

ALL SAINTS BREADSALL – FACULTY APPLICATION

Works to the rear entrance to create ramp access with new cable duct.

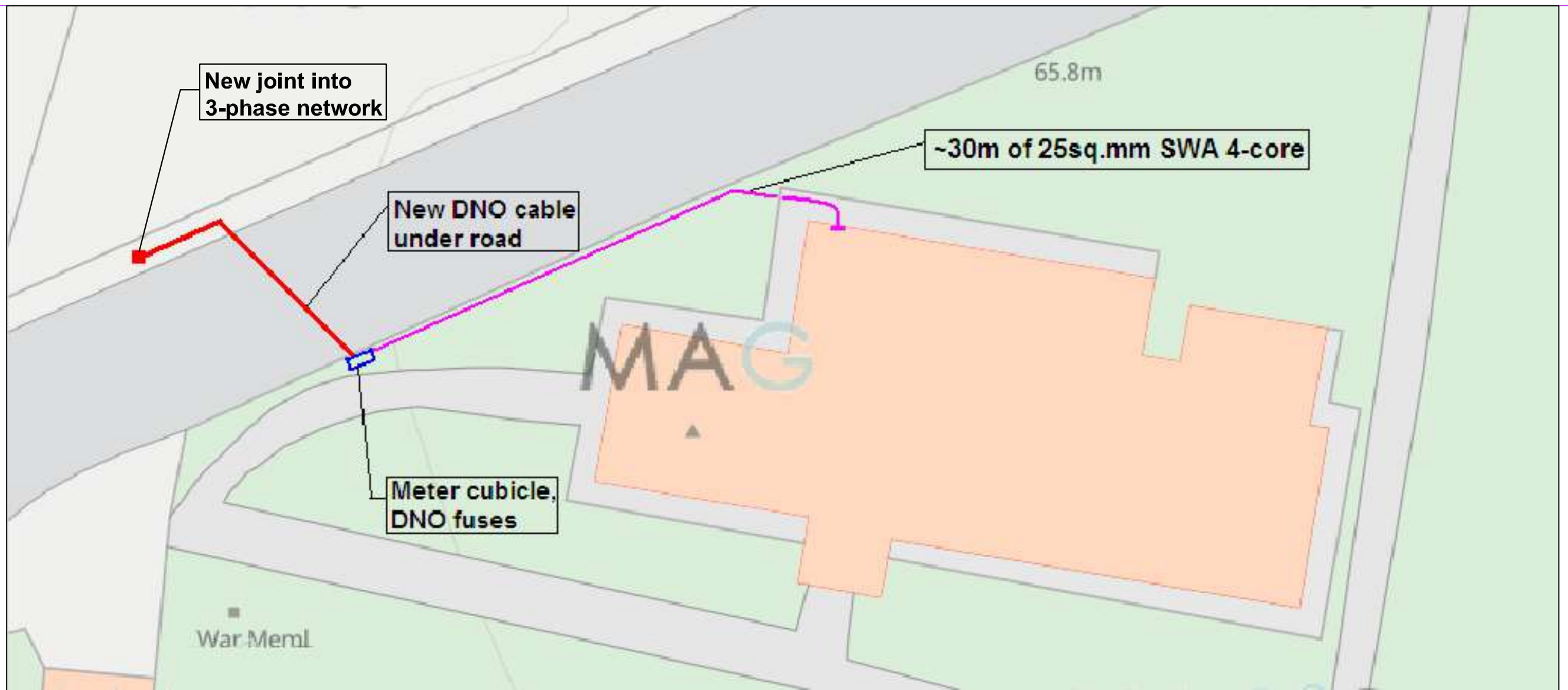
The church is implementing a new 3-phase grid connection, having been awarded a £10k Give-to-go-Green Grant in January. This requires finding an access route into the church for a new power cable. In addition, for some time the PCC has wanted to eliminate 2 steps at the north door entrance - leading into the choir vestry - for safety and accessibility purposes. The architect advised that completing the 2 projects together would allow the power cable to enter the church without having to drill through the stone wall of the church – by incorporating it underneath the new ramp. The overall scope of works to achieve this is relatively minor and, on completion, the visible changes to the church will be barely perceptible.

Schedule of works or proposals

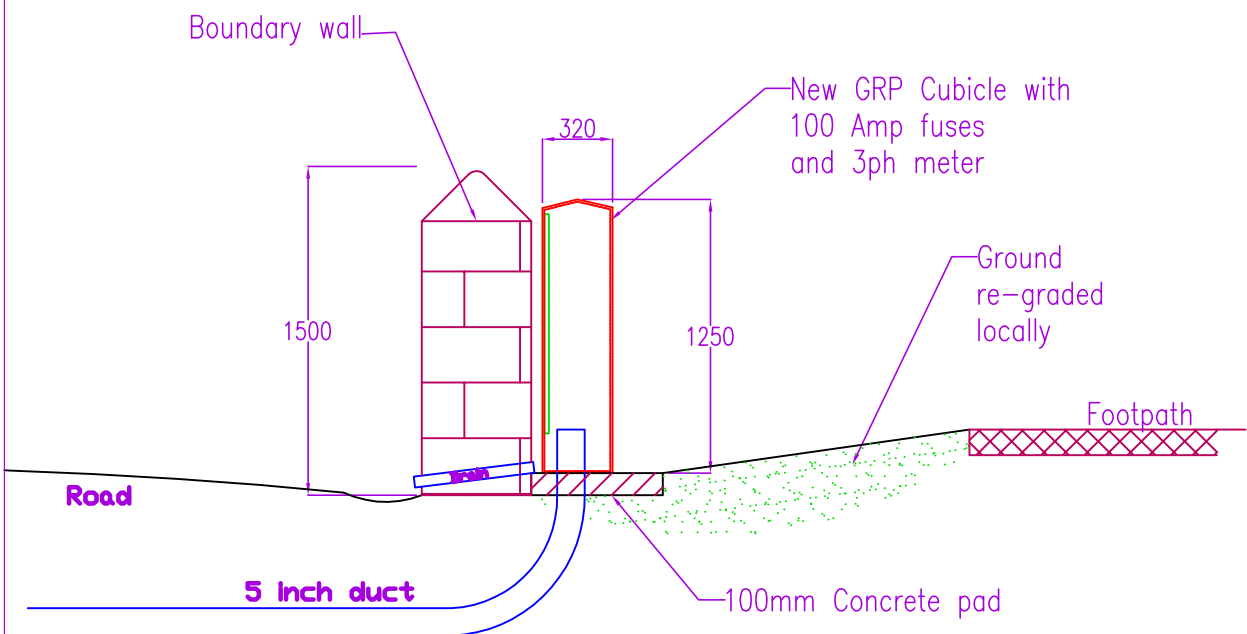
Works to the rear (north) entrance of All Saints Breadsall to create ramped access whilst incorporating a cable duct for the new 3-phase grid connection, comprising the following main tasks:

- Install a standard outdoor fuse cabinet (1250 x 800 x 320) just inside the north boundary wall, to receive the incoming power supply from National Grid.
- Install a 3” cable duct and armoured electrical cable (4-core, 25sq.mm), buried along the base of the north boundary wall for approx. 30m to reach the north door of the church.
- The cable will arrive into the wide gutter that runs around the perimeter of the church where it will join other cables pinned along the wall of this gutter in order to reach the new ramp up to the north door.
- Raise the 1340 x 1340 square of floor immediately inside the north door of the church with softwood joists and floorboards to eliminate the 154mm step at this location.
- Replace the sandstone threshold of the rear door with a new cut sandstone threshold approx. 75mm higher, so as to match the new internal floor level. New sill to have a pre-drilled 50mm hole for the new power cable to pass through.
- Trim 100mm from the base of the oak door of the church to match the new floor and threshold level. Re-locate the existing weather bar and add concealed threshold seals. This door dates from the re-building of the church in 1916 and there will be no modification to the historic ironmongery.
- Re-lay the existing stone-slab pathway to the rear door of the church onto a compacted bed of Type 2 MOT to create a 2.7° (1:21) ramp for wheelchair access into the north door. The ramp will be gentle enough not to require hand-rails. If necessary, re-grade the grassed area either side of the new ramp to remove any trip hazards.
- During construction, incorporate a 3-inch cable duct in the MOT layer beneath the new ramp. With the 50mm access hole through the new threshold, this will then provide discrete access into the church for the new 3-phase power cable.

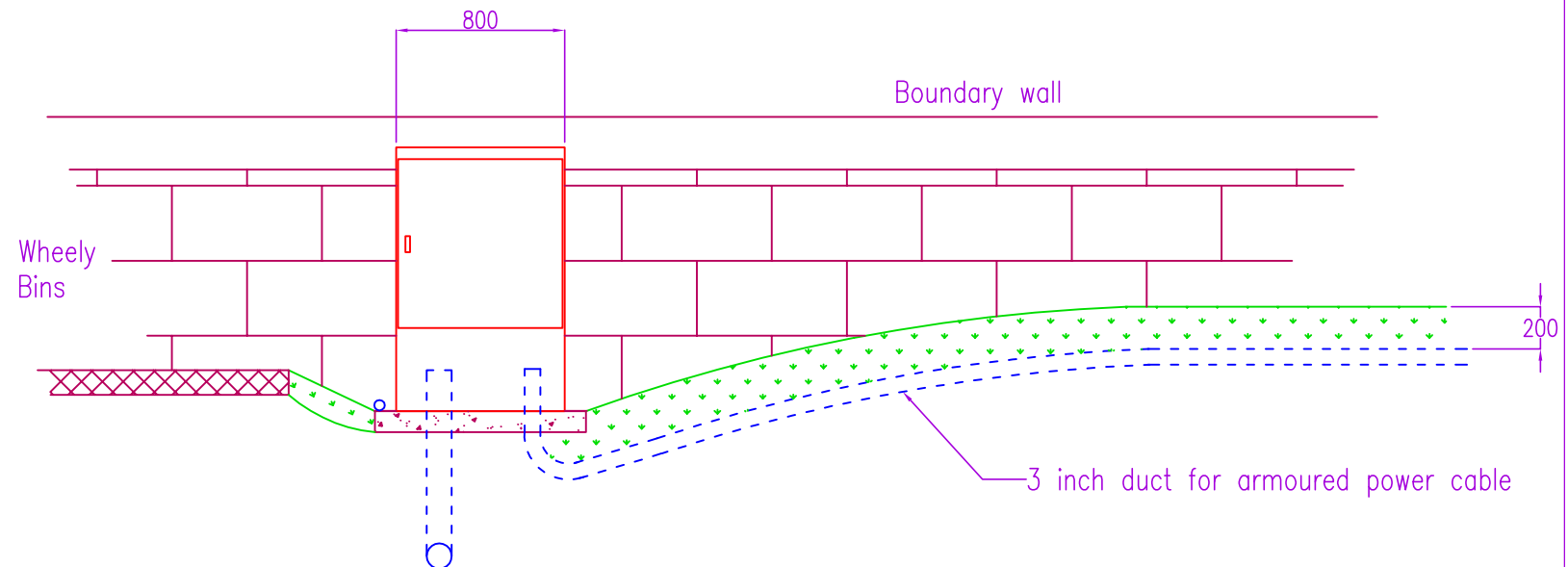
SITE PLAN



SIDE ELEVATION



FRONT ELEVATION



Date: 20-2-25	Drawn by: O F Paish	Dimensions in: mm	BREADSALL CHURCH
3-phase fuseboard and metering cubicle			

BREADSALL CHURCH : 3-PHASE CUBICLE AND POWER CABLE

Figure 1 : Incoming cable from National Grid, under the road



Figure 2 : Metering cubicle adjacent to “bin and bike” area



BREADSALL CHURCH : 3-PHASE CUBICLE AND POWER CABLE

Figure 3 : Cable laid in a duct buried at the base of the boundary wall



Figure 4 : Cable passes through the gas meter cubicle and into the perimeter gutter



BREADSALL CHURCH : 3-PHASE CUBICLE AND POWER CABLE

Figure 5 : Cable arrives at base of new ramped approach to north door



GRP Enclosure



Model: NX76

Description

Our NX76 GRP Enclosure is compliant with BS (British Standards) and DNO (Distribution Network Operators) in the UK.

Single Opening Door provide access to weatherproof storage for electrical equipment and various other items of industrial equipment. The cabinet doors have a three-point cylinder lock fitted and durable hinges, which help prevent the cabinet from damage and attempts at tampering and energy theft. The GRP cabinet doors are also fitted with a metal ring for the optional/additional security of a padlock (padlock not supplied).

These surface mounted GRP cabinet enclosures are suitable for the protection of many different types of electrical and industrial equipment. They are commonly used by Gas, Water and Electricity providers, local authorities and the mechanical services industry, plus many others. IP54 Compliant and made with Class 2 Fire Resistant Resin (30 Minute Resistance).

Our GRP housings are manufactured from the highest quality thick GRP materials to withstand the rigours of the harshest weather conditions and are IP54 compliant.

The internal finish is a durable GRP in white with a 18mm plywood back wall to fix equipment. The GRP flooring is solid and strong for surface mounting and is made out of thick insulating, fire resistant and self extinguishing composite GRP (Glass Reinforced Plastic).

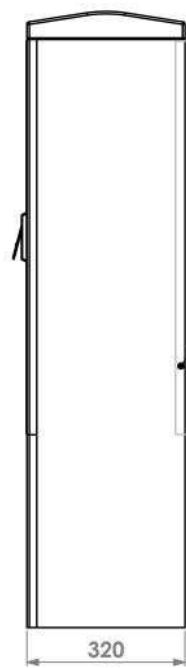
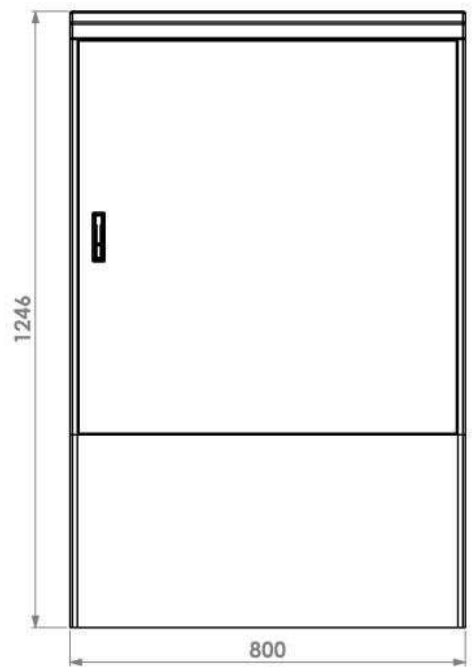
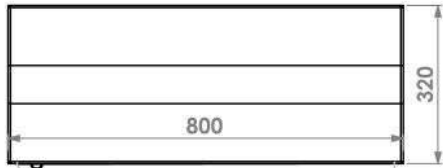
Specification:

- ✓ Single door (removable)
- ✓ Bottom panel (removable for access)
- ✓ Three-point cylinder lock with keys
- ✓ Built in metal ring to install a padlock (padlock not supplied)
- ✓ Durable hinges
- ✓ External finish (British Racing Green) - Smooth semi-gloss GRP
- ✓ Internal finish - durable white GRP
- ✓ 18mm treated plywood backboard for fixing equipment
- ✓ Full GRP base
- ✓ Dust/Water prevention seals (IP54 Compliant)
- ✓ Made with Class 2 fire resistant resin (30 minute resistance)

Model: NX76

GRP Enclosure IP rating 54
Complies with BS 8567 : 2012 specification
Fire retardant BS476, Part 7, 1997, Class 2
BS EN 60 439-1
BS EN 60 439-3
BS EN 60 439-5
BS EN 50 298
DIN 43 629-1
DIN 43 629-2
DIN 43 629-3

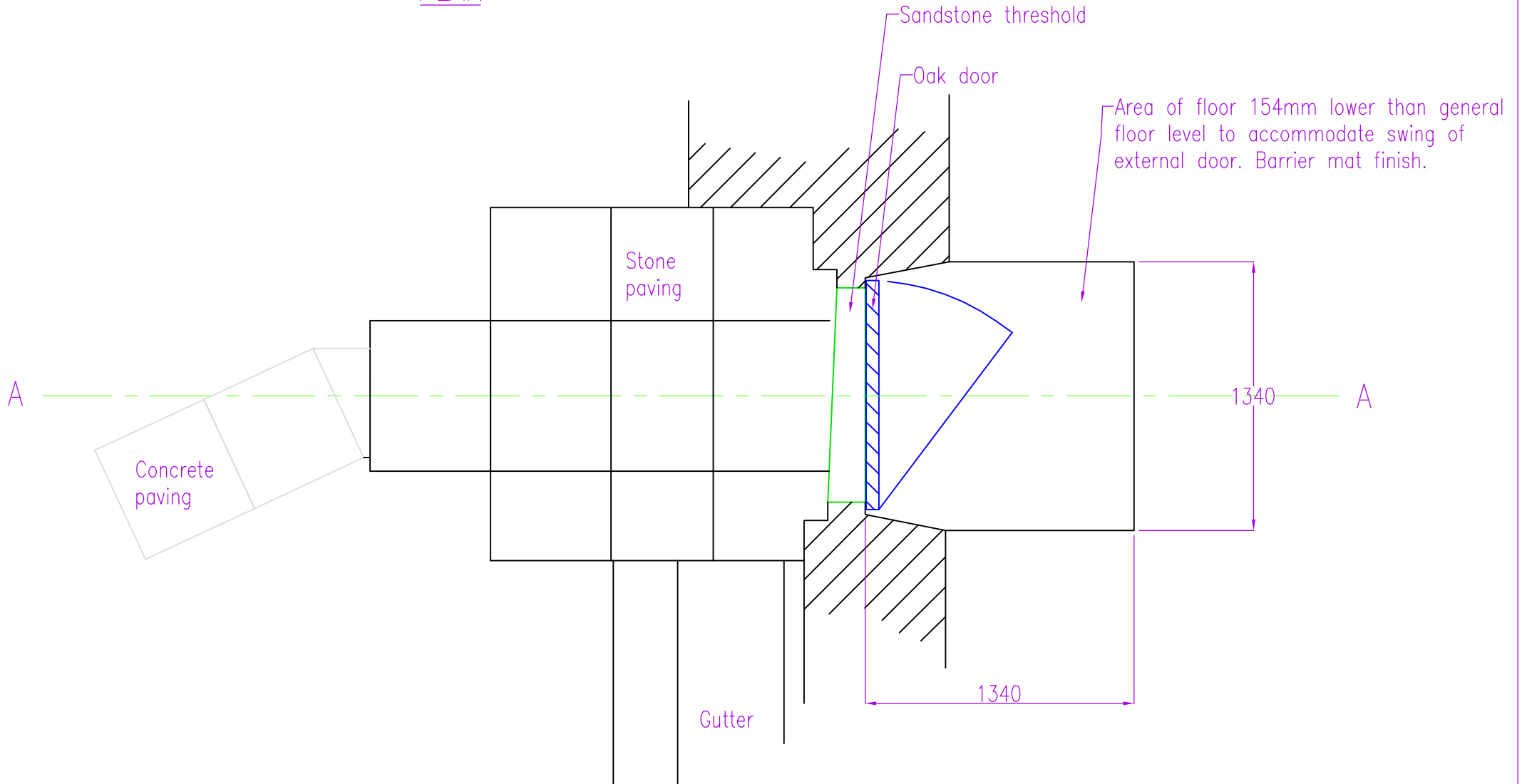
Dimensions	Width x Depth x Height (mm)
External	800 x 320 x 1250
Internal Clearances	790 x 250 x 1230
Mounting Backboard	780 x 18 x 800
Door Configuration	Single
Lock Type	Cylinder
Weight	50kg approx.



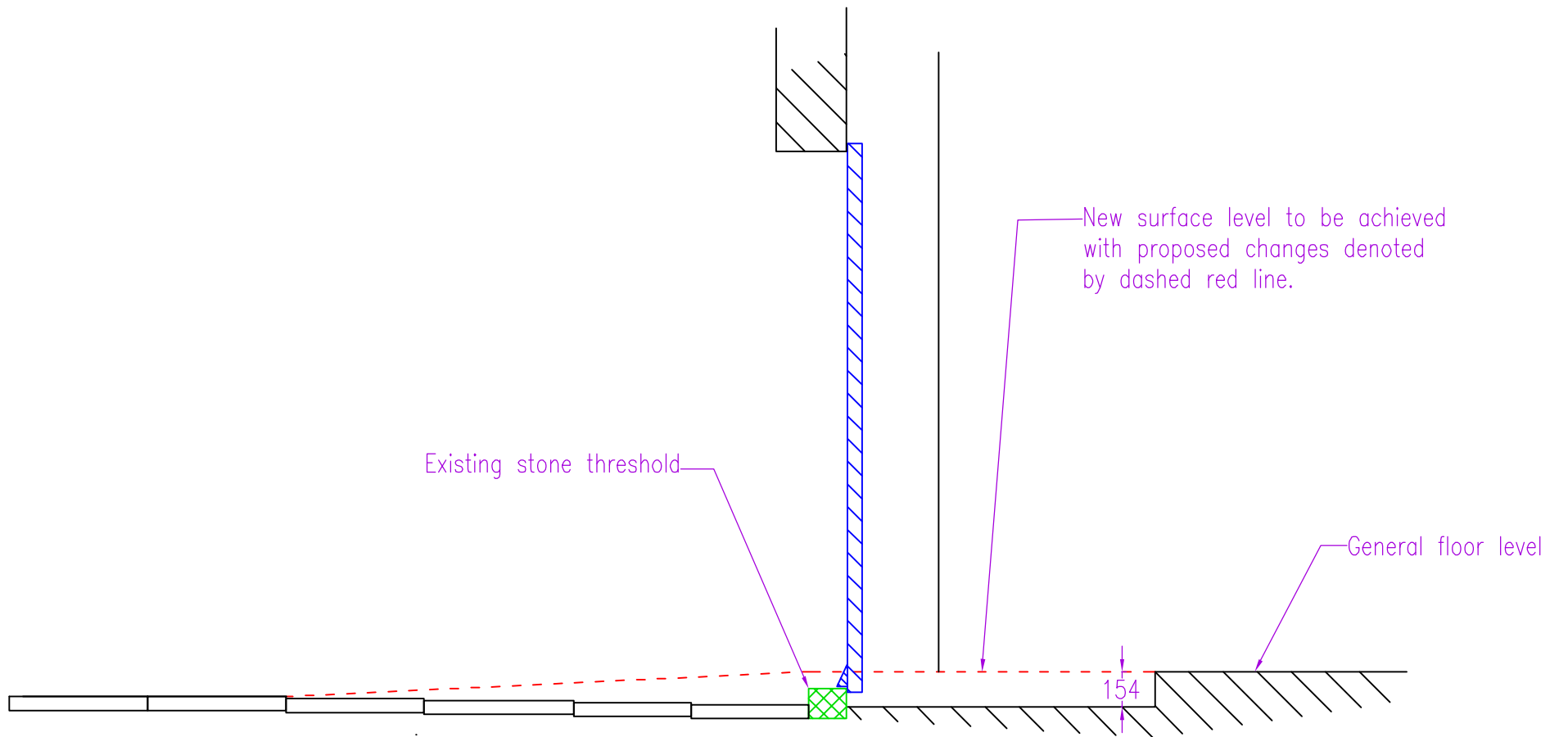
EXTERNAL: 800 x 320 x 1250 mm	INTERNAL: 790 x 250 x 1230 mm	ALL DIMENSIONS IN mm - E&OE
NX NUMBER: NX76	COLOUR: British Racing Green	Thick, Insulating, Fire-resistant, and Self-extinguishing composite GRP
Mail: sales@enclosure-shop.co.uk	tel: 0345 805 4083	www.enclosure-shop.co.uk

BEFORE

PLAN

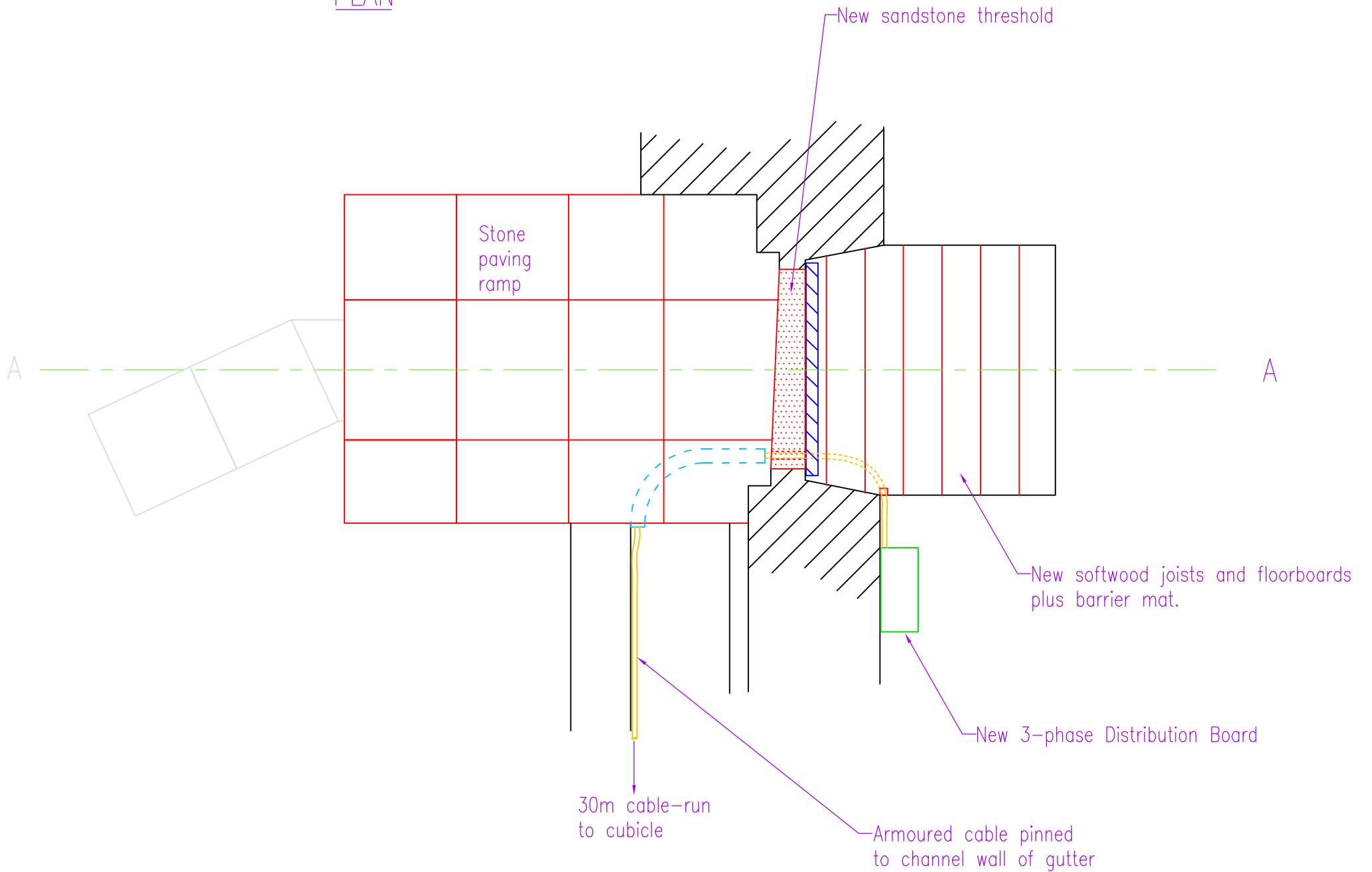


SIDE ELEVATION (A-A)

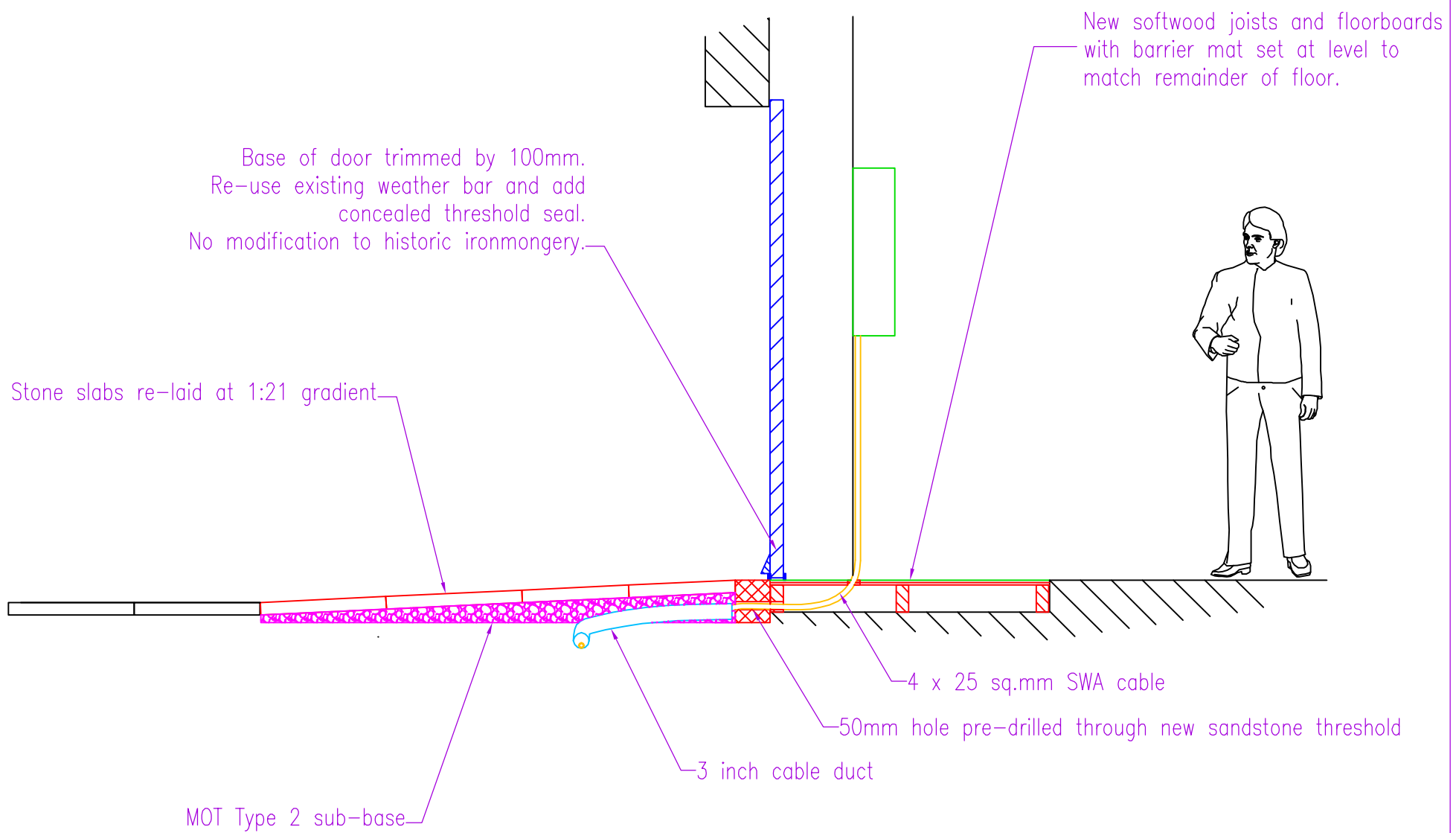


AFTER

PLAN



SIDE ELEVATION (A-A)



Date: 27-2-25	Drawn by: O F Paish	Dimensions in: mm	BREADSALL CHURCH
Adjustments to the north entrance			

BREADSALL CHURCH : MODIFICATIONS TO NORTH DOOR ACCESS

Figure 1 : North entrance to Breadsall Church



Figure 2 : North door, and extent of proposed ramped paving



BREADSALL CHURCH : MODIFICATIONS TO NORTH DOOR ACCESS

Figure 3 : Door threshold to be replaced, leading to the lower floor area to be boarded over



Figure 4 : Base of the oak door, to be trimmed by 100mm and weather bar re-attached

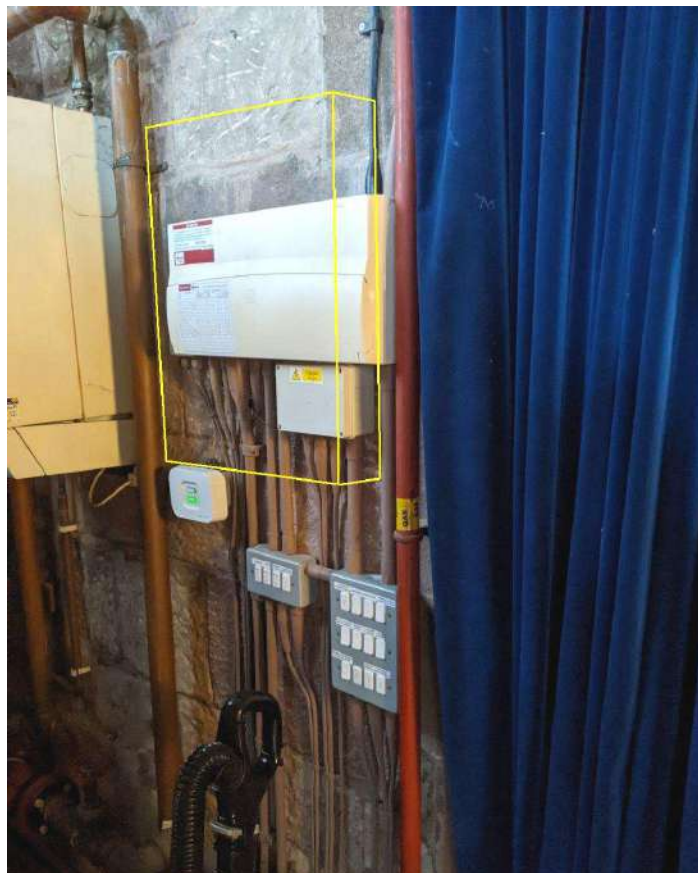


BREADSALL CHURCH : MODIFICATIONS TO NORTH DOOR ACCESS

Figure 5 : Extent of new ramp, with 3-phase power cable hidden beneath



Figure 6 : Location of the new 3-phase distribution board, in the plant area just inside the north door.



BREADSALL CHURCH : MODIFICATIONS TO NORTH DOOR ACCESS