

IMPORTANT NOTICE

HITEX DIAMOND CAVITY PLASTER CLADDING SYSTEM

Hitex Diamond cavity plaster system (often called by its generic name EIFS) was manufactured between 2003 and 2010 by Hitex Building Systems Limited in response to the 'leaky building' crisis.

Hitex Diamond achieved a number of aims. The diamond cavity provided the first 2 'D's, Drainage and Drying, the undersill trays and detailing achieved better weathertightness the 3rd 'D' called Deflection and builders were requested to use decay resistant framing the 4th 'D' Durability.

During 2003-2005 cavity battens became included in Acceptable Solutions as one way of providing Drainage and Drying. Other detailing introduced better weathertightness and Standards clarified where fungicide treated framing should be used.

This notice is to provide a 'balanced' view. Some people have been obtaining building reports from inspectors and experts unfamiliar with the attributes of plaster claddings like Hitex Diamond Cavity System.

Statement: Hitex had no power over the treatment of the timber framing, or the quality of the many weathertightness detailing like roofs, gutters, soffits, windows, penetrations, garage door openings and finished ground lines. Likewise Hitex has no control over other systems that may also cause leaks like showers, wet areas, decks, plumbing and water pipes. Some buildings had more than one cladding. Hitex has no control over maintenance or alterations that may have been done since the cladding was installed.

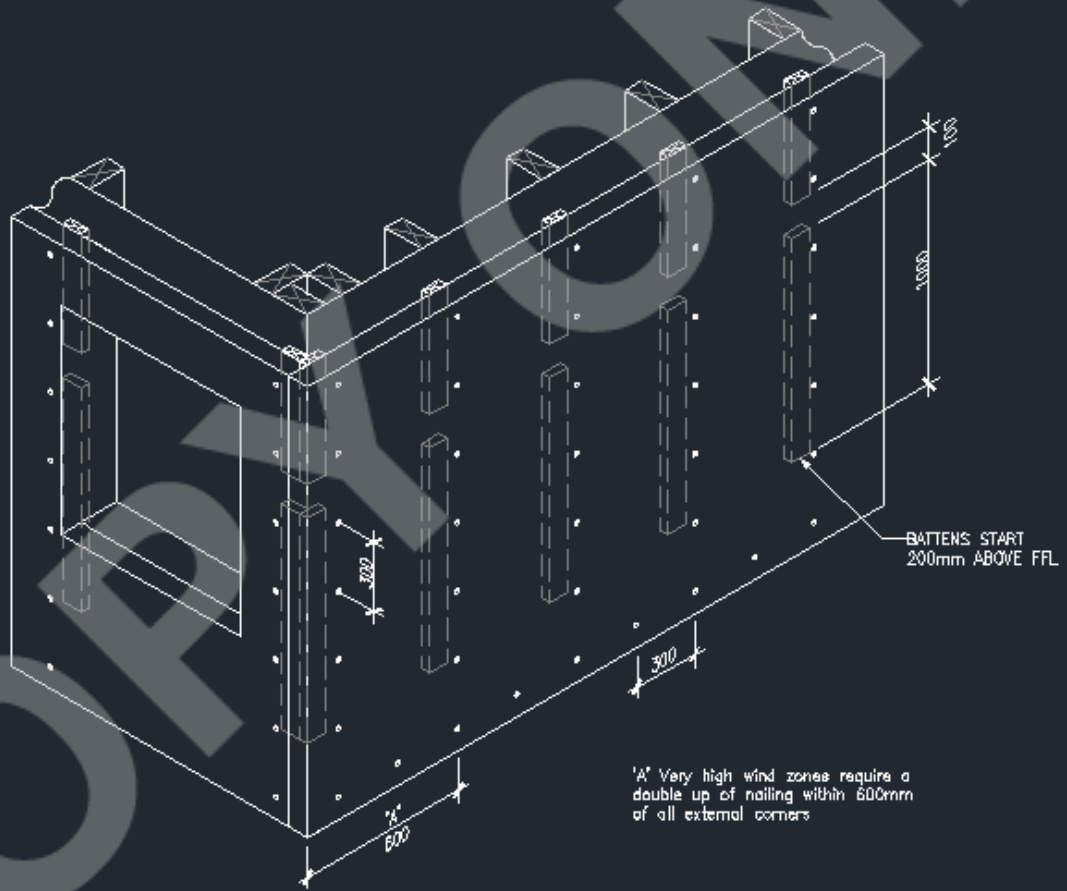
Recommendation: It is our strongest recommendation that at a minimum owners, prospective purchasers, building inspectors and experts undertake what is termed 'invasive tests' before making comments on whether the building is 'leaking' or not. Invasive tests are the minimum inspection recommended because it provides the important 'Evidence' in making decisions:

- Whether the framing is adequately treated with an approved fungicide which excludes H1 and UTKD: Despite code changes we still found UTKD as late as 2010
- Are the weathertightness details working properly as if not framing could already be decayed and cause scan and Thermal misses
- Get moisture content readings in winter when rainfall is at peak to determine whether ALL the claddings, roof, gutters, windows and cladding(s) are functioning correctly.
- Has maintenance already been done and if so was the framing checked as it may already be decayed, but now dry because leaks have been fixed?

You cannot assume just because you have had someone inspect the building, or use a scanner or Thermal camera, even if they attest the inspections to have been done to NZS 4306:2005 that you are protected. This is a visual Standard although S4.2 does provide for special purpose reports including weathertightness reports but for some reason inspectors and experts do not invoke this requirement meaning the inspection falls well short of the Standard and protection you expect.

Invasive testing can be done in a way it does not damage the claddings.
Go to www.moisturedetection.co.nz

HITEX_WR40FASTENER_LOC



FASTENER LOCATION AND SPACINGS

HITEX_WR40WALL-FLOOR-SEC



NB: VERTICAL CAVITY BATTENS TO TERMINATE WITHIN 200mm OF CONC. SLAB LEVEL

200

1m LONG CAVITY BATTENS WITH 100mm GAP BETWEEN ENDS, SPACED TO MATCH STUDS (600 C/C)

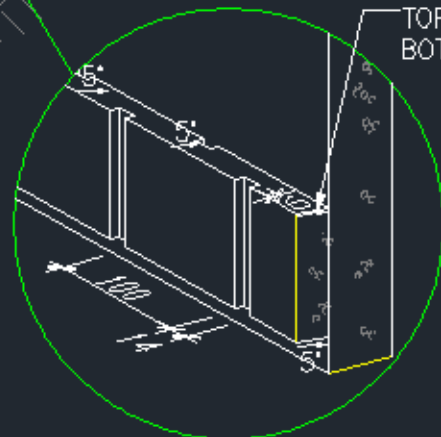
HITEX WR40 BATTEN SYSTEM OVER H3.1 50x20mm VERTICAL CAVITY BATTENS OVER FRAMEGUARD OVER H1.2 TREATED TIMBER STRICTLY TO MANUFACTURERS SPECIFICATION

CLEARANCE AS PER HITEX TABLE 1.

MIN. CLEARANCE TO UNPAVED AREA 200mm

5° FALL TOP & BOTTOM

SLAB ON GRADE



Garage Facings ALT 1
Flush

HITEX WR40 BATTEN SYSTEM OVER H3.1
50x20mm VERTICAL CAVITY BATTENS
OVER FRAMEGUARD OVER H1.2 TREATED
TIMBER STRICTLY TO MANUFACTURERS
SPECIFICATION

JAMB

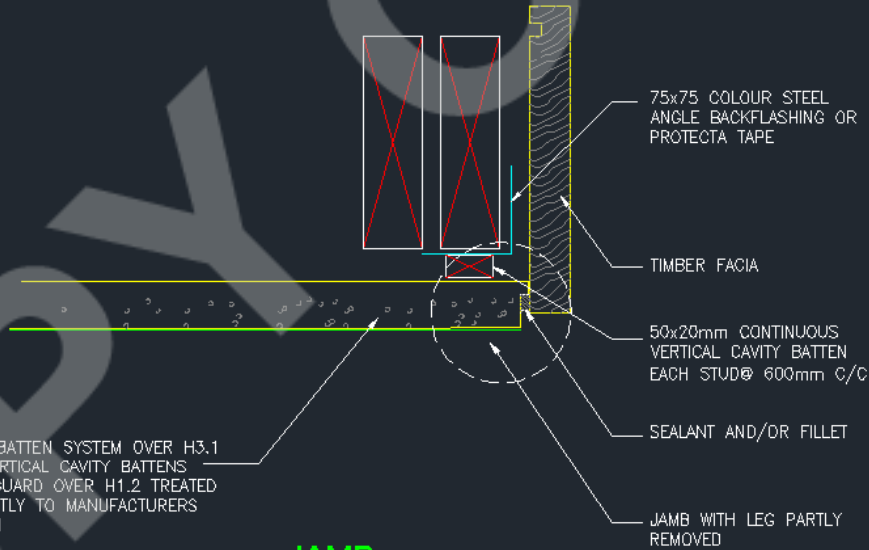
75x75 COLOUR STEEL
ANGLE BACKFLASHING OR
PROTECTA TAPE

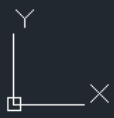
TIMBER FACIA

50x20mm CONTINUOUS
VERTICAL CAVITY BATTEN
EACH STUD@ 600mm C/C

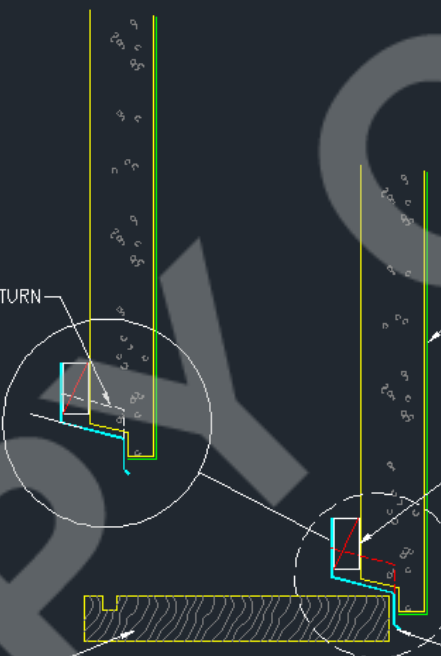
SEALANT AND/OR FILLET

JAMB WITH LEG PARTLY
REMOVED





DENOTES STOP END TURN UP AT BOTH ENDS



HITEX WR40 BATTEN SYSTEM OVER H3.1 50x20mm VERTICAL CAVITY BATTENS OVER FRAMEGUARD OVER H1.2 TREATED TIMBER STRICTLY TO MANUFACTURERS SPECIFICATION

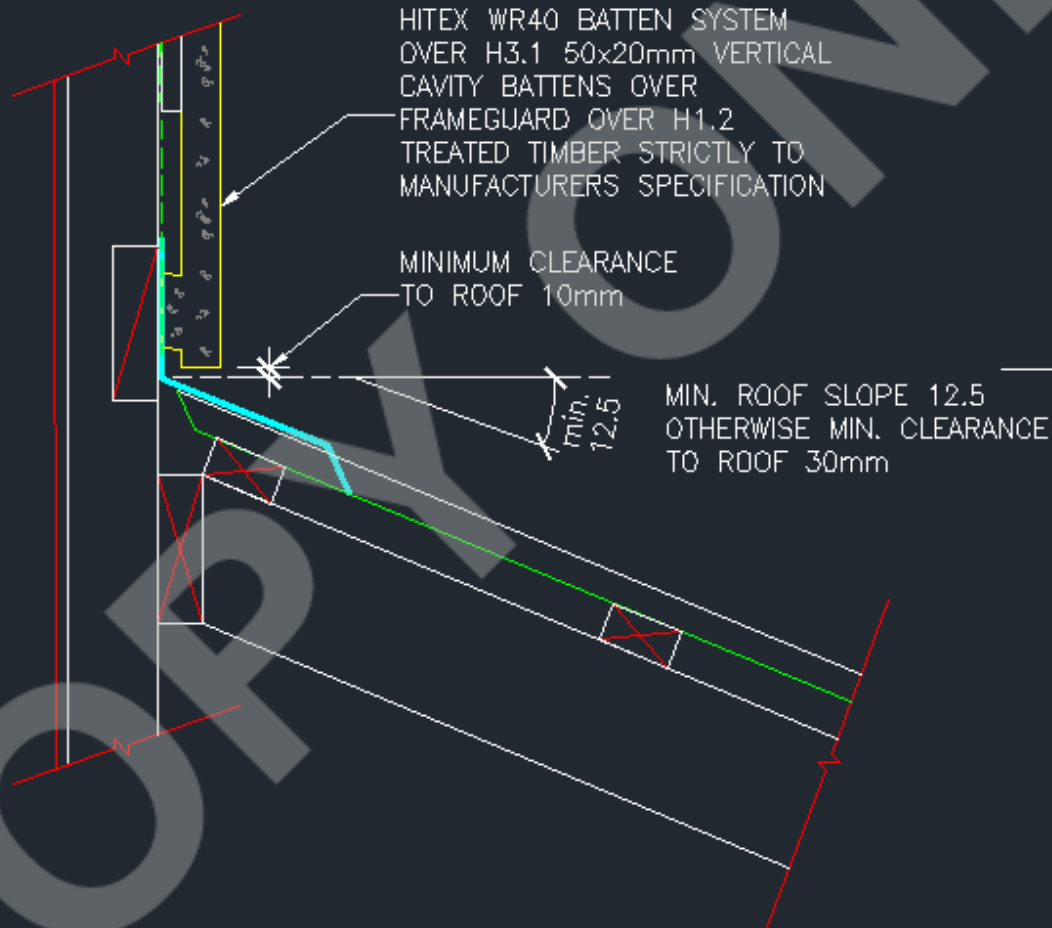
200mm LONG HORIZONTAL CAVTY BATTEN DN 3° FALL WITH 50mm DRAINAGE GAP BETWEEN

TIMBER FACIA

FLASHING

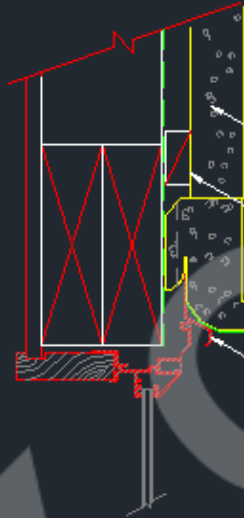
HEAD

HITEXWR40-ROOF_APRON



Roof Flashing

HITEXWR40-WINDOW-REVEAL



HITEX WR40 BATTEN SYSTEM
OVER H3.1 50x20mm VERTICAL
CAVITY BATTENS OVER
FRAMEGUARD OVER H1.2
TREATED TIMBER STRICTLY TO
MANUFACTURERS SPECIFICATION

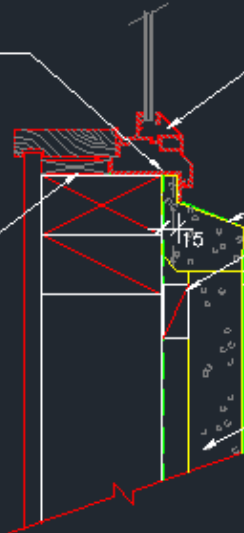
200mm LONG HORIZONTAL
CAVITY BATTEN ON 3" FALL WITH
50mm DRAINAGE GAP BETWEEN

METAL HEAD FLASHING
FITTING OVER JAMB REVEAL.

REVEAL-WINDOWHEAD

COATED SILL TRAY TO WITH
BACK AND ENDS TURNED UP.

50x10 BLOCK TO
BACK OF SILL TRAY



WINDOW FRAME WITH EXTENDED
JAMB LINER (15mm) TO ALLOW
FLASHING FOR REVEAL.

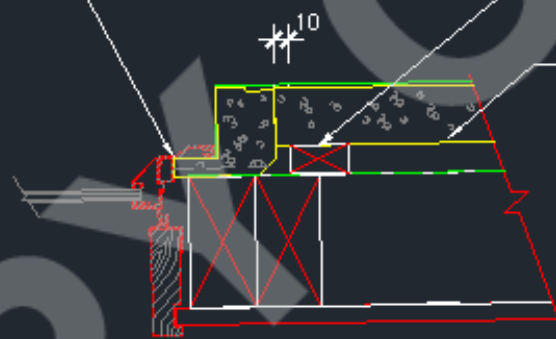
HITEX PROPRIETARY WATER
PROOFING TO ANGLED SURFACE.
SILL LEG FITS UNDER SILL TRAY,
OVER FRAMEGUARD, OVER H1.2
TREATED TIMBER

200mm LONG HORIZONTAL
CAVITY BATTEN ON 3" FALL WITH
50mm DRAINAGE GAP BETWEEN

HITEX WR40 BATTEN SYSTEM OVER
H3.1 50x20mm VERTICAL CAVITY
BATTENS OVER FRAMEGUARD OVER
H1.2 TREATED TIMBER STRICTLY TO
MANUFACTURERS SPECIFICATION

REVEAL-WINDOWSILL

WINDOW FRAME WITH EXTENDED
JAMB LINER (15mm) TO ALLOW
FLASHING FOR REVEAL.



50x20mm CONTINUOUS
VERTICAL CAVITY BATTEN
EACH STUD@ 600mm C/C

HITEX WR40 BATTEN SYSTEM OVER
H3.1 50x20mm VERTICAL CAVITY
BATTENS OVER FRAMEGUARD OVER
H1.2 TREATED TIMBER STRICTLY TO
MANUFACTURERS SPECIFICATION

REVEAL-WINDOWJAMB