USING THE GEOGRID SYSTEM

1. Install units up to the designated height of the first grid layer, making sure to backfill and compact behind the wall to a depth equal to the designed grid length.
2. Cut grid to design length as shown on the plans. Make sure the grid is positioned on the top of the unit course 2" to 3" from the face. This will help to keep each successive course flat. Install the grid with the design strength direction perpendicular to the wall face. Seams or overlaps of grid parallel to the wall face are not permitted.
3. The geogrid reinforcement must be laid level upon the block and upon level backfill, compacted to 95% Standard Proctor density.
4. Remove all slack in the geogrid, then anchor it to the compacted backfill and place the next level of LondonBoulders and backfill. These units should be placed on top of the grid.
5. Only hand-operated equipment should be allowed within 3 feet of the wall. Track construction equipment shall not be operated on less than 6" of compacted infill material.

GEOGRID LAYOUT IN CURVES AND CORNERS

Curves and corners in designs need additional considerations for the correct layout of the reinforcing grid. Interior corners will invariably leave gaps between grid layers, due to the curvature. To cover these gaps, install additional reinforcement in places where gaps occur on the next course above prior to backfilling. **See Figure F.**

In addition, square corners require that the 90° gap be filled with an extension of the reinforcing sheet equal to 25% of the total wall height, on alternate sides of the gap as you go up. **See Figure H.** If it's not possible to add on the next course to put 3" of fill between the grid layers.

In contrast, exterior corners will always cause reinforcing grids to overlap, which in turn dramatically reduces the load carrying capacity of the grid. To correct this, a minimum of 3" fill must be placed between sheets at those overlap areas prior to backfilling that lift, as shown in **Figure G, and Figure I.**

OUTSIDE SQUARE CORNER REINFORCEMENT LAYOUT (TYP)

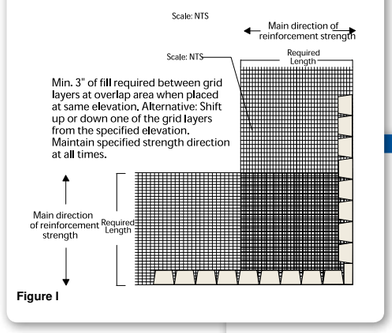


Figure I

INSIDE CURVE GRID LAYOUT (TYP)

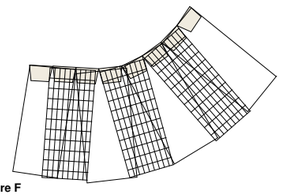


Figure F

INSIDE SQUARE CORNER REINFORCEMENT LAYOUT (TYP)

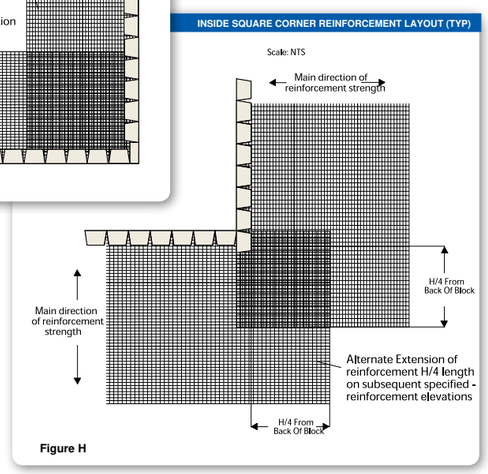


Figure H

OUTSIDE CURVE GRID LAYOUT (TYP)

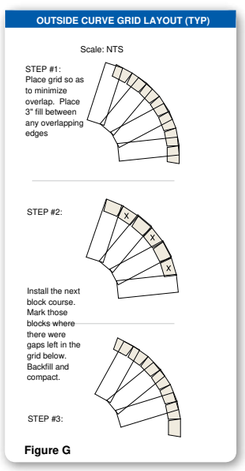


Figure G

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PRODUCT
London Boulder
DRAWING
Installation: Geogrid, Curves and Corners

WEIGHT

DRAWING NO.

DATE
As per drawing

SHEET
11 of 14

UNITS / SCALE
As per drawing

Request A Quote