WINDOW INSTALLATION

9.0

❌ **PROBLEM TO AVOID** WINDOWS INSTALLED FORWARD OF DESIGN POSITION

! COLDSPOT
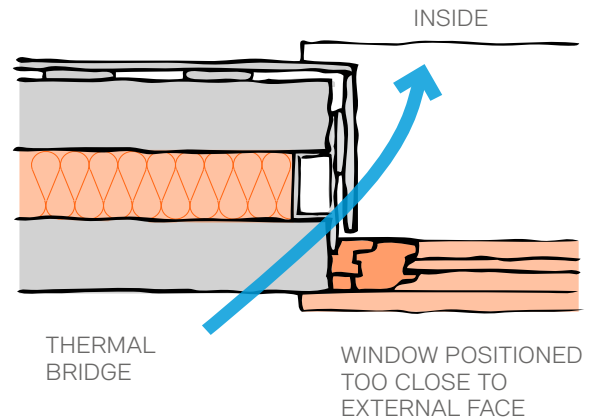
NO OVERLAP OF WINDOW AND CAVITY

INSIDE

THERMAL BRIDGE

WINDOW POSITIONED TOO CLOSE TO EXTERNAL FACE

✔ **WHAT TO DO?**

- Close the cavity with tightly packed insulation (1)

- Insulation to window reveal (2)

- Window fitter to provide cill to suit set back of frame (3)

- Less than 10mm tolerance between window frame and structural opening

- Overlap frame with cavity as much as possible - minimum 30mm (4)

- Check trickle vent sizes as design

- Use continuous cavity closer

INSIDE

PLAN

WINDOW CILL
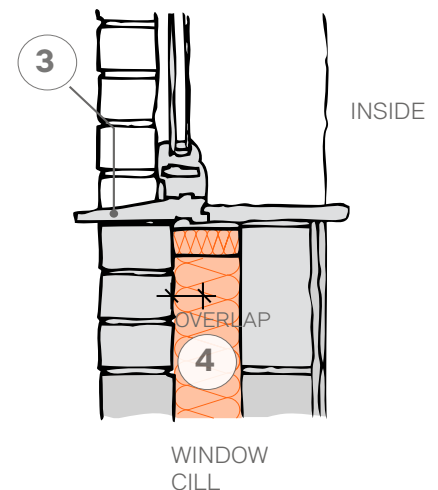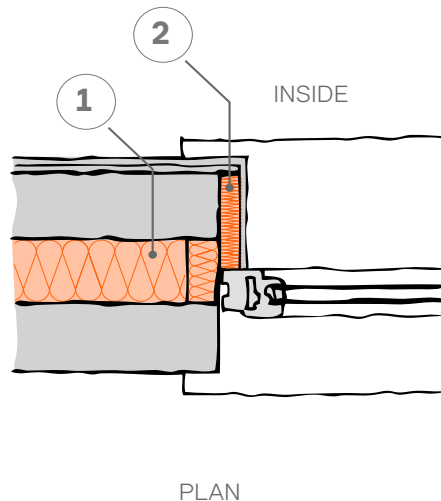
OVERLAP

GOOD PRACTICE A large overlap with cavity will improve thermal performance. For improved airtightness, use air barrier tapes between the window/door and structure

BAY WINDOWS

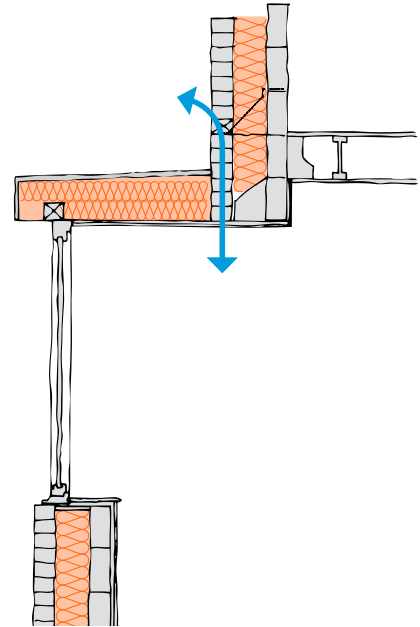**10.0**

✕ PROBLEM TO AVOID   COLD BRIDGING
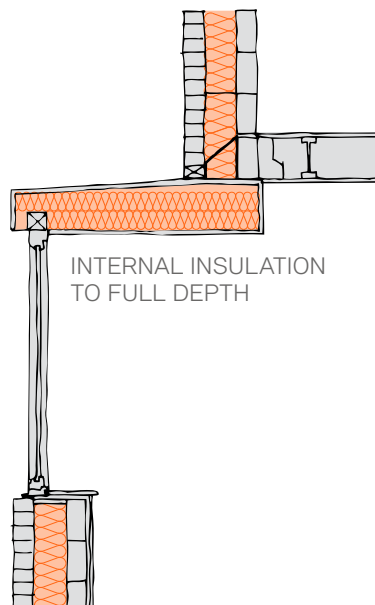
! COLDSPOT

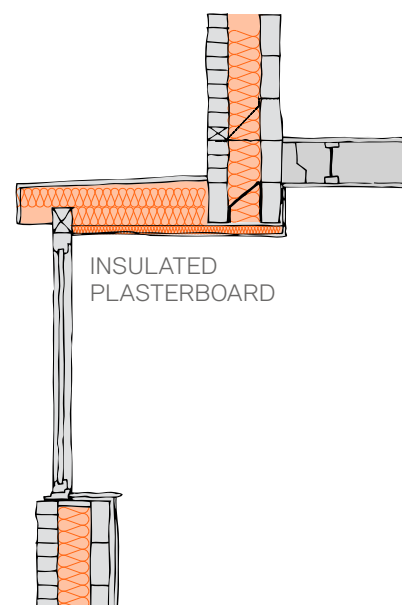THICK FRAME AND POSTS INCREASES HEAT LOSS

✓ WHAT TO DO?

- Reduce cold bridges of steel or concrete or timber through insulation layer

- Continuous insulation inside

- Less than 10mm tolerance between window frame and opening

OPTION 1

INTERNAL INSULATION TO FULL DEPTH

OPTION 2

INSULATED PLASTERBOARD

GOOD PRACTICE   Continuous insulation throughout bay window

PROJECTING WINDOWS

11.0

❌ **PROBLEM TO AVOID**   COLD BRIDGING

CONTINUOUS
STEEL CREATES
COLD BRIDGE

INSIDE

COLD SPOT

UNINSULATED STEEL
& CONCRETE
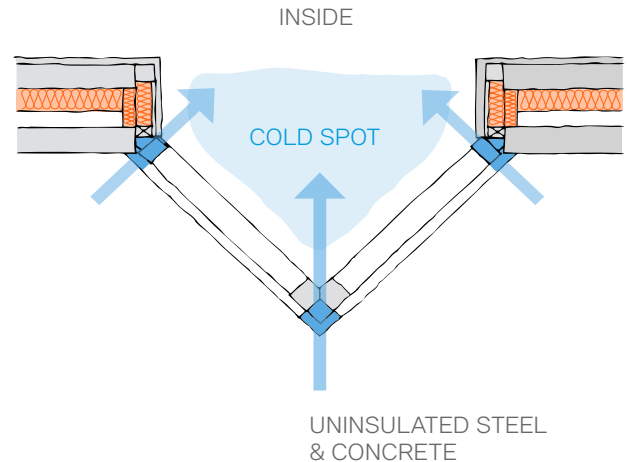
✓ **WHAT TO DO?**

- **Reduce thermal bridges of steel, concrete or timber through insulation layer**

- **Install continuous insulation outside structure**

- **If GRP structure, ensure sufficient thickness of continuous insulation as design**

- **Wrap insulation around steelwork**

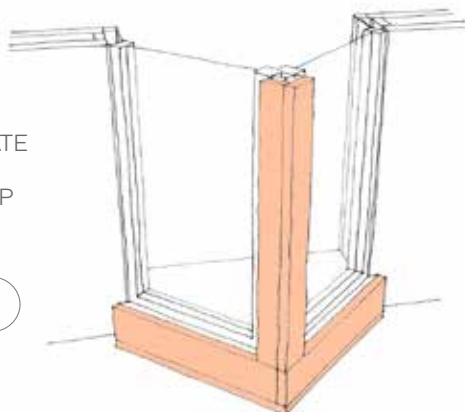- **Install thermal laminate plasterboard to inside face**

STEEL AND
TIMBER
STRUCTURE

1
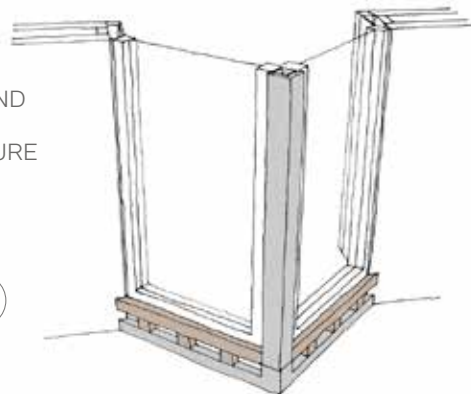
FULLY
INSULATE
STEEL
TO KEEP
'WARM'

2

GOOD PRACTICE   **Design to wrap structure with insulation**