

Spaces suitable only when roof sheets needs to be replaced.

**FIXING KLIPLOK 700**

The KLIPLOK 700™ sheets shall be fixed to every purlin by means of patented KL700 clips having spurs which will securely hold the sheets in position and lock-in the sheets and both centre ribs. The KL700 clips shall be manufactured from Galvalume steel and shall be fixed with the appropriate self-drilling tapping screws to steel purlins (selection from installation manual) OR with ZAP nos. 10x45mm Washers and cones type 17 to timber purlins.

**KLIPLOK 700™ FLASHINGS**

Flashings conforming shall tie to the Global Roofing Solutions standards and fixed to the sheeting with S10 brackets or Sliding brackets at gaps where roof sheets are 30m or longer, to create any desired fixing perforations. Prior to flashings being fixed, all troughs of the apex shall be sloped to the full depth of the sheet in order to prevent any penetration of wind-blown water. The trough shall be fixed at the eaves end to form a drip. Transverse flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from Global Roofing Solutions.

**INSTALLATION**

Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheetting which has become deformed or damaged in any way should be replaced. Care shall be taken to ensure that no sheeting or flashing will be cut with excessive discs on roof surfaces in order to prevent steel purlins from generating coated surfaces.

**HANDLING AND STORAGE**

The contractor shall ensure that all materials used on site for roofing/shedding, be transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction.

**KL700 p2**

**INSPECTION PRIOR TO INSTALLATION**

Before commencing installation, the contractor shall verify that the following items have been checked and accepted:

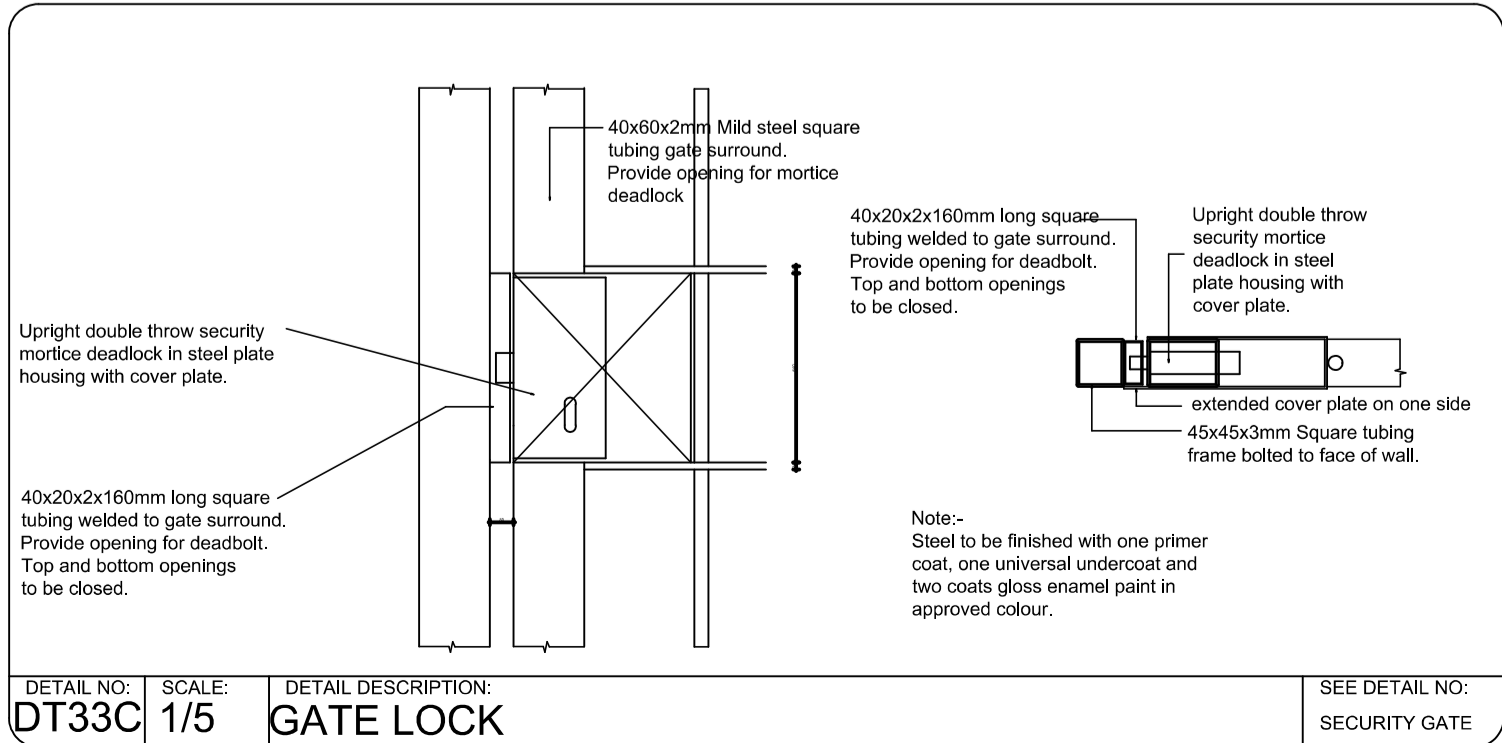
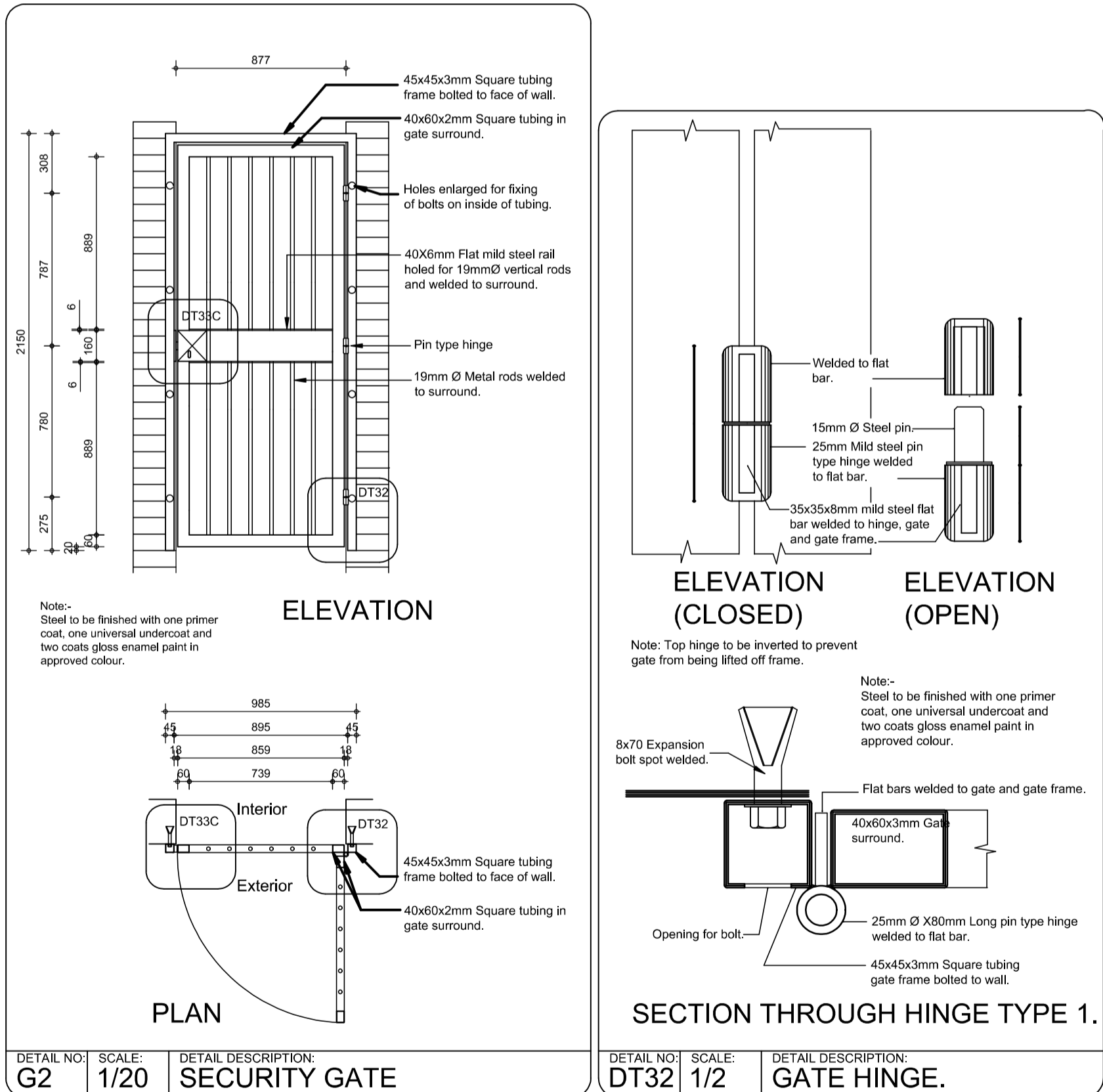
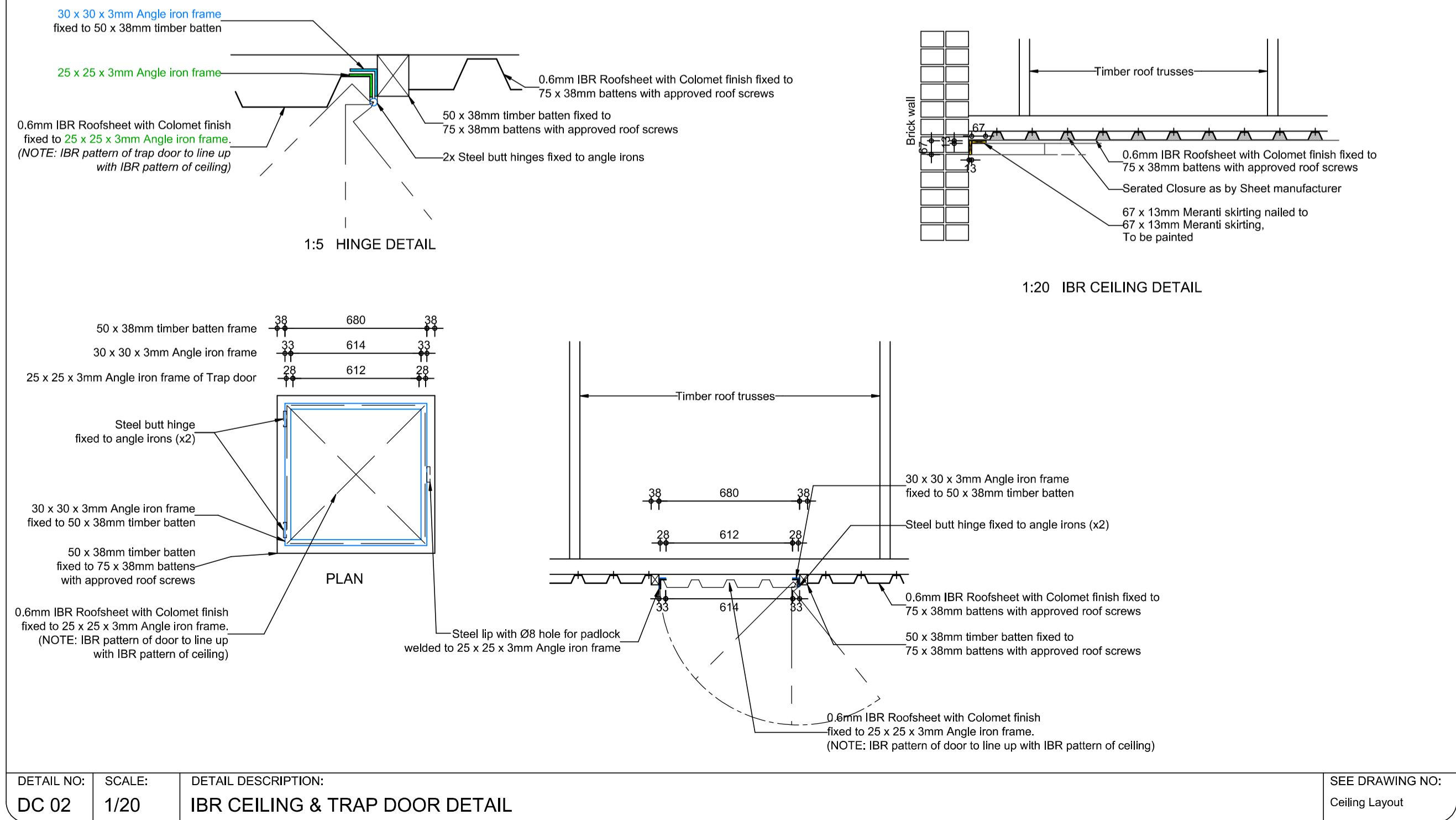
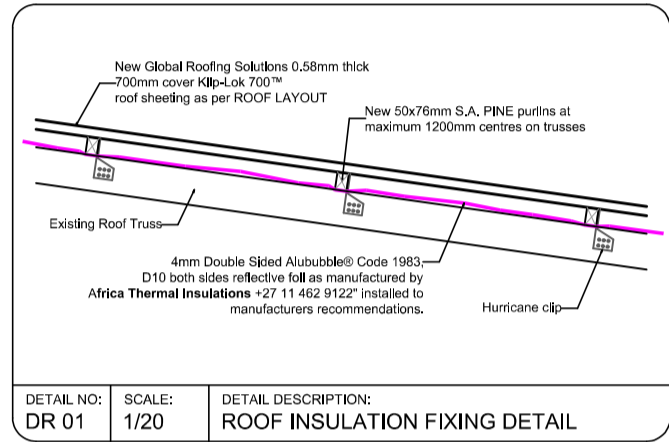
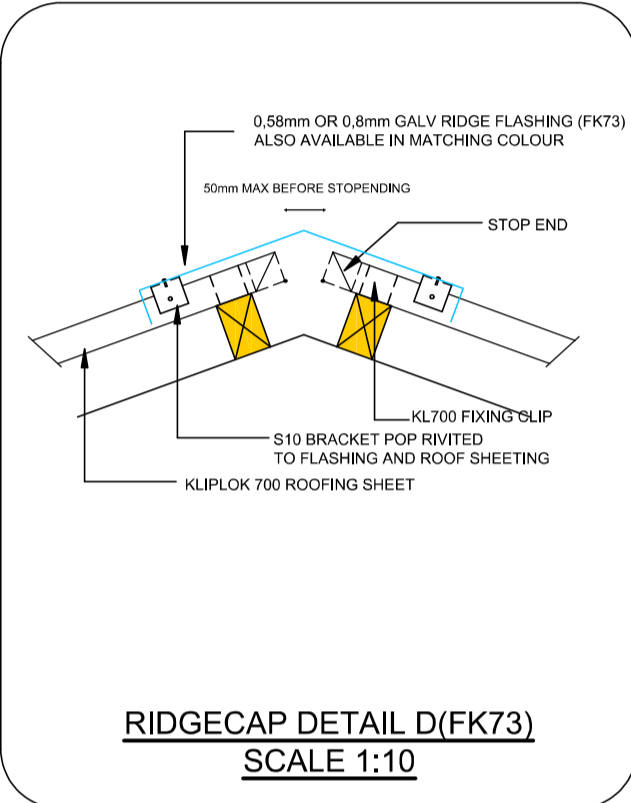
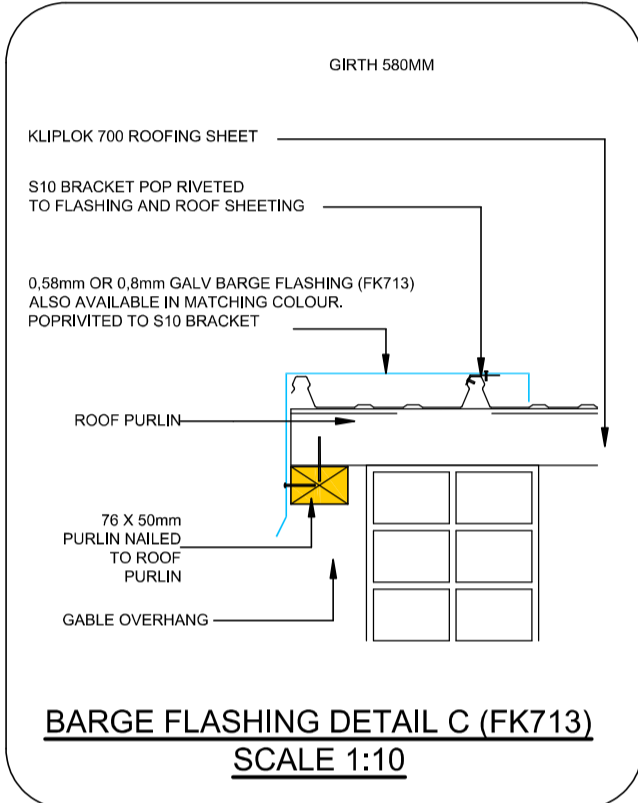
- The entire structure or the portion thereof to be sheeted has been correctly aligned, leveled and grouted.
- Purlins and girts are at the correct spacing and are within the specified tolerances.
- The corners of the roof are square and the wall framework is perpendicular or as specified.
- No protrusions such as wall heads, spiral plates, clots, etc. appear on the face of the framework.
- All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square.
- Paint and any other materials that may be incompatible with the sheeting, have been peeled over or so dealt with that direct contact with the sheeting is avoided.
- The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding.

**GUARANTEE**

The manufacturer shall comply with ISO 9001:2008 Quality Management System. KLIPLOK 700™ sheeting shall be laid in strict accordance with the manufacturer's specifications by a QMS approved contractor. A written and approved five year guarantee of watertightness shall be issued after approval of roofs by the manufacturer Global Roofing Solutions.

**CLEANING OF ROOF, ETC.**

All debris, swarf etc. arising from the fixing of the cladding shall be removed from the sheeting as the fixing progresses. In addition, effluents of insulation, surplus fasteners, sealants, mastic from soap sheets, effluents of sheeting, surplus flashing, roof packaging, cartons, bundles, cans, etc. shall not be left on the roof or in the gutters. Care shall be taken to ensure that no such material enters, blocks or partially impedes the flow of water into the outlets, down pipes, etc.



Revisions			
No	Date	Revision	By
00	2019-00-00	xxxxxx xxxxxx xxxx xxx xx x	xxx

Approved

End User:

education

Department: Education

PROVINCE OF KWAZULU-NATAL

Implementing Agent:

DBSA

DEVELOPMENT BANK OF SOUTHERN AFRICA

Building Africa's Prosperity

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Copyright of this drawing is reserved by the Architect. Dimensions to be checked on site before work is commenced. All building works to comply with SABS 0400-1990, South African Standard Code of Practice for the application of the National Building Regulations or latest revision thereof.

All building works to comply with the regulations as set out in the NHBRC Home Building Manual Parts 1.2 & 3 Rev 1 of February 1990 or latest revision thereof.

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Discipline

Architectural Construction Drawing

Service

Construction of New Ablution Blocks & Renovations of Existing Buildings for Kwabulawayo High School

Drawing title

Block B: 5x Classroom Block

Roof Layout  
Barge Flashing Detail  
Ridgecap Detail  
Roof Insulation Detail  
Ceiling Details  
Gate Schedule

Ref. no	Designed	Scale	As Shown	Drawing date	Time stamp	drawing number	revision
RFP 116/2018	---	---	JVR / JVV	19 Aug 2022	08:30:58	NC(DBSA)KWAB-19-04-250[05]	R 0