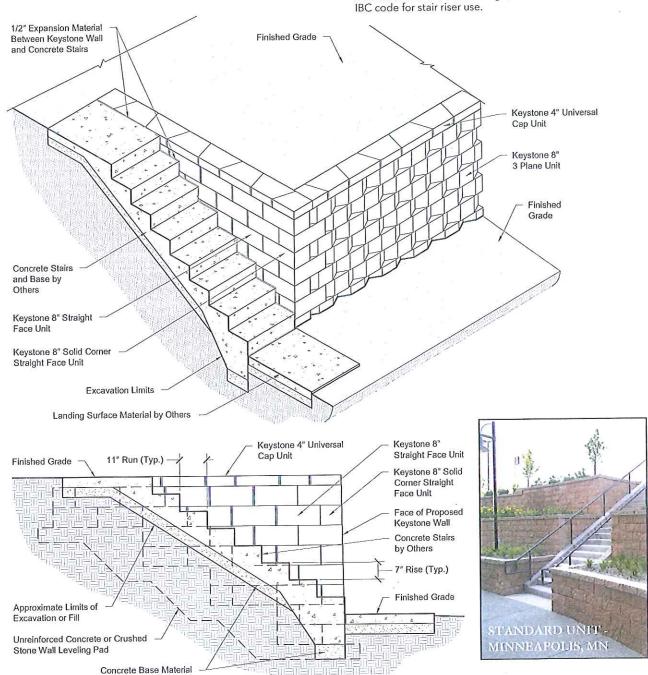
6- How to install a concrete stair within the keystone system?

Keystone walls can easily be constructed to incorporate CIP concrete stairs within the wall systems. The stairways can be designed to be incorporated into reinforced soil of the wall (see Figure V:3), or project out from the wall face (see Figure Y:3). Construct the Keystone wall as per design. Where a stairway is proposed, create a 90° outside corner with Keystone straight face and corner units. Construct the CIP concrete stairs as the project plans, making sure the include a ½ inch expansion joint between the stairs and the Keystone units.

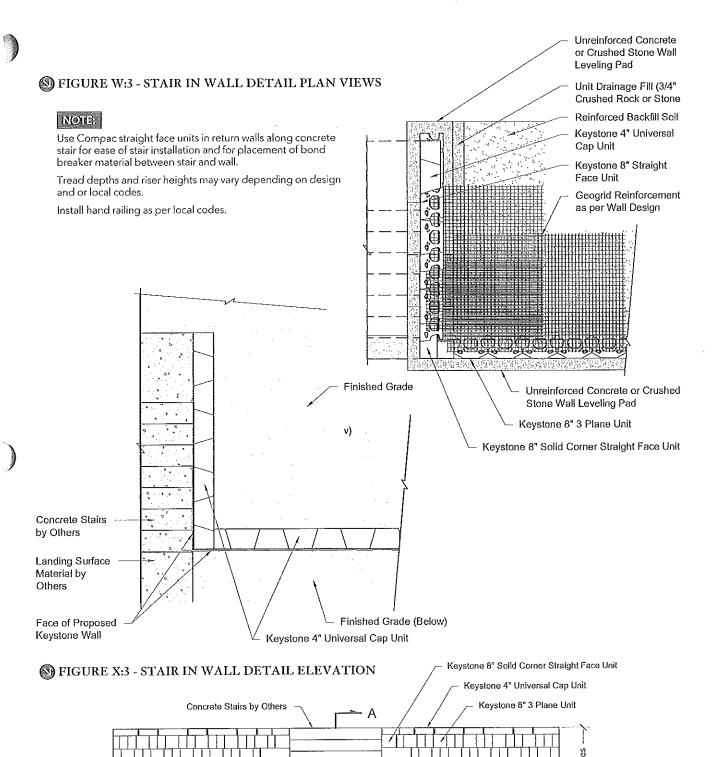
⑤ FIGURE V:3 - INSET STAIRWAY DETAILS

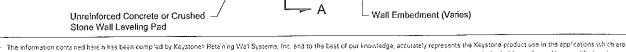
International Building Code (IBC) indicates that stair facilities shall have a minimum riser height of 4 inches and a maximum height of 7 ¼ inches. Keystone Compac and Standard units are 8 inches high, therefore will not meet



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as Required by Others





Finished Grade

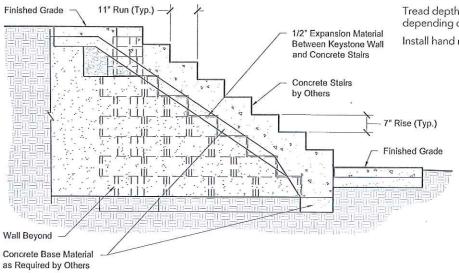
■ FIGURE Y:3 - PROJECTED STAIRWAY DETAIL

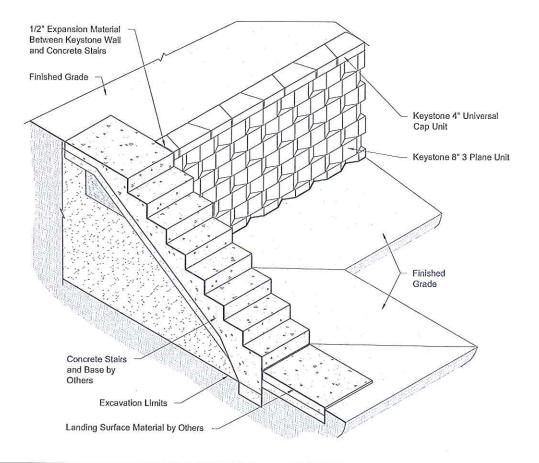
NOTE:

Place bond breaker material between Keystone units and concrete stair. Stair designs may vary.

Tread depths and riser heights may vary depending on design and or local codes.

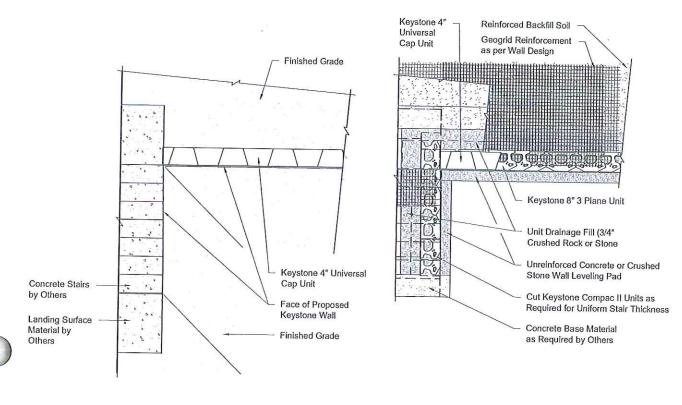
Install hand railing as per local codes.





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🕲 FIGURE Z:3 - STAIR IN FRONT OF WALL DETAIL PLAN VIEWS



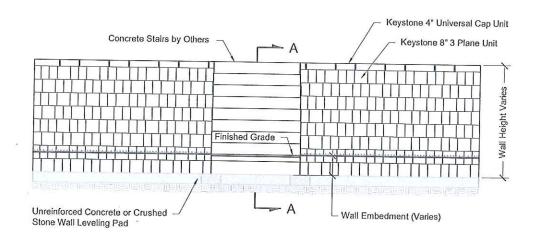
Typical Stair Section Plan View - Final

Near Vertical Setback Shown

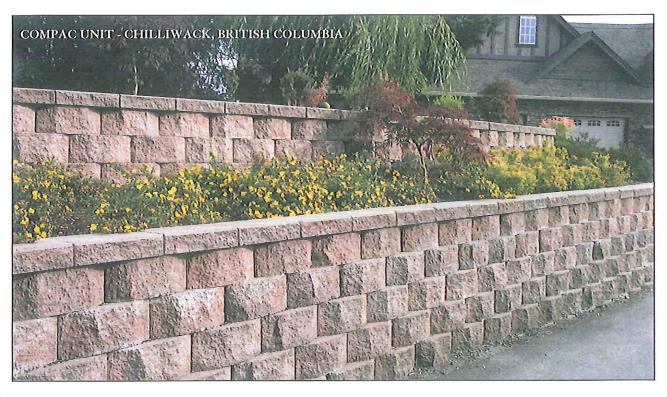
Typical Stair Section Plan View - Partial

Near Vertical Setback Shown

■ FIGURE A:4 - STAIR IN FRONT OF WALL DETAIL ELEVATION



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