Drawing B: Using 2 Wall Posts to Anchor a 100' x 45" [30 m x 1.14 m] Guardrail System • A structural engineer must verify the adequacy of the supporting structure. The 45" tall quardrail can be overlaid with optional StrapRail Debris Net, which is secured every • Wall posts have a safety factor of 3:1 (based on straps tensioned to 2.500 lb each). 5 feet to the toeboard and toprail straps with disposable nylon ties. The addition of netting • Must be anchored to a structurally adequate poured concrete wall (minimum thickness 6"). reduces the risk of objects falling or blowing through the quardrail and injuring persons below. 100 ft 30 m] Orange Strap Rail Member 4" [100 mm] polyester webbing with 10 year UV protection Consists of 100" [30 m] Rail Strap + 4' [1.2 m] Ratchet Strap Fully tensioned ratchet applies 2,500 lb [1135 kg] of force to each strap 3 ratcheted straps exert 7,500 lb [3,400 kg] of tension on each wall Breaking strain of a single strap: 24,000 lb [10,900 kg] when new Breaking strain of a ratchet: 22,000 lb [10,000 kg] Midway Post • Galvanized steel with aluminum & plastic strap holder Bolt to floor slab with 4 factory approved HILTI anchor bolts Required if the 2 anchor posts are more than 50 feet [15 m] apart Anti-Deflection Post Wall Post Quick Link 5/8" [16 mm] Ø galvanized steel 24,000 lb [10,900 kg] breaking strain Close link before tensioning strap Aluminum See close-ups below Attach post to straps only Required every 10 feet [3 m] Top Rail Strap Strap Pouch Midrail Strap Toeboard Strap 10 ft [3 m] 10 ft [3 m] WALL POST · Galvanized steel anchor post Drill and bolt the wall post to a structurally adequate poured concrete wall Requires 4 factory approved anchor bolts Choice of 3 other anchor posts: Inline Post, Corner Post, Column Post 45" 1.14 m Factory Approved Anchor Bolt Models: HILTI HUS KH-EZ HILTI HSL-B M12/25 HILTI HSL-B M12/25 HILTI HSL-I M12 65/80 STRAPRAIL SC-TB-17 STRAPRAIL.COM • STRAPRAIL SC-TB-35 24.5" 620 mm 100 mm Made by Superchute Ltd. **PROJECT** Wall Post System DATE / REV May 4, 2011 / A PHONE

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