PRELIMINARY STRUCTURAL REPORT
UPON
DUTCH BARN
AT
HOMELEA
MILL GATE
WHAPLODE
SPALDING
PE12 6RT



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Ref: 24161 **OCTOBER 2024**

INTRODUCTION

At the request of Oglesby & Limb Ltd on behalf of Mr R. Spencer, I confirm having visited the site on the 23rd October 2024, the purpose being to undertake a visual inspection of a historic Dutch Barn and consider its suitability for renovation and use for domestic occupation.

LOCATION AND GENERAL DESCRIPTION OF THE PROPERTY

Situated in an open yard area close to the boundary and gateway from Mill Gate, Whaplode, approximate National Grid Reference TF324237.

The structure takes the form of a curved roof covering of single skin corrugated steel cladding, which is supported by a light weight steel structure, being typical of similar structures in this area.

COMMENTS 'AS SEEN'

The layout of the Dutch Barn is shown on attached sheets No.d 24161/SK01 and 24161/SK02, which takes the form of three 15'/4.572m bays with small steel angle trusses which span for 24'/7.325m – see photograph 1.

The front and rear elevations are open, with the exception of one bay along the rear elevation, where replacement roof cladding was visible.

Both gable ends are fully clad with the same corrugate steel cladding that is also on the roof – see photograph 2.

With the exception of a small section of the front elevation – see photograph 3, which has been removed at eaves level, the structure appears intact and stands in the same condition as it was at the time of construction.

CONCLUSION

It is difficult to accurately date the Dutch Barn, however the basic structure has not deteriorated significantly over the years.

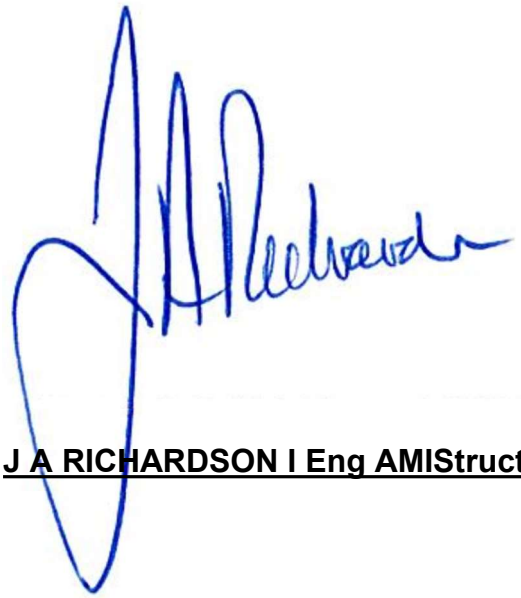
The original use of the barn would have been to provide temporary storage for Hay and Grass, under a roof to keep off rain with the open sides allowing good ventilation.

Consequently, the structural design was never intended to support significant snowfall events, or comply with building standards, particularly those available today.

Therefore, it would not be possible to consider the present roof structure is suitable to support both dead and superimposed loads that are applicable to todays standards.

However, it would be possible to introduce a new roof structure over the existing and utilize the existing columns to support the additional loads.

This would allow the existing Dutch Barn to remain and create the living accommodation within the Dutch Barn, below eaves level.



J A RICHARDSON I Eng AMIStructE **31ST OCTOBER 2024**



Photograph 1



Photograph 2



Photograph 3

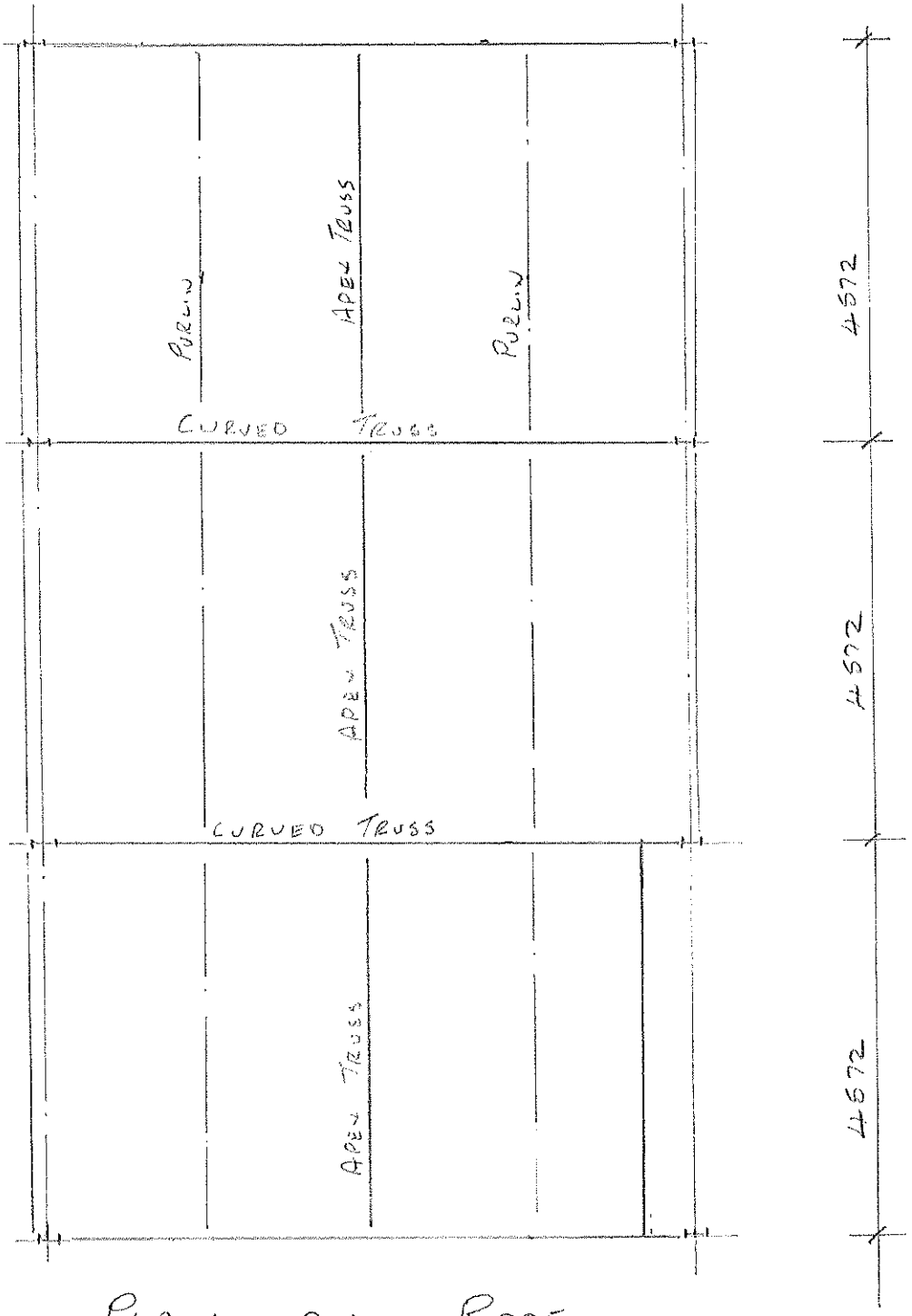
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Project No. 24161	
Sheet No. SK01	Rev.
Date:	
Designer:	

Project:



PLAN ON ROOF

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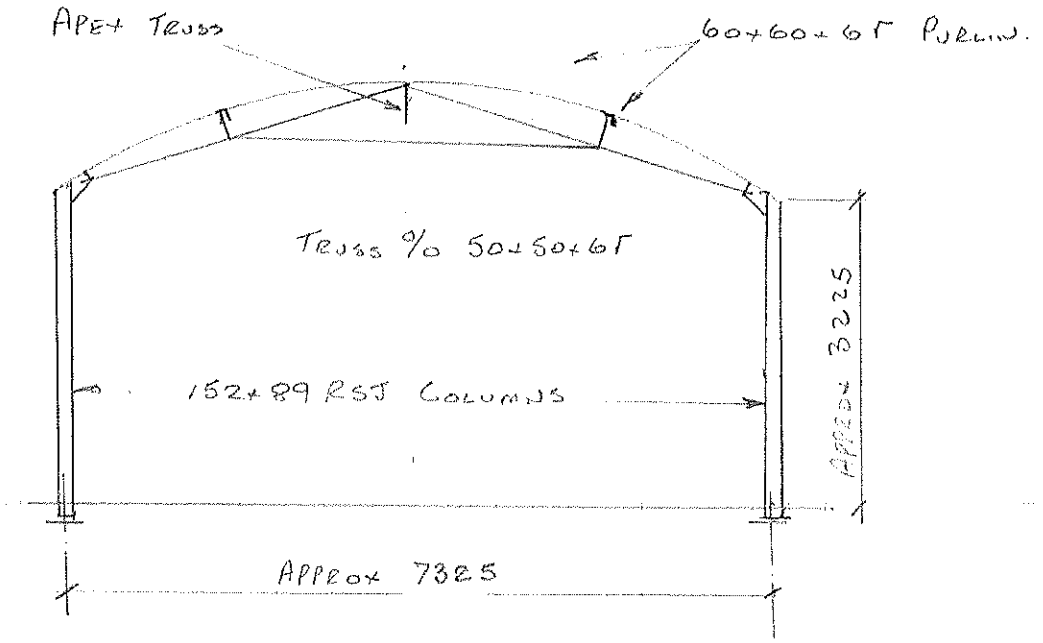
Project No. 24/161

Sheet No. SK02 | Rev.

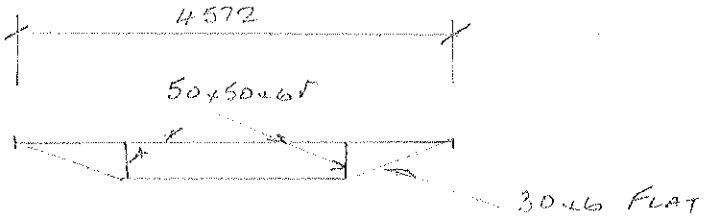
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SECTION



VIEW ON APEX TRUSS