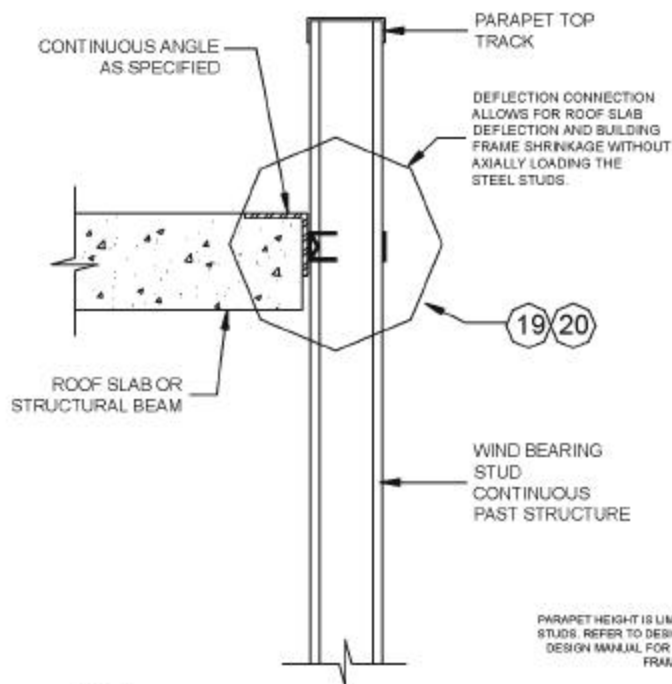


Lightweight Steel Framing Details- *Wind Bearing Walls*

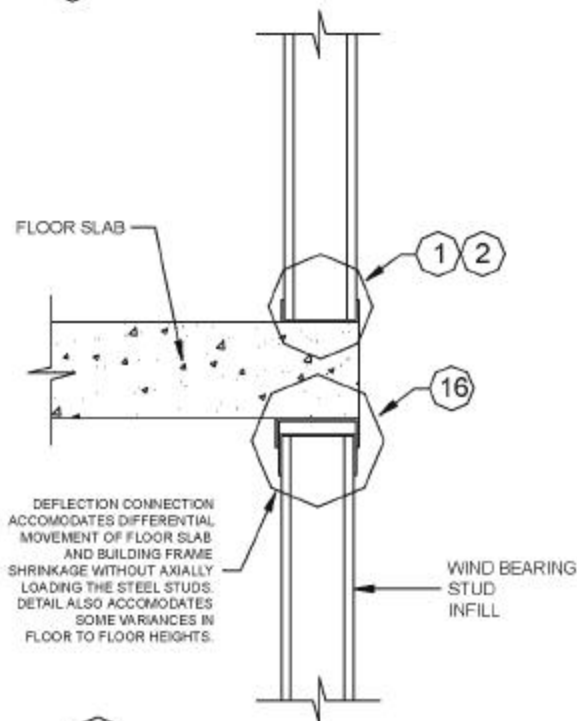
CSSBI 59-04-B
November 2004



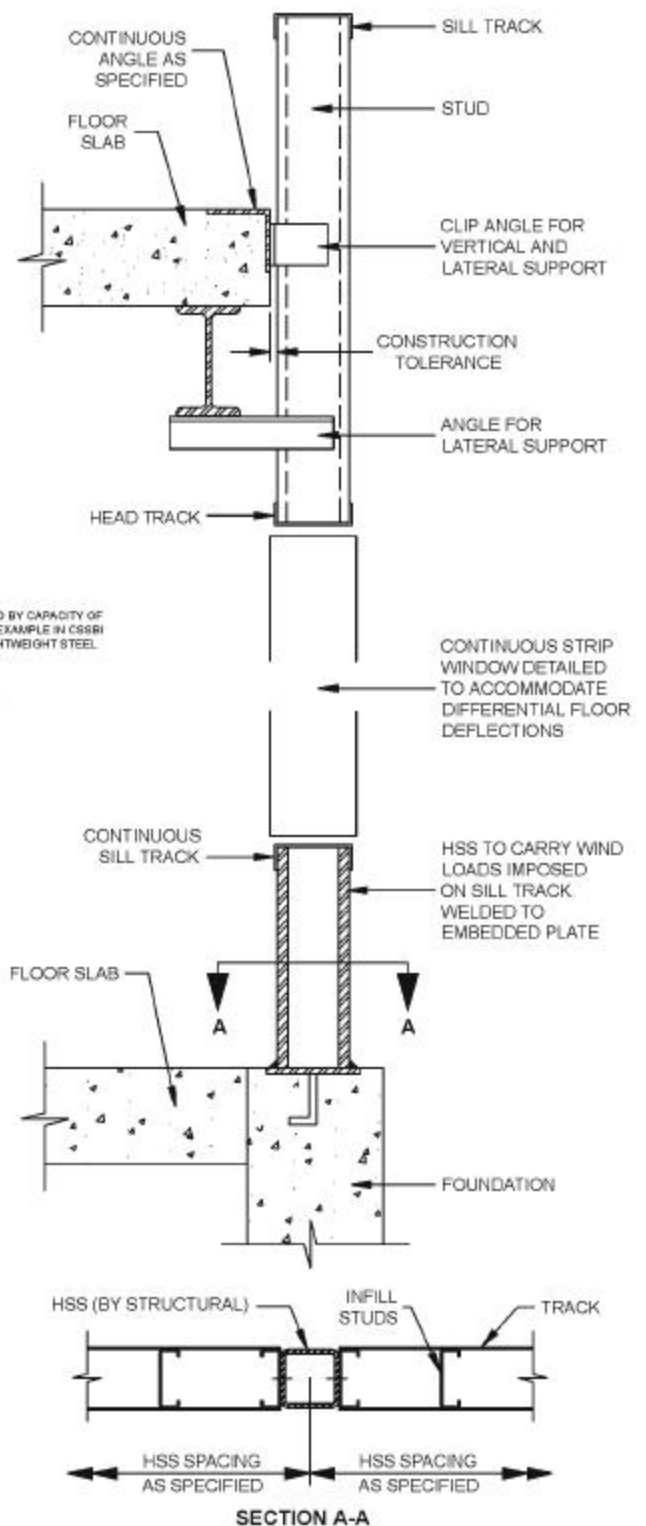
WIND BEARING WALLS



13 CONTINUOUS WIND BEARING STUD AT PARAPET

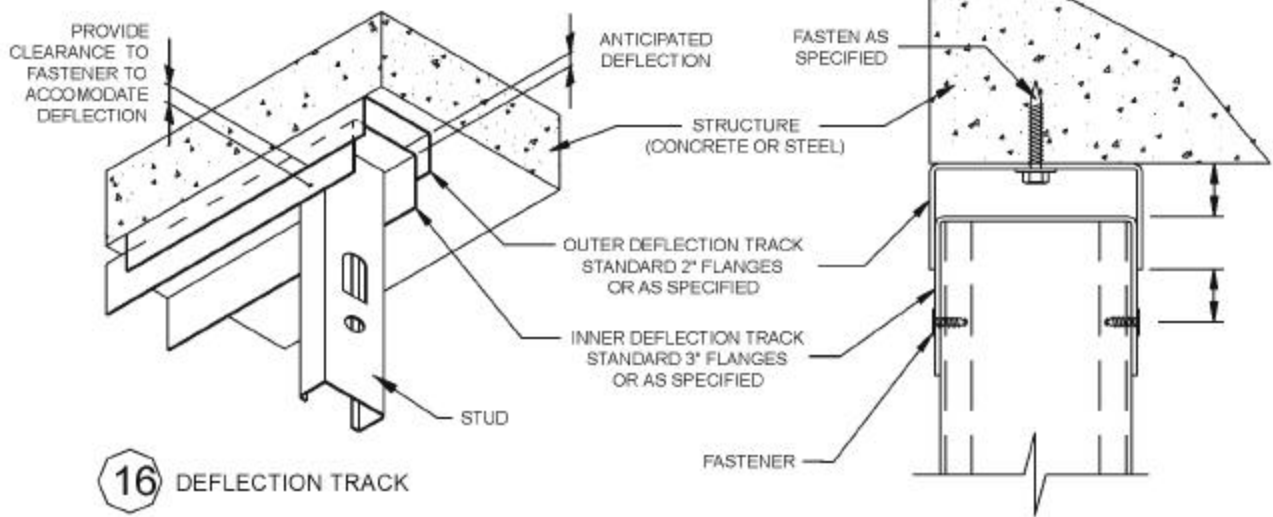


14 WIND BEARING INFILL WALL

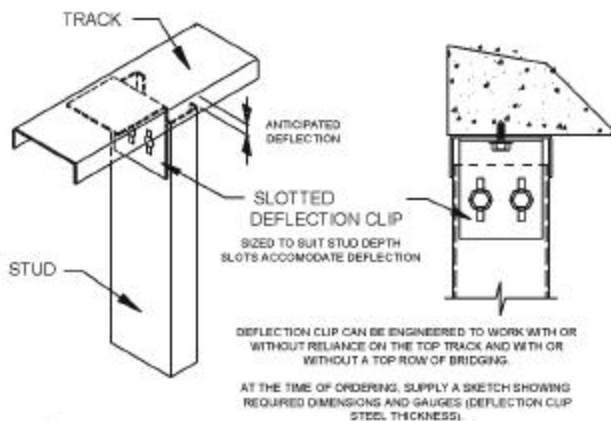


15 SPANDREL WALL FOR STRIP WINDOWS

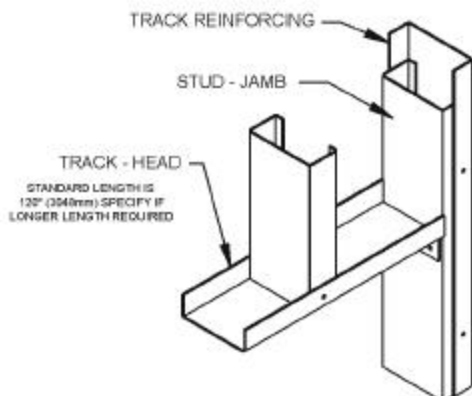
WIND BEARING WALLS - DEFLECTION DETAILS



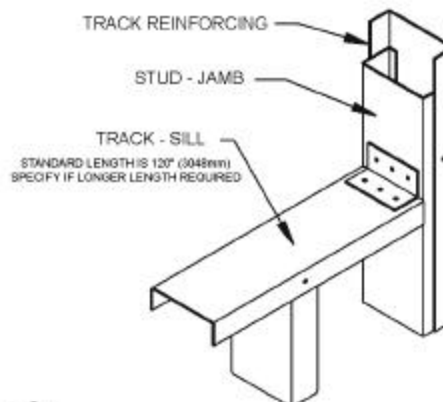
16 DEFLECTION TRACK



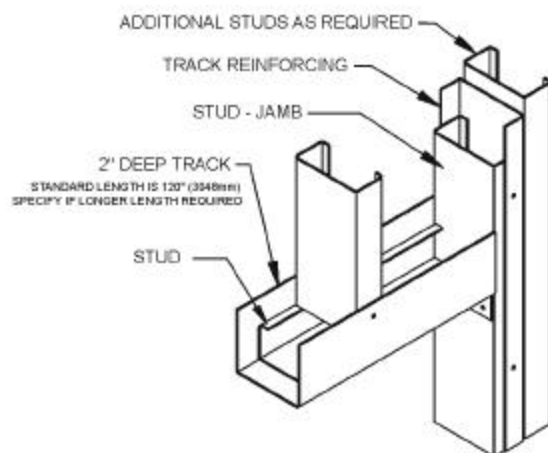
WIND BEARING WALLS AT OPENINGS



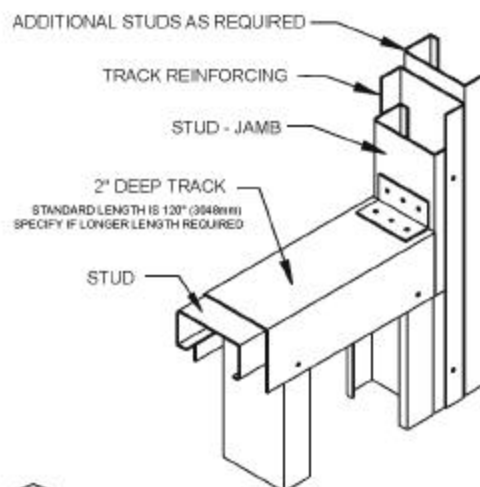
21 HEAD TRACK TO JAMB STUDS



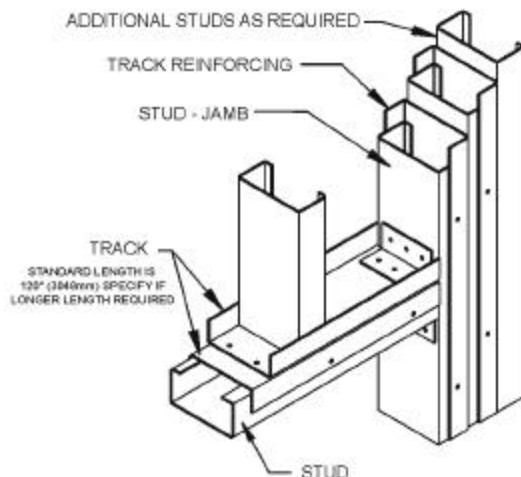
22 SILL TRACK TO JAMB STUDS



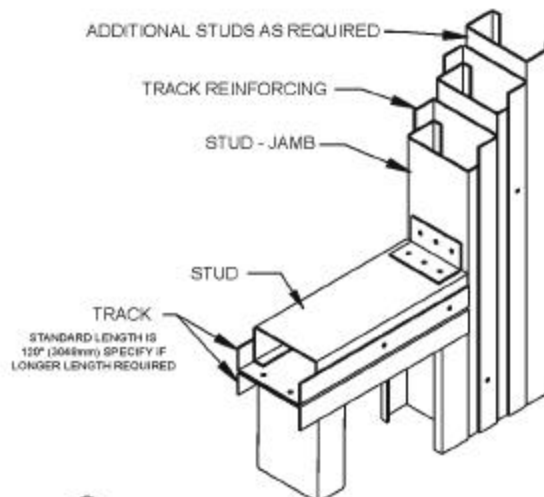
23 REINFORCED HEAD TRACK TO JAMB STUDS



24 REINFORCED SILL TRACK TO JAMB STUDS

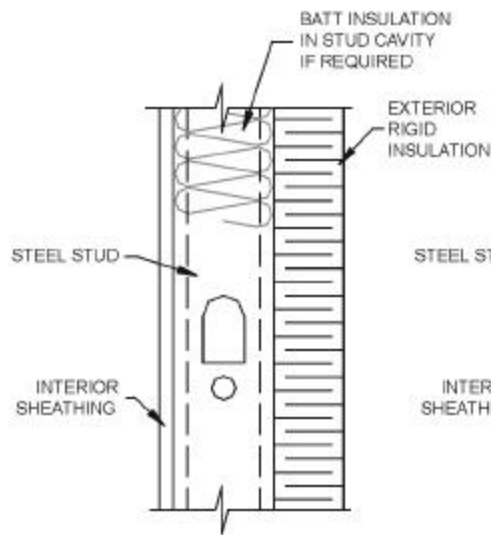


25 BUILT-UP HEAD TRACK TO JAMB STUDS

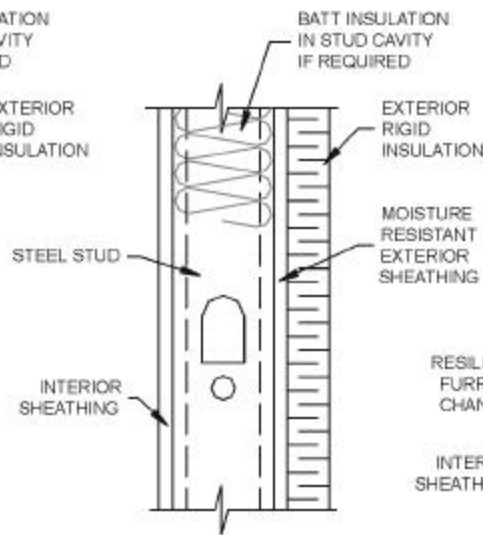


26 BUILT-UP SILL TRACK TO JAMB STUDS

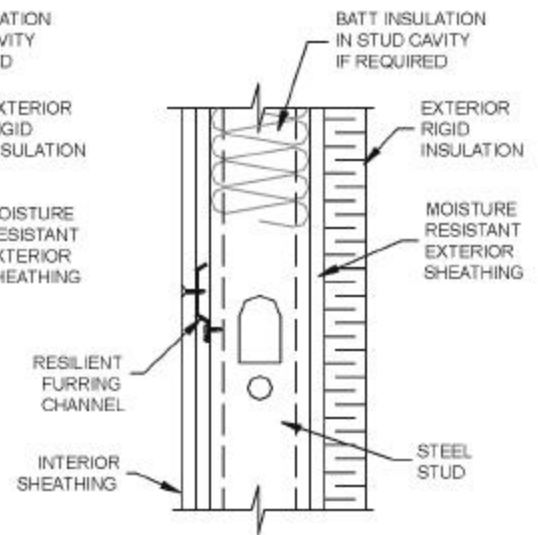
WALL SECTIONS



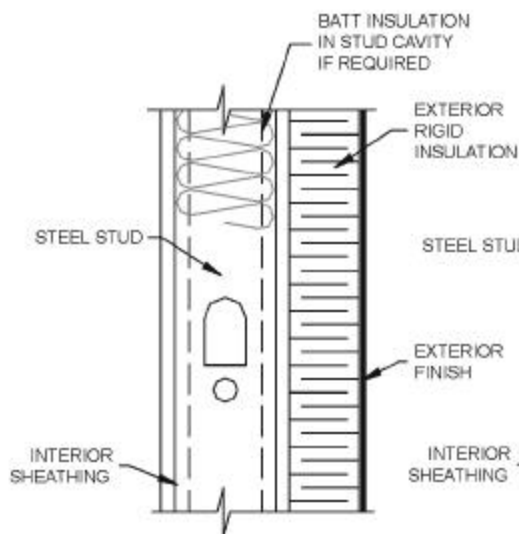
27 EXTERIOR RIGID INSULATION WITHOUT EXTERIOR SHEATHING
(EXTERIOR FINISH NOT SHOWN)



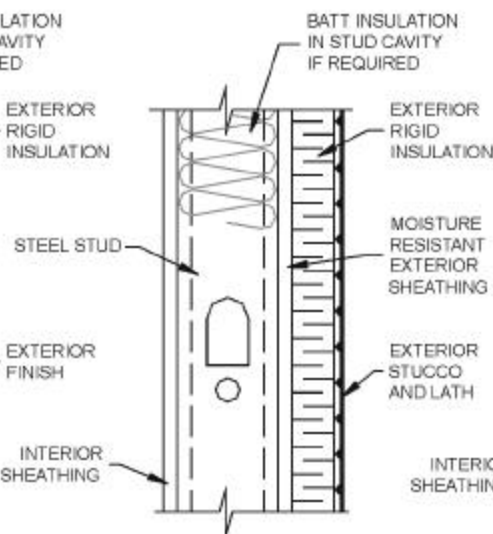
28 EXTERIOR RIGID INSULATION WITH EXTERIOR SHEATHING
(EXTERIOR FINISH NOT SHOWN)



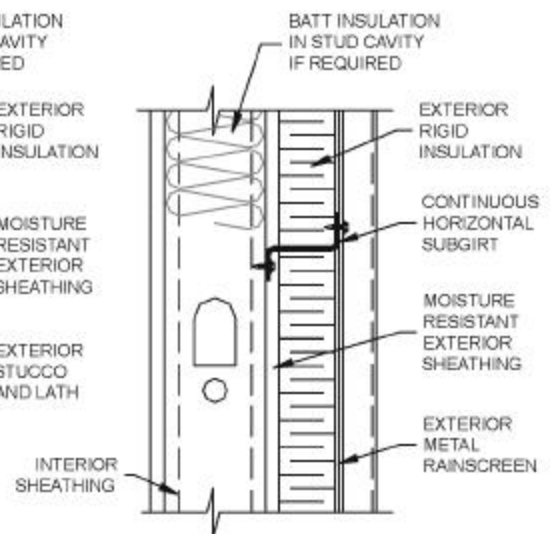
29 RESILIENT FURRING CHANNEL
(EXTERIOR FINISH NOT SHOWN)



30 EXTERIOR INSULATION AND FINISH SYSTEM (EIFS)



31 EXTERIOR STUCCO AND METAL LATH



32 EXTERIOR METAL WALL PANEL

BRICK CONNECTORS

Brick connectors for steel stud rain-screen wall systems must meet the structural and performance requirements of CSA A370-94 Connectors for Masonry and CSA S304.1 Masonry Design for Buildings (Limit States Design).

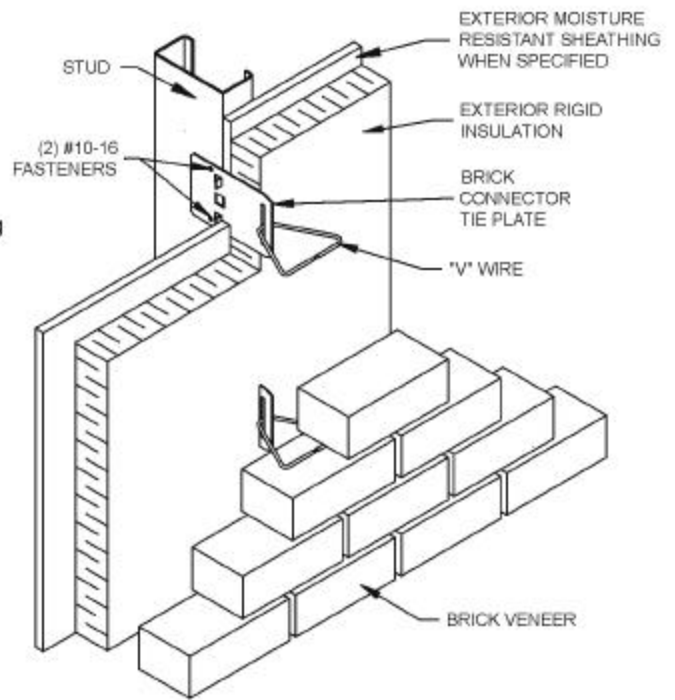
Two common brick connector systems are available consisting of steel tie plates, v wires and fasteners:

HDG - Hot-Dip-Galvanized after fabrication system.
SS - Stainless Steel system.

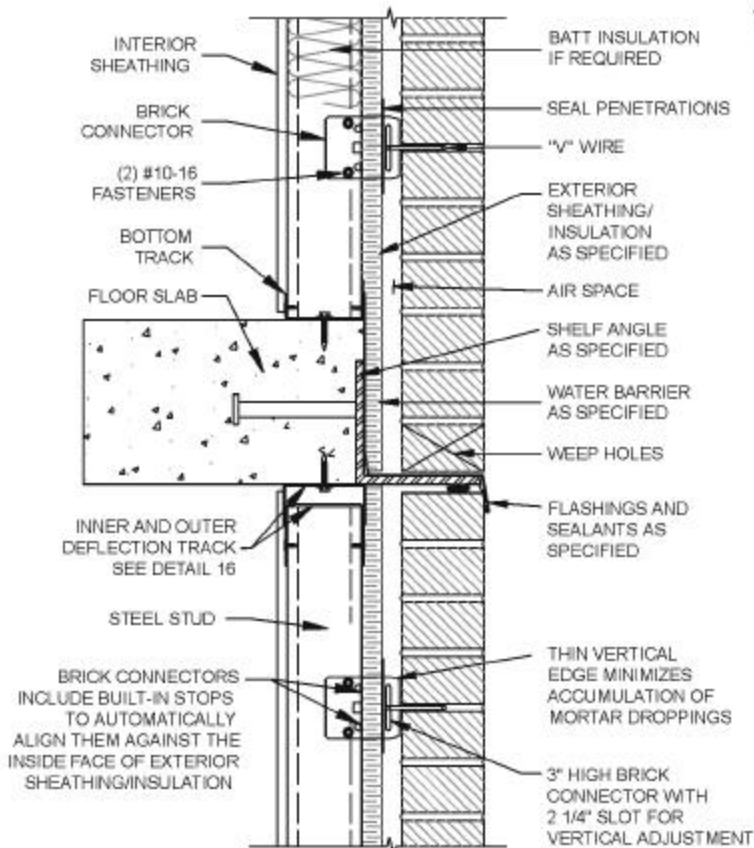
Both systems include "bayonet" style tie plates that attach directly to the web of the steel studs ensuring that the fasteners are located in the warm and dry cavity and loaded in shear when transferring the loads to the studs.

Tie plates are available in a variety of lengths to accommodate exterior sheathing/insulation thickness.

To simplify site coordination and ensure that brick connectors are included in the LSF Engineers' design and shop drawings, brick connectors can be specified to be supplied and installed by the steel stud sub-contractor.



33 BRICK CONNECTORS TO STEEL STUDS



34 WIND BEARING STEEL STUD WALL WITH BRICK VENEER AND SHELF ANGLE

(Air Barrier / Vapour Barrier Not Shown)

BRICK CONECTOR COMPONENTS

