



KEYSTONE[®] COMPAC IV, KEYSTEEL & STANDARD

STRUCTURAL RETAINING SERIES



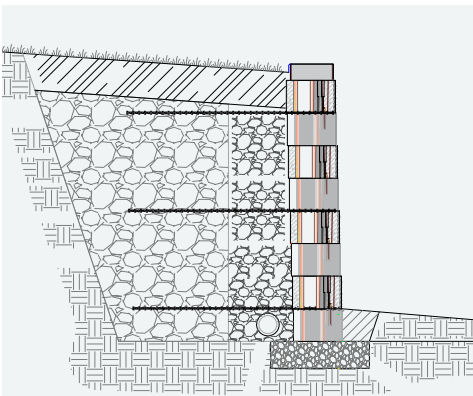
WE'RE NOT SCARED OF HEIGHTS.

The attractiveness of a Firth Keystone® Retaining Wall is not limited to its aesthetic beauty, it is equally admired for its technical simplicity, its ease of installation, the structural integrity it offers within a space-saving modular system, and its ability to seemingly span unlimited lengths and heights cost effectively. Its engineered performance is well proven in many highly visible commercial and infrastructure applications throughout New Zealand.



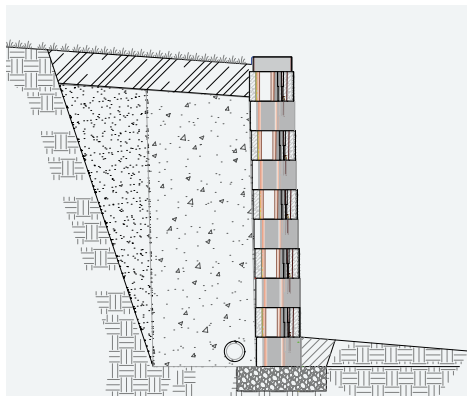
Tri-Face Unit

THE FIRTH KEYSTONE® COMPAC IV, KEYSTEEL AND STANDARD RANGE



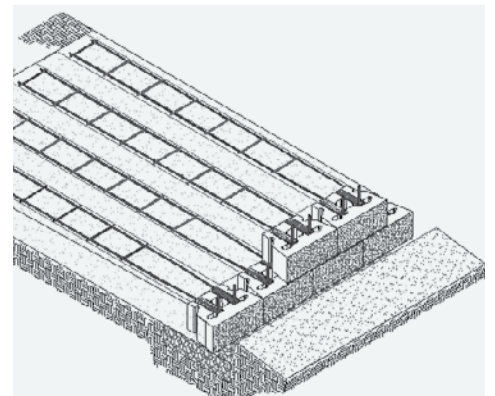
Keystone® Compac IV with Geogrids

Compac IV split face, Tri-Face or Straight-Face, facing with geogrids maximum every 3rd course. Walls can be constructed near vertical or two battered setback options of 8.8° and 4.4°. Refer Firth website for range of colours. Can be built higher using geogrid soil reinforcement.



Keystone® Compac IV with No Fines Concrete Backfill

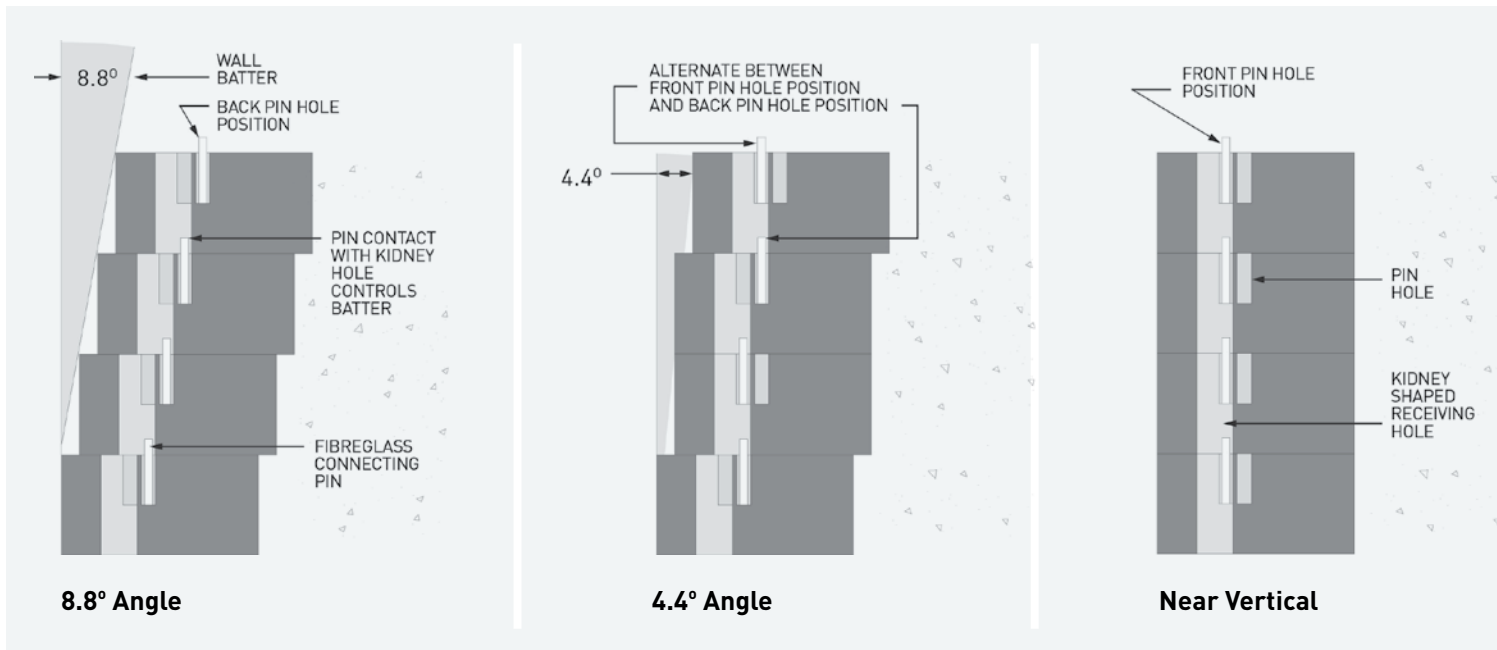
Compac IV split face, Tri-Face or Straight-Face, with Firth Permeable Concrete behind. Walls can be constructed near vertical or two battered setback options of 8.8° and 4.4°. Refer Firth website for range of colours. Suited for restricted areas where there is no room for Geogrid.



Keystone® KeySteel

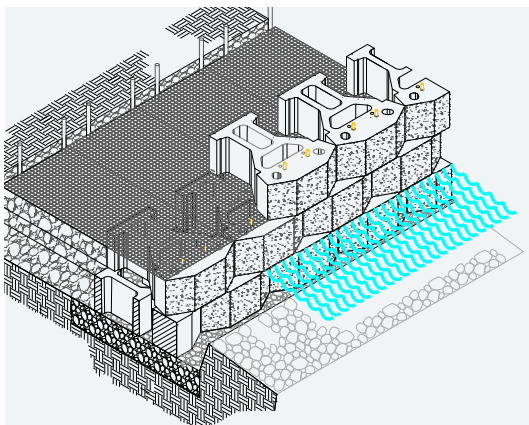
Keystone® KeySteel split face facing with galvanized steel ladder soil reinforcement. Split face texture only in Straight-Face. Seismic resilient low extension system. Can be built near vertical with either fibre glass or steel pins. Refer Firth website for range of colours. Can be built higher using steel ladders.

SETTING OF BATTERS OR NEAR VERTICAL FACES



WE CAN MAKE A BLOCK TO YOUR BRIEF - COLOURS / FACES

If you have a large retaining wall project we are also able to create a wall to your brief. We can develop and produce a variety of colours that work aesthetically with the wall's environment; two face options. Just ask us, we're happy to work with you to create something unique.



Keystone® Standard with Geogrids

The height-to-height ratio of the Keystone® Standard unit delivers a structurally sound, engineered wall system with superior construction stability, durability and strength. This system also works well with No Fines Concrete in restricted areas. Also suited for hydraulic applications. Can go higher than the Compac IV as a mass gravity wall with the inclusion of seismic criteria. Units can be interlocked back to back.



FREE TECHNICAL ADVICE & SUPPORT

Firth provides technical support free of charge for those constructing retaining walls using the Keystone® system. One of our retaining wall engineers will provide Keystone® specifications for your project. We can supply preliminary technical drawings, Isometric and CAD files for your project, which you can hand over to your engineer for sign-off. We also have a range of free basic software to assist with designs.



VISIT
www.firth.co.nz

CALL
0800 800 576

EMAIL
firth.retainingwalls@firth.co.nz

FREE INFORMATION & TECHNICAL SPEC DOWNLOADS

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KeyWall® Design Software:
www.kestonewalls.com → [Technical Info](#) → [Design Aids](#)

Keystone® Construction Manuals:
www.kestonewalls.com → [Technical Info](#) → [Manuals](#) → [Construction Manuals](#)

Compac design/estimating for near vertical & battered setback walls
(Follow Compac III examples):
www.kestonewalls.com → [Technical Info](#) → [Design Estim. Charts](#)

Keystone® Retaining Walls Case Studies:
www.kestonewalls.com → [Technical Info](#) → [Case Studies](#)

Technical advice, CAD drawings and basic 'Compac IV with No Fines' software
that includes seismic analysis if required:
Email: firth.retainingwalls@firth.co.nz

Masonry Retaining Walls Brochures:
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