



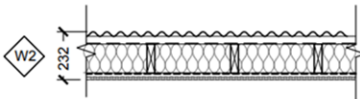
Amendment No. 013

Technical Question and Answer

#	Question	Response
1	<p>1. I had a look through the drawings and the spec. There is a lot of information that contradicts itself. Below on the roof assembly it looks as though they are referring to a 29/28 gauge exposed fastener system which would be Ultravic from us but the specs read very different. Lots of information below but the products are priced very differently.</p> <p style="text-align: center;"><u>ROOF ASSEMBLY TYPES</u></p> <div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;">  </div> <div> <p>ROOF ASSEMBLY- NON-RATED 0.34mm HI-RIB STEEL c/w SCREW FASTENERS 38 x 89MM WOOD STRAPPING AT 610mm c/c PRE-ENGINEERED WOOD TRUSSES SPACED AT 1220mm c/c RSI: 7.04 BLOWN-IN INSULATION 0.1524 mm POLY VAPOUR BARRIER 38 X 89mm WOOD STRAPPING AT 610MM c/c 13mm INTERIOR PVC PANEL CEILING (/16mm GYPSUM BOARD/ ACT- SEE RCP)</p> </div> </div> <div style="display: flex; align-items: flex-start; margin-top: 20px;"> <div style="margin-right: 20px;">  </div> <div> <p>1 HR FIRE-RATED ROOF ASSEMBLY- OFFICE AREA 0.34mm HI-RIB STEEL c/w SCREW FASTENERS 38 x 89MM WOOD STRAPPING AT 610mm c/c PRE-ENGINEERED WOOD TRUSSES SPACED AT 1220mm c/c RSI: 7.04 BLOWN-IN INSULATION 0.1524 mm POLY VAPOUR BARRIER 38 X 89mm WOOD STRAPPING AT 610MM c/c 2 LAYERS OF TYPE X GYPSUM BOARD 13mm INTERIOR PVC PANEL CEILING (/16mm GYPSUM BOARD/ ACT- SEE RCP)</p> </div> </div>	<p>For all of these 7 questions, see Addendum 09 including three revised Sections of Specification Set 2</p>

2	<p>2. In the specs it refers to the material being 0.43 (26 gauge).</p> <p><u>PART 2 - PRODUCTS</u></p> <p><u>2.1 SHEET METAL MATERIALS</u></p> <p>.1 Zinc coated steel sheet: to ASTM A653/A653M, commercial quality, with Z275 coating, regular spangle surface, prefinish as specified in 2.2, 0.43 mm minimum base metal thickness.</p>	see Addendum 09 including three revised Sections of Specification Set 2
3	<p>3. In section 3.1 .1 it says to use concealed fasteners but Ultravic is an exposed fastener system.</p> <p><u>PART 3 - EXECUTION</u></p> <p><u>3.1 INSTALLATION</u></p> <p>.1 Use concealed fastenings except where approved by Departmental Representative before installation.</p>	see Addendum 09 including three revised Sections of Specification Set 2

4	<p>'4. From there it goes to 3.2 where it discusses Standing Seam 29/28 gauge with a 1" rib. That would be our Regency profile. It is a concealed fastener. It has to go on sheathing without strapping but I know you are following up on that one already.</p> <p><u>3.2 STANDING SEAM ROOFING</u></p> <p>.1 Use 0.34 mm thick prefinished steel, panel size as indicated, to make roofing with standing seams without straight run of standing seam exceeding 10 m.</p> <p>.2 Fold lower end of each pan under 20 mm. .1 Slit fold 25 mm away from corner to form tab where pan turns up to make standing seam. .2 Fold upper end of each pan over 50 mm. .3 Hook 20 mm fold on lower end of upper pan into 50 mm fold on upper end of underlying pan.</p> <p>.3 Apply sheet metal roofing beginning at eaves. Loose lock pans to valley flashing and edge strips at eaves and gable rakes.</p> <p>.4 Finish standing seams 25 mm high on flat surfaces. Bend up one side edge 40 mm and other 45 mm.</p>	see Addendum 09 including three revised Sections of Specification Set 2
5	<p>'5. Under sheet metal flashing and trim is asking for the trim to be 24 gauge which is a lot heavier than 29/28 gauge. Is that the correct information? I just want to make sure the correct materials get quoted.</p> <p><u>PART 2 - PRODUCTS</u></p> <p><u>2.1 SHEET METAL MATERIALS</u></p> <p>.1 Zinc coated steel sheet: 0.60 mm thickness, commercial quality to ASTM A653/A653M, with Z275 designation zinc coating.</p>	see Addendum 09 including three revised Sections of Specification Set 2

6	<p>'6. The siding has differences as well. I believe the panel they are looking for is corrugated based on the drawing but again the spec reads very different. The spec describes a panel that has a 1 ½" rib that is possibly hidden fastener. I am not aware of anything like that on the market.</p> <p><u>PART 2 - PRODUCTS</u></p> <p><u>2.1 STEEL CLADDING AND COMPONENTS</u></p> <p>.1 Steel siding: Fabricated from commercial grade to ASTM A653/A653M with Z275 zinc coating:</p> <p>.1 Profile: vertical, 39 mm deep, preformed interlocking joints, fastener holes prepunched.</p> <p>.2 Pattern: corrugated pattern surface.</p> <p>.3 Finish coating: factory pre-coated with modified silicone paint finish, 2 coat system dry paint film thickness of 0.025 mm.</p> <p>.4 Colour: colour selected by Departmental Representative.</p> <p>.5 Back coating: ASTM A653/A653M, grade A, Z275 coating designation.</p> <p>.6 Gloss: medium.</p> <p>.7 Thickness: 0.34 mm base metal thickness.</p>	see Addendum 09 including three revised Sections of Specification Set 2
7	<p>'7. The drawings refer to 22mm (7/8" corrugated) in 28/29 gauge.</p>  <p><u>EXTERIOR SIDE WALL - TYPICAL</u> w/ INTERIOR PVC FINISH</p> <p>22mm PRE-FINISHED METAL SIDING (0.34mm STEEL) c/w SCREW FASTENERS 38 x 89mm HORIZONTAL WOOD STRAPPING AT 610 mm c/c SHEET AIR BARRIER 38 X 140mm WOOD STUDS SPF No.1/2 SPACED AT 406mm c/c RSI: 3.87 MINERAL WOOL BATT INSULATION 0.1524 mm POLY VAPOUR BARRIER 19 X 89mm HORIZONTAL WOOD STRAPPING AT 406 mm c/c 13mm PVC PANEL (VERTICAL)</p>	see Addendum 09 including three revised Sections of Specification Set 2