

Fire & Smoke Rated Assembly Verify & Comply Submittal

UL 2079 Product Certification & Joint Deflection Design/Spec

(Example Only)

| <i>Certification Info - (UL Listing Header)</i> | | | <i>Project Design - Specifications</i> | | |
|--|-------------|--------------|--|-------------|-------------|
| UL Listing: HW-D-0209 | | Cert | Project: | Spec | |
| Nominal (Install) Joint Width Limit | IGL | 1.00" | Deflection E.O.R (+/- overall) | DEF | .75" |
| Movement Capability: (see chart) (Class I, II, III) | MC | II | Project Movement Capability or Building Zone Rating (Class I, II, III) | PMC | III |
| Extension (Multi-Story lowest %) | EXT | 19% | Architectural Design Gap | ADG | .50" |
| Compression (Single Story) | COMP | 19% | | | |

| <i>Product/System – Movement Required Verification</i> | Cert | Spec |
|---|-------------|-------------|
| Movement Capability (MC) = (Class I, II, or III) | II | III |
| If “MC” < “PMC” – Non-Compliance, Team Review | | |

| <i>Product/System – Overall Certified Max. DEF (Deflection)</i> | ADG | EXT/COMP | Max. DEF |
|---|------------|-----------------|-----------------|
| Multi-Story (Comp. + Ext.) = ADG x EXT x 2 | .50" | 19% | .19" |
| Single-Story (Comp. Only) = ADG x COMP | .50" | 19% | .095" |
| If “Max DEF” < “DEF” – Non-Compliance, Team Review | | | |

| <i>Movement Capability – Zone Rating Definitions</i> | | |
|--|-----------|---------------------------|
| Class I | Thermal | 500 cycles – 1 cycle/min |
| Class II | Wind Sway | 500 cycles – 10 cycle/min |
| Class III | Seismic | 500 cycles – 30 cycle/min |

| Conversion Chart | |
|------------------|------|
| 1/4" | .250 |
| 3/8" | .375 |
| 1/2" | .500 |
| 5/8" | .625 |
| 3/4" | .750 |

Submitted By: _____ (Print) _____ Date: ___/___/___

Company: _____