

# Detail D-1 – EconiClay™ Exterior Wall Assembly (Type III – WUI)

Detail Reference: A-5.20

Type III non-combustible exterior wall assembly for California WUI zones.



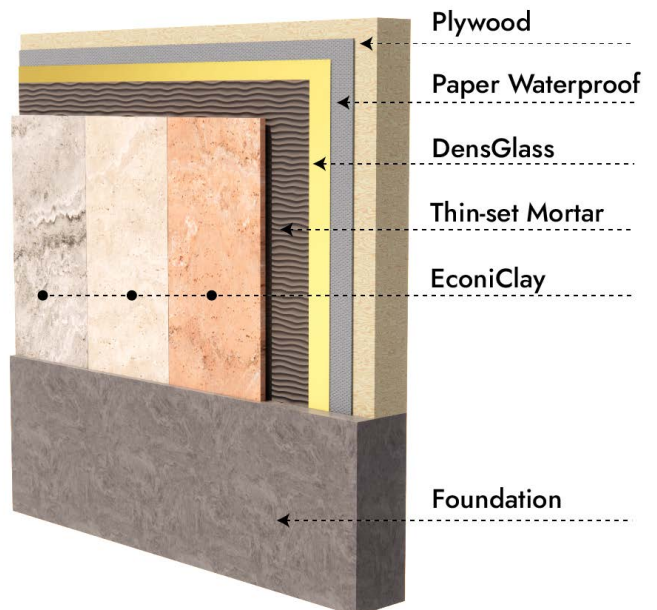
A-5.20

## Keynotes / Fire Callouts:

- Surface finish: non-combustible mineral-based panel
- ASTM E84: Class A surface burning characteristics
- WUI compliance per OSFM SFM 12-7A (assembly dependent)
- Maintain continuity of fire-resistive WRB and sheathing



## EconiClay Exterior Installation



# Detail D-2 – EconiClay™ Exterior Wall Assembly (Type V – WUI)

Detail Reference: A-5.21

Type V combustible structure with non-combustible exterior finish.

EconiClay™ Surface Panel (Non-Combustible)
5/8" DensGlass Sheathing
Fire-Resistive WRB
Type X Exterior Gypsum Sheathing
Wood Studs with Insulation
Interior Gypsum Board

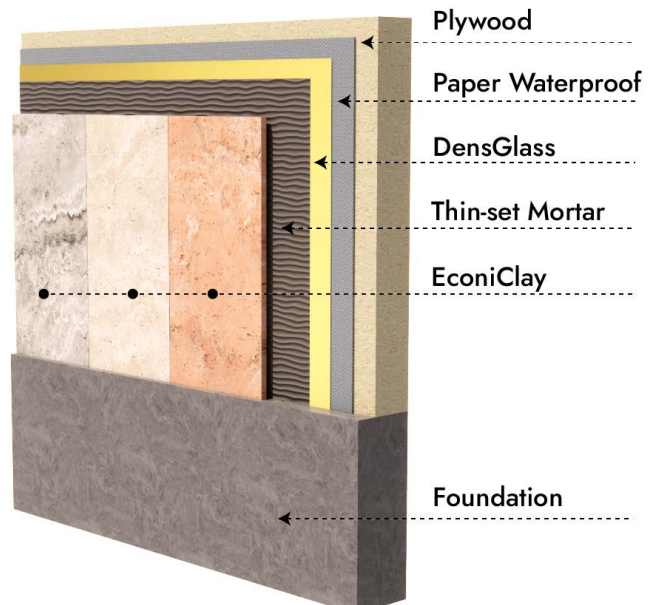
A-5.21

### Keynotes / Fire Callouts:

- Non-combustible exterior surface over combustible framing
- ASTM E84 Class A surface performance
- WUI approval based on complete tested wall assembly
- Coordinate fastening with fire-resistive sheathing



### EconiClay Exterior Installation



# Detail D-3 – EconiClay™ Podium / Mid-Rise Assembly (Type I)

Detail Reference: A-5.22

Fire-resistive podium construction with continuous insulation.



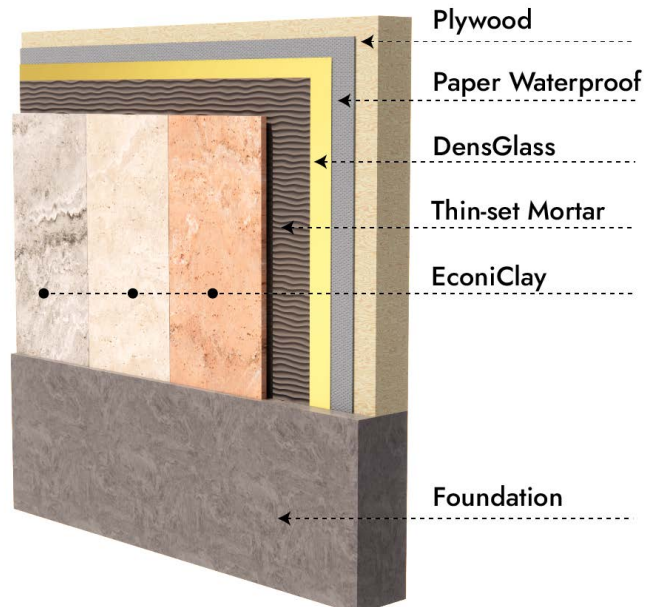
A-5.22

## Keynotes / Fire Callouts:

- Exterior finish is non-combustible
- Wall fire-resistance rating per structural design (1-hr / 2-hr)
- ASTM E84 Class A surface characteristics
- Coordinate insulation attachment to maintain rating



## EconiClay Exterior Installation



# Detail D-4 – EconiClay™ Exterior Wall Assembly (Type II)

**Detail Reference:** A-5.23

Non-combustible mid-rise exterior wall assembly.

EconiClay™ Surface Panel (Non-Combustible)
5/8" DensGlass Sheathing
Fire-Resistive WRB
Type X Exterior Gypsum Sheathing
Metal Studs with Insulation
Interior Gypsum Board

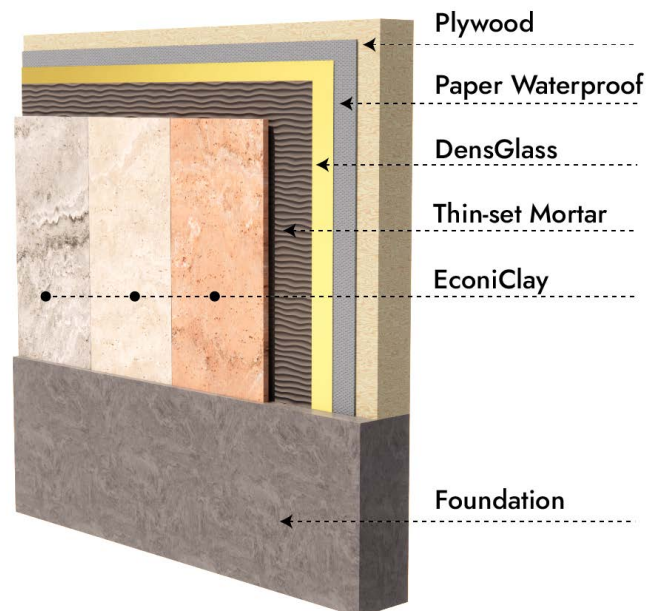
A-5.23

## Keynotes / Fire Callouts:

- Fully non-combustible wall assembly
- ASTM E84 Class A surface burning characteristics
- WUI compliance subject to assembly evaluation
- Coordinate fire stopping at floor lines



## EconiClay Exterior Installation



# Detail D-5 – EconiClay™ Panel Joint & Edge Detail

Detail Reference: A-5.24

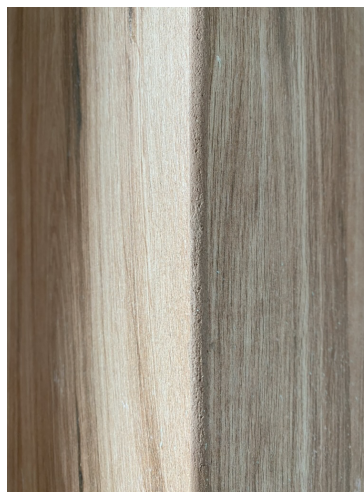
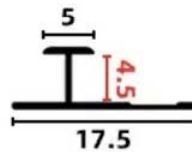
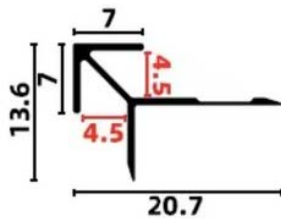
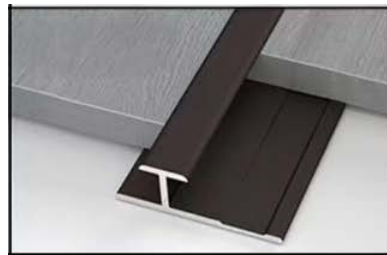
Typical panel joint and edge condition.



A-5.24

## Keynotes / Fire Callouts:

- Maintain non-combustible joint materials
- Seal joints to maintain weather and fire performance
- Joint layout per manufacturer recommendations



## Detail D-6 – EconiClay™ Base / Termination Detail

**Detail Reference:** A-5.25

Base condition at grade or slab edge.



A-5.25

### **Keynotes / Fire Callouts:**

- Maintain clearance above grade per code
- Provide fire- and moisture-resistant termination
- Coordinate WRB continuity

# Detail D-7 – EconiClay™ Window & Opening Interface

**Detail Reference:** A-5.26

Window head, jamb, and sill interface detail.

EconiClay™ Panel
Flashing & WRB Integration
Window Frame
Interior Finish

A-5.26

## Keynotes / Fire Callouts:

- Maintain fire-resistive continuity at openings
- Integrate flashing with WRB
- Seal penetrations per WUI requirements

