NBK | Ceramic
ARCHITECTURAL TERRACOTTA

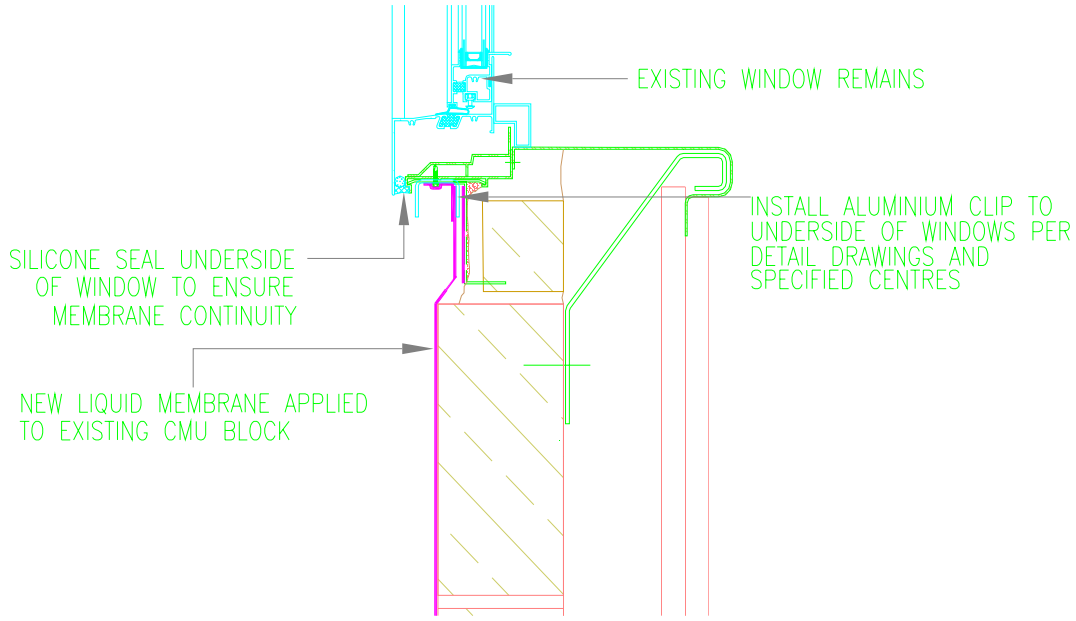
215 East 68th Street NBK Terracotta Rainscreen Method Statement

Rainscreen overcladding sequence

Over-cladding preparation works prior to Terracotta system

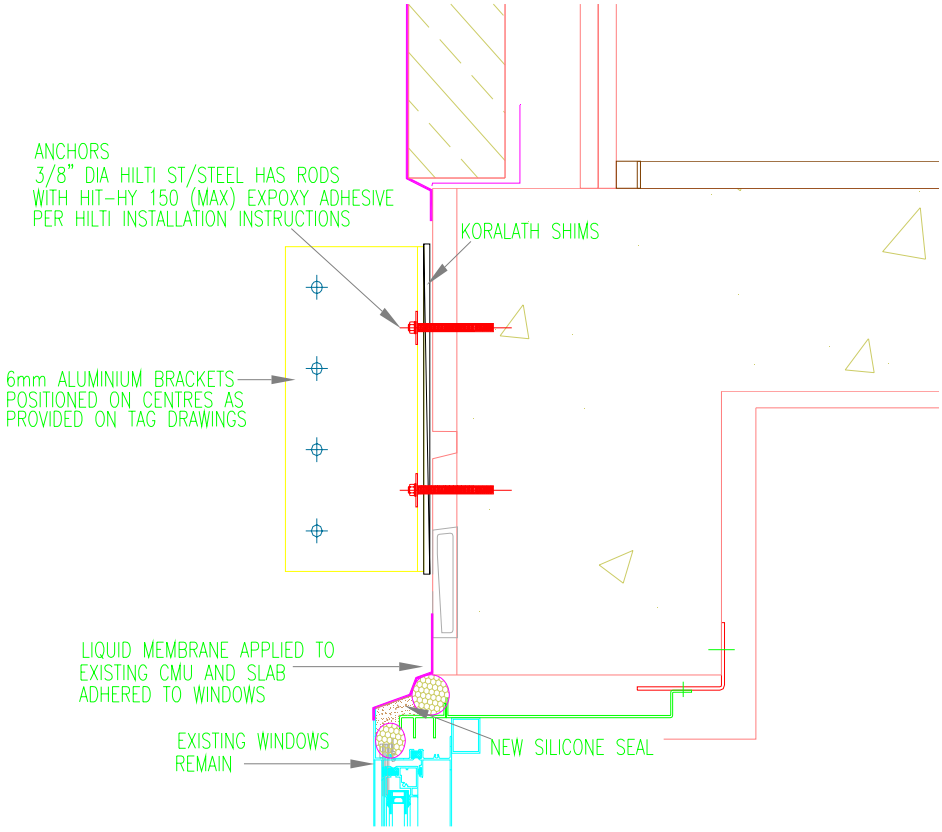
- Protection.
- Demolition of existing brick facade.
- Shore existing windows.
- Close off brick vents.
- Abate works
- Parge wall
- Parge sills
- Parge Reglet
- Seal all window joints with structure
- Membrane existing inner CMU wall
- Final seal between wall new membrane and window seals

NBK system initial stages



Works to window sill area

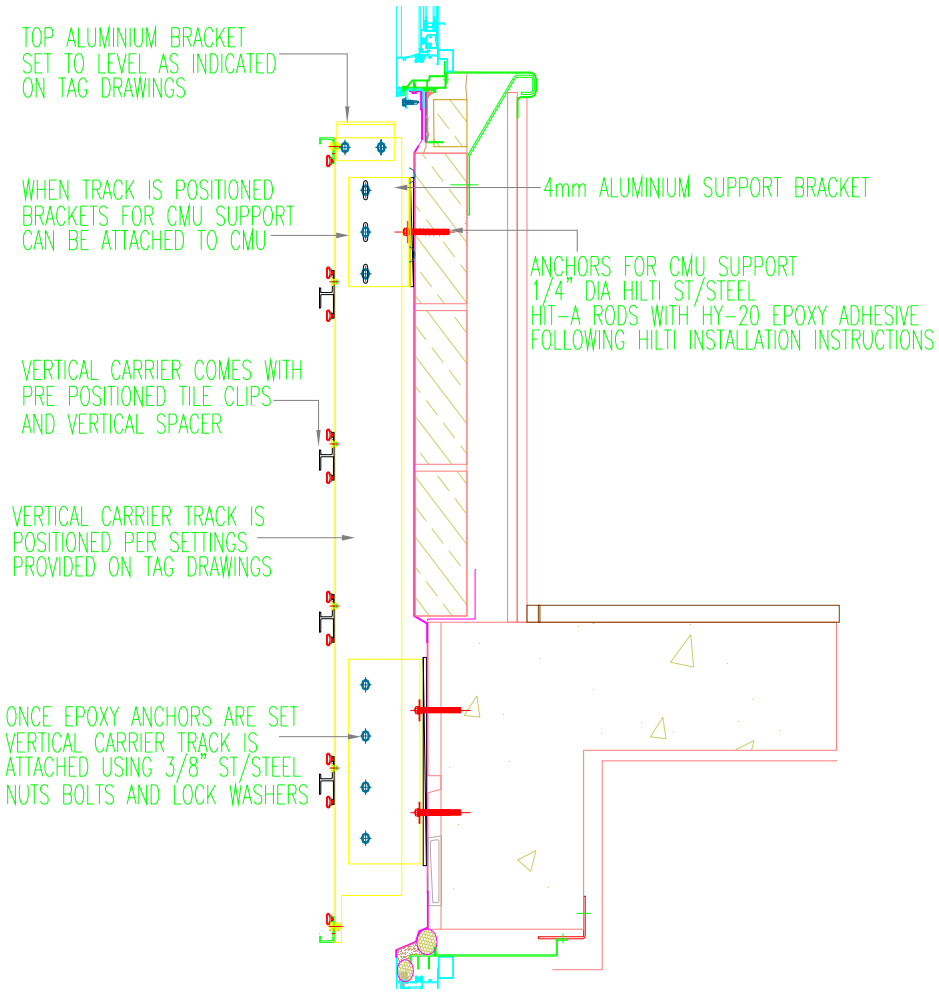
- Install aluminium clips to underside of window sill
- Seal between window edge and new membrane as shown
- Ensure new clip has membrane/seal applied (note this may come under the previous stage)



Works to window head area

- Set lines for bracket/anchors to levels and centres provided on tag drawings
- Drill holes to the set depths as specified and apply anchors per Hilti installation instructions
- Attach brackets once anchor cure time is reached

Photo shows brackets installed with vertical tracks attached (note string line)

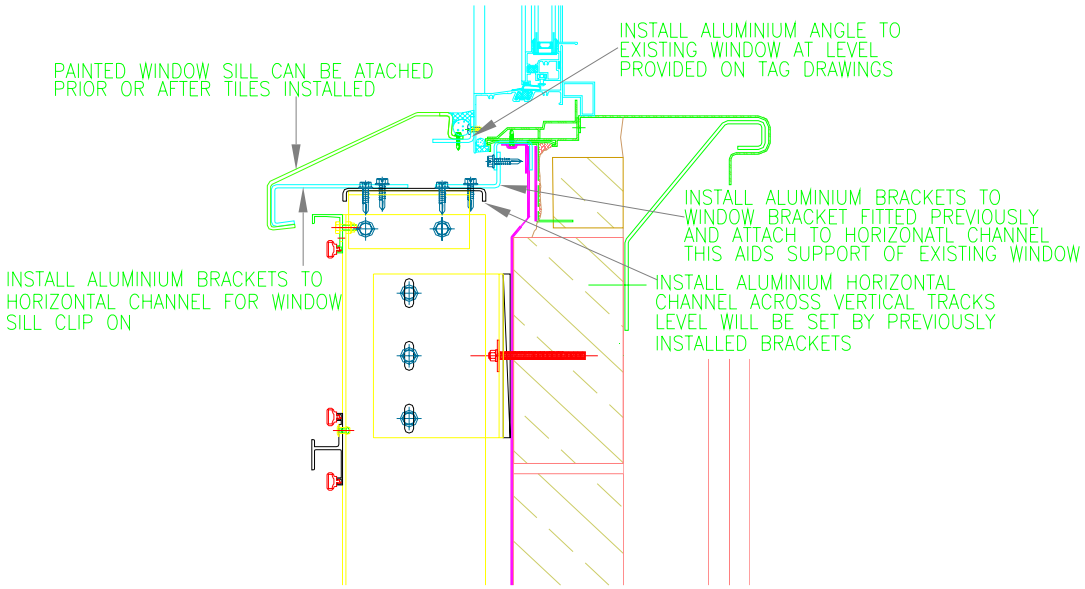


Attachment of overcladding vertical track

- Once epoxy anchors are cured and main bracket set in position vertical carrier can be installed
- Vertical carrier will be set to levels, centres and plane to information provided on tag drawings
- Final position is obtained by slotted horizontal holes to bracket with level and plane locked by drilling into vertical track through predrilled holes in bracket
- When vertical track is fastened to bracket at slab it becomes a rigid member that enables support brackets to be attached to the web of the track and fastened back to provide lateral support for the existing CMU as shown on the detail above
- Also attached to the top of the vertical tracks are brackets that will support the new window sill profile.

Photo shows run of vertical tracks set at correct levels and positions

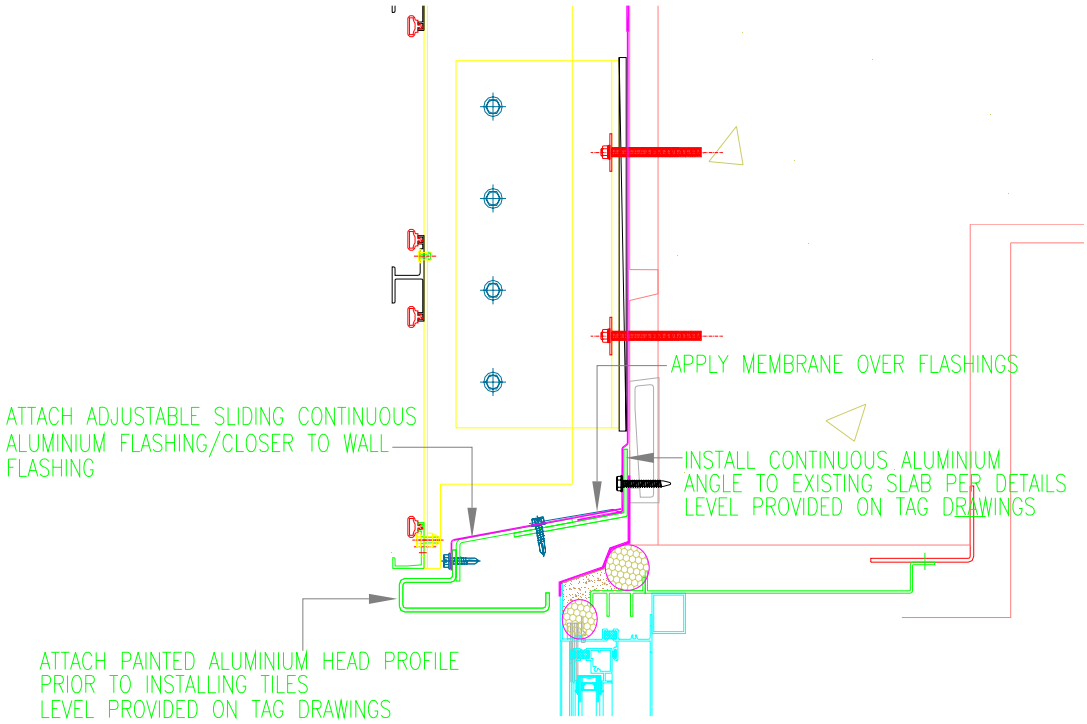
NBK system secondary works



Window sill components

- Install continuous aluminium horizontal channel across vertical carrier
- Attach aluminium brackets to previously fitted clips to underside of windows and the new horizontal channel (this aids lateral support for the existing windows)
- Install aluminium angles to the existing window outer extrusion profile
- Attach aluminium sub sill brackets to new horizontal channel
- New painted sill can be attached prior or after new terracotta tiles are inserted

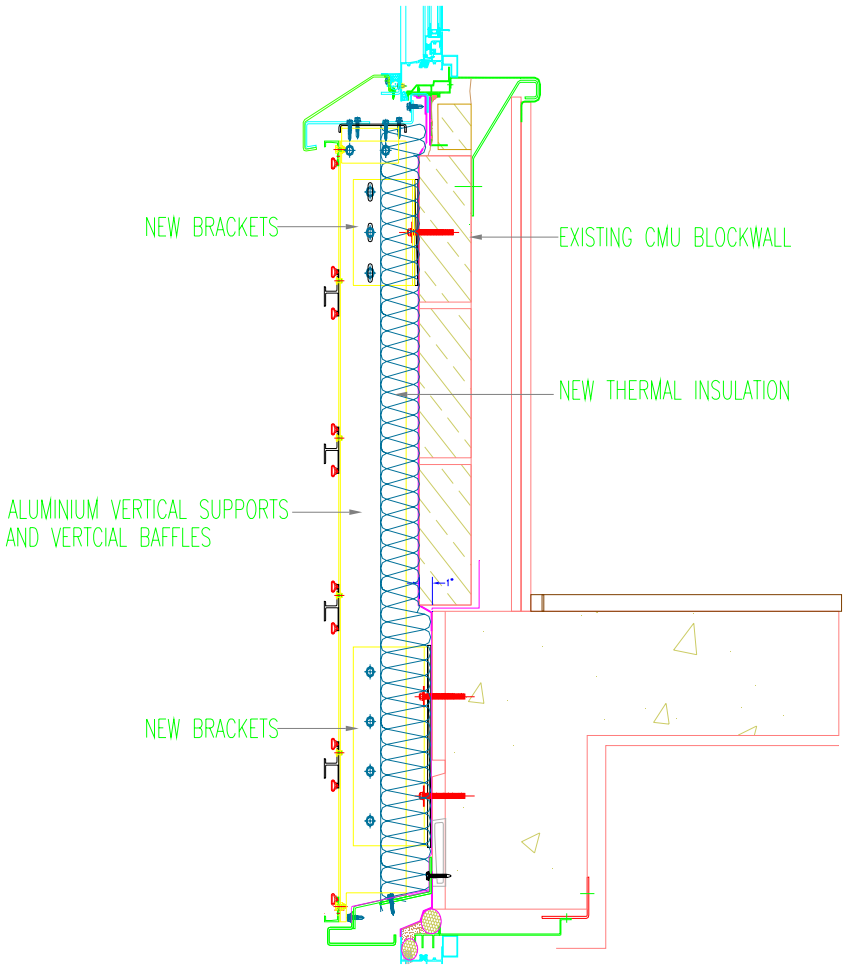
Photos shows sill horizontal channel with sill part installed with tiles



Window head components

- Install continuous aluminium horizontal flashing to existing slab
- Attach aluminium adjustable sliding closer flashing to base flashing
- Apply membrane over flashings from main wall membrane
- Attach new painted head flashing to level provided on tag drawings. Plane will be set by sliding flashing position

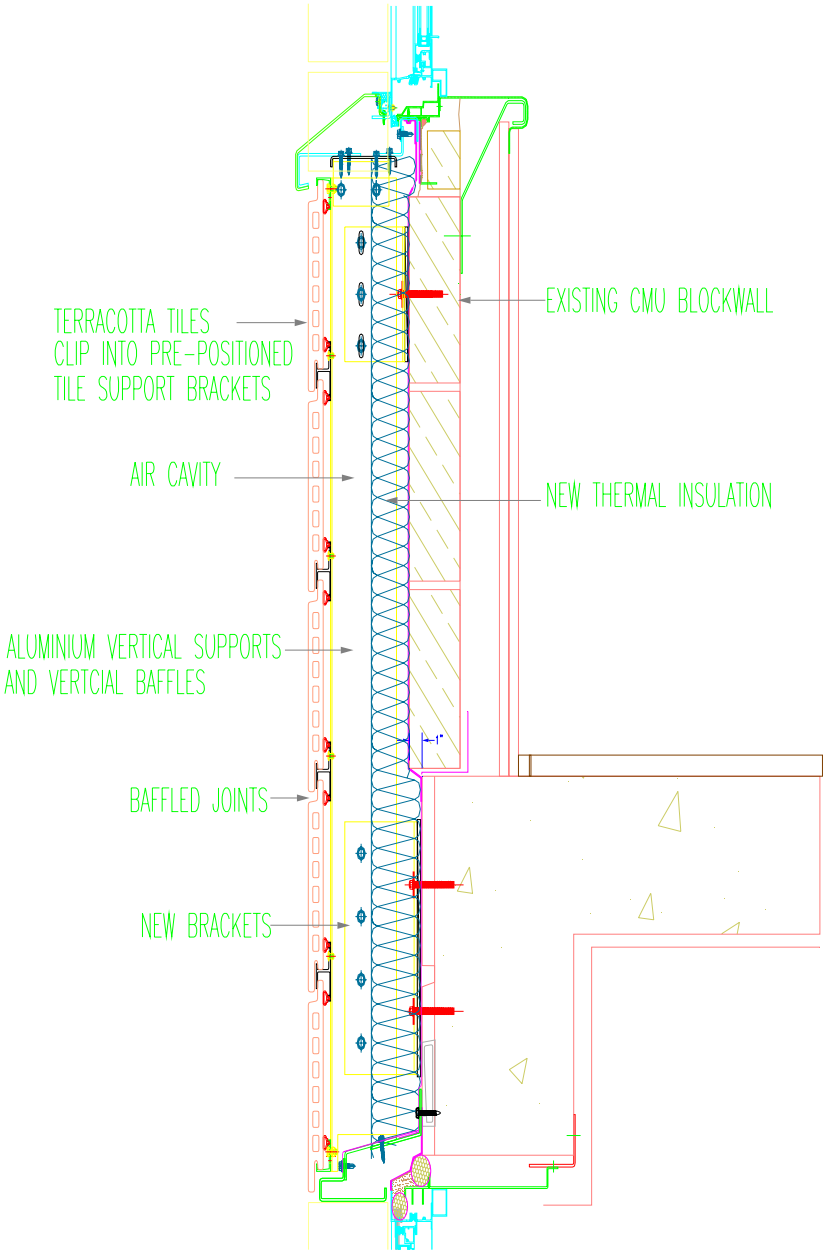
NBK system final works



Insulation

- Install continuous semi rigid insulation per specification. Ensure no gaps between batts

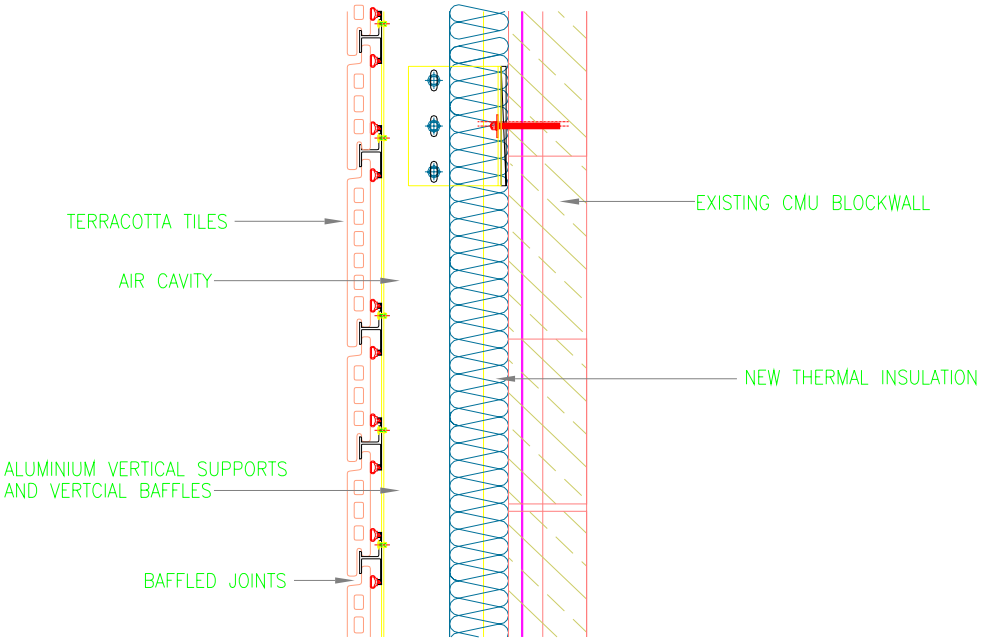
Photos shows insulation batts retained via aluminium angles



Insert Terracotta tiles

- Once all procedures have been followed and checked terracotta tiles can be inserted into pre positioned clips
- Remove any protection
- Clean Windows
- Clean tiles

Photos shows tiles inserted with sills in place and showing part insulation



NBK system at Non Visions areas

- System at non vision areas follows principle vision area procedures
- Bracket to slab attachments and vertical track positioning
- Retaining bracket to existing CMU attachments
- Closer flashings at floor slab positions level with head flashing details
- Insulation attachment
- Tile installation