NEW [redacted], HAVERHILL, 20/DEC/05

BRIEFING

This company was instructed by Mr [redacted] of [redacted], to inspect and report on the roofing and cladding for a new [redacted], [redacted] Retail Park [redacted], Haverhill.

The building is currently under construction.

A non-intrusive inspection was undertaken on 20 December 2005 for this purpose

DRAWINGS

Detail drawings had been inspected prior to the visit. However, it was noted that the operatives were working to a different set to those issued to us. A set of paper prints was issued to us after our inspection, but before we left site.

Drawings received whilst on site were DGT CL1623 / CL01(b), /CL02(b), /CL03(b) / CL0604(a) & / CL06. (5 No Total)

CONSTRUCTION

The structure consists single span steel framed portal, as a side extension to an existing terrace of units. The roof is to be a built up system. It was noted whilst on site that these sheets were marked with Euroclad stickers.

WEATHER

An early morning frost had not yet cleared from the roof, leaving the liner sheets wet and slippery in places.

PROGRESS

The roof had been lined out and the ashgrid spacer system added. Many foam fillers were still to be installed. The insulation and top sheet were to be started later in the day of inspection.

SITE PERSONELL

Mr Nick [redacted] of [redacted] and Mr Mark [redacted] of [redacted] joined the inspection

OBSERVATIONS

The following observations were made during this visit

1) Some of the ashgrid were facing in the wrong direction. The contractor should satisfy himself that this has no detrimental effect on the roof integrity or compromises the non-fragile status that is being sought.

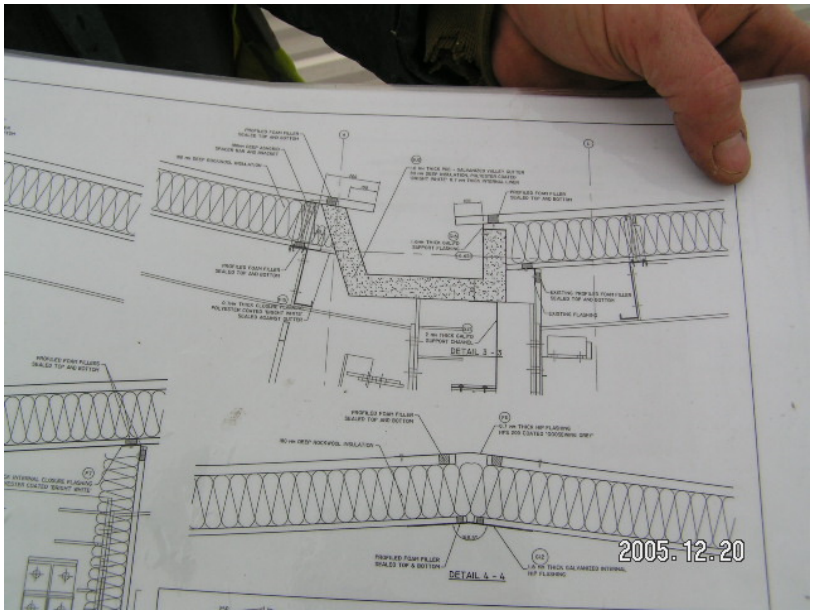
   Similarly the ashgrid spacer was omitted at rooflights. The same request as above applies

   The manufacturer's drop test papers should be obtained and the contractor should ensure that compliance is being obtained.

2) No anti-sway brackets were observed on the Ashgrid.

3) The hip cleaders comprised of a supporting flashing. These were very flimsy and it is doubtful that they would survive a drop test. The contractor should be requested to prove this method of support, or install suitable structural cleaders.

4) The valley gutter adjoining the existing building had been installed and to a different detail to the drawings issued to us prior to our arrival on site, copy shown below.



OUTSTANDING DRAWING ISSUES

These are outstanding points raised from our drawing appraisal of 10 Nov 2005, which have not yet been satisfactorily closed

a) U value calculations for roof and walls

b) All f & ψ values.

c) Suitable closure of existing building liner sheets to gutter

d) Drg 03 Detail 2-2 Is the contractor confident he can successfully achieve an aesthetically acceptable fascia detail where the flashing is pop riveted direct to the eaves beam, given the allowable tolerances within structural steel construction.

e) Drg 03 Detail 4-4 Still awaiting dimensional information requested & proof of compliance with NFRC Blue Book

f) We are still awaiting details of wall cladding

CONCLUSIONS

There is still some serious concern with regard to the design integrity of these works.

We are also concerned that if the contractor has not issued f & ψ values, how do they know the building will comply with ADL2, and more importantly the Architect / Client know that the final alpha value is also compliant?

End of Report