BARGAIN STEEL CENTRE .COM.AU

8280 6000

Lot 10 Heaslip Road, Burton

SHED INSTALL GUIDE

DOMESTIC

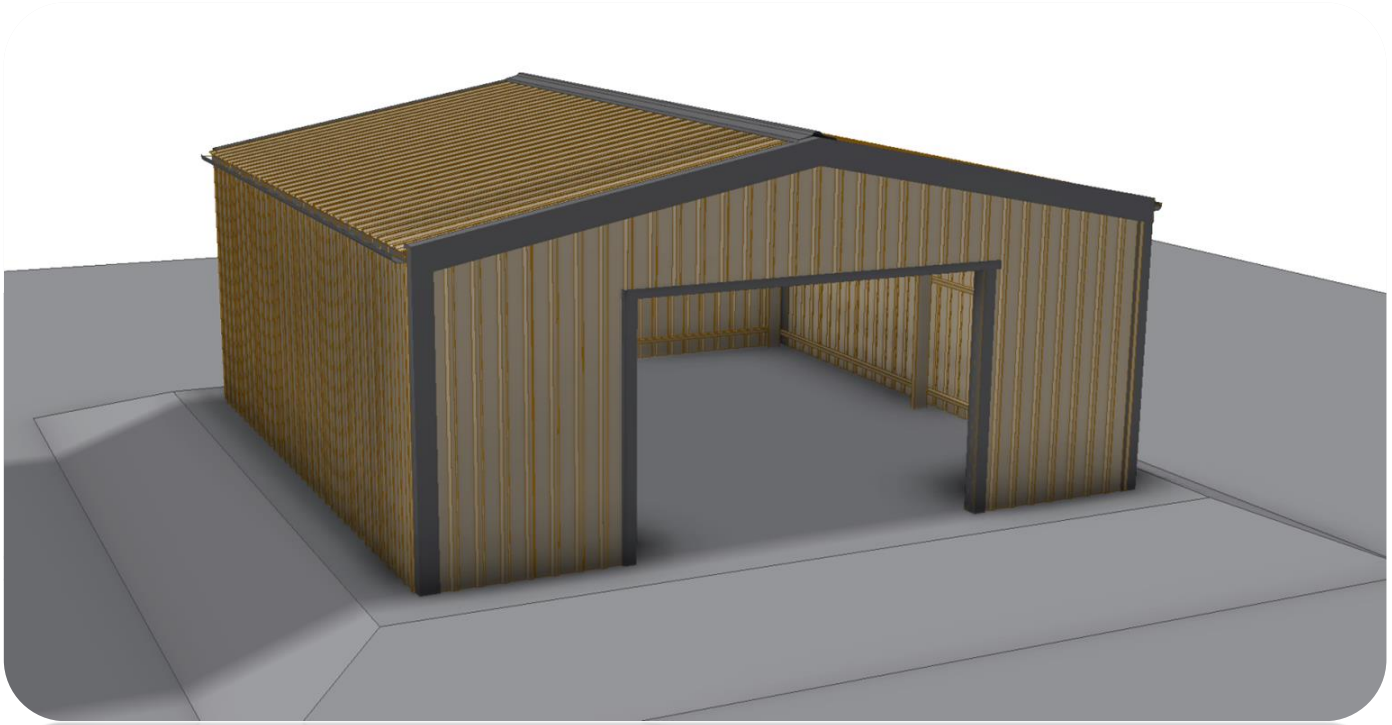


TABLE OF CONTENTS

1. PREFACE

Congratulations on your choice of an engineered prefabricated steel framed, Bargain Steel Centre Shed. Thoroughly read this installation guide and by following the instructions, you can be assured of a job well done.

2. PREPARATION

2.1. BEFORE COMMENCING

Approval from your local or district council is necessary. Fill out all details on an application form and sketch the position of the proposed garage showing distances from boundaries and existing buildings.

Always make sure your existing shed is positioned as per the plans that have been approved by council. It also makes the installation of your shed easier if your site has been cleared and levelled.

2.2. TOOLS REQUIRED

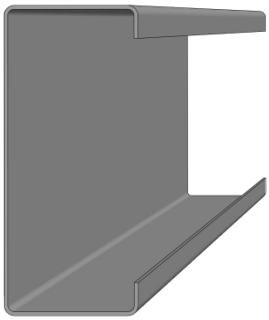
The tools required for the assembly of the proposed shed include the following:

- Tin snips.
- Angle grinder.
- Adjustable spanner.
- Screw driver, with 5/16 in Tek bit.
- Power drill, with 3mm and 12mm drill bit.
- Level.
- Temporary props for walls
- Rivet gun
- Silicon
- Ladder
- Permanent Marker

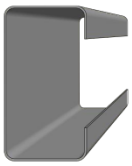
2.3. MATERIALS

On receipt of your garage, carefully check off the materials received against your delivery docket. Listed are the components you will have received, some of which will vary dependant on style and size of your garage.

2.3.1. STRUCTURAL



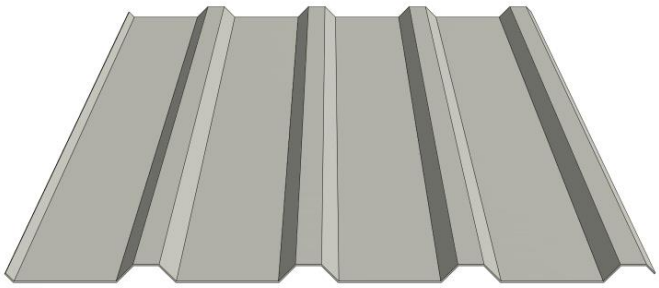
Column / Centerback
C100 / C150 / C200 / C250



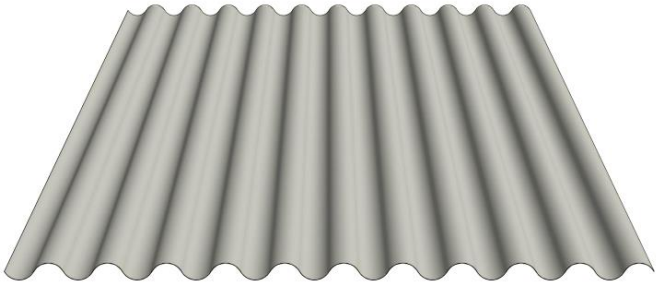
Purlin / Girt
C75 / C100

Roof Truss
(Will vary depending
on door openings)

2.3.2. CLADDING

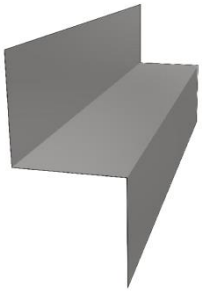


Trim Deck (T/Deck)
Cladding

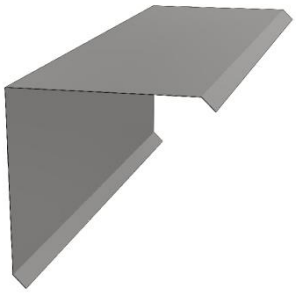


Corrogated (Corro)
Cladding

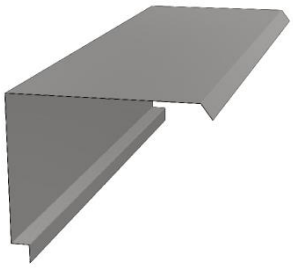
2.3.3. FLASHINGS



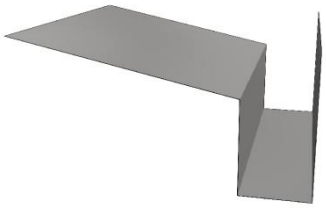
Window Flashing



Alternative Corner For Corro Wall

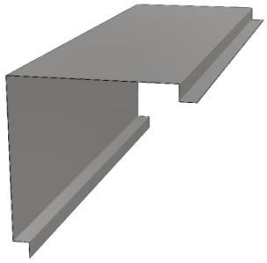


Barge Flashing

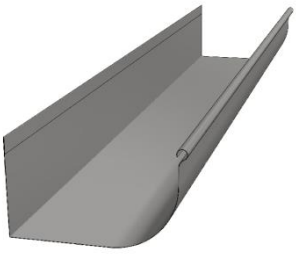


Box Gutter

Box Gutter Fence Capping

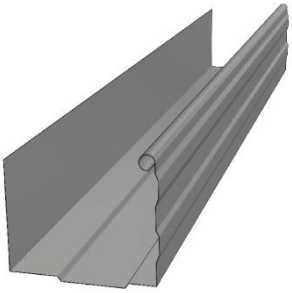


Corner For Trim Deck Wall



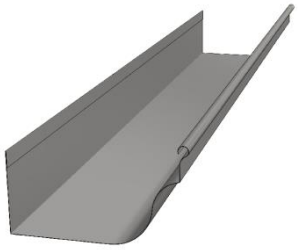
D-Gutter

D-Gutter StopEnd



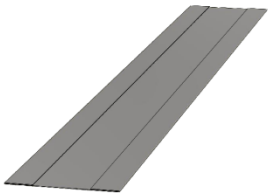
Facia-Gutter

Facia-Gutter StopEnd

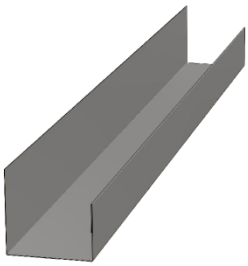


OG-Gutter

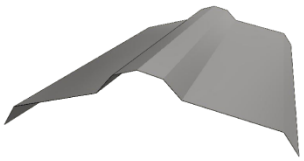
OG-Gutter StopEnd



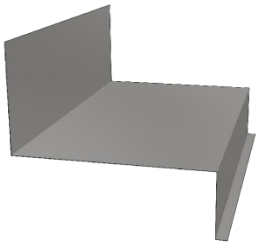
Pa-Door Side Flashing



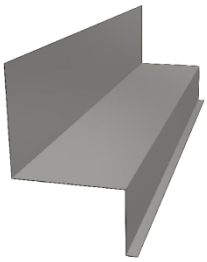
Pa-Door Top Flashing
Roller Door Top Flashing



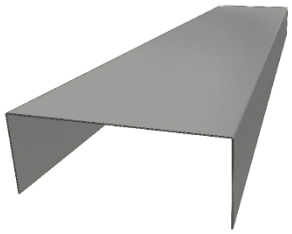
Ridge Cap



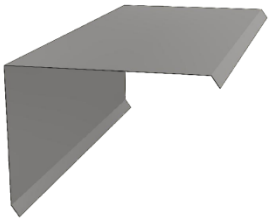
Sliding-Door Track
Flashing Side - Double



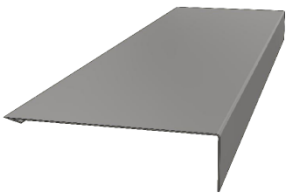
Sliding-Door Track
Flashing Side - Single
Front Double



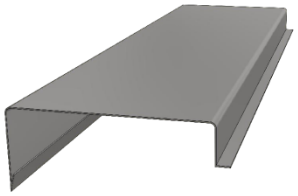
Pa-Door / Window Support
or Purlins / Girts Joiner



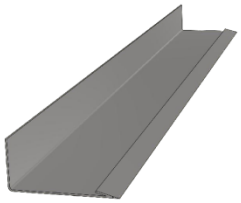
Roller-Door Flashing - Side
Typical



Filler Part A



Filler Part B

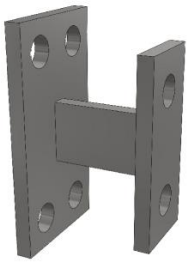


Roller Door Header
Flashing

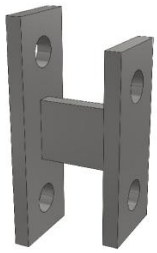
2.3.4. COMPONENTS

Angle Bracket

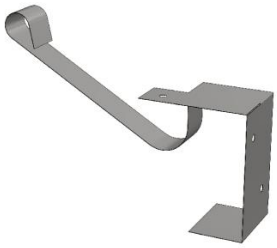
D-Gutter Bracket



Facia Bracket Double



Facia Bracket Single



Facia-Gutter Bracket Side Mount

Facia-Gutter Bracket Top Mount

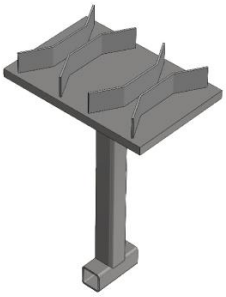
Fly Brace

Hold-Down-Bolt Double

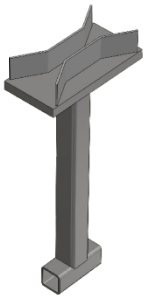
Hold-Down-Bolt Single

PA Lock Type T-Handle

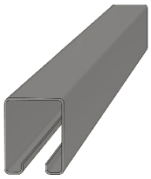
Spring Lock



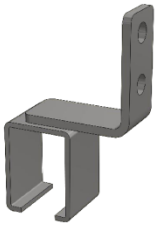
Sliding-Door Guide Double



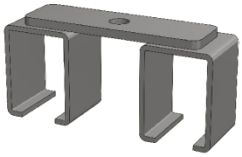
Sliding-Door Guide Single



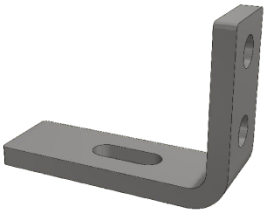
Sliding-Door Track
(ELTRAK ED2)



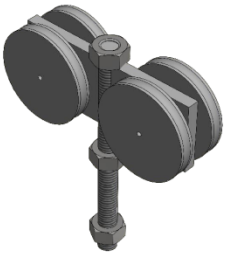
Sliding-Door Bracket
Single Stepped



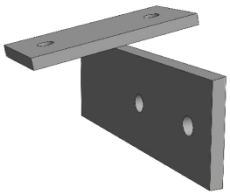
Sliding-Door Bracket
Double Overhead



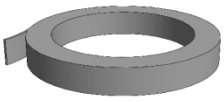
Sliding-Door Bracket
Double Side Fix



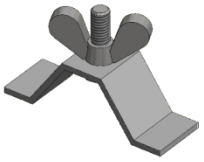
Sliding-Door Top Roller



Center-Back Bracket

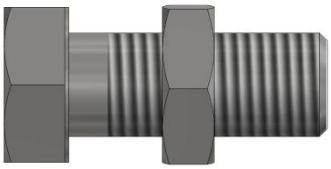


Wind Bracing Roll



Tensioner

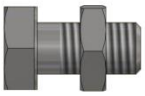
2.3.5. FASTENERS



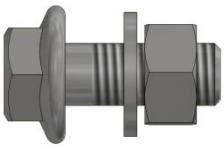
M20x50 TRUSS CONNECTION BOLTS

M16x50 TRUSS CONNECTION BOLTS

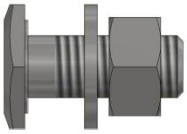
10x40 DOOR BRACKET BOLTS



10x20 PURLIN BOLTS



12x30 PURLIN BOLTS (FLANGED)



12x30 FACIA BOLTS (FLAT HEAD)

12x50 TEKS ROOF

12x35 TEKS ROOF

12x20 TEKS

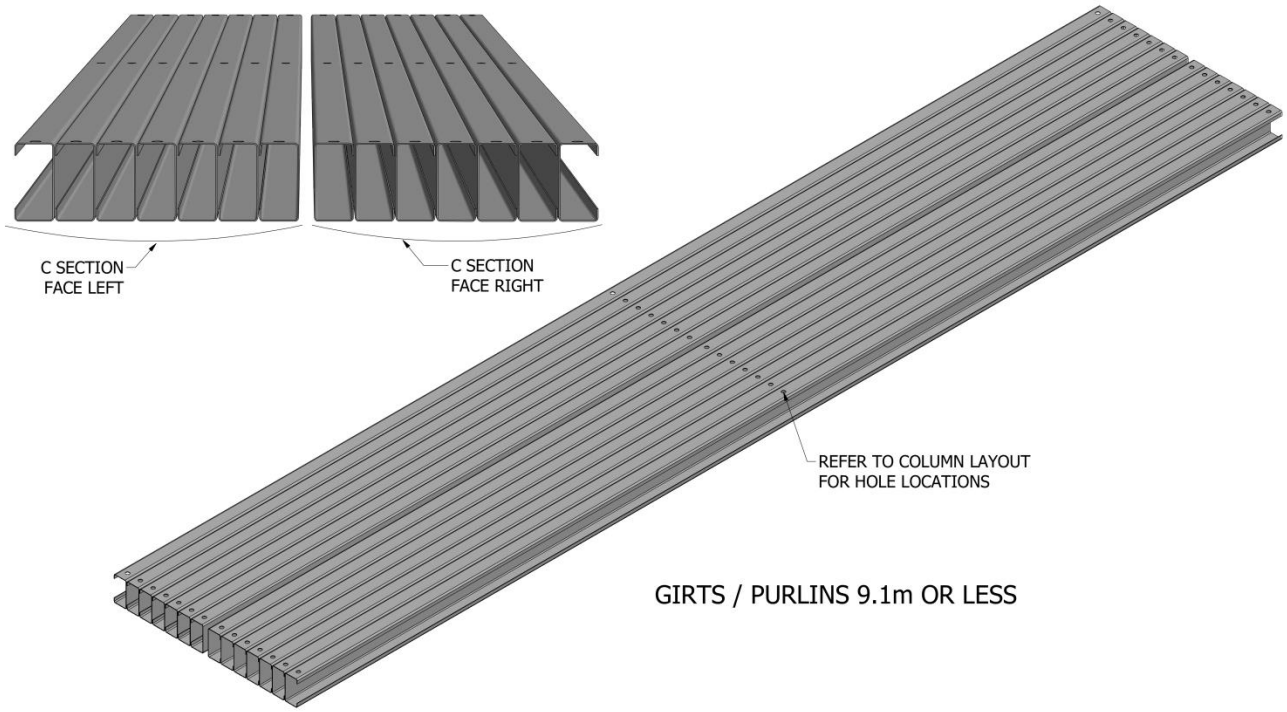
10x16 TEKS

10x16 WAFER HEAD

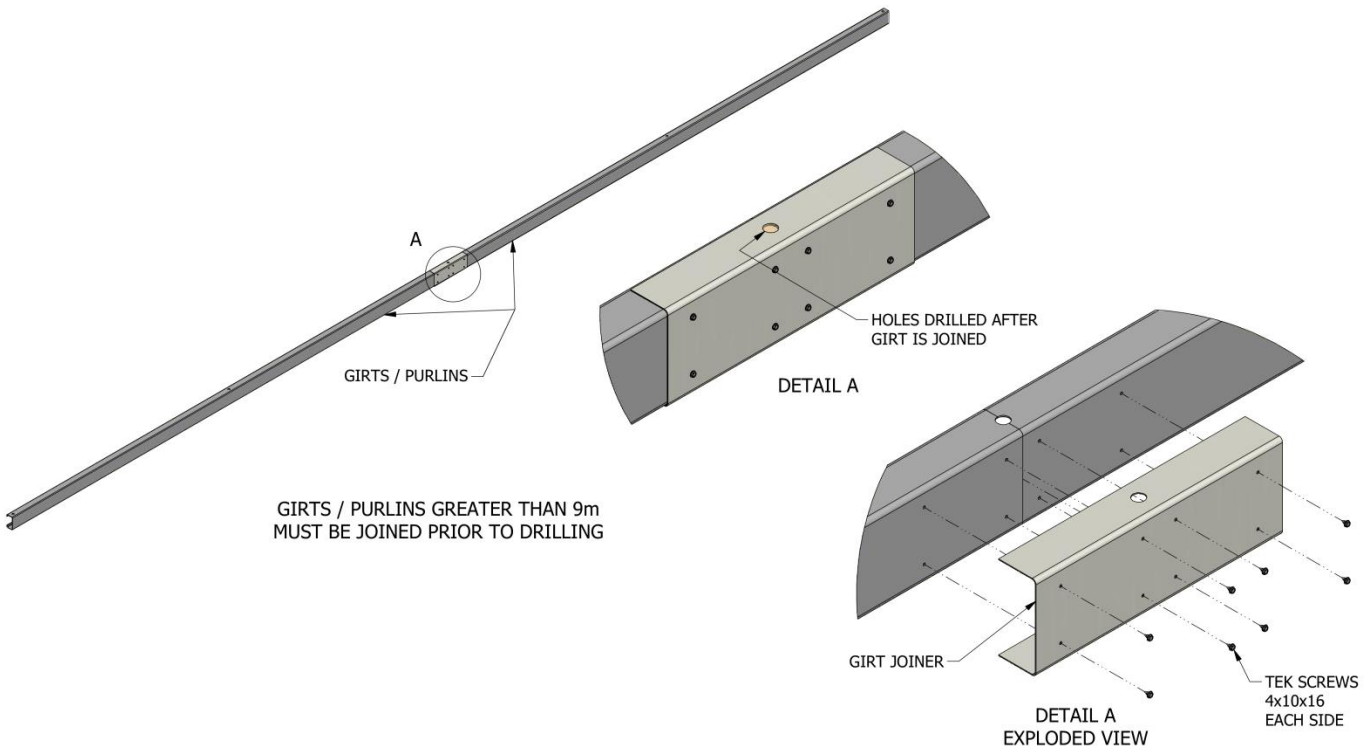
3. SETTING OUT

3.1. PURLIN AND GIRTS DRILLING

For the drilling and positioning of purlins, refer to your column layout. Which will be attached to your bill of materials on delivery of your shed.

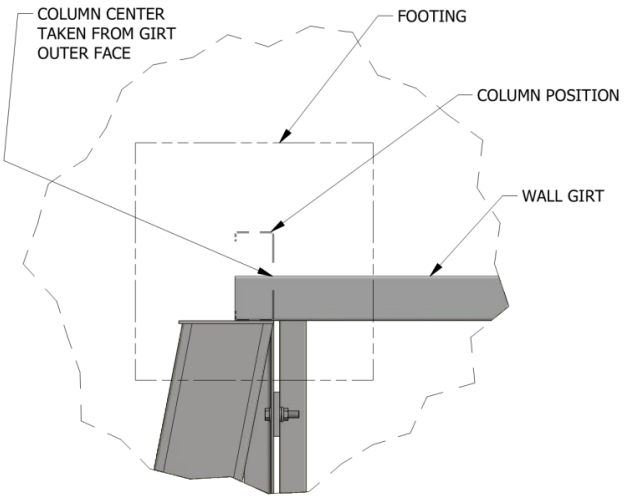


Layout girts and purlins as Above, level 1 end. Mark the first hole in 30mm from the end. Then as per column spacings provided on column layout, mark the remaining holes. You should be left with 30mm on the other end. Pilot drill the holes central with the 3mm drill bit, then drill out the holes using the 12mm drill bit.

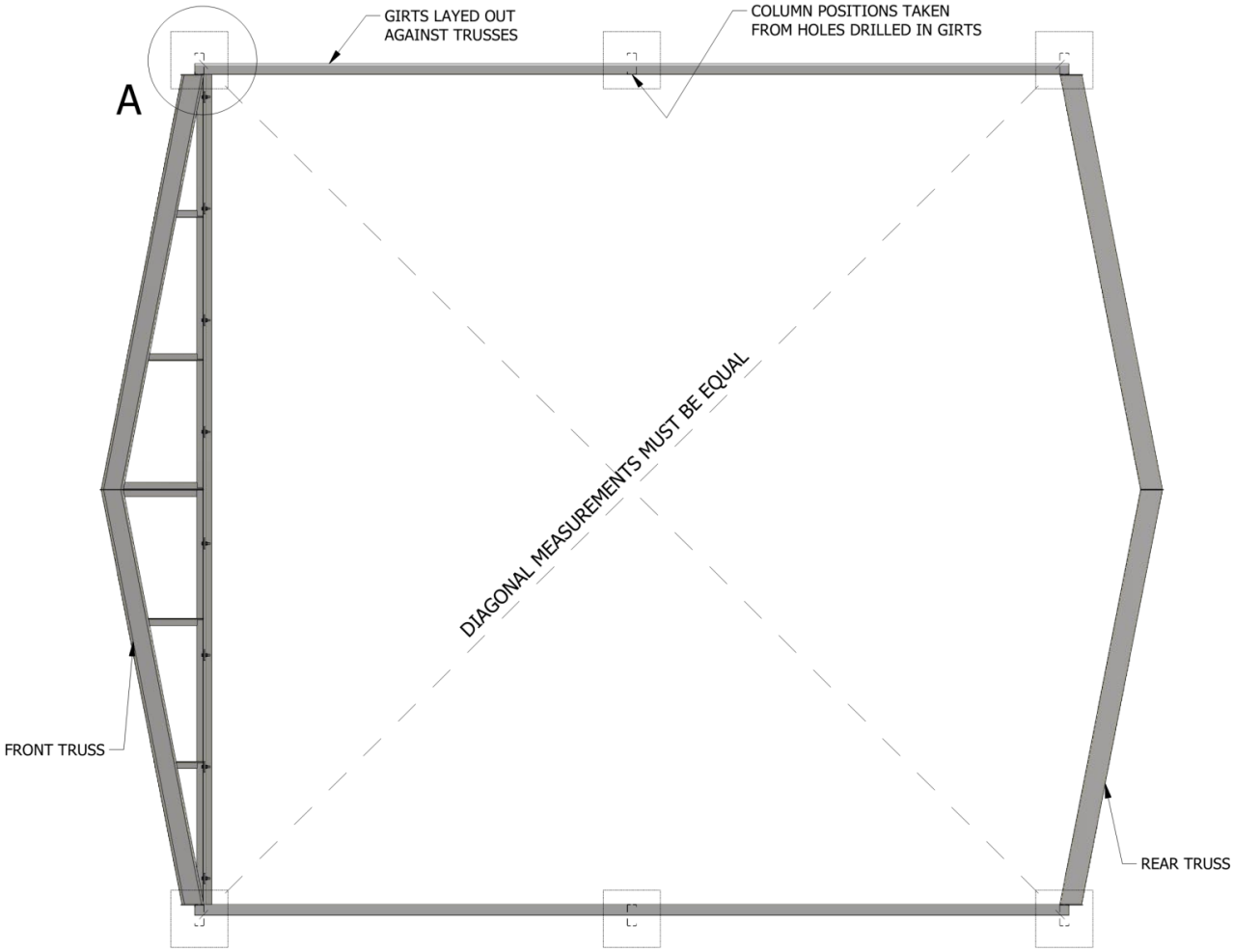


3.2. FOOTING LAYOUT

Once you have drilled out your purlin and girts, you can use them to help mark the holes for your columns on your prepared pad.



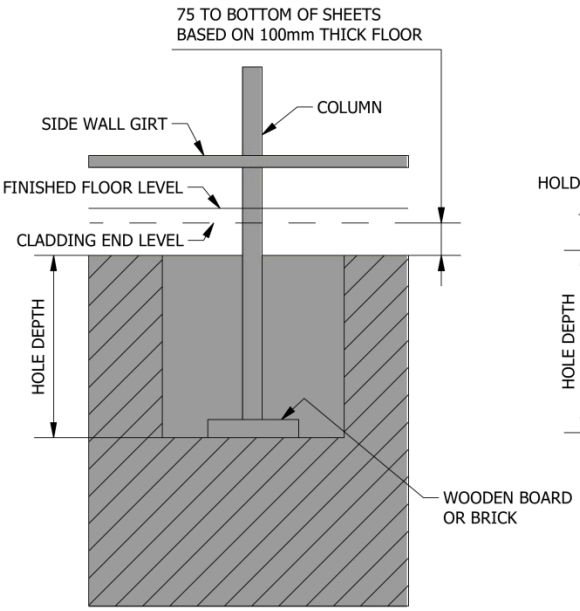
DETAIL A



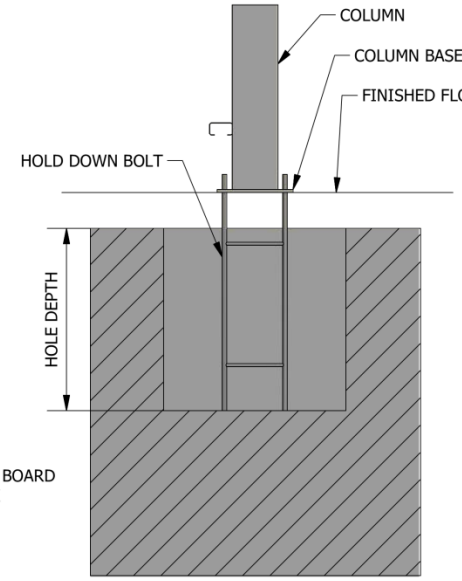
FOOTING LAYOUT

For footing sizes, refer to the engineering details that were supplied for your council approval.

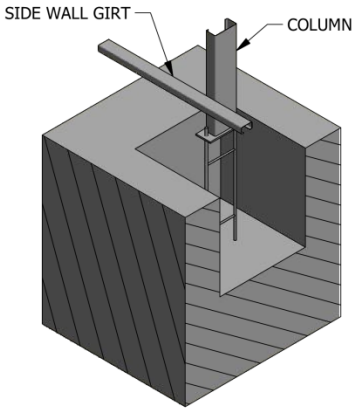
3.3. FOOTING DETAILS



COLUMN
IN GROUND CONFIGURATION



COLUMN
HOLD-DOWN BOLTS
CONFIGURATION



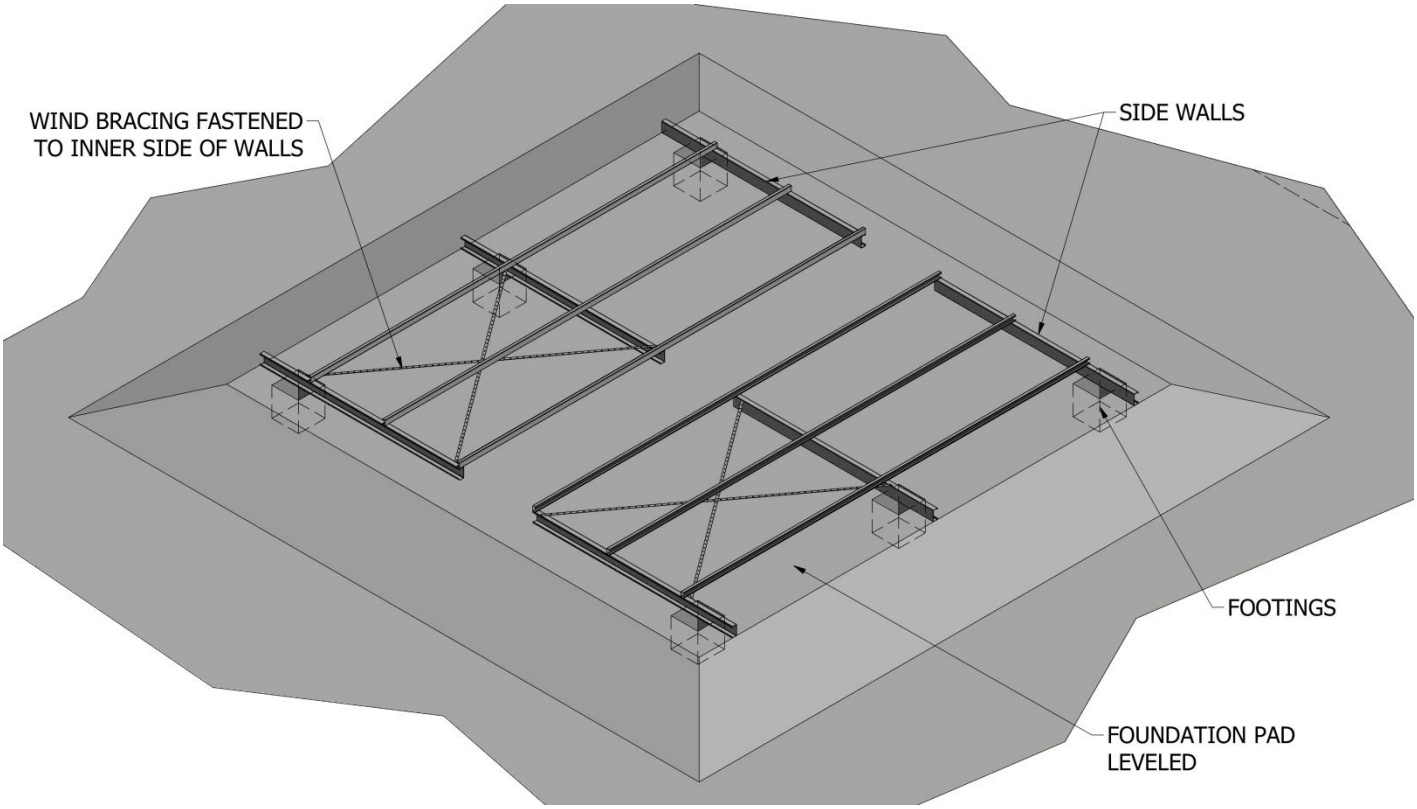
COLUMN
HOLD-DOWN BOLTS
CONFIGURATION
(ALTERNATE VIEW)

4. SHED ASSEMBLY SEQUENCE

4.1. FOUNDATION LAYOUT AND SIDE WALL CONSTRUCTION

4.1.1. SIDE WALL FRAME

The side walls are to be assembled while resting on the ground. The purlins are fastened to the columns and the wind-bracing is fastened on the end bay of each column.



Special Notes

- If your shed has one or more sliding door and or roller doors you wall girts will be pre-cut to length.
- If you have carry beams in the side walls refer to 5.1.5 for details.

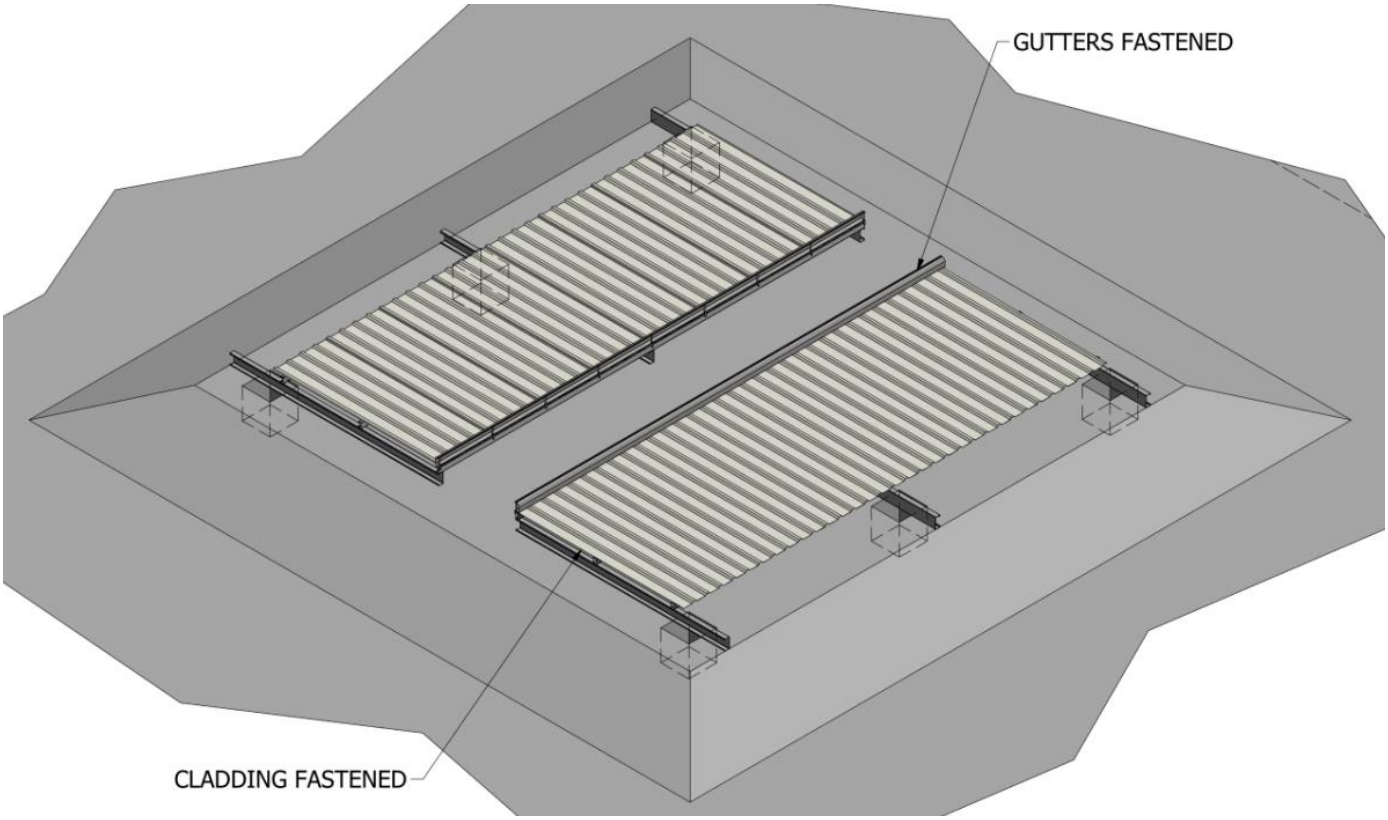
4.2. Side Wall Cladding and Gutters

4.2.1. Cladding

The side wall cladding is to be installed onto the side wall frames before they are erected. The screw configuration for the wall cladding can be found in section 10.2.

4.2.2. Gutters

The gutters are also to be installed while the side wall frame is on the ground. Setups for different gutters can be found in section 9.



Special Notes

- If you have side sliding doors, the door brackets and flashings can be fitted before standing the walls up, refer to 5.1.15.1 for more details.
- If you have a roller door in the side wall, this can also be set up before standing up the walls, refer to 7.3 for more details.

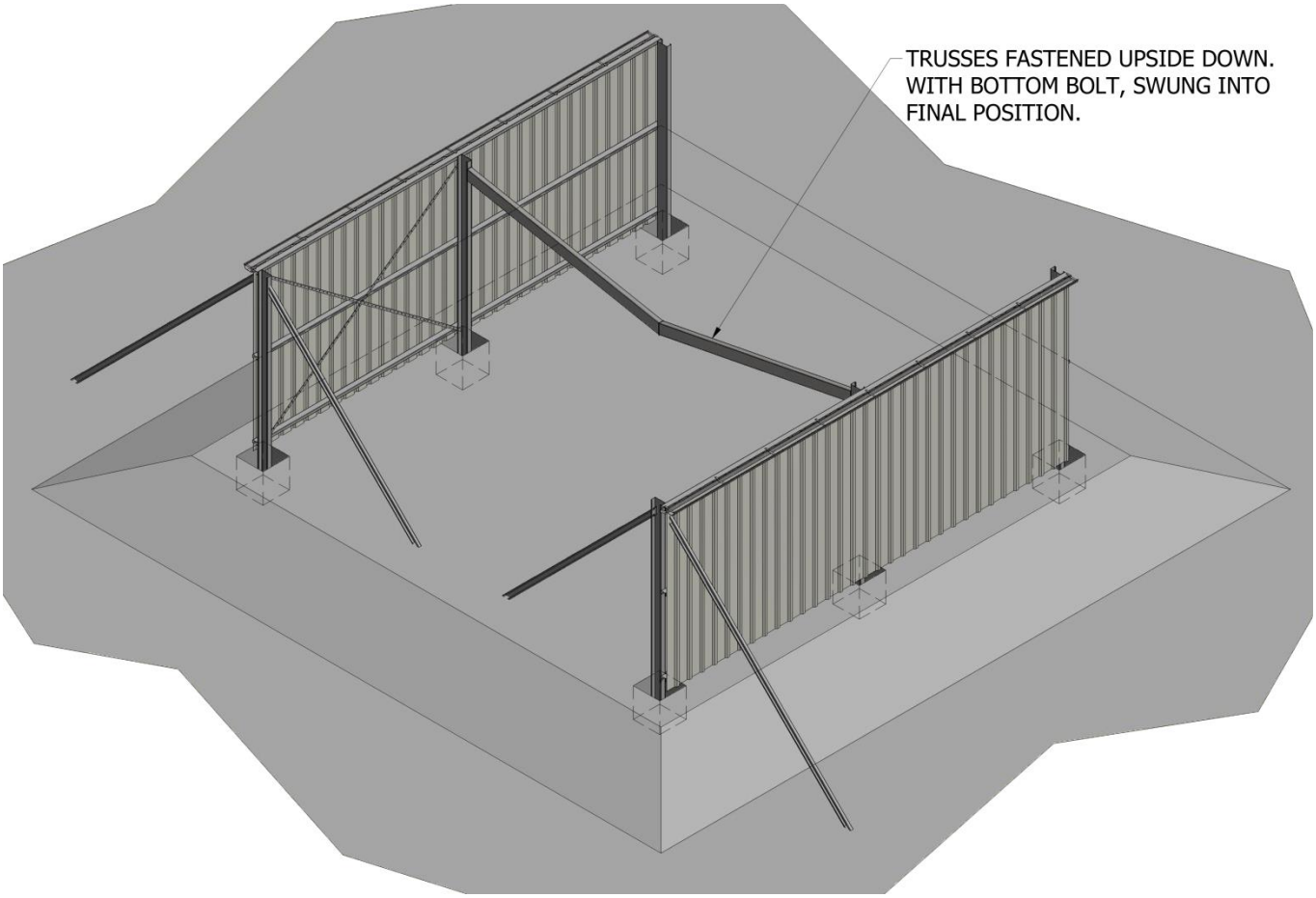
4.3. Truss Installation

4.3.1. Side Wall Erection

Now the side walls can be erected into the foundations that were dug for the columns. Once erected and measured to be level, the walls can be temporarily braced.

4.3.2. Intermediate Truss Installation

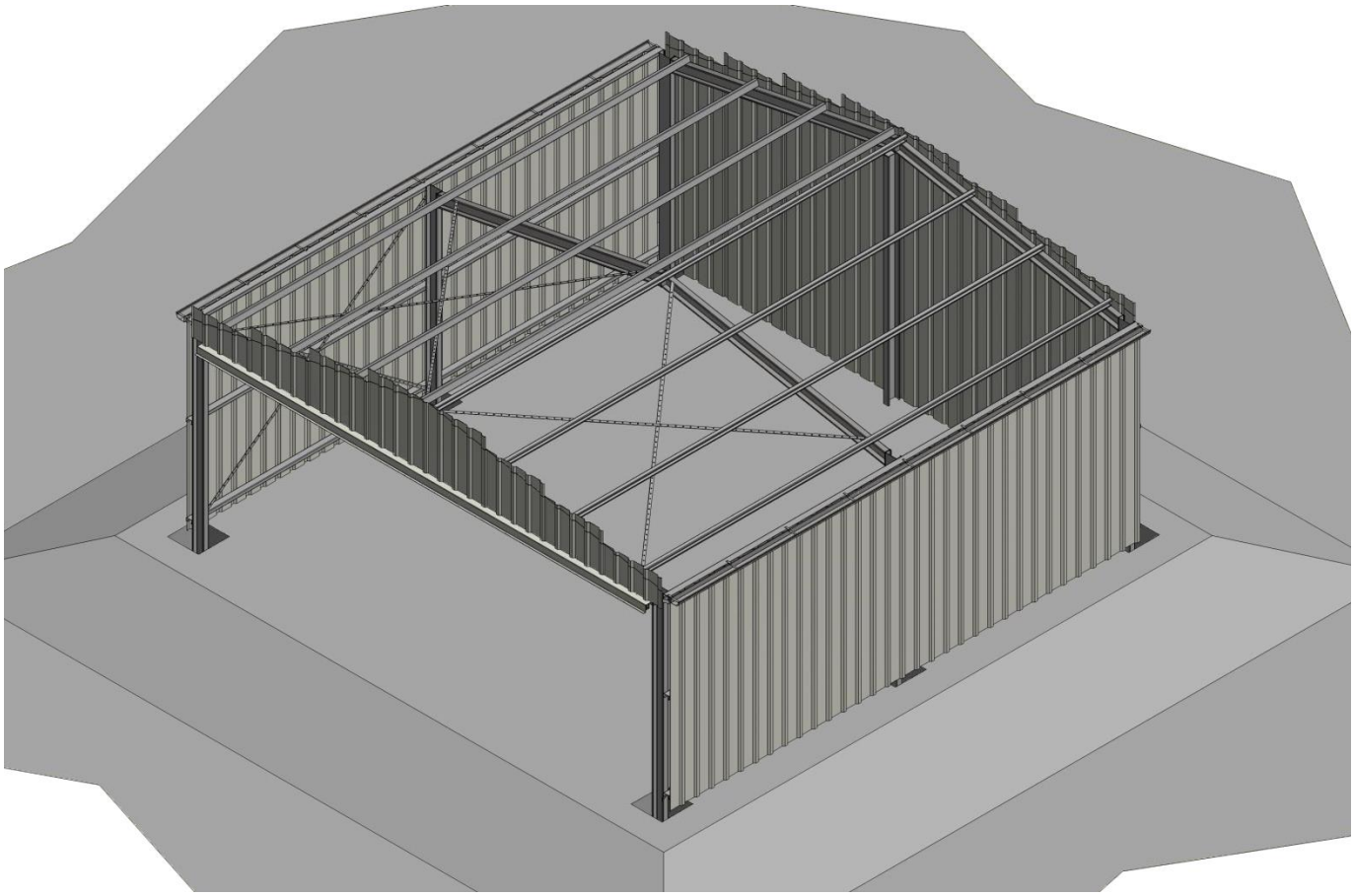
With the side walls braced, the intermediate and rear trusses can be installed into position. First attach the bottom bolts to the trusses (as shown below) then swing the truss into position. Once into position, the top bolts can be inserted. Once the trusses have been installed, the temporary bracing can be removed.



4.4. FRONT TRUSSES

4.4.1. SLIDING DOOR FRONT TRUSS

If the shed contains a front sliding door, there will be a front truss included. Install this truss as previously mentioned, however before the cladding is fastened to the trusses, the sliding door flashings are to be installed, as shown in section 7.4.



Special Notes:

- You can also fit the door flashing and gable end cladding before the front truss is lifted into position.
- If you have front sliding doors you will be supplied with a front truss.
    - For double sliding doors the track will be welded to the bottom chord of the truss. Refer to 7.4.2 for more details.
    - For Single sliding doors the track will be bolted to the front truss. Refer to 7.4.1 for more details.

4.5. Roof Purlins

4.5.1. Centerback And End Wall Girts

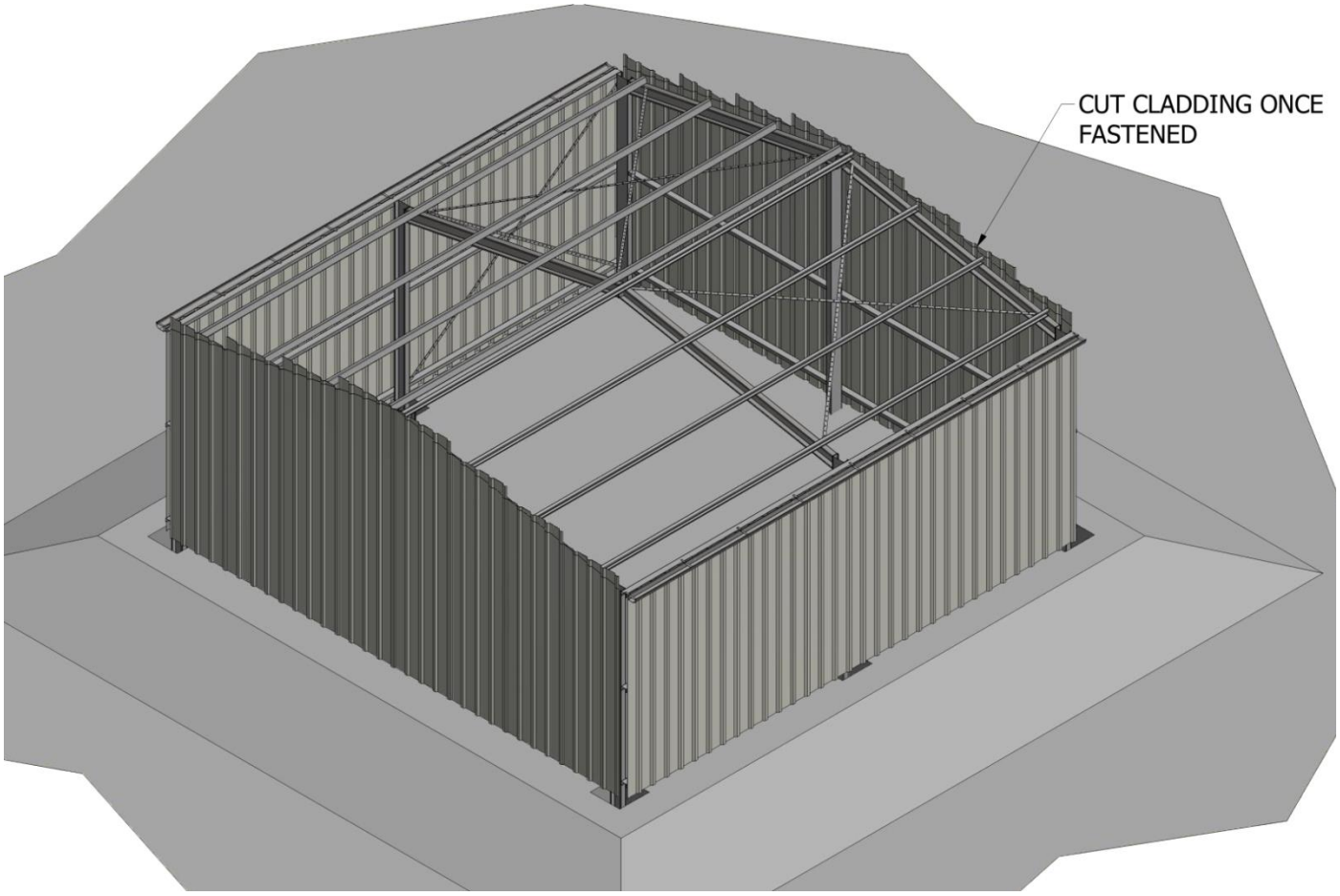
With the rear trusses in position, the centerback columns can be installed, and fastened to the truss. The end wall girts can be installed, using angle brackets fastened to the corner columns, as shown in section 6.1.

4.5.2. Roof Purlins And Wind Bracing

After all trusses are installed the roof purlins can be fastened into position using the roof purlin bolts provided. After the roof purlins have been installed, the wind-bracing can be fastened to the inside of the roof, on one end of the shed.

4.5.3. End Wall Cladding

The end wall cladding can now be fastened to the walls. Once the sheets are attached, they can be cut flush with the roof purlins. This can be done as you are cladding the wall or cut once the wall is screwed on.

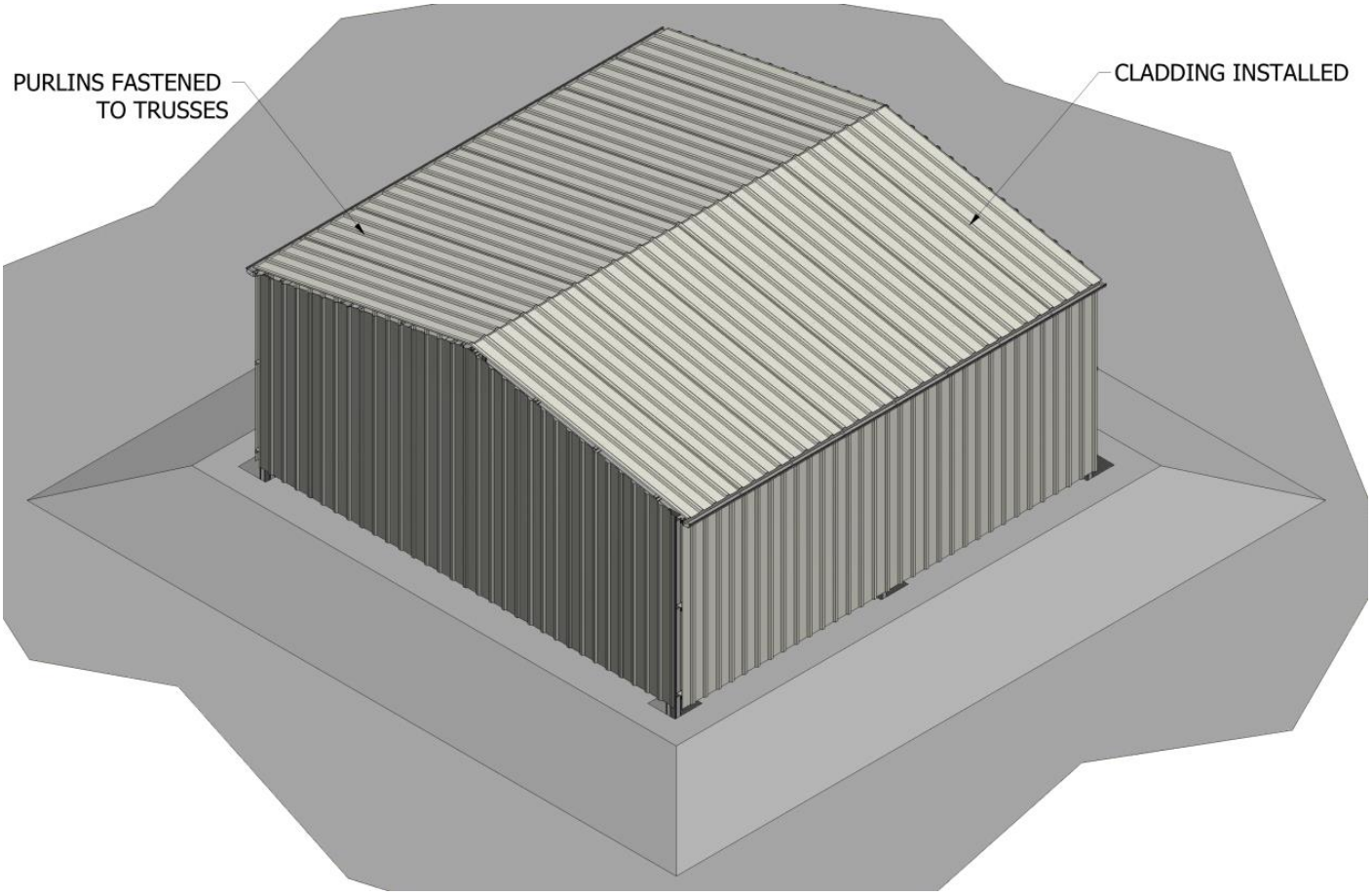


Special Notes:

- If your shed has 1 or more roller doors in the gable end, you need to install the roller door column and header before cladding the wall. Refer to 7.4.3 and 7.4.4 for more details.

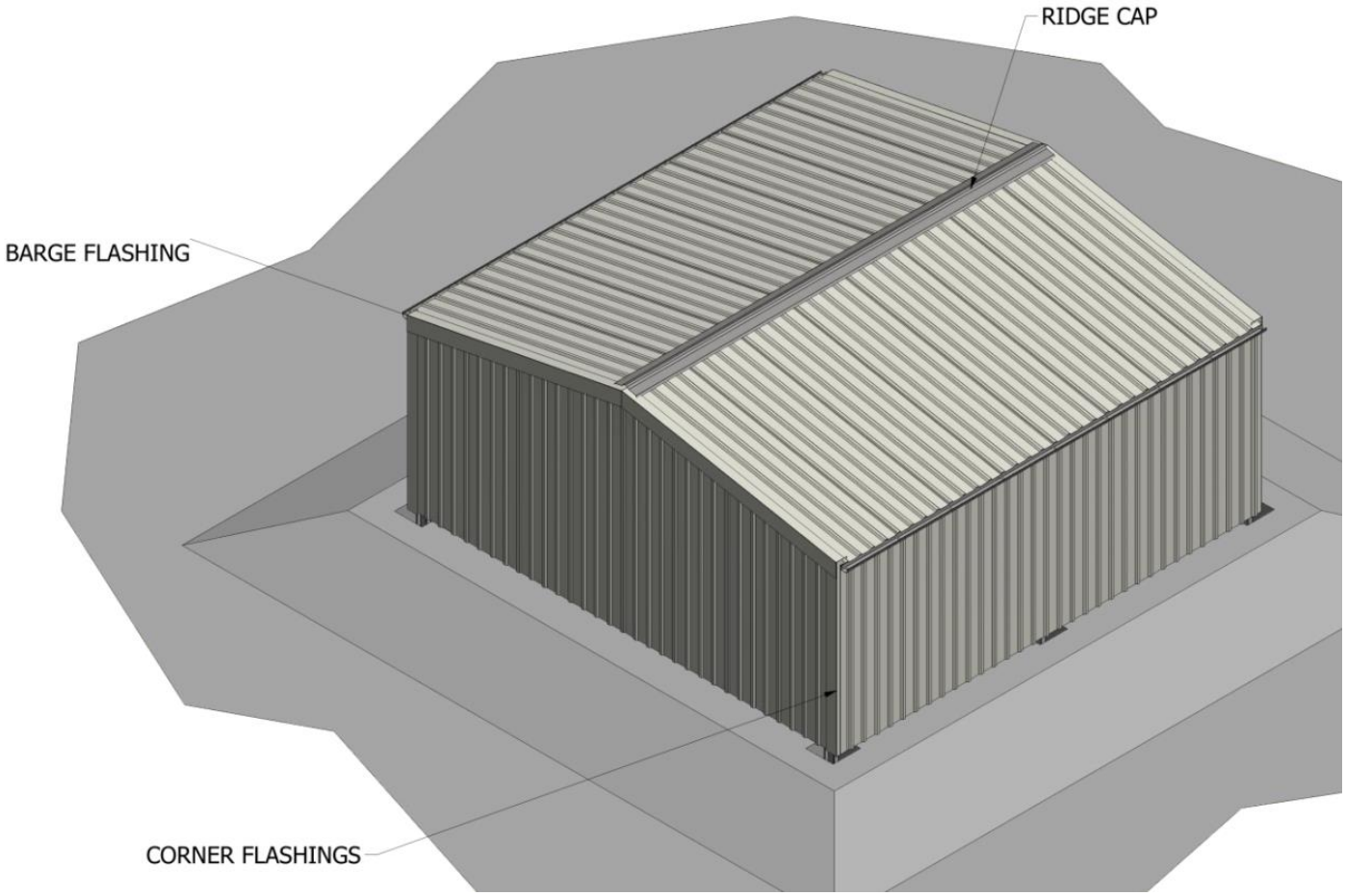
4.6. ROOF CLADDING INSTALLATION

Once all the roof purlins are installed, the roof cladding can be fastened. The cladding configurations used are shown in section 10.1.



4.7. FLASHINGS INSTALLATION

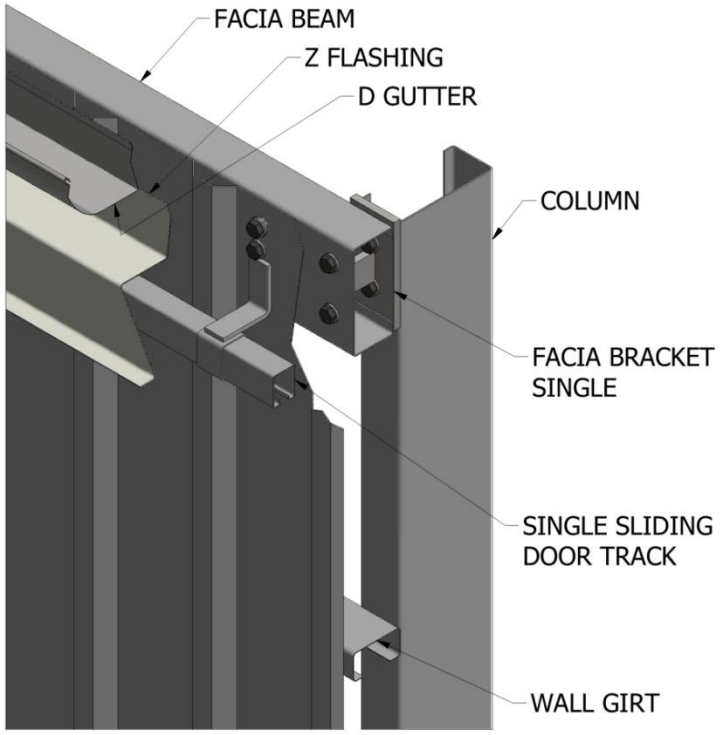
The final step is the installation of the flashings to the shed. This flashings can be



5. SIDE WALLS

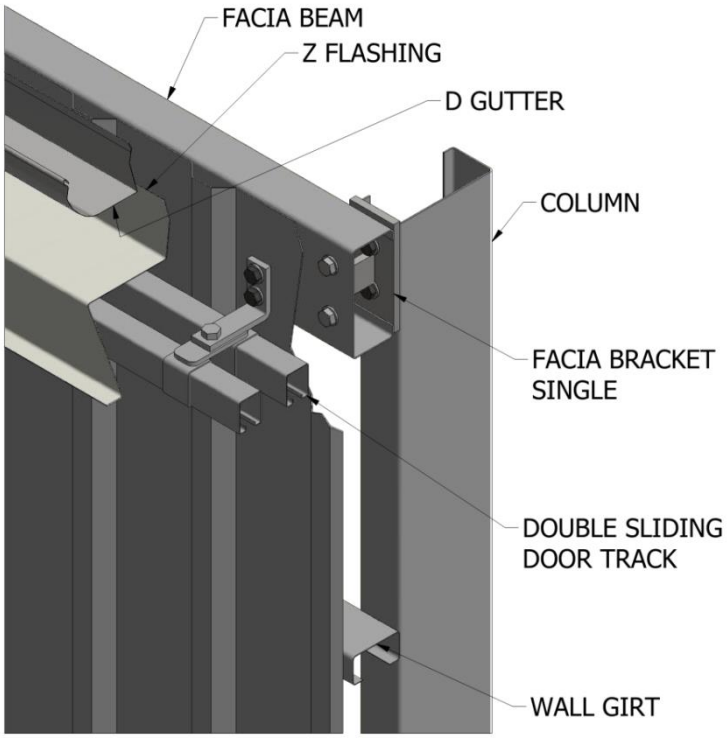
5.1. FACIA BEAMS

5.1.1. SINGLE SLIDING



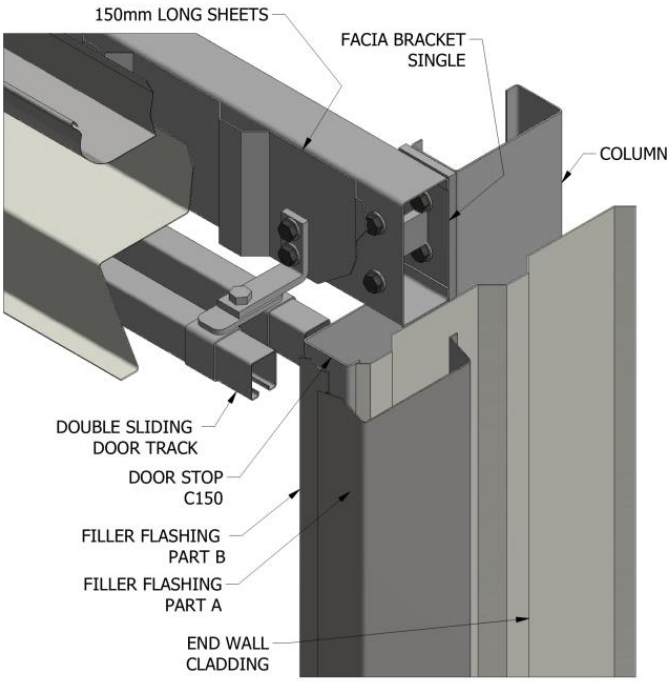
SIDE WALL
DOUBLE SLIDING DOOR

5.1.2. DOUBLE SLIDING

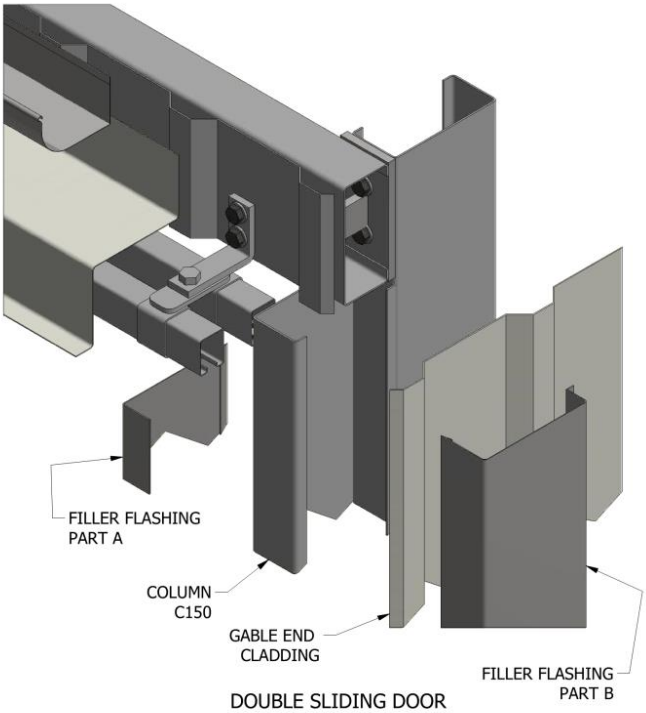


SIDE WALL
DOUBLE SLIDING DOOR

5.1.3. Double Sliding – Filler Stop

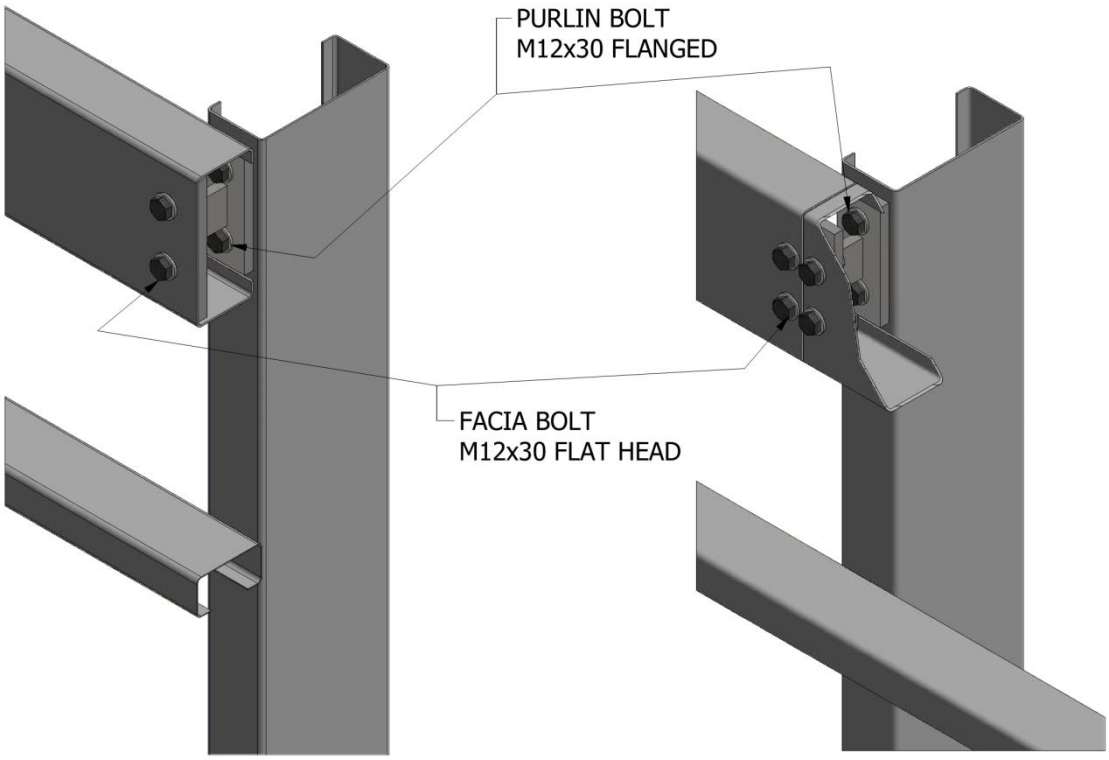


DOUBLE SLIDING DOOR SIDE WALL DOOR STOP



DOUBLE SLIDING DOOR SIDE WALL DOOR STOP

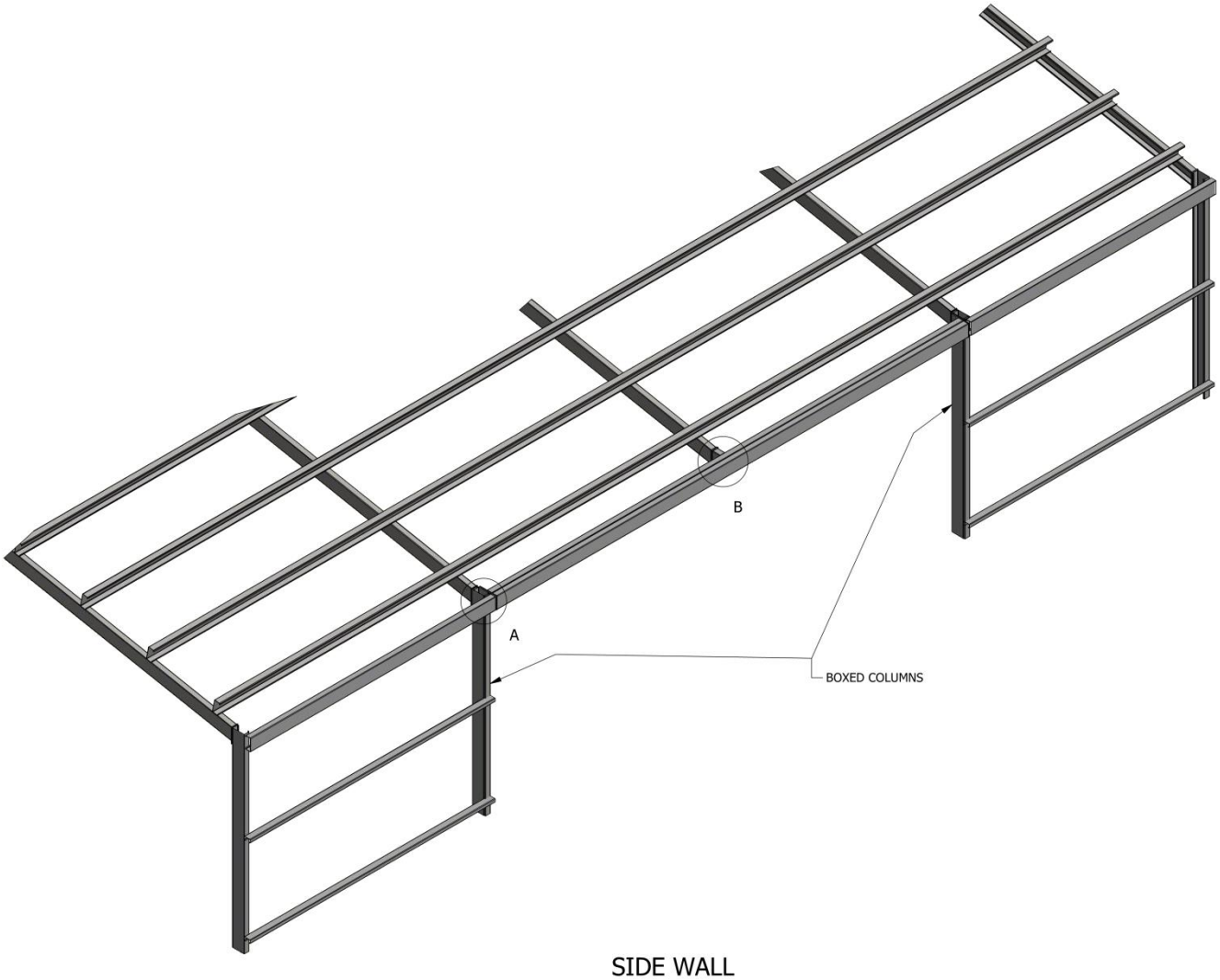
5.1.4. Facia Brackets



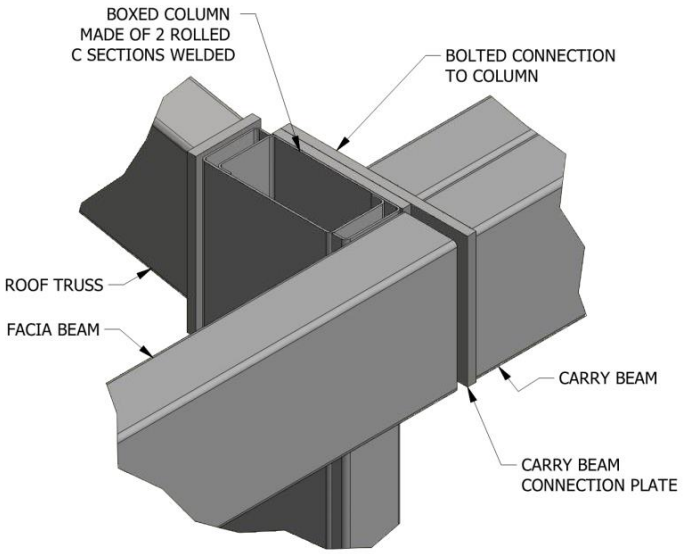
FACIA BRACKET SINGLE

FACIA BRACKET DOUBLE

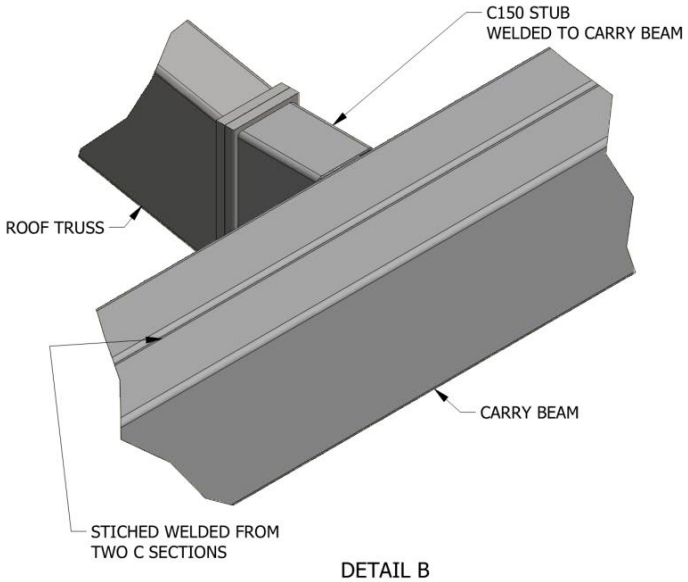
5.1.5. SIDE WALL CARRY BEAM



SIDE WALL
CARRY BEAM CONFIGURATION



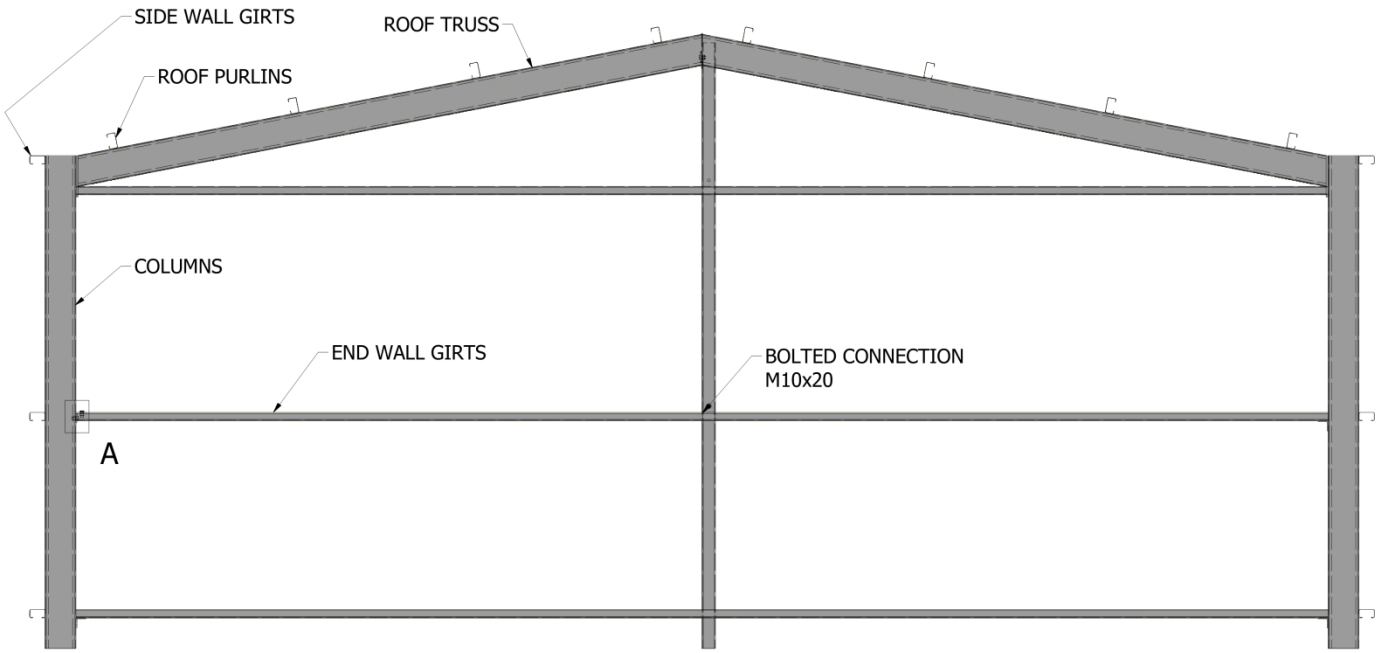
DETAIL A



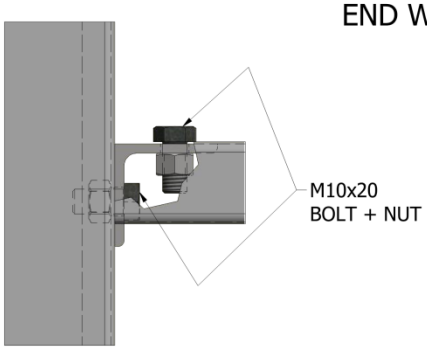
DETAIL B

6. GABLE END WALLS

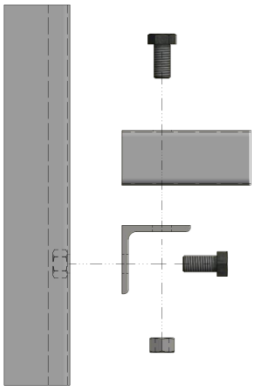
6.1. END WALL CENTRE BACKS



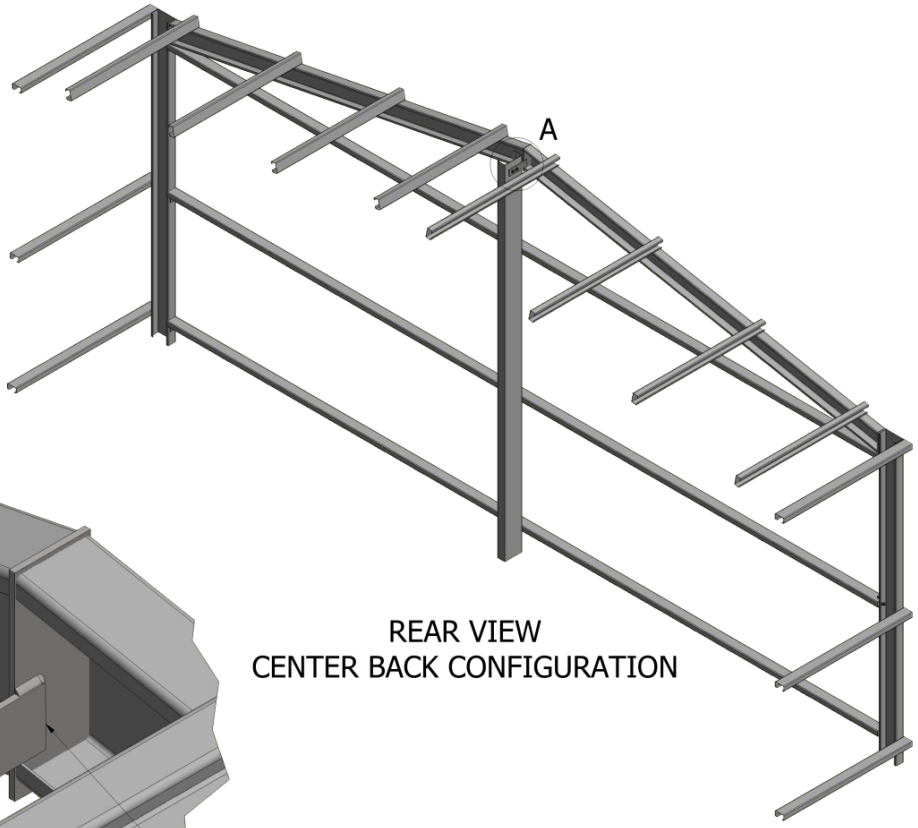
END WALL LAYOUT



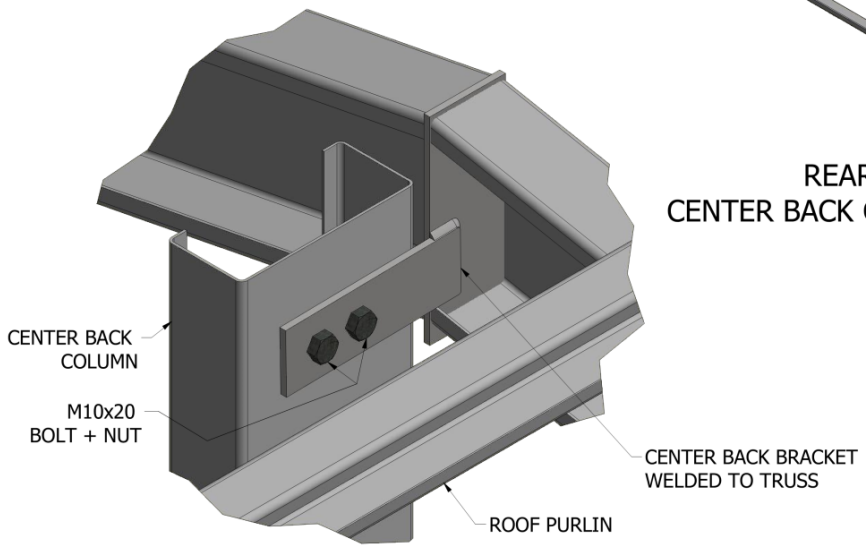
DETAIL A
END WALL GIRT CONNECTION
CONNECTION



DETAIL A
(EXPLODED VIEW)

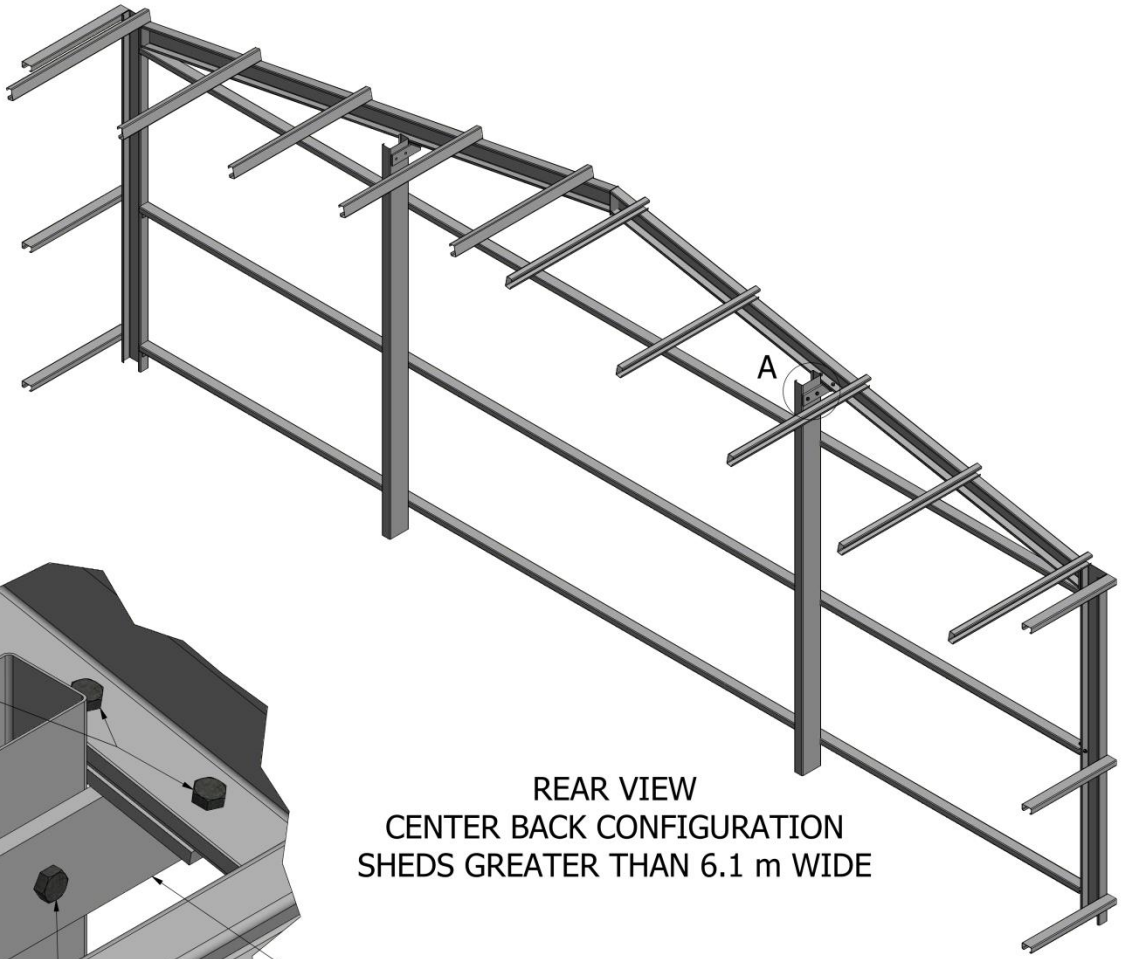


REAR VIEW
CENTER BACK CONFIGURATION

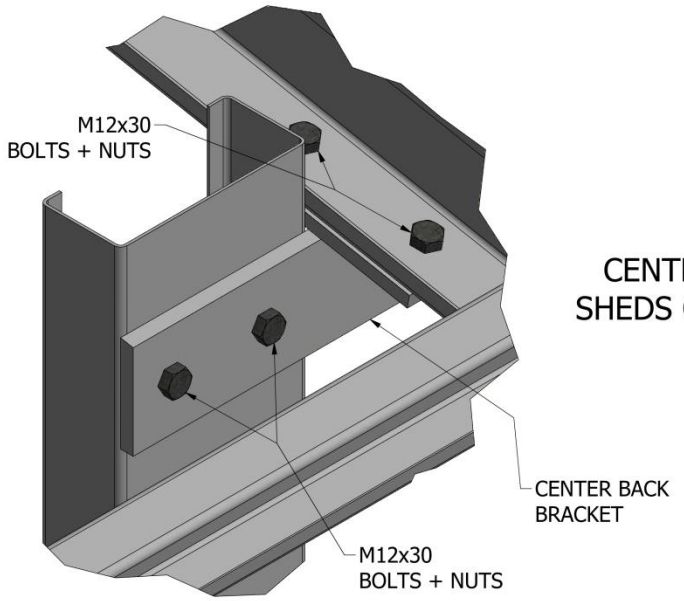


DETAIL A
TRUSS TO CENTERBACK CONNECTION

6.2. END WALL CENTRE BACKS – LARGER THAN 6100



REAR VIEW
CENTER BACK CONFIGURATION
SHEDS GREATER THAN 6.1 m WIDE

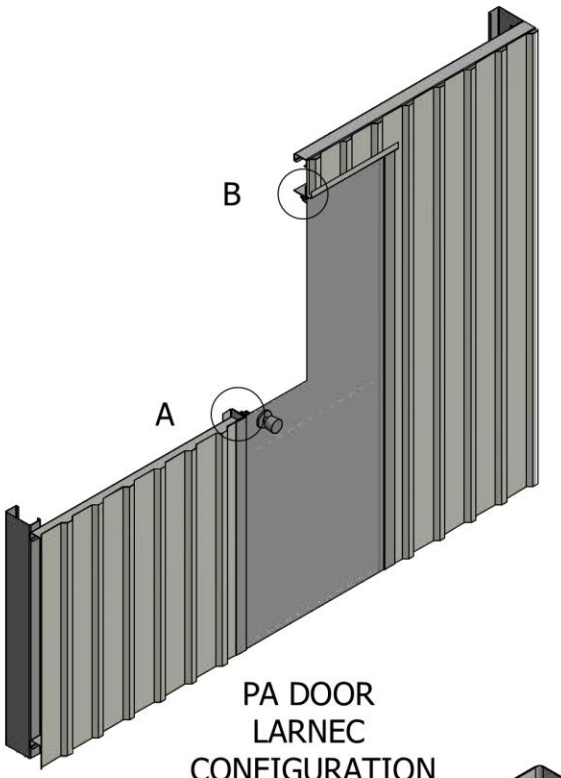


DETAIL A
TRUSS TO CENTERBACK CONNECTION

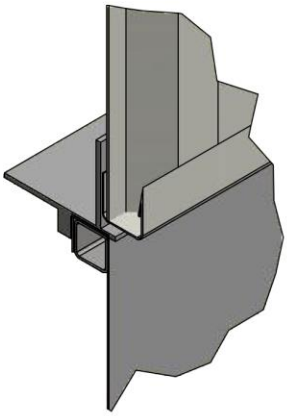
7. DOORS

7.1. PA DOORS

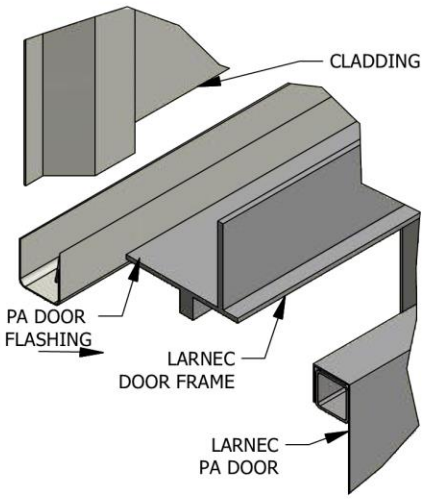
7.1.1. LARNEC PA DOORS



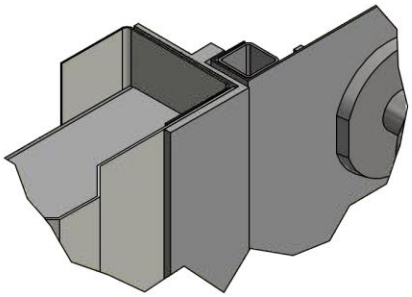
PA DOOR
LARNEC
CONFIGURATION



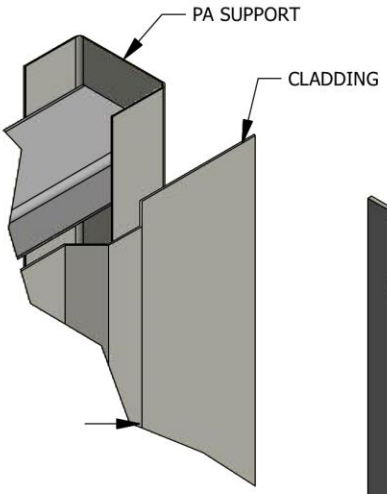
DETAIL B

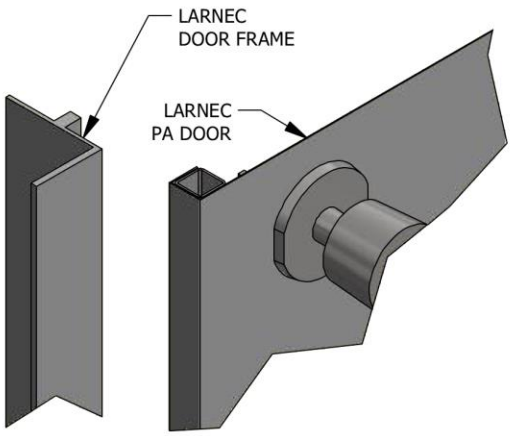


DETAIL B
EXPLODED VIEW



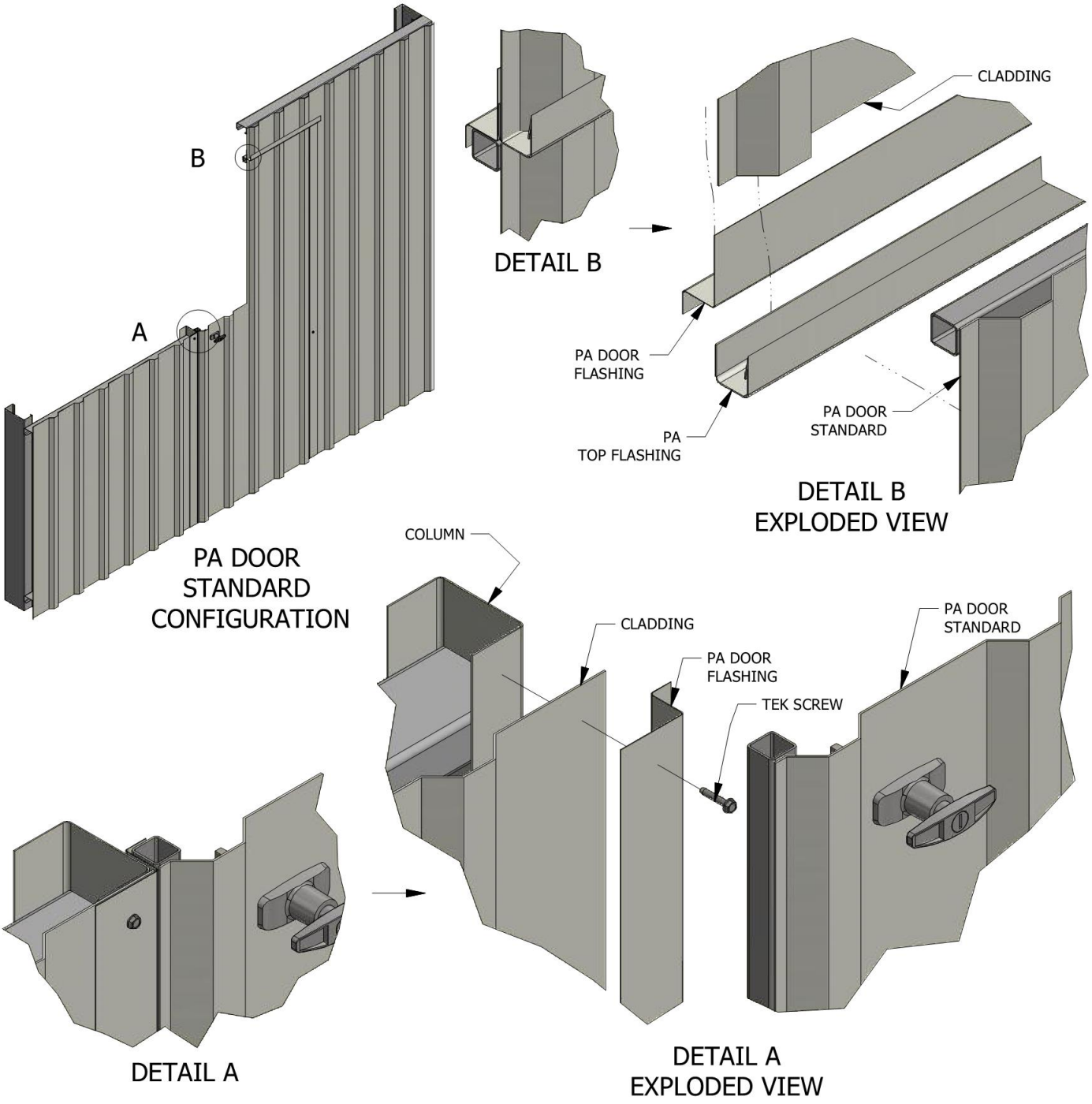
DETAIL A



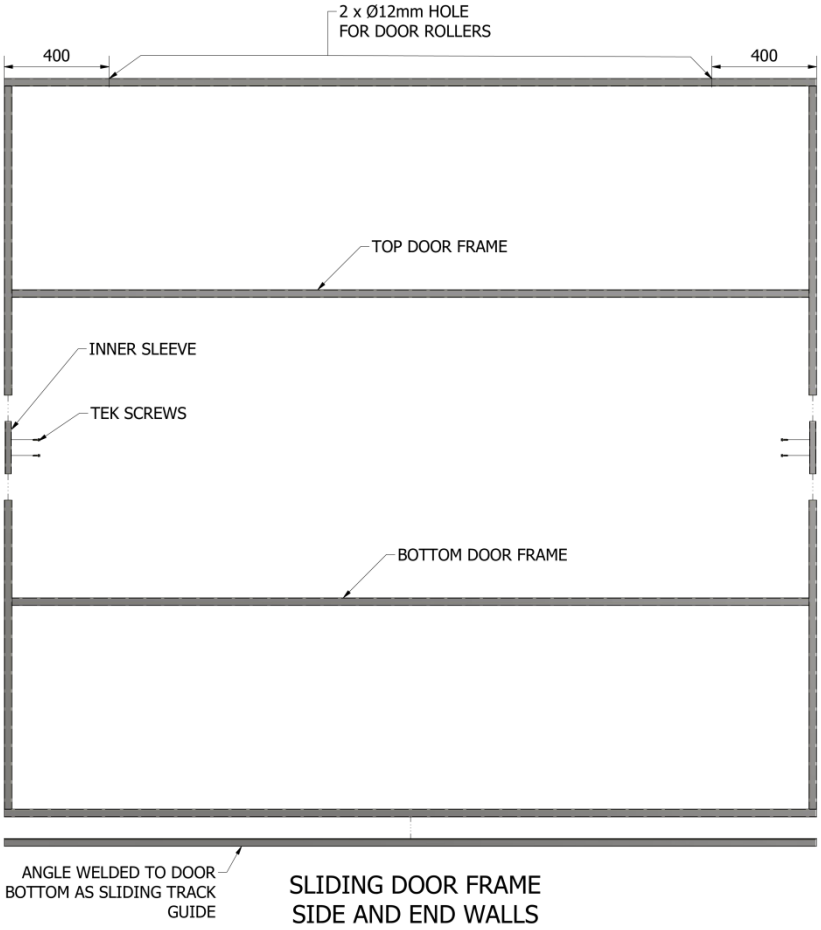


DETAIL A
EXPLODED VIEW

7.1.2. STANDARD CONFIGURATION

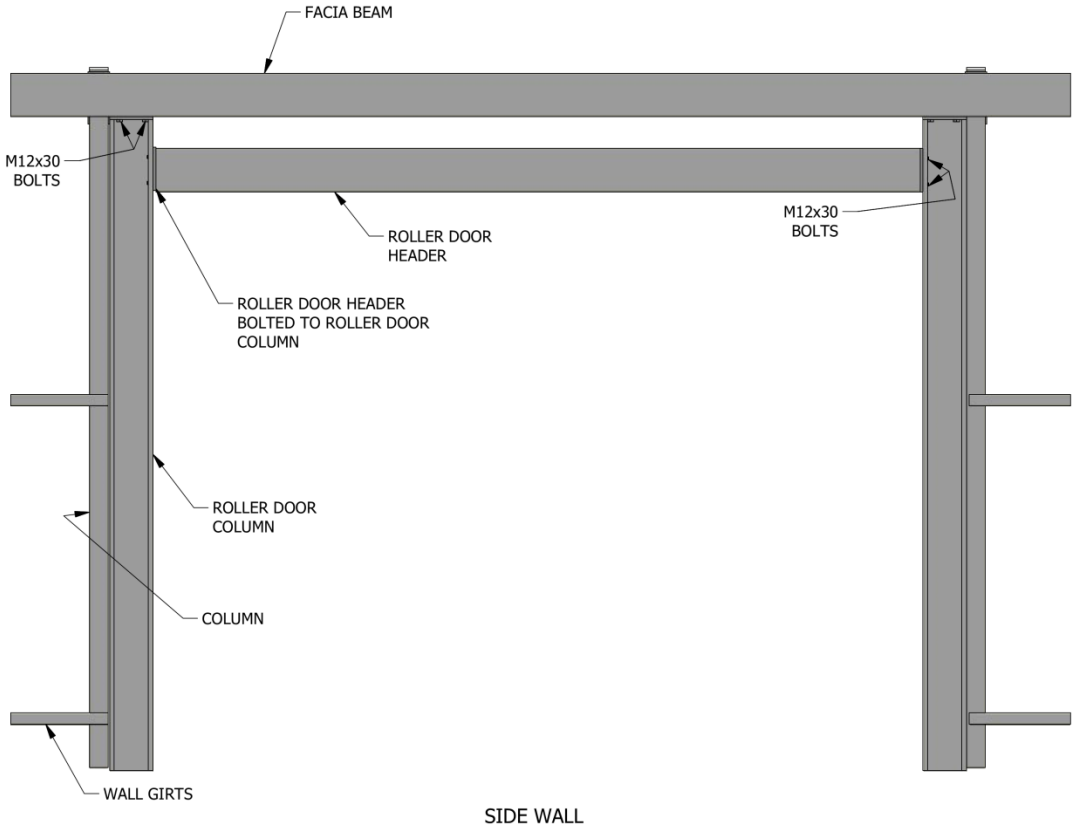


7.2. SLIDING DOORS



SLIDING DOOR FRAME
SIDE AND END WALLS

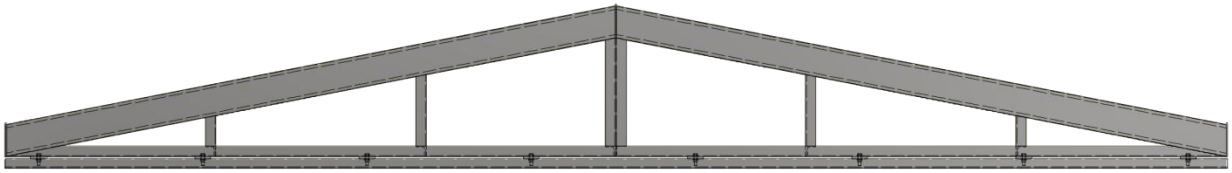
7.3. ROLLER DOOR – SIDE WALL



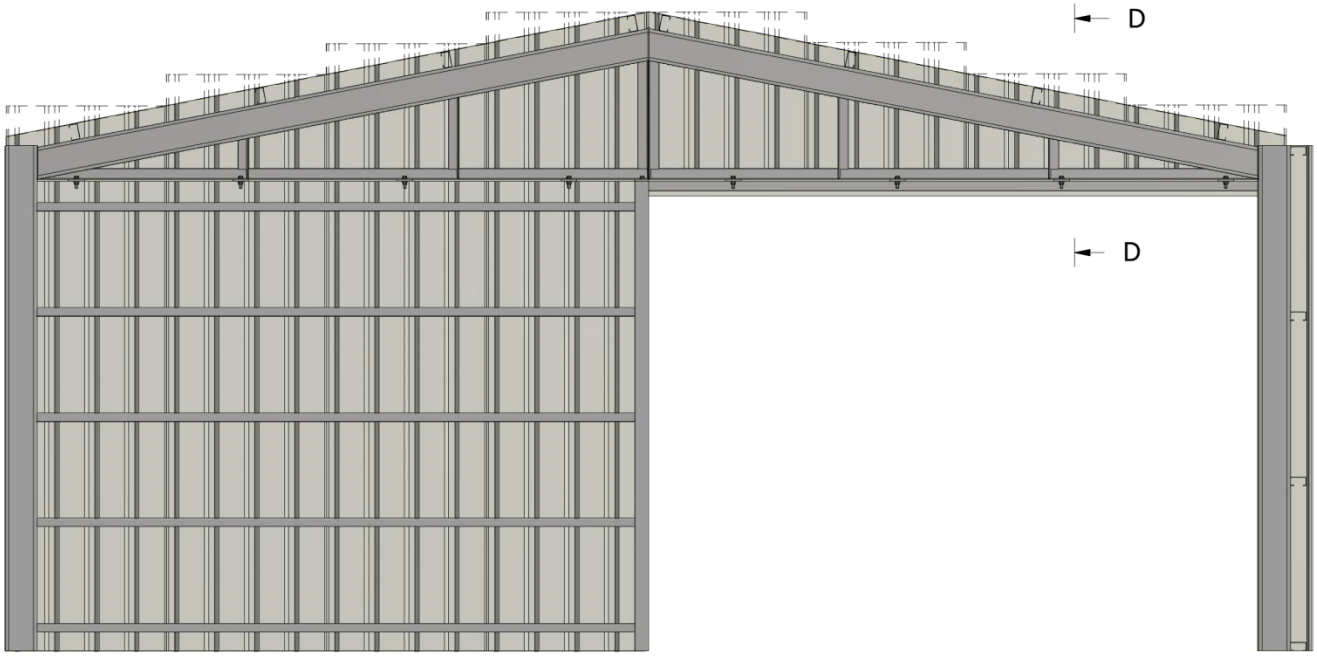
SIDE WALL
ROLLER DOOR CONFIGURATION

7.4. GABLE END DOORS

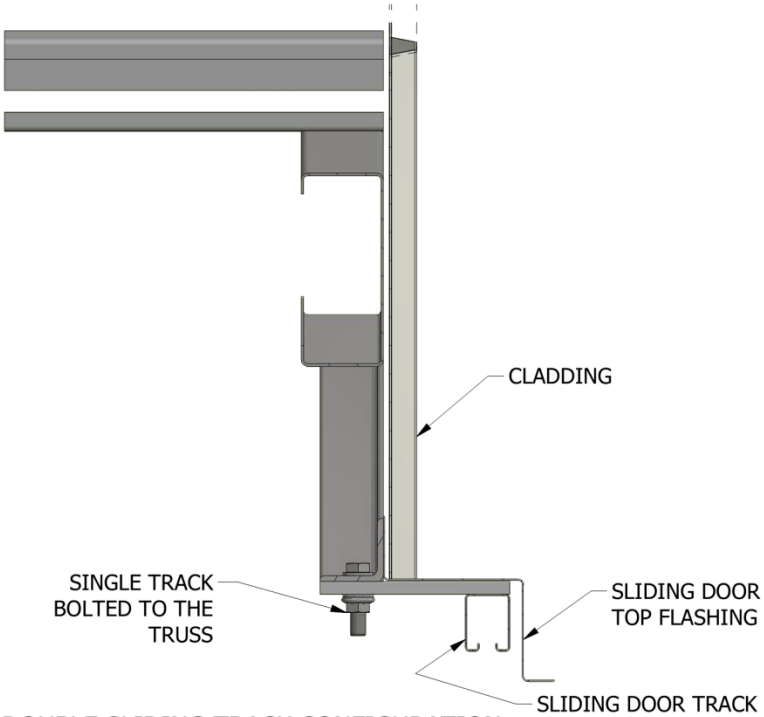
7.4.1. FRONT TRUSS SETUP – SLIDING DOORS - SINGLE TRACK



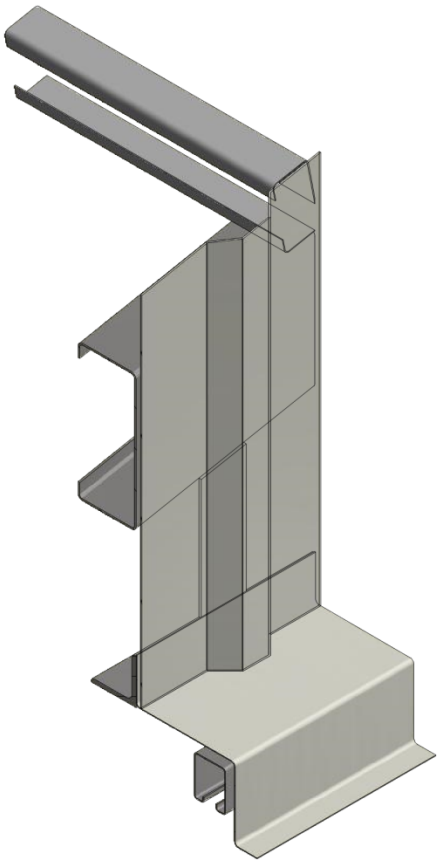
FRONT TRUSS - BOLTED TRACK
(SLIDING DOORS)



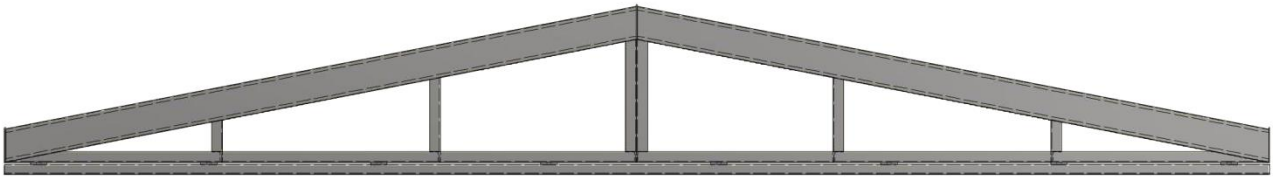
GABLE END
SINGLE SLIDING DOOR



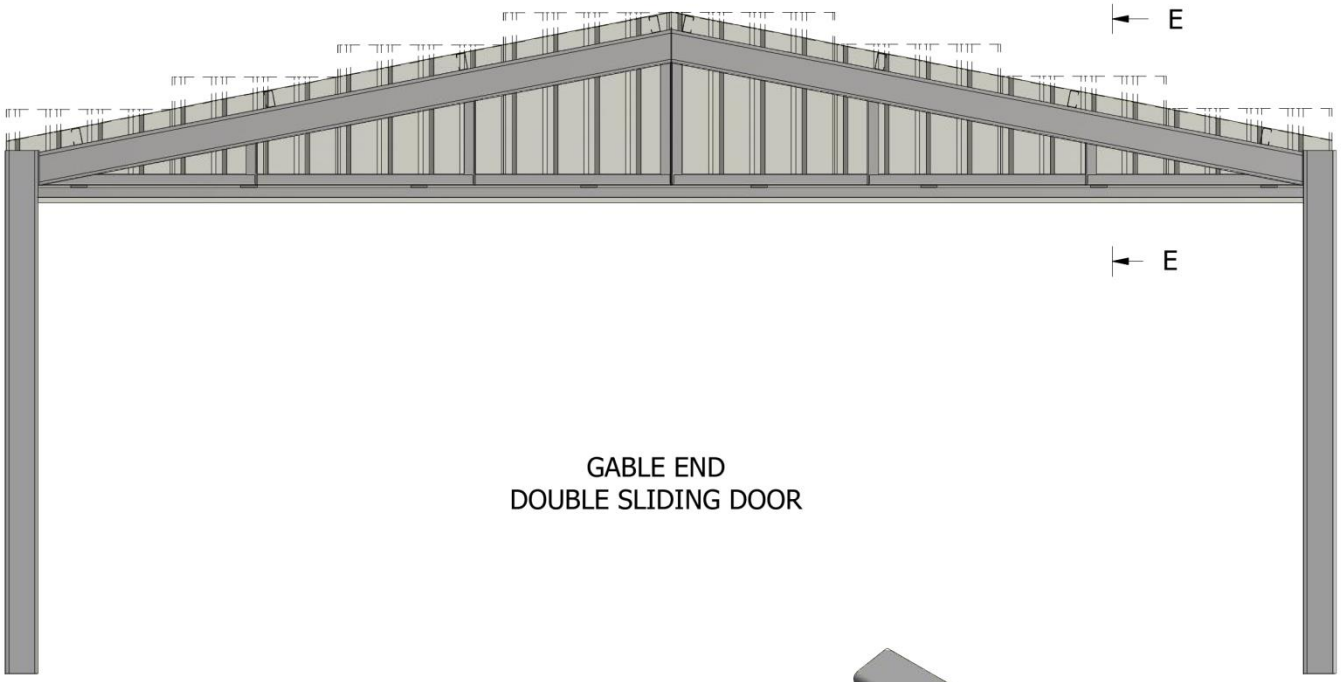
DOUBLE SLIDING TRACK CONFIGURATION
SECTION: D-D



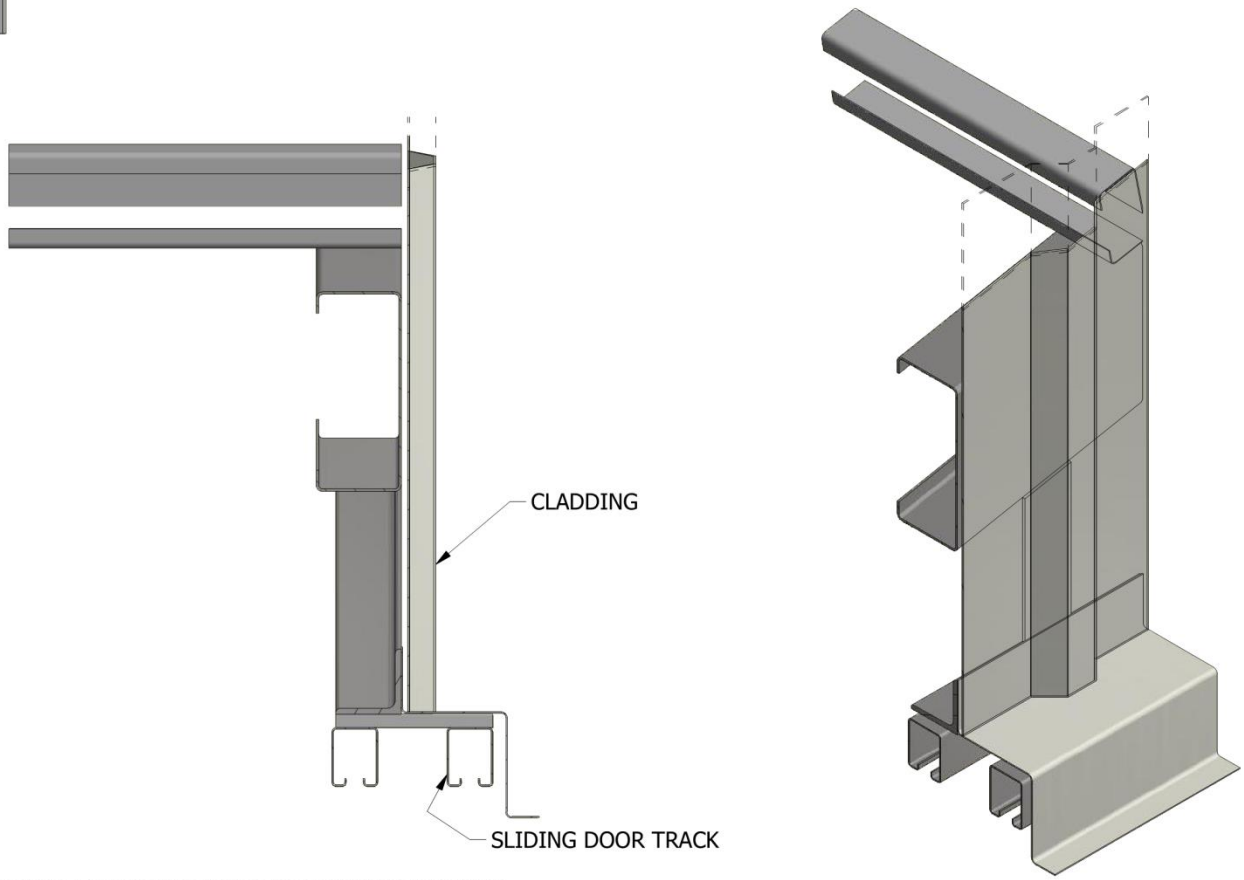
7.4.2. FRONT TRUSS SETUP – SLIDING DOORS – DOUBLE TRACK



FRONT TRUSS - WELDED TRACK
(DOUBLE SLIDING DOORS)

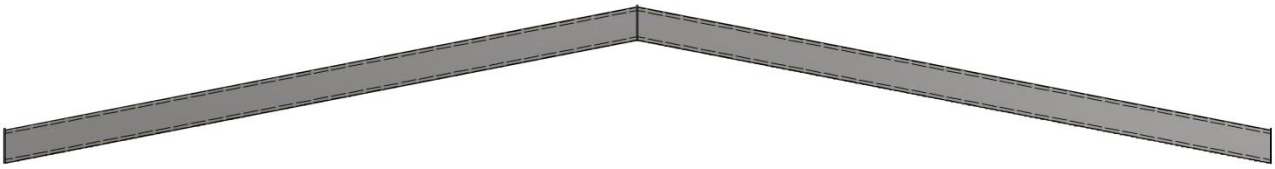


GABLE END
DOUBLE SLIDING DOOR

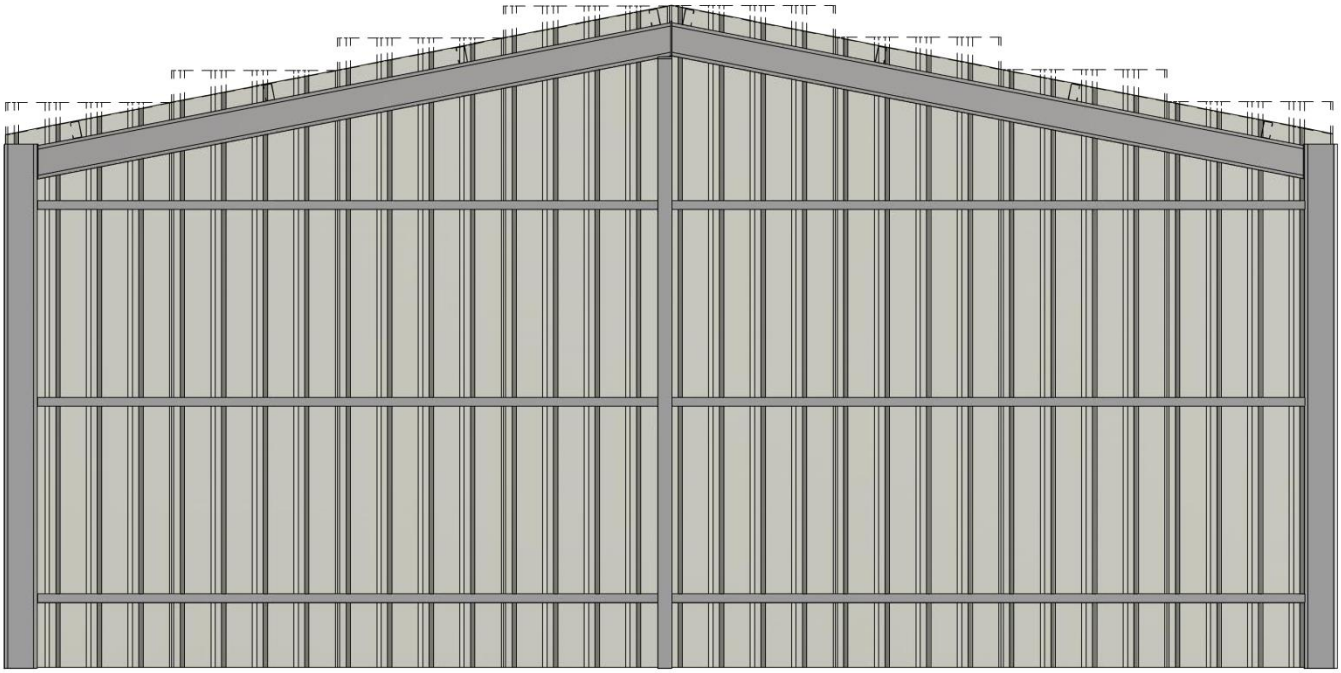


DOUBLE SLIDING TRACK CONFIGURATION
SECTION: E-E

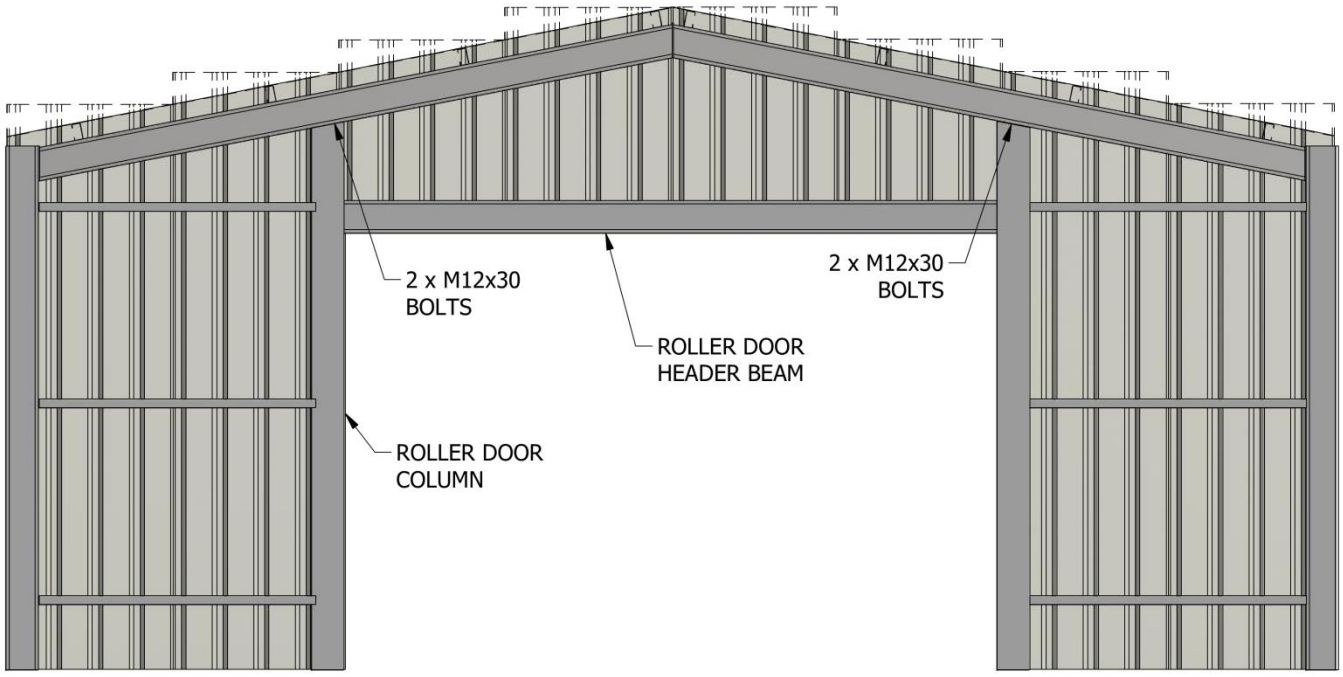
7.4.3. Rear Truss Setup – Roller Doors



PLAIN INT TRUSS

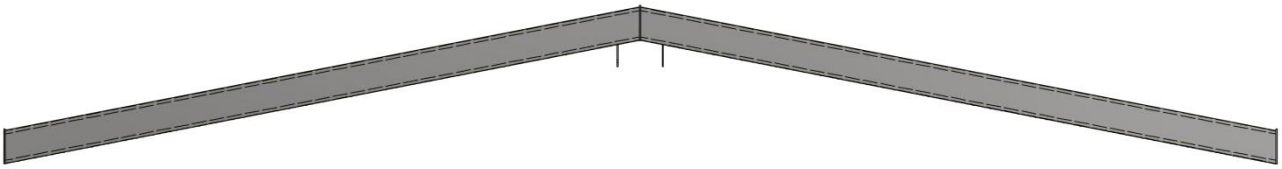


PLAIN GABLE END
(NO DOOR)

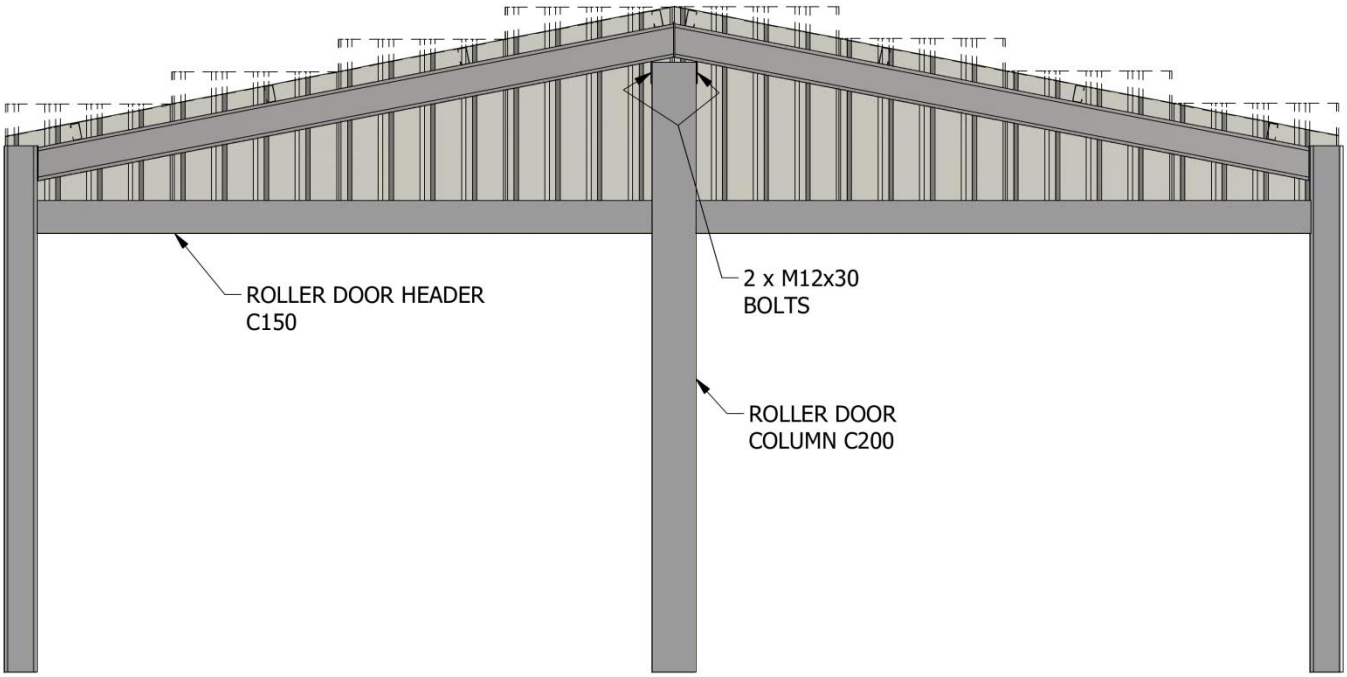


GABLE END
ROLLER DOOR

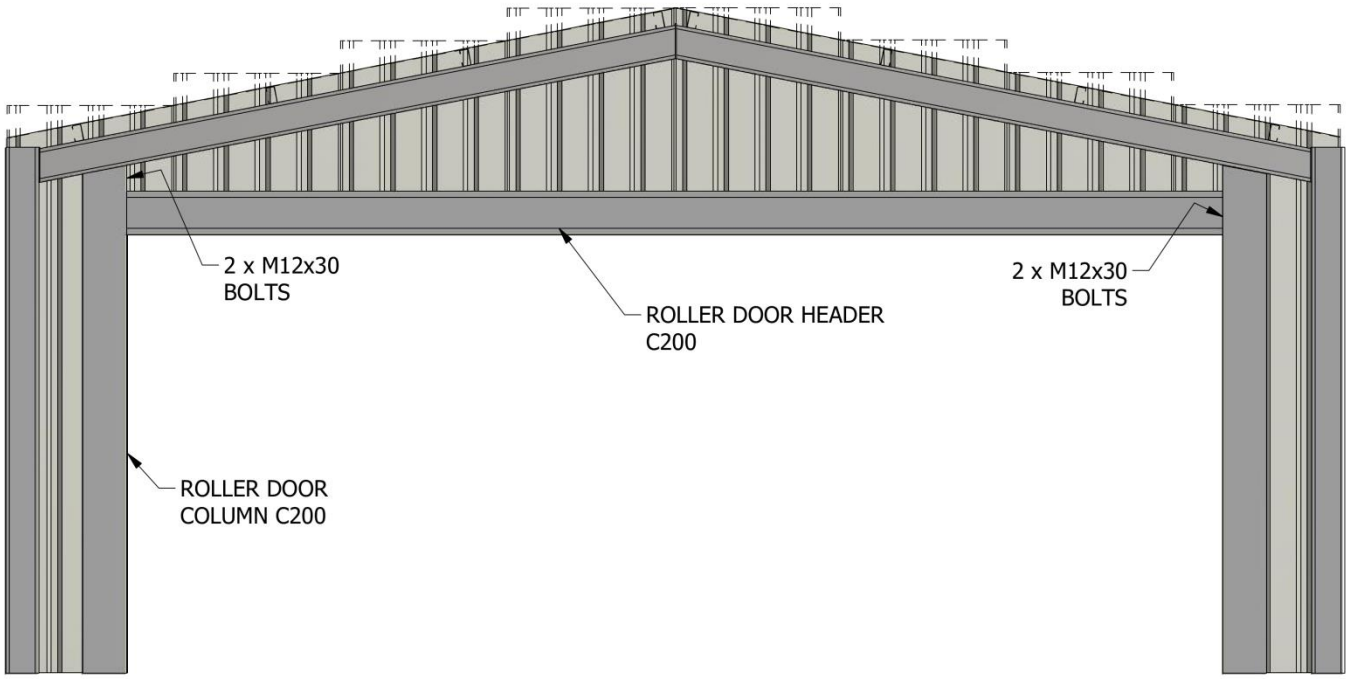
7.4.4. FRONT TRUSS – ROLLER DOORS



INT TRUSS
DOUBLE ROLLER



GABLE END
DOUBLE ROLLER DOOR



GABLE END
LARGE ROLLER DOOR

8. WINDOWS

8.1. STANDARD WINDOW

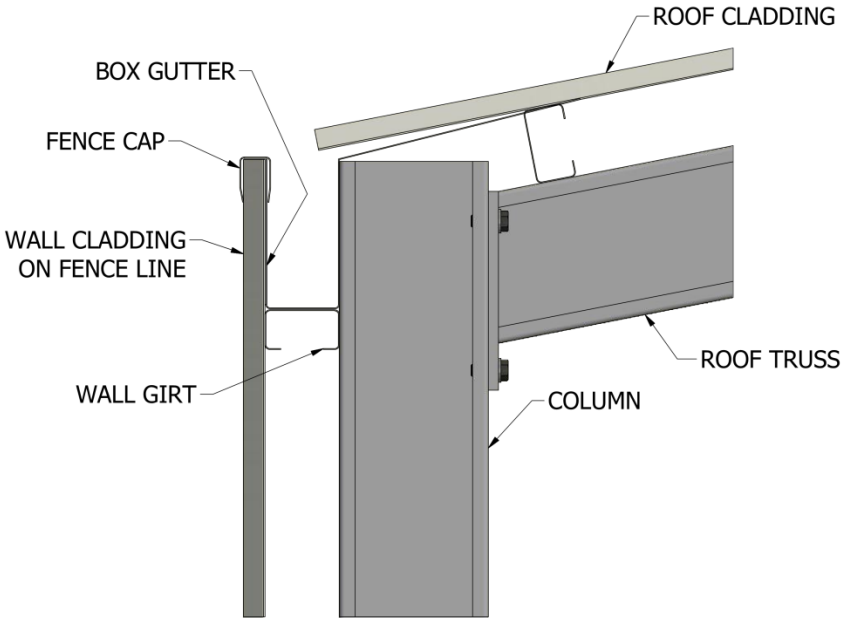
WINDOW SETUP

Notes:

- Window and aluminium doors are made to suit wall cladding the flange of the window will screw off to the flutes of the wall cladding.
- Windows and aluminium doors can be fitted after the walls have been stood up and cladded.
- Top window flashing to go behind the wall cladding.

9. GUTTERS

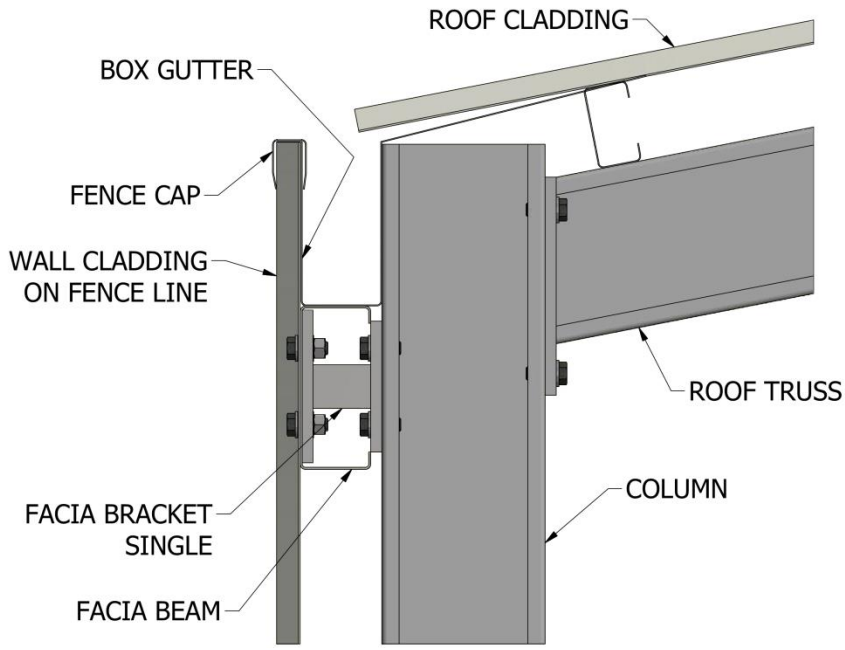
9.1. BOUNDARY GUTTER – STANDARD



Notes:

- For the outlet end of the box gutter, allow the box gutter to protrude past the outside of the column. This allows you to fit the down pipe (either PVC or steel).

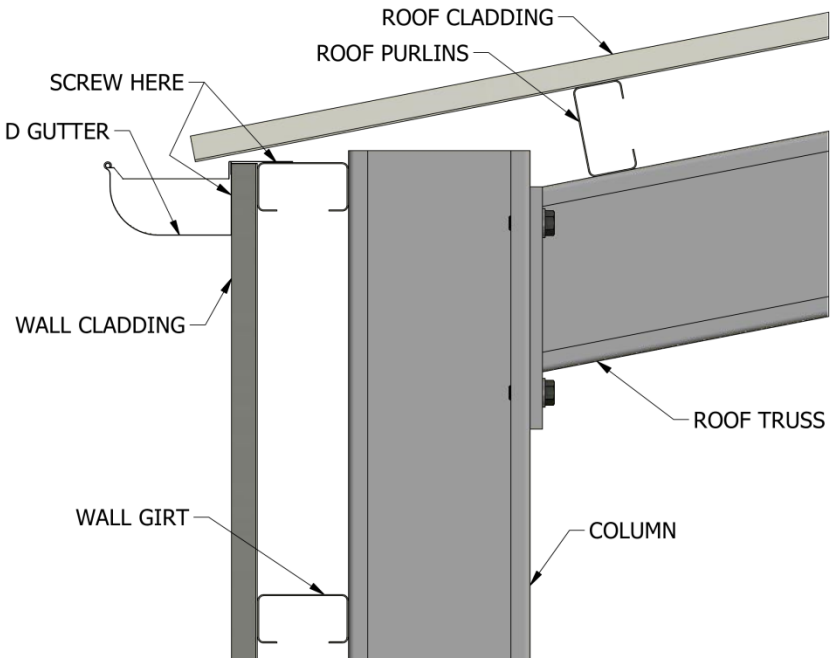
9.2. BOUNDARY GUTTER - GARAPORT



Notes:

- For the box gutter end without the down pipe, the box gutter must be cut and folded to stop the flow of water. Use pop rivets and silicon.

9.3. STANDARD GUTTER INSTALLATION

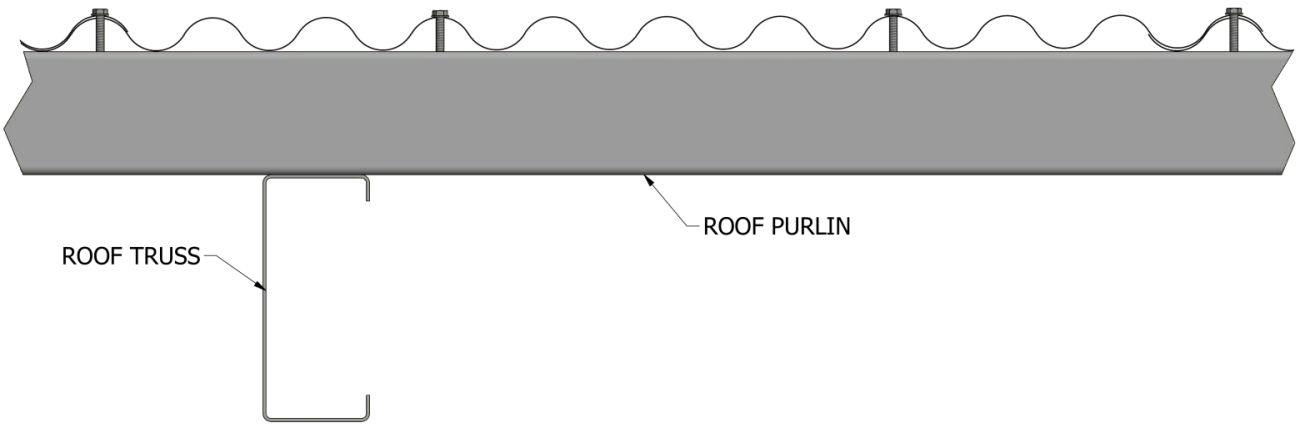


Notes:

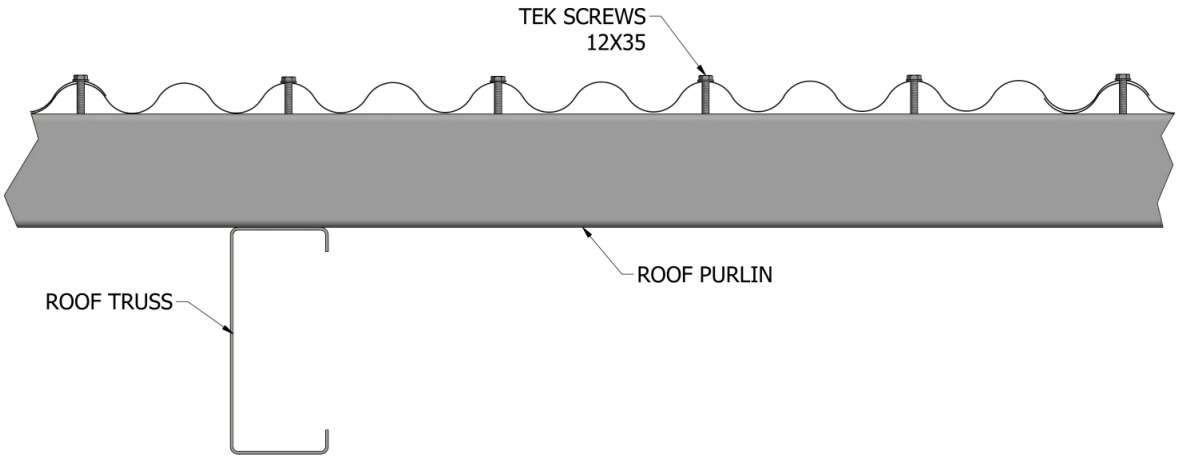
- Always allow fall on your gutter 20mm is normally enough from 1 end to the other.
- The gutter stop ends provided, are to be riveted and silicone to the ends of the gutter.
- When fitting the gutter, screw the back of the gutter to flutes of wall cladding, 1 screw per wall cladding sheet is sufficient. Then clip the gutter to the gutter brackets and screw the gutter brackets to the top of the wall girts.
- The length of your gutter must go past your column.
- Allow for the depth of the wall cladding and also the fold depth of your barge flashing and roof cladding. For example; Trim Deck height (25mm) + fold of barge flashing (55mm).

10. CLADDING

10.1. ROOF CLADDING

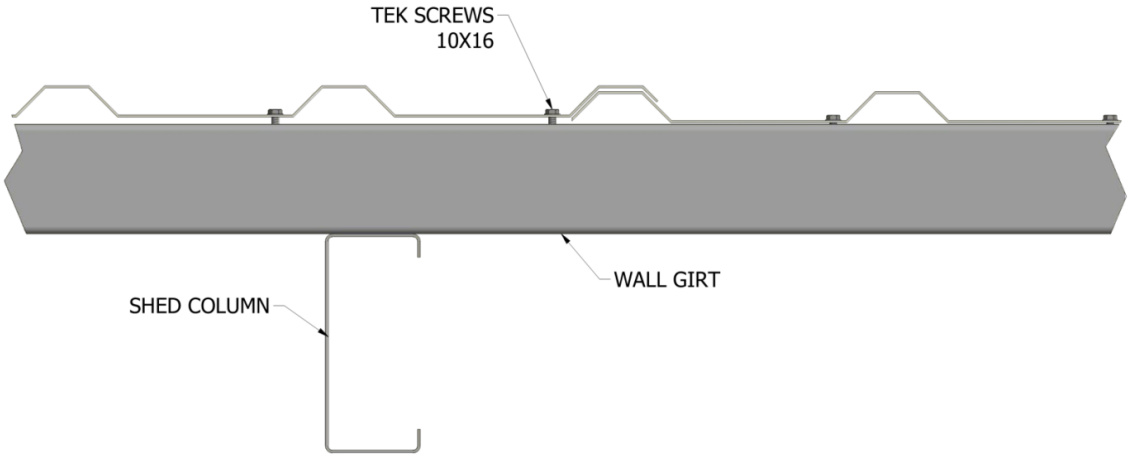


ROOF CLADDING FASTENER SPACINGS
INTERMEDIATE ROWS

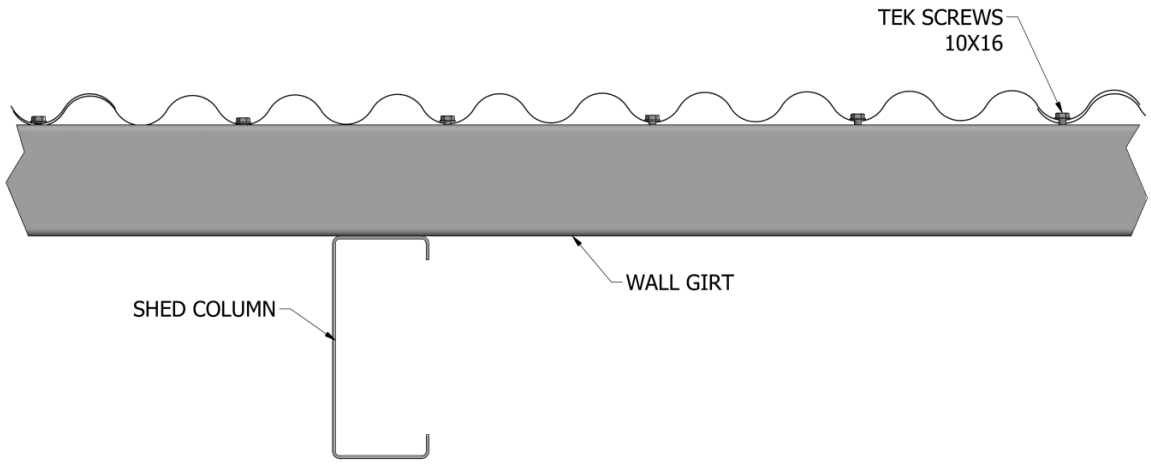


ROOF FASTENER SPACING
BOTTOM ROW ONLY

10.2. WALL CLADDING



SIDE WALL
TRIMDECK CONFIGURATION



SIDE WALL
CORRO CONFIGURATION

BARGAIN STEEL CENTRE .COM.AU

8280 6000

Lot 10 Heaslip Road, Burton