Hunter Xci Ply and Xci Ply (Class A) – Wall Assembly Guide Summary

Per Chapter 26 of the International Building Code, the wall assembly shall be tested in accordance with and comply with the acceptance criteria of NFPA 285. The listed assemblies in this document have met that criteria.

I BASE WALL SYSTEM
FRTW (Fire-retardant-treated wood) studs: min nominal 2x4 dimension, spaced 24" o.c. (max) with 5/8" type X Gypsum Wallboard Interior and bracing as required by code.

II CLADDING FAMILY TYPE
Masonry—Brick veneer anchors, standard types, installed maximum 24 inches o.c. vertically. Maximum 2 inch air gap between exterior insulation and brick. Standard nominal 4 inch thick or greater, clay brick.

Thin Brick, Cultured Stone—Set in thin set adhesive and metal lath that has been tested to and passed the ASTM E119 standards or passed NFPA 285 at ¾" minimum.

TABS Panel II System—½" thick bricks using TABS Wall Adhesive. Glen Gery - Thin Tech Elite.

Limestone or Natural Stone—Minimum 1.25" thick, Limestone or Natural Stone Veneer. Any standard non-open joint installation technique can be used.

Stone Aluminum—Stone Aluminum Honeycomb Composite Panels that have been successfully tested by the panel manufacturer via the NFPA 285 test method. Any standard installation technique can be used.

Cast Artificial Stone—Minimum 1½" thick complying with ICC-ES AC51. Any non-open joint installation technique such as shiplap may be used.

Fiber Cement Porcelain, Ceramic Tile—Minimum ¼" thickness. Any standard installation technique can be used.

Terra Cotta Cladding—Use any Terra Cotta Cladding System in which Terra Cotta is minimum ½". Any non-open joint installation technique or ventilated shiplap may be used.

Autoclaved Aerated Concrete—AAC panels that have successfully passed NFPA 285 criteria.

Metal Exterior—Metal Exterior wall coverings such as Steel, Aluminum, Copper and Zinc (Zinc with Class A only). Any standard installation technique can be used.

MCM System—Use any Metal Composite Material system that has been successfully tested by the panel manufacturer via the NFPA 285 test method. Any standard installation technique can be used.

Stucco—Minimum ½" thick, Exterior Cement Plaster and Lath.

HPL—FunderMax m.look minimum ¼" thick using any standard installation technique.

III MATERIAL OPTIONS
1) 4.2" max thickness of Hunter Xci Ply and Xci Ply (Class A), inclusive of factory adhered ½" or ¾" Fire Treated Plywood within overall max thickness

2) 4.7" max thickness of Hunter Xci Ply and Xci Ply (Class A), inclusive of factory adhered ½" or ¾" Fire Treated Plywood within overall max thickness with non-combustible claddings

IV FLOORLINE FIRESTOPPING
Mineral fiber based safing insulation in each cavity at floor line. Safing thickness must match cavity depth. OR Solid FRTW blocking at floor line in accordance with building code requirements for Type III construction.

V STUD CAVITY
Any noncombustible insulation, Carlisle SPI SealTite PRO CC", BASF Walltite", NCFI InsulBlock SPF1,2, Icynene MD-C-200v3 (ProSeal) up to 5½" 1,2, SWD Urethane Quik-Shield 1121,2, 1.5" minimum Thermoseal 2000 (up to full cavity)2, or None

VI EXTERIOR SHEATHING
1) ½" (min) thick exterior gypsum sheathing OR ½" (min) FRTW structural panels in Type III construction OR None1

2) USG Securock Exoair 430 System3

3) ½" Georgia Pacific DensElement flashed with Prosoco R-Guard FastFlash on sheathing joints3

Contact Hunter Panels for details regarding this option. *Can only be used with ½" or greater Gypsum Sheathing. When this is used, do not use WRB on base wall surface.
### VII WEATHER RESISTIVE MEMBRANE APPLIED TO BASE WALL

1) None  
3) GE Momentive SEC 2500 SilShield, Elemax 2600  
4) Vaproshield Wrapshield SA, RevealShield SA  
6) StoGuard Vaporseal, Sto Gold Coat or Emerald Coat  
7) 3M 3015  
9) DuPont Tyvek CommercialWrap, CommercialWrap D, StuccoWrap Fluid Applied WB  
10) PolyGuard Air Lok Flex VP, FlexGuard, Air Lok Flex  
11) Prosoco R-Guard Cat 5, R-Guard Cat 5 Rainscreen, R-Guard VB or R-Guard Spray Wrap MVP  
12) Dryvit Backstop NT  
13) Cosella Dorken Delta-Vent SA, Delta-Vent S, Delta-Fassade S, Delta-Maxx, Delta Stratus SA  
14) WR Meadows Air-Shield LMP (Gray or Black), Air-Shield TMP, Air-Shield LSR, Air-Shield SMP  
15) BASF Enershield HP or Enershield I  
16) Soprema Soproseal Stick VP, Soprasolin HD, LM 204 VP, Stick 1100T  
17) Pecora XL Perm Ultra VP, XL Perm Ultra NP, ProPerm VP  
18) Siga Majvest or Majvest 500 SA  
19) Tremco ExoAir 230 or ExoAir NT  
20) Fortifiber WeatherSmart Housewrap, WeatherSmart Drainable, WeatherSmart Commercial, Super Jumbo Tex 60  
21) USG Securock Exoair 430 System  
22) ½" Georgia Pacific DensElement flashed with Prosoco R-Guard FastFlash on sheathing joints  
23) Dow Corning DefendAir 200 (or LT version) or DefendAir 200C (charcoal)  
24) Hohmann & Barnard Enviro Barrier and Enviro Barrier VP  
25) STS FW100 or FW100A  
26) Karnak 321 K-NRG  
27) NaturaSeal AirSeal NS-A-250LP, AirSeal NS-A-250HP  

### VIII WEATHER RESISTIVE MEMBRANE APPLIED TO EXTERIOR INSULATION

1) None  
3) GE Momentive SEC 2500 SilShield  
4) Vaproshield Wrapshield SA, RevealShield SA  
7) DuPont Tyvek CommercialWrap or StuccoWrap  
8) PolyGuard Air Lok Flex VP, FlexGuard, Air Lok Flex  
9) Prosoco R-Guard Cat 5, R-Guard Cat 5 Rainscreen, R-Guard VB or R-Guard Spray Wrap MVP  
10) Dryvit Backstop NT  
11) Cosella Dorken Delta-Vent SA, Delta-Vent S, Delta-Fassade S, Delta-Maxx  
12) Sto Gold Coat, Emerald Coat  
13) WR Meadows Air-Shield LMP (Gray or Black), Air-Shield TMP, Air-Shield LSR, Air-Shield SMP  
14) Soprema Soproseal Stick VP, Soprasolin HD  
15) Pecora XL Perm Ultra VP, XL Perm Ultra NP, ProPerm VP  
16) Siga Majvest  
17) Fortifiber WeatherSmart Housewrap, WeatherSmart Drainable, WeatherSmart Commercial  
18) Dow Corning DefendAir 200 (or LT version) or DefendAir 200C (charcoal)  
19) Hohmann & Barnard Enviro Barrier VP  
20) STS FW100A  
21) Karnak 321 K-NRG  

*Contact Hunter Panels for details regarding this option.*

The location and number of WRBs in the wall assembly are determined by the architect.