATIONS, PRE-DRILLING WILL BE REQUIRED.

CORRUGATED DOWNSPOUT

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

GA0132

Detailer Notes:

1) N/A

GA0150 - CORRUGATED DOWNSPOUT - COLLECTOR BOX

Download the DWG file by clicking here.

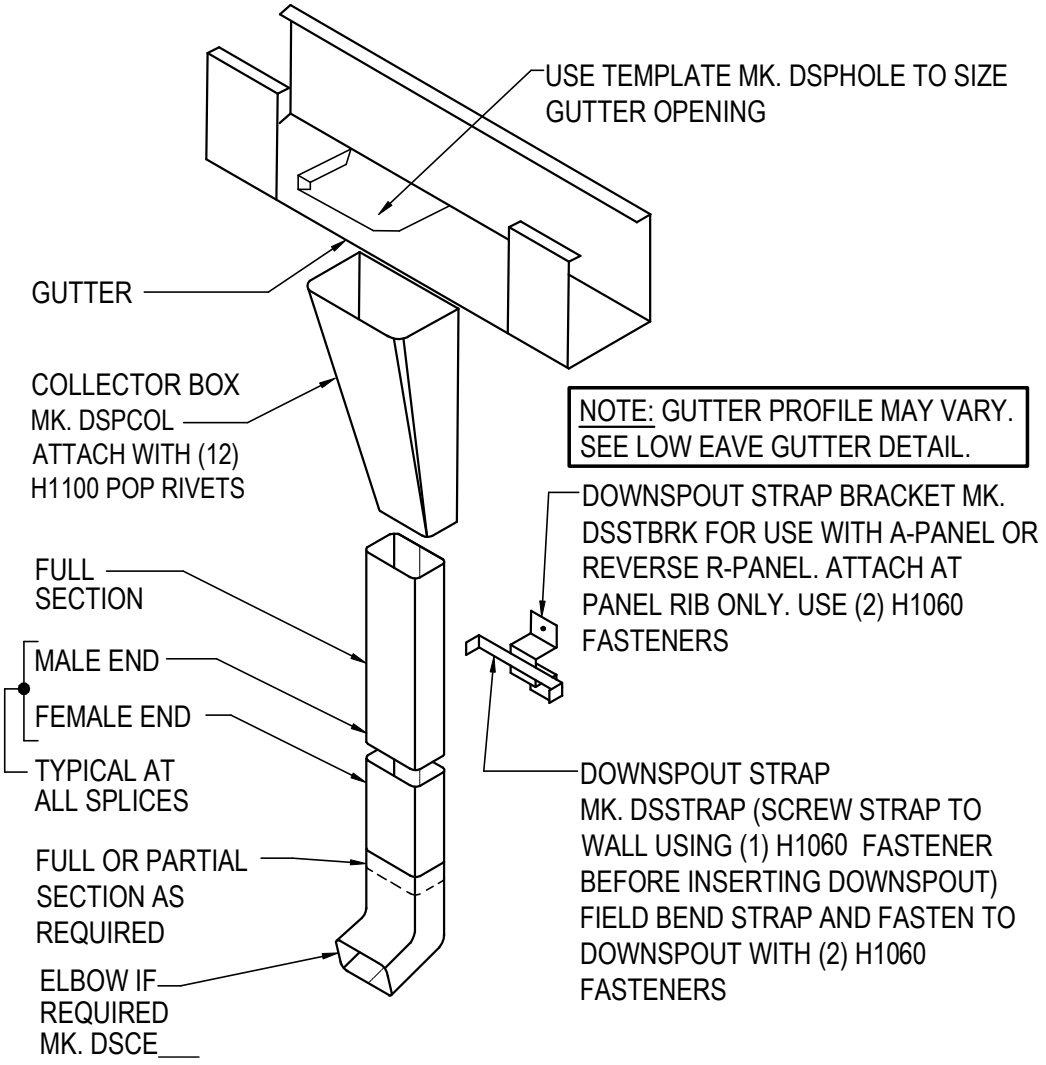
USE (4) POP RIVETS MK. H1100 AT ALL ELBOW AND DOWNSPOUT CONNECTIONS U.N.O.

ERECTOR NOTES:

1. IT IS INTENDED FOR THE LEG OF THE COLLECTOR BOX, ADJACENT TO THE WALL, TO BE INSTALLED IN A PLUMB POSITION. FIELD MITERING OF THE TOP OF THE COLLECTOR BOX MAY BE REQUIRED TO ACHIEVE THIS.

2. IF PROJECT CONTRACT SPECIFIES "S" SHAPES AT THE BOTTOM OF THE DOWNSPOUT IN LIEU OF ELBOWS, SEE DETAIL GA0105.

3. LOCATE ONE DOWNSPOUT STRAP AT EVERY ELBOW AND DOWNSPOUT SPLICE.



DOWNSPOUT STRAP (MK. DSSTRAP) AND STRAP BRACKETS (MK. DSSTBRK) ARE ALSO PROVIDED FOR MASONRY WALL APPLICATIONS AS WELL AS FOR ATTACHMENT TO COLUMNS. FASTENERS TO MASONRY ARE NOT PROVIDED. H1060 FASTENERS ARE PROVIDED FOR COLUMN ATTACHMENT APPLICATIONS, PRE-DRILLING WILL BE REQUIRED.

CORRUGATED DOWNSPOUT - COLLECTOR BOX

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

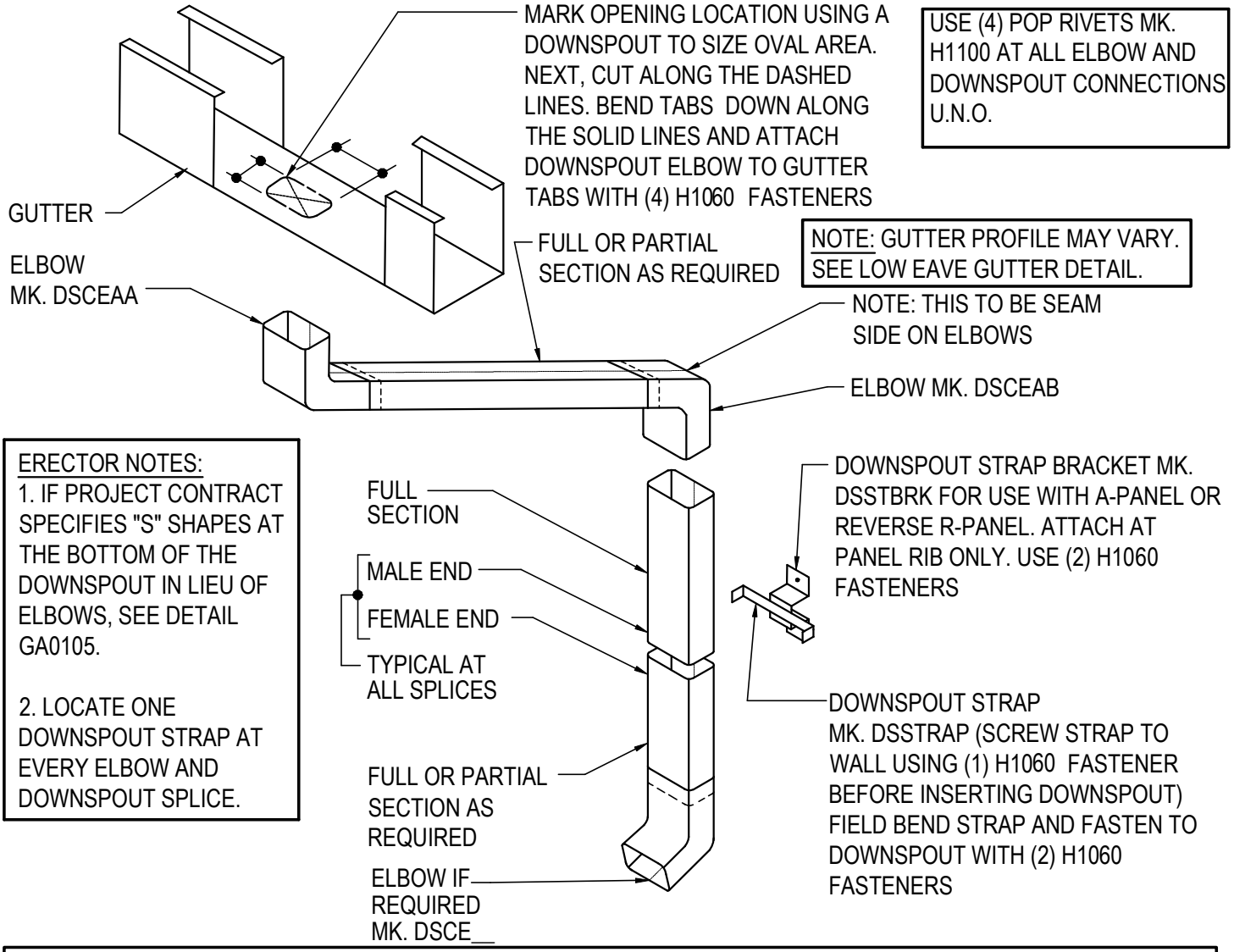
GA0150

Detailer Notes:

1) N/A

GA0170 - CORRUGATED DOWNSPOUT AT OVERHANG

Download the DWG file by clicking here.



DOWNSPOUT STRAP (MK. DSSTRAP) AND STRAP BRACKETS (MK. DSSTBRK) ARE ALSO PROVIDED FOR MASONRY WALL APPLICATIONS AS WELL AS FOR ATTACHMENT TO COLUMNS. FASTENERS TO MASONRY ARE NOT PROVIDED. H1060 FASTENERS ARE PROVIDED FOR COLUMN ATTACHMENT APPLICATIONS, PRE-DRILLING WILL BE REQUIRED.

CORRUGATED DOWNSPOUT AT OVERHANG

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

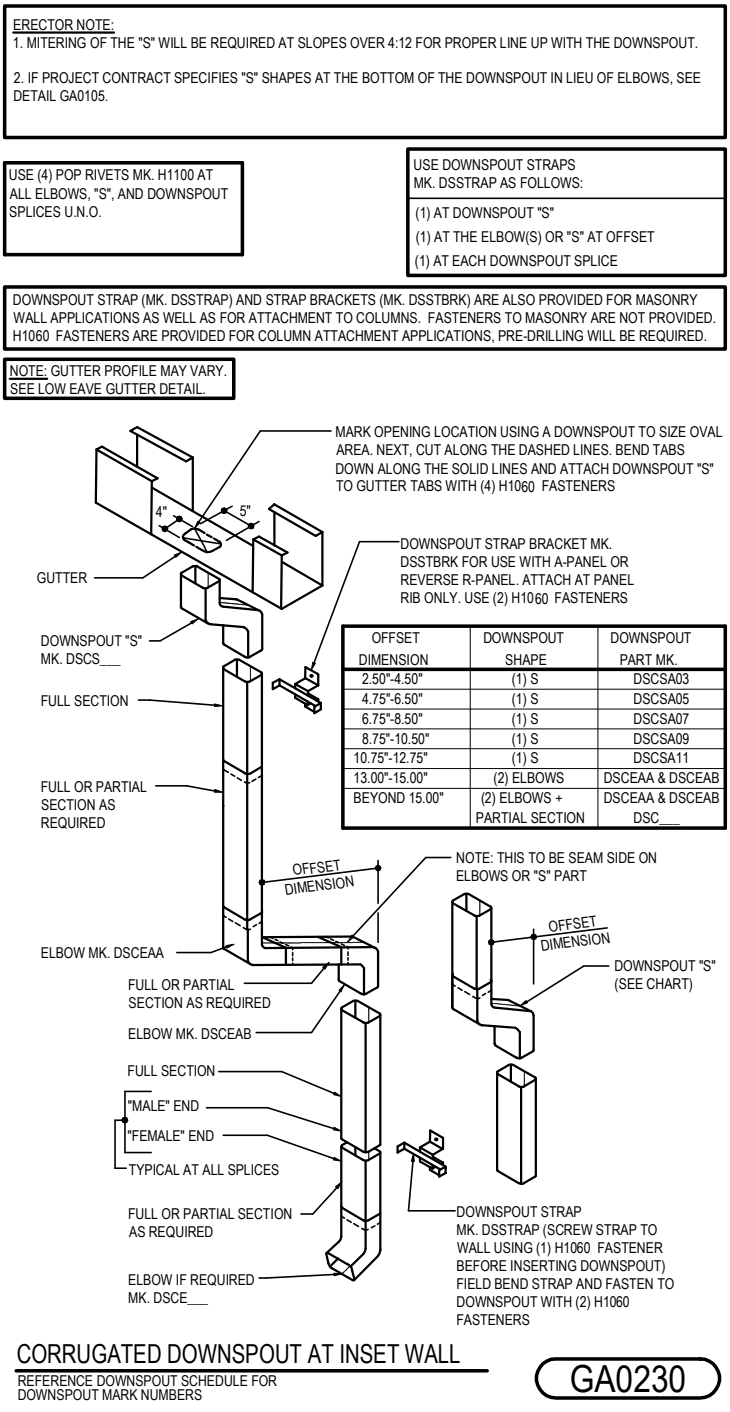
GA0170

Detailer Notes:

1) N/A

GA0230 - CORRUGATED DOWNSPOUT AT INSET WALL

Download the DWG file by clicking here.



OFFSET DIMENSION	DOWNSPOUT SHAPE	DOWNSPOUT PART MK.
2.50"-4.50"	(1) S	DSCSA03
4.75"-6.50"	(1) S	DSCSA05
6.75"-8.50"	(1) S	DSCSA07
8.75"-10.50"	(1) S	DSCSA09
10.75"-12.75"	(1) S	DSCSA11
13.00"-15.00"	(2) ELBOWS	DSCEAA & DSCEAB
BEYOND 15.00"	(2) ELBOWS + PARTIAL SECTION	DSCEAA & DSCEAB DSC___

CORRUGATED DOWNSPOUT AT INSET WALL

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

GA0230

Detailer Notes:

1) N/A

GA0232 - CORRUGATED DOWNSPOUT AT INSET WALL - NO "S"

Download the DWG file by clicking here.

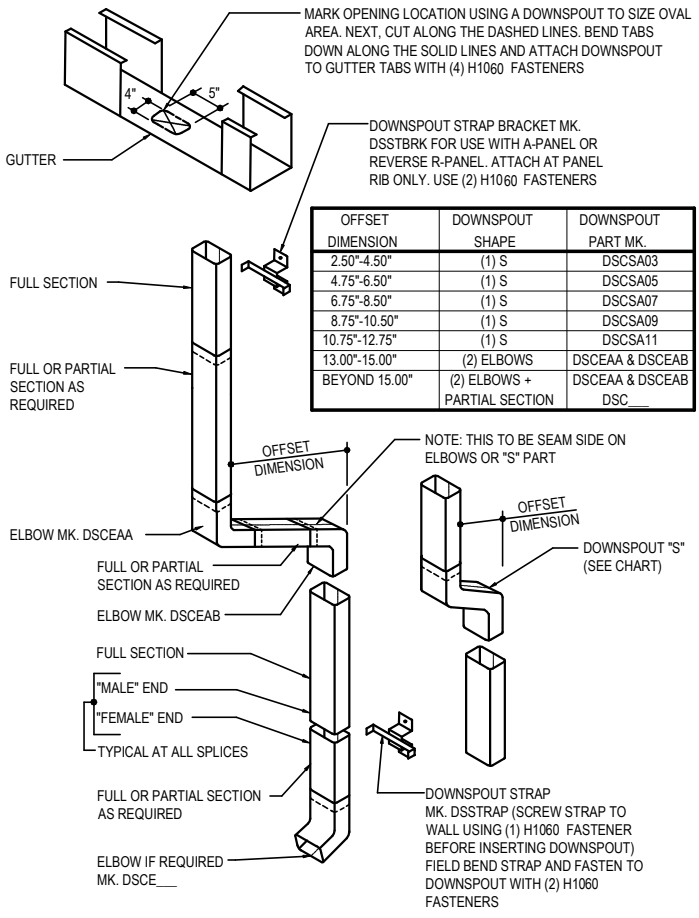
ERECTOR NOTE:
1. IF PROJECT CONTRACT SPECIFIES "S" SHAPES AT THE BOTTOM OF THE DOWNSPOUT IN LIEU OF ELBOWS, SEE DETAIL GA0105.

USE (4) POP RIVETS MK. H1100 AT ALL ELBOWS, "S", AND DOWNSPOUT SPLICES U.N.O.

USE DOWNSPOUT STRAPS MK. DSSTRAP AS FOLLOWS:
(1) AT THE ELBOW(S) OR "S" AT OFFSET
(1) AT EACH DOWNSPOUT SPLICE

DOWNSPOUT STRAP (MK. DSSTRAP) AND STRAP BRACKETS (MK. DSSTBRK) ARE ALSO PROVIDED FOR MASONRY WALL APPLICATIONS AS WELL AS FOR ATTACHMENT TO COLUMNS. FASTENERS TO MASONRY ARE NOT PROVIDED. H1060 FASTENERS ARE PROVIDED FOR COLUMN ATTACHMENT APPLICATIONS, PRE-DRILLING WILL BE REQUIRED.

NOTE: GUTTER PROFILE MAY VARY. SEE LOW EAVE GUTTER DETAIL.



OFFSET DIMENSION	DOWNSPOUT SHAPE	DOWNSPOUT PART MK.
2.50"-4.50"	(1) S	DSCSA03
4.75"-6.50"	(1) S	DSCSA05
6.75"-8.50"	(1) S	DSCSA07
8.75"-10.50"	(1) S	DSCSA09
10.75"-12.75"	(1) S	DSCSA11
13.00"-15.00"	(2) ELBOWS	DSCEAA & DSCEAB
BEYOND 15.00"	(2) ELBOWS + PARTIAL SECTION	DSCEAA & DSCEAB DSC___

CORRUGATED DOWNSPOUT AT INSET WALL

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

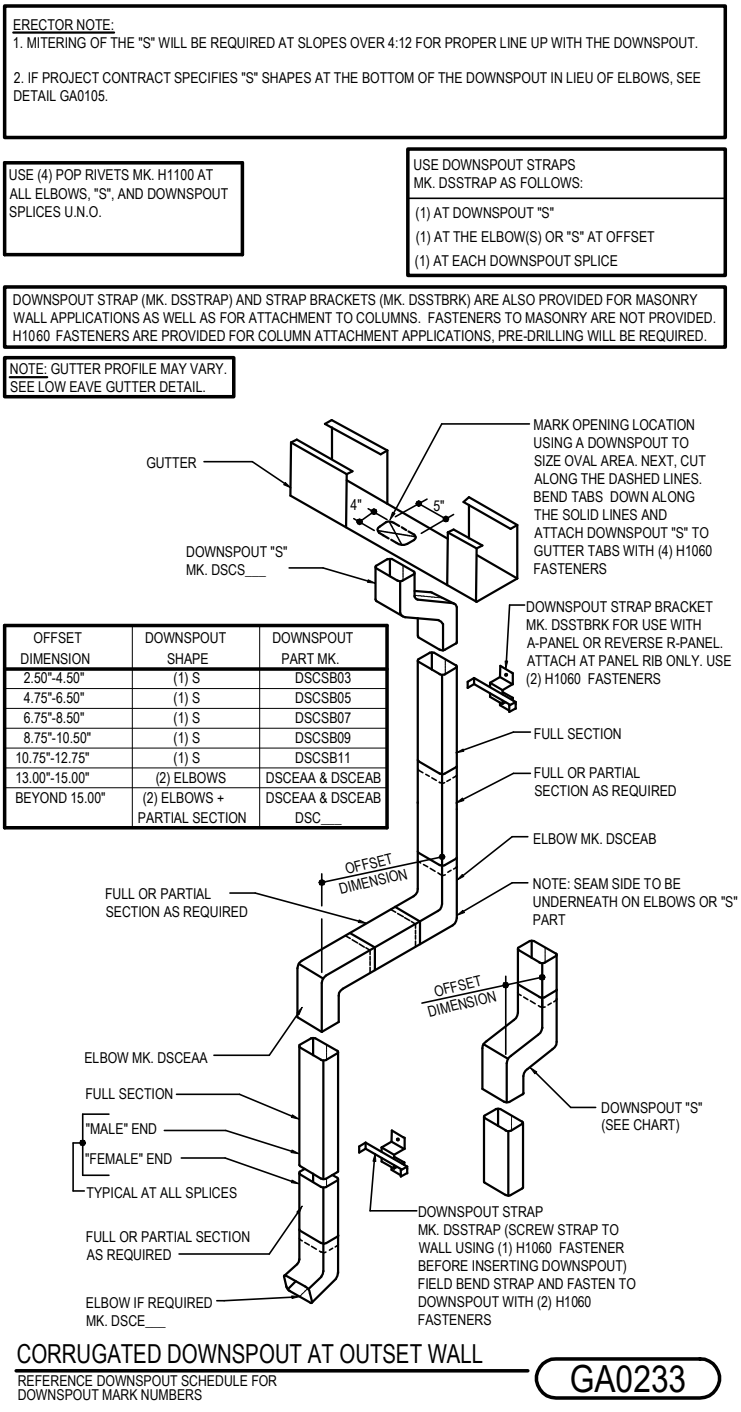
GA0232

Detailer Notes:

1) N/A

GA0233 - CORRUGATED DOWNSPOUT AT OUTSET WALL

Download the DWG file by clicking here.



OFFSET DIMENSION	DOWNSPOUT SHAPE	DOWNSPOUT PART MK.
2.50"-4.50"	(1) S	DSCSB03
4.75"-6.50"	(1) S	DSCSB05
6.75"-8.50"	(1) S	DSCSB07
8.75"-10.50"	(1) S	DSCSB09
10.75"-12.75"	(1) S	DSCSB11
13.00"-15.00"	(2) ELBOWS	DSCEAA & DSCEAB
BEYOND 15.00"	(2) ELBOWS + PARTIAL SECTION	DSCEAA & DSCEAB DSC___

CORRUGATED DOWNSPOUT AT OUTSET WALL

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

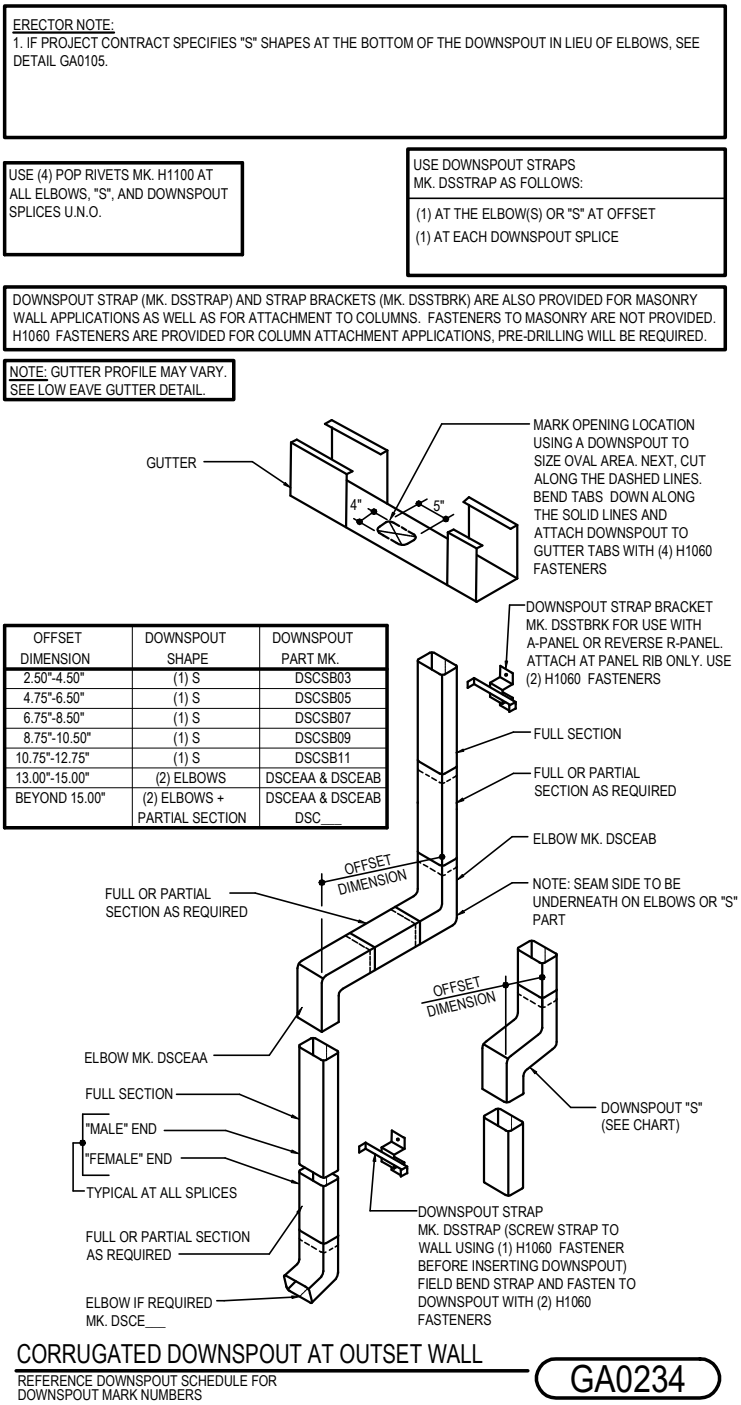
GA0233

Detailer Notes:

1) N/A

GA0234 - CORRUGATED DOWNSPOUT AT OUTSET WALL - NO "S"

Download the DWG file by clicking here.



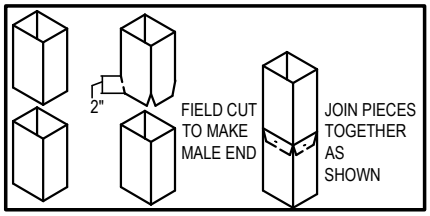
OFFSET DIMENSION	DOWNSPOUT SHAPE	DOWNSPOUT PART MK.
2.50"-4.50"	(1) S	DSCSB03
4.75"-6.50"	(1) S	DSCSB05
6.75"-8.50"	(1) S	DSCSB07
8.75"-10.50"	(1) S	DSCSB09
10.75"-12.75"	(1) S	DSCSB11
13.00"-15.00"	(2) ELBOWS	DSCEAA & DSCEAB
BEYOND 15.00"	(2) ELBOWS + PARTIAL SECTION	DSCEAA & DSCEAB DSC___

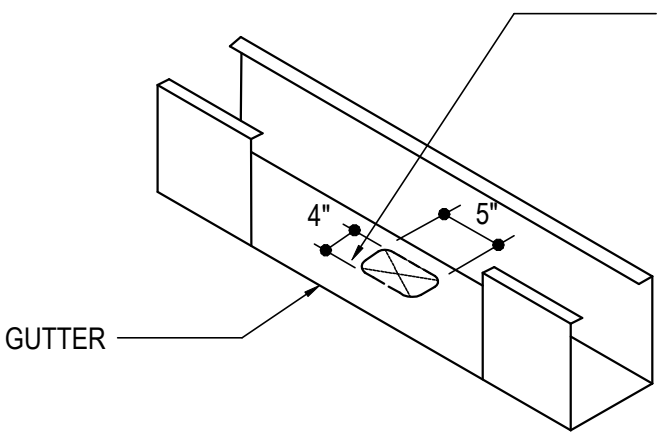
Detailer Notes:

1) N/A

GA0302 - PRESS-BROKE DOWNSPOUT

Download the DWG file by clicking here.



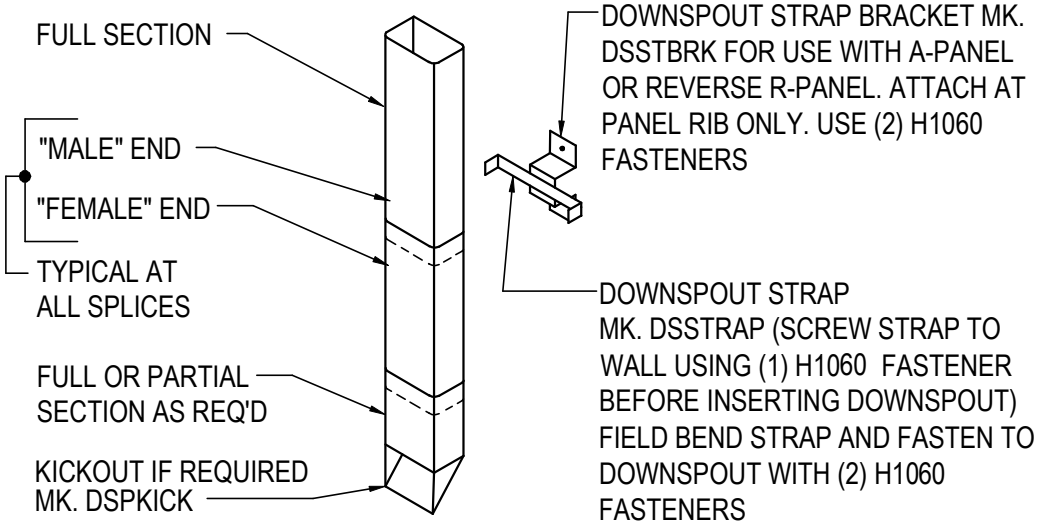


NOTE: GUTTER PROFILE MAY VARY. SEE LOW EAVE GUTTER DETAIL.

LOCATE ONE DOWNSPOUT STRAP AT EVERY DOWNSPOUT SPLICE

USE (4) POP RIVETS MK. H1100 AT ALL SPLICES AND AT KICKOUT U.N.O.

ERECTOR NOTE:
FIELD WORK (2) ELBOWS AS REQUIRED AT INSET / OUTSET WALL CONDITION.



DOWNSPOUT STRAP (MK. DSSTRAP) AND STRAP BRACKETS (MK. DSSTBRK) ARE ALSO PROVIDED FOR MASONRY WALL APPLICATIONS AS WELL AS FOR ATTACHMENT TO COLUMNS. FASTENERS TO MASONRY ARE NOT PROVIDED. H1060 FASTENERS ARE PROVIDED FOR COLUMN ATTACHMENT APPLICATIONS, PRE-DRILLING WILL BE REQUIRED.

PRESS-BROKE DOWNSPOUT

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

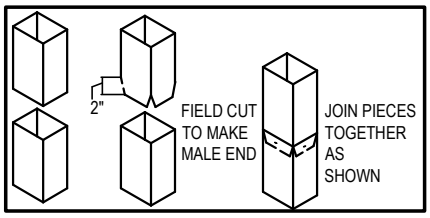
GA0302

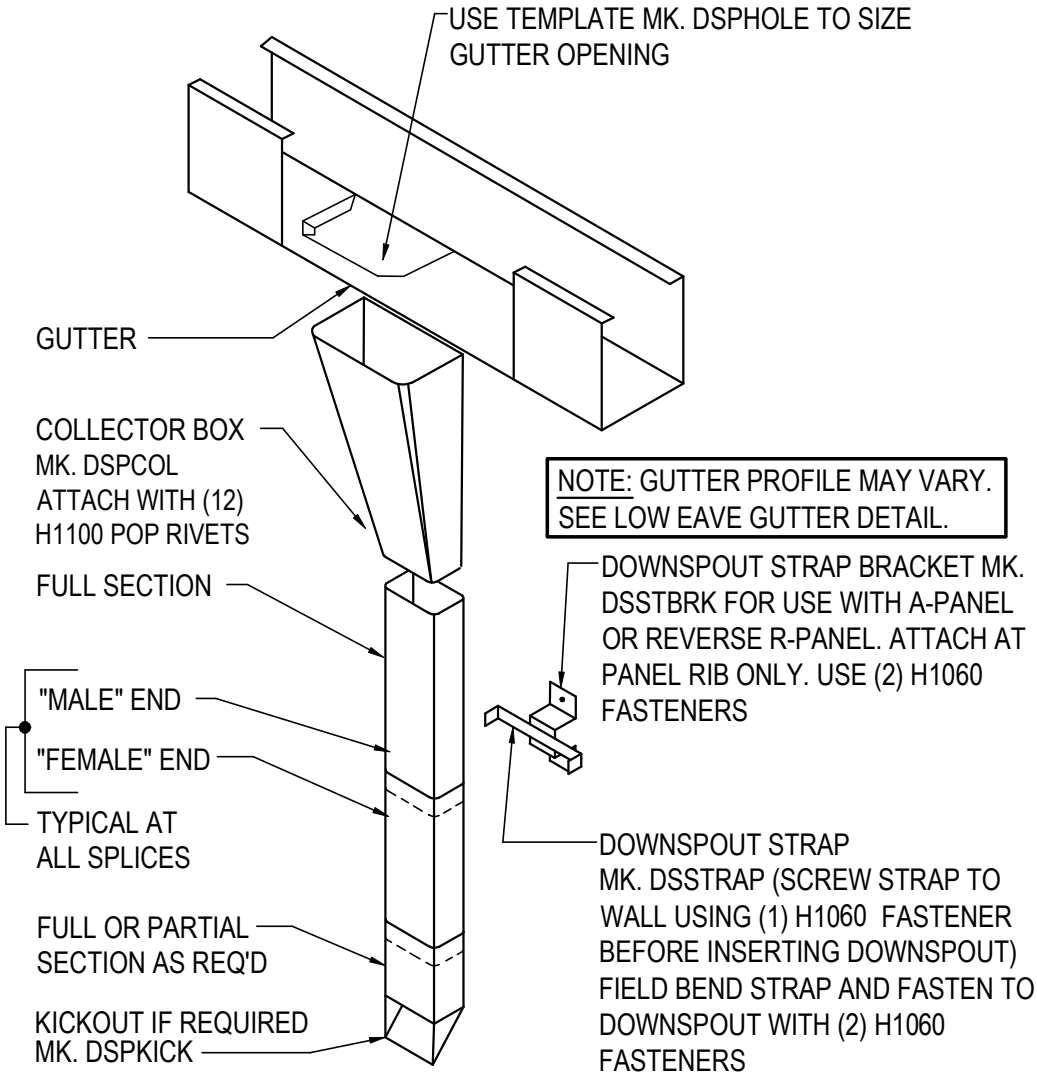
Detailer Notes:

1) N/A

GA0310 - PRESS-BROKE DOWNSPOUT - COLLECTOR BOX

Download the DWG file by clicking here.





LOCATE ONE DOWNSPOUT STRAP AT EVERY DOWNSPOUT SPLICE

USE (4) POP RIVETS MK. H1100 AT ALL SPLICES AND AT KICKOUT U.N.O.

ERECTOR NOTE:
FIELD WORK (2) ELBOWS AS REQUIRED AT INSET / OUTSET WALL CONDITION.

DOWNSPOUT STRAP (MK. DSSTRAP) AND STRAP BRACKETS (MK. DSSTBRK) ARE ALSO PROVIDED FOR MASONRY WALL APPLICATIONS AS WELL AS FOR ATTACHMENT TO COLUMNS. FASTENERS TO MASONRY ARE NOT PROVIDED. H1060 FASTENERS ARE PROVIDED FOR COLUMN ATTACHMENT APPLICATIONS, PRE-DRILLING WILL BE REQUIRED.

PRESS-BROKE DOWNSPOUT - COLLECTOR BOX

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

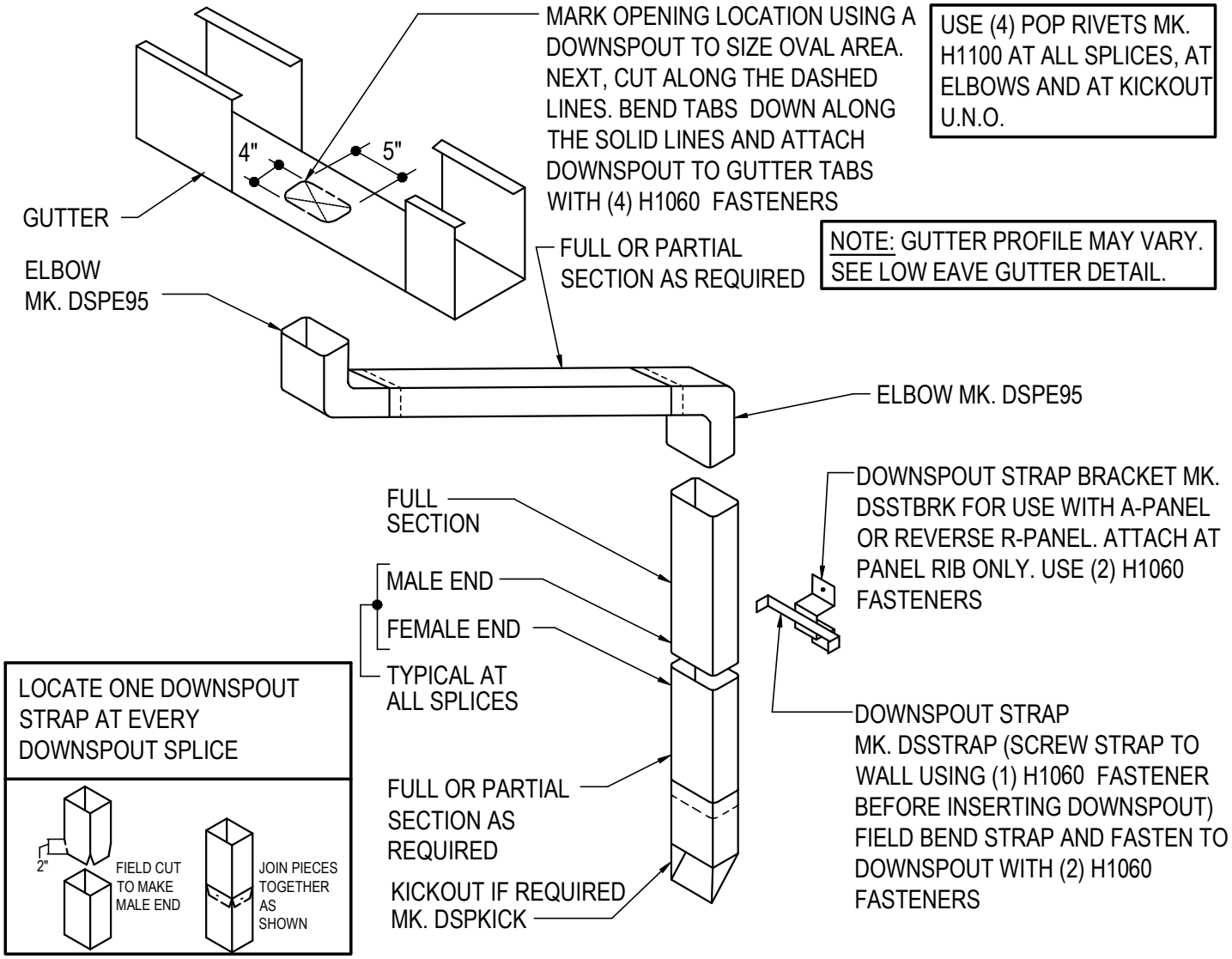
GA0310

Detailer Notes:

1) N/A

GA0320 - PRESS-BROKE DOWNSPOUT AT OVERHANG

Download the DWG file by clicking here.



DOWNSPOUT STRAP (MK. DSSTRAP) AND STRAP BRACKETS (MK. DSSTBRK) ARE ALSO PROVIDED FOR MASONRY WALL APPLICATIONS AS WELL AS FOR ATTACHMENT TO COLUMNS. FASTENERS TO MASONRY ARE NOT PROVIDED. H1060 FASTENERS ARE PROVIDED FOR COLUMN ATTACHMENT APPLICATIONS, PRE-DRILLING WILL BE REQUIRED.

PRESS-BROKE DOWNSPOUT AT OVERHANG

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

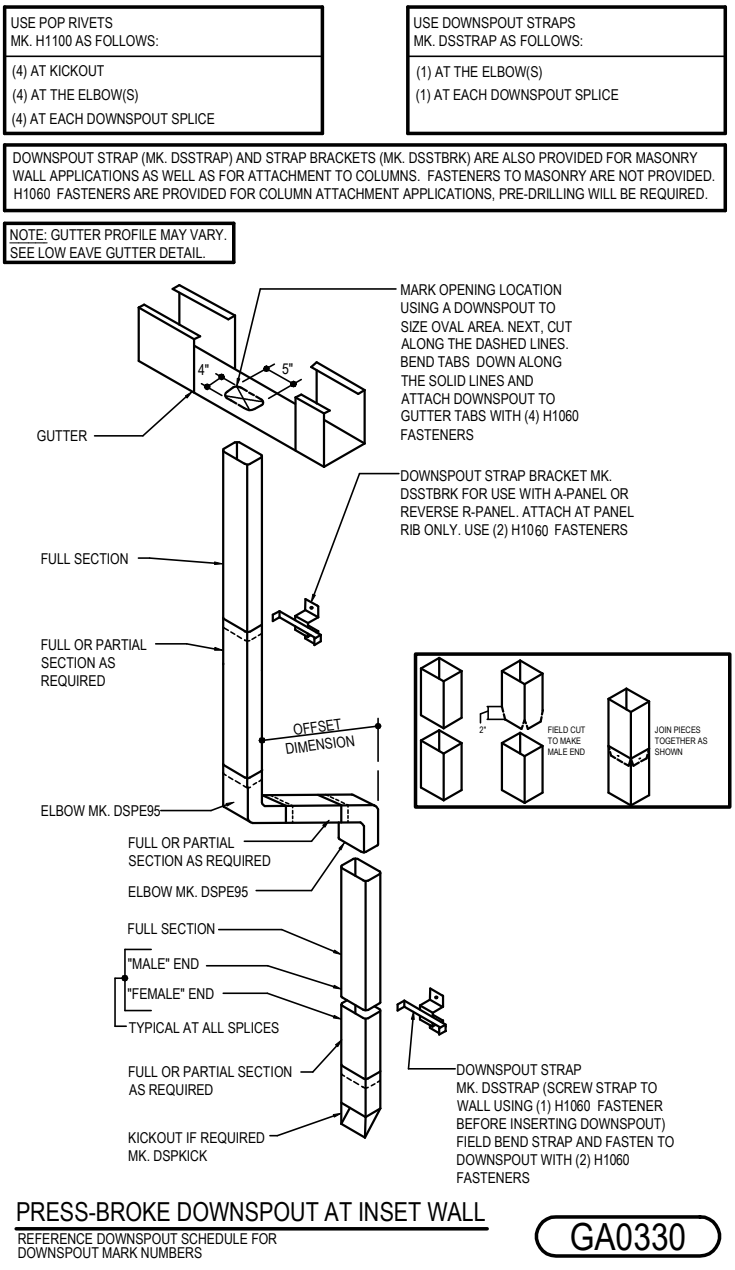
GA0320

Detailer Notes:

1) N/A

GA0330 - PRESS-BROKE DOWNSPOUT AT INSET WALL

Download the DWG file by clicking here.



PRESS-BROKE DOWNSPOUT AT INSET WALL

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

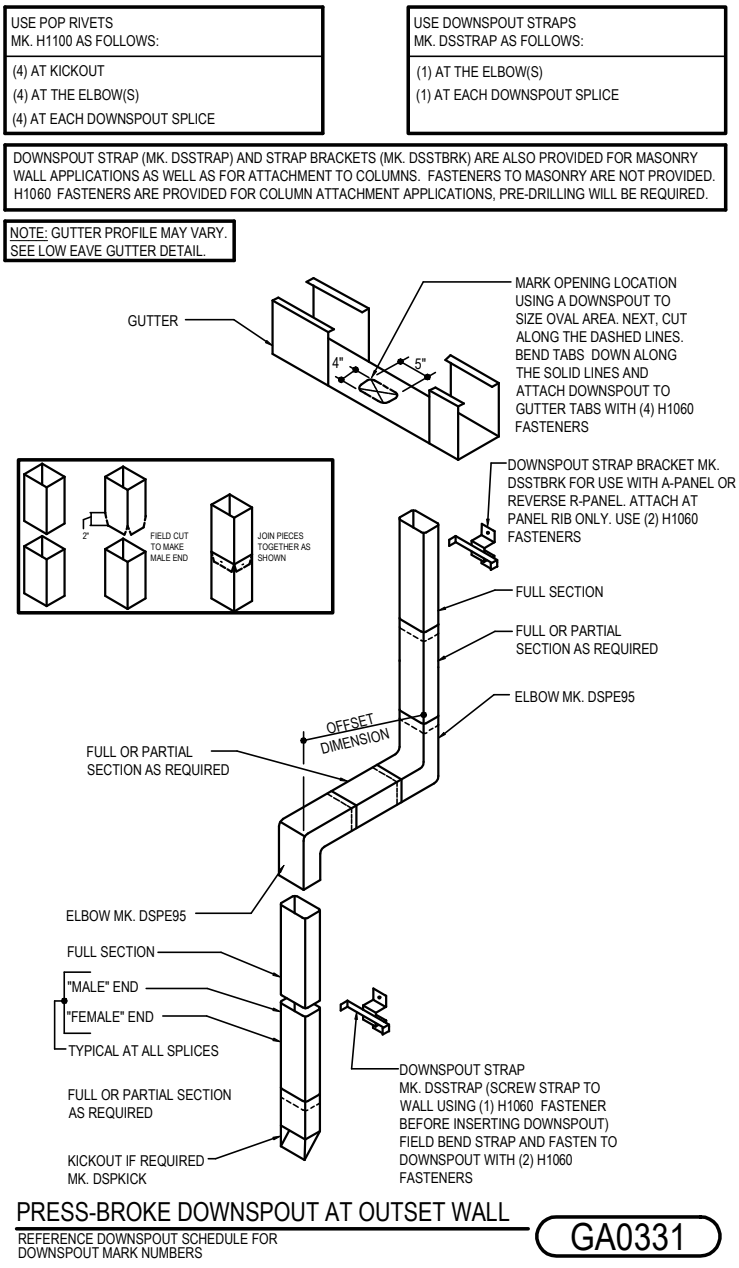
GA0330

Detailer Notes:

1) N/A

GA0331 - PRESS-BROKE DOWNSPOUT AT OUTSET WALL

Download the DWG file by clicking here.

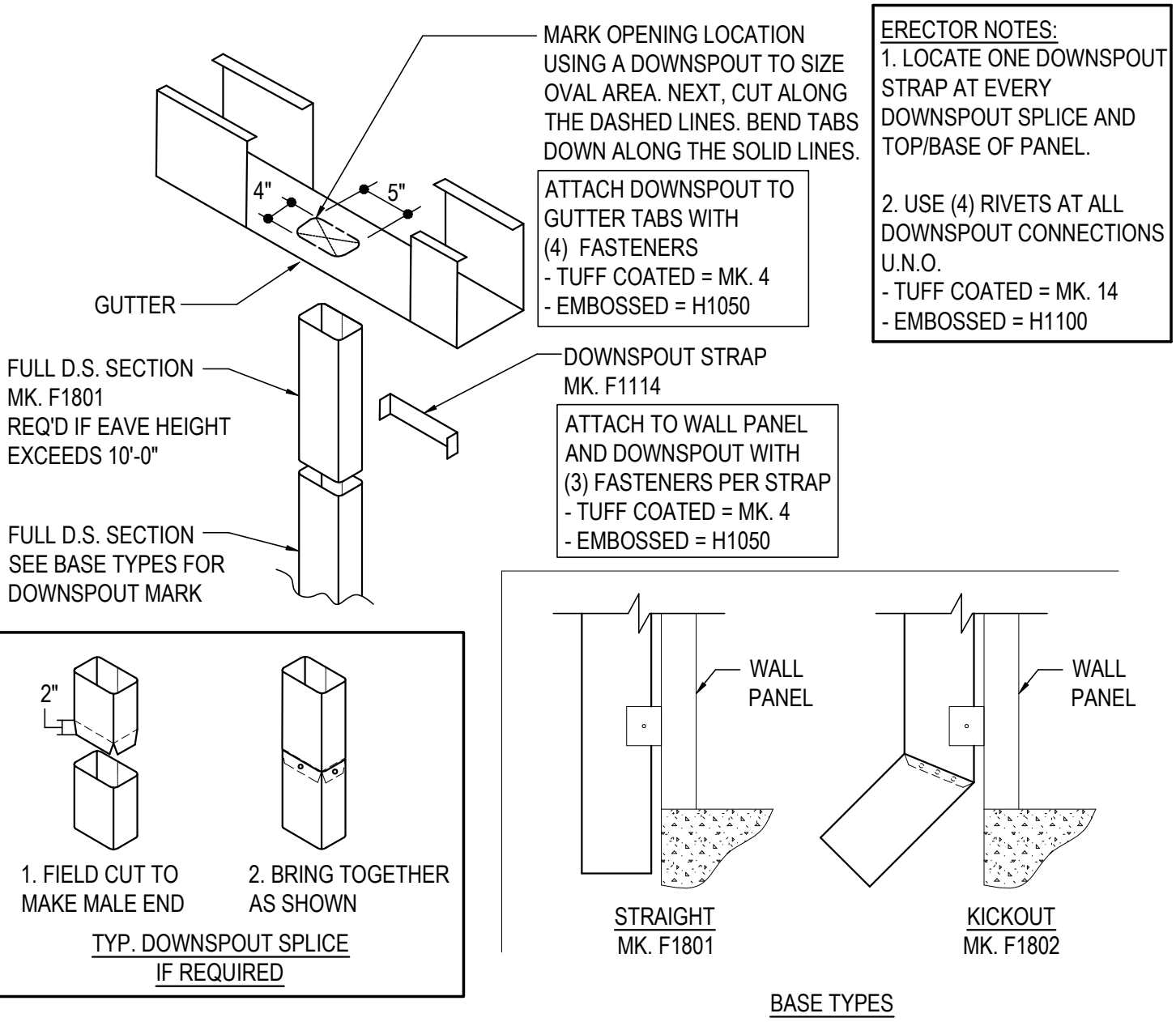


Detailer Notes:

1) N/A

GA0400 - EMBOSSED OR TUFF COATED PRESS-BROKE DOWNSPOUT

Download the DWG file by clicking here.



EMBOSSED OR TUFF COATED DOWNSPOUT

REFERENCE DOWNSPOUT SCHEDULE FOR DOWNSPOUT MARK NUMBERS

GA0400

Detailer Notes:

1) PROVIDE THIS DETAIL UNDER THE FOLLOWING CONDITIONS:
- IMP PROJECTS THAT HAVE BOTH EMBOSSED TRIMS **AND** PRESS-BROKE DOWNSPOUTS SELECTED.
- IMP PROJECTS WITH TUFF COATED WALL PANELS.