



Little Crow

Solar Park

Little Crow Solar Park, Scunthorpe

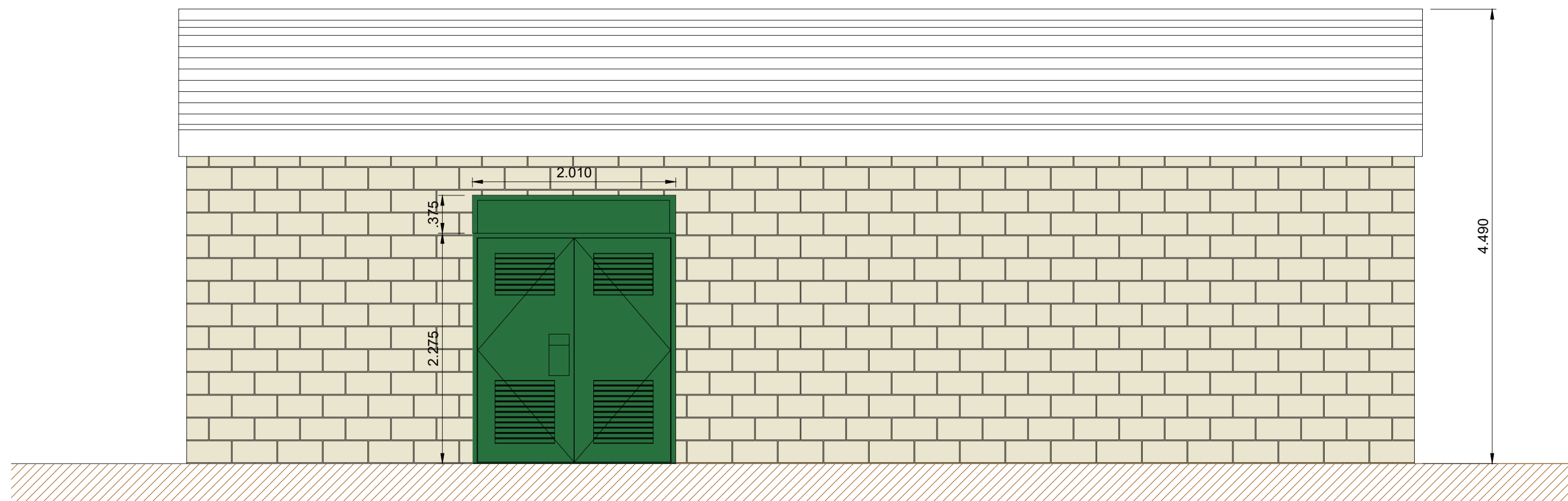
CUSTOMER SWITCHROOM PLAN, LAYOUT AND ELEVATIONS

Revision:
APFP Reg:
PINS Reference:

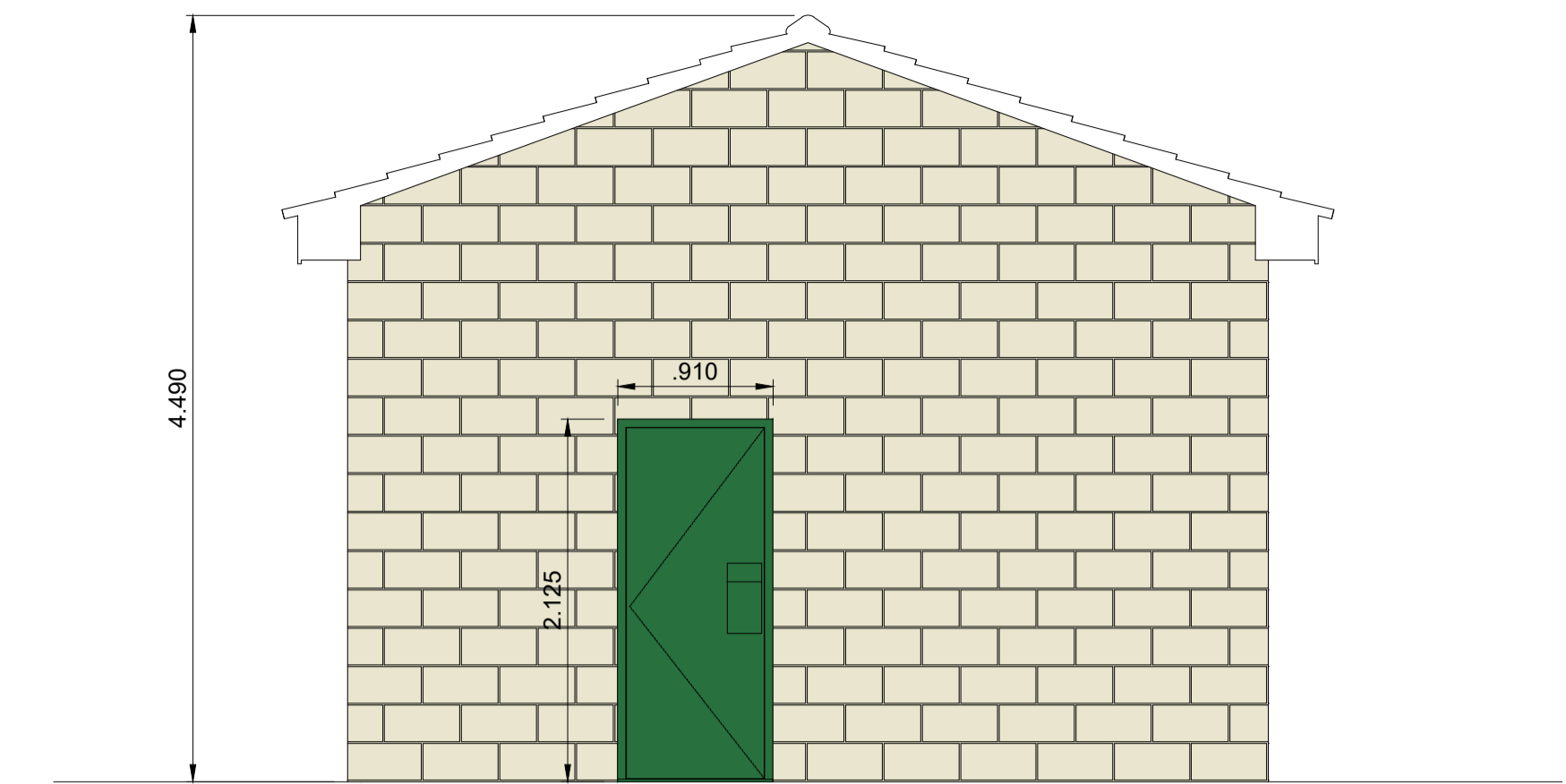
Submission
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Author:
Date:

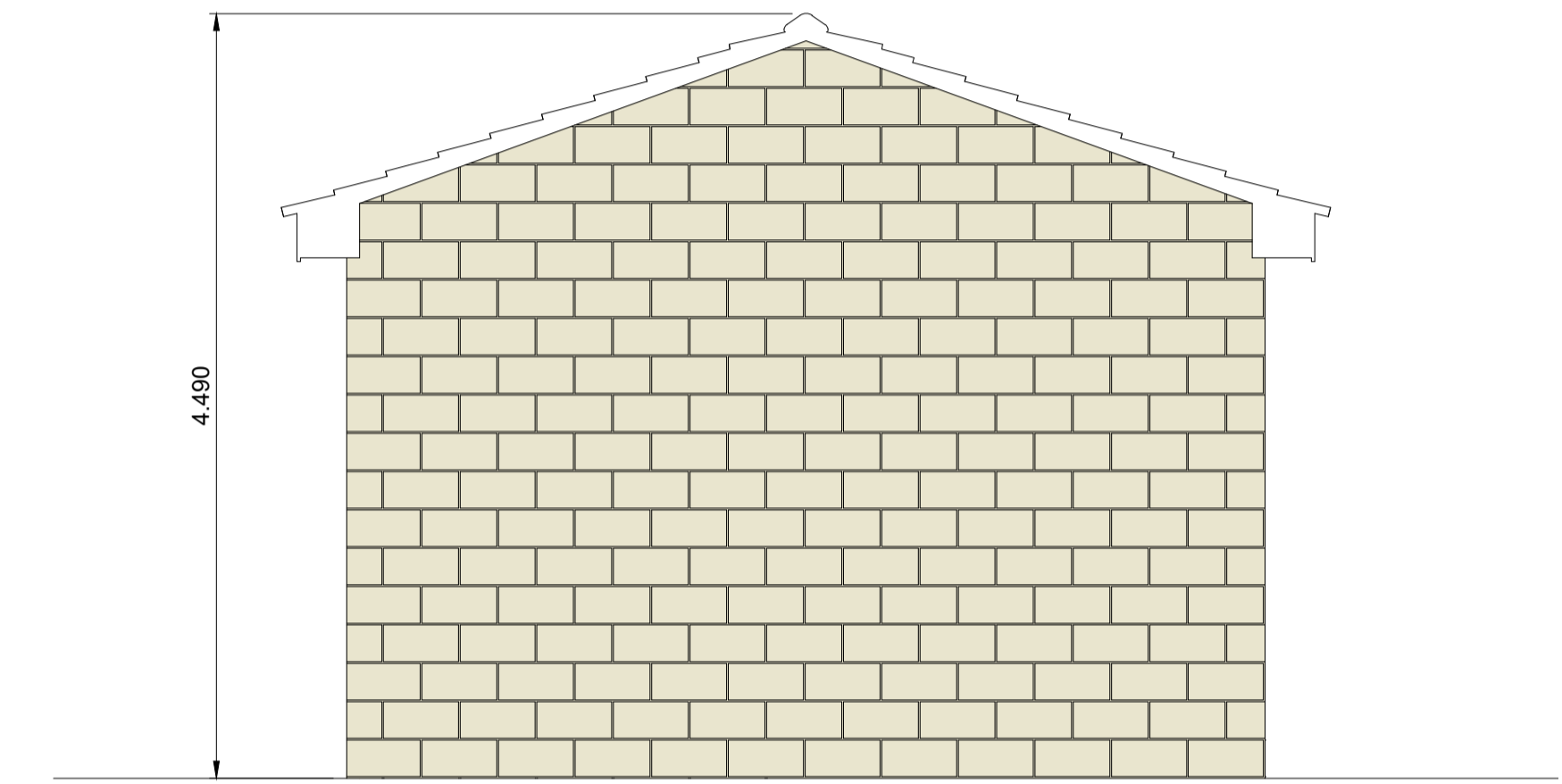
G2
October 2020



1 ELEVATION A
Scale: 1:40@ A1

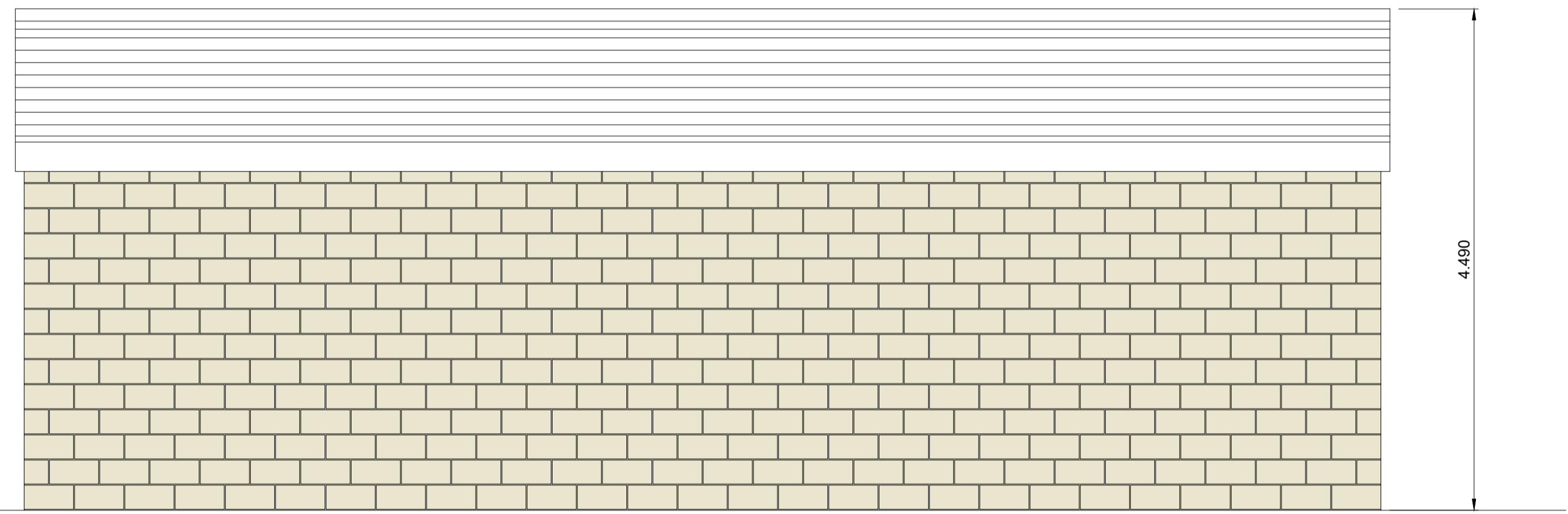


2 ELEVATION B
Scale: 1:40@ A1

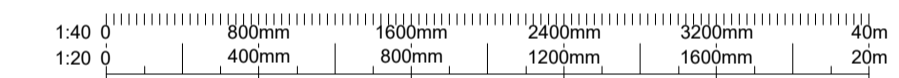


4 ELEVATION D
Scale: 1:40@ A1

Wall and Roof Finishes are to be Advised.
Colours shown on this drawing are indicative only.
All finishes are to be sympathetic and in keeping with the local area.



3 ELEVATION C
Scale: 1:40@ A1



Revision	Rev Date	Revision Description	Drn	Ckd	Appd
Revisions Schedule					
Document Reference No. 2.29 LC DRW					
APFP Regulation 5(2)(a)					
All reasonable care and diligence has been taken in the accuracy & content of this drawing. g2 Energy advises that care is taken if you should scale items from this drawing. g2 Energy should be consulted prior to the re-use of this drawing.					
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NOTES:

FLOOR:

Floors to be level, steel floor finish concrete, and sealed with approved concrete sealer or concrete paint.

Trenches to be covered with 25mm exterior quality WBP plywood, maximum width 1200mm. Each cover to have 2no 35mm diameter finger holes. Covers to be painted with two coats silver gloss paint both sides and all edges.

Floor to be cast to front face of door openings providing solid thresholds.

External level to be 150mm below finished floor level to allow unrestricted access for switchgear and to have a level landing area.

ROOF:

Roof Pitch 20° to provide a U value of 0.25 W/m² °C to the roof.
150mm x 47mm Softwood joists at 400mm centres fixed with truss clips to 140mm x 75mm treated softwood wall plate.
Wall plate to be strapped down to masonry using galvanised straps.
The roofs is to be secured to walls via proprietary fixings or straps (explosion relief devices ARE NOT acceptable) to be designed to BS6399 part 3.

Ceiling to be 2no layers 12.5mm British Gypsum FIRELINE or similar approved board mechanically fixed to roof joists using appropriate screws (as specified by board manufacturer). All plasterboard joints and edges are to be supported on roof joists or softwood noggins. Plasterboard joints are NOT to be coincident.
All joints are to be appropriately sealed to maintain one hour fire protection.

BLOCKWORK:

Masonry below ground level to be 7N/mm² dense concrete block or brick.

Walls to be 300mm cavity walls with block work inner leaf.
Internal walls minimum 140mm thick 7N concrete block work.
Leafs are to be tied together with stainless steel double triangle wall ties to BS1243 at 450mm centres vertically and 900mm centres horizontally.

215mm trench walls to be fair faced and flush pointed dense concrete block or brick.

DOORS:

Doors shall be to CE Electric type specification.
Other door types shall only be used with prior written approval of CE Electric.
Doors must accommodate CE Electric double locking arrangement utilizing Yale Type 82 cylinder deadlock and swivel locking bar, and must be provided with documentation proving LPS 1175SR 3 or similar minimum security rating.

Door reveals & lintel soffits to be closed to provide minimum 1hour fire protection.

GENERAL

Trenches and cable routes to be closed off after cable installation. Closure to prevent physical access into substation and provide one hour fire protection.

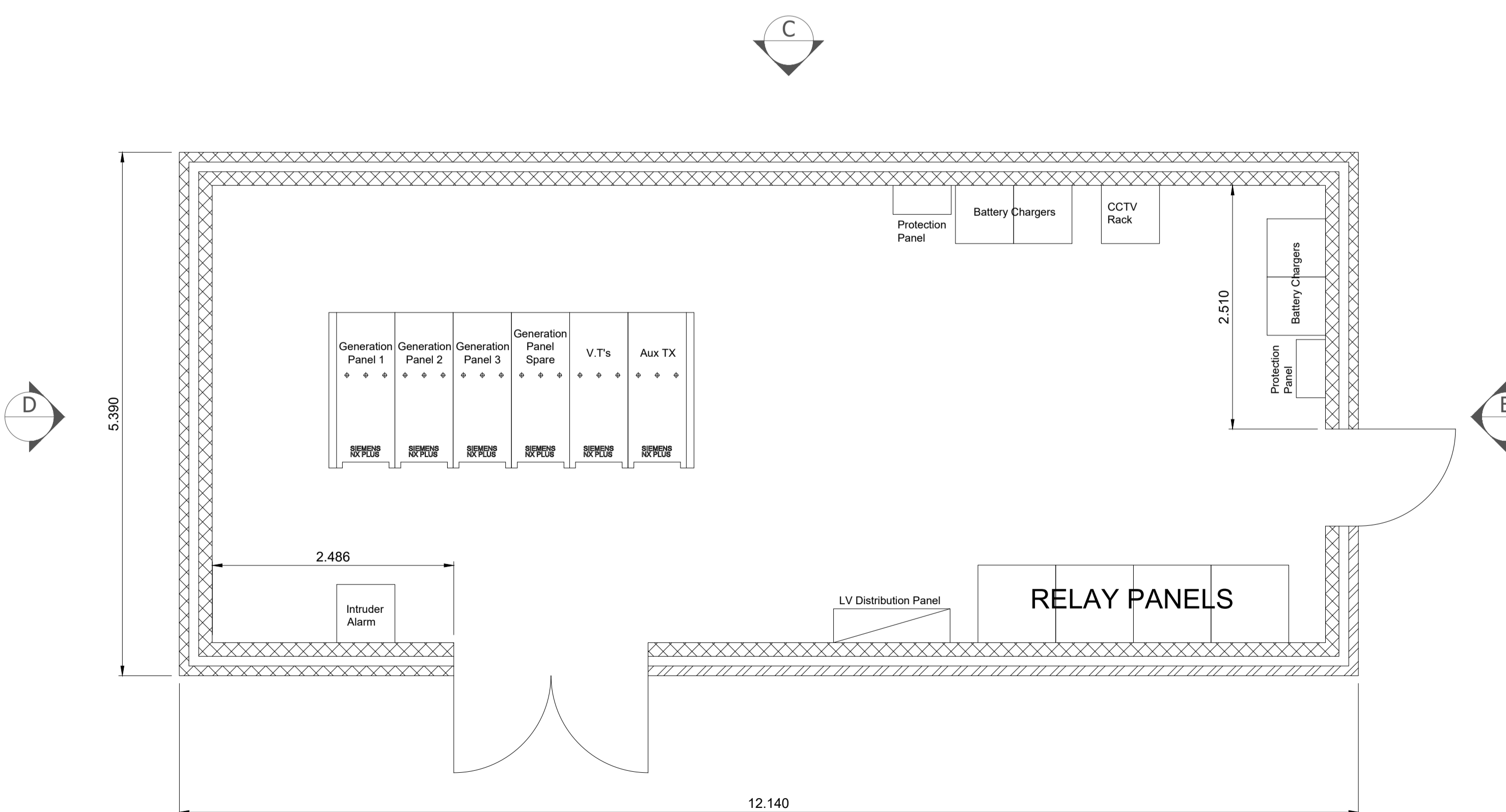
No structural steel within substation to be exposed. Steel doors shall be fixed to masonry and not to steel structural frame of building.

Care is to be taken to ensure that access to cable openings is not impaired.

No Gas, Sanitary, Water or other Services to run through or under the substation.

DRAINAGE:

Adequate drainage to be provided to prevent flooding of internal cable trench.



3 PLAN LAYOUT
Scale: 1:40@ A1



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Project Number: P2064

Project Title: Little Crow Solar Park

Client(s): INRG SOLAR (Little Crow) Ltd

Project Issue Date: JUNE 2020

Drawn By: SH Checked By: SF Approved By: EG

Drawing Number: P2064-22-03

Drawing Name: Customer Switchroom Plan, Layout and Elevations

Sheet Print Stamp:

Scale: As Shown @ Paper Size: A1

Drawing Status:

SUBMISSION

