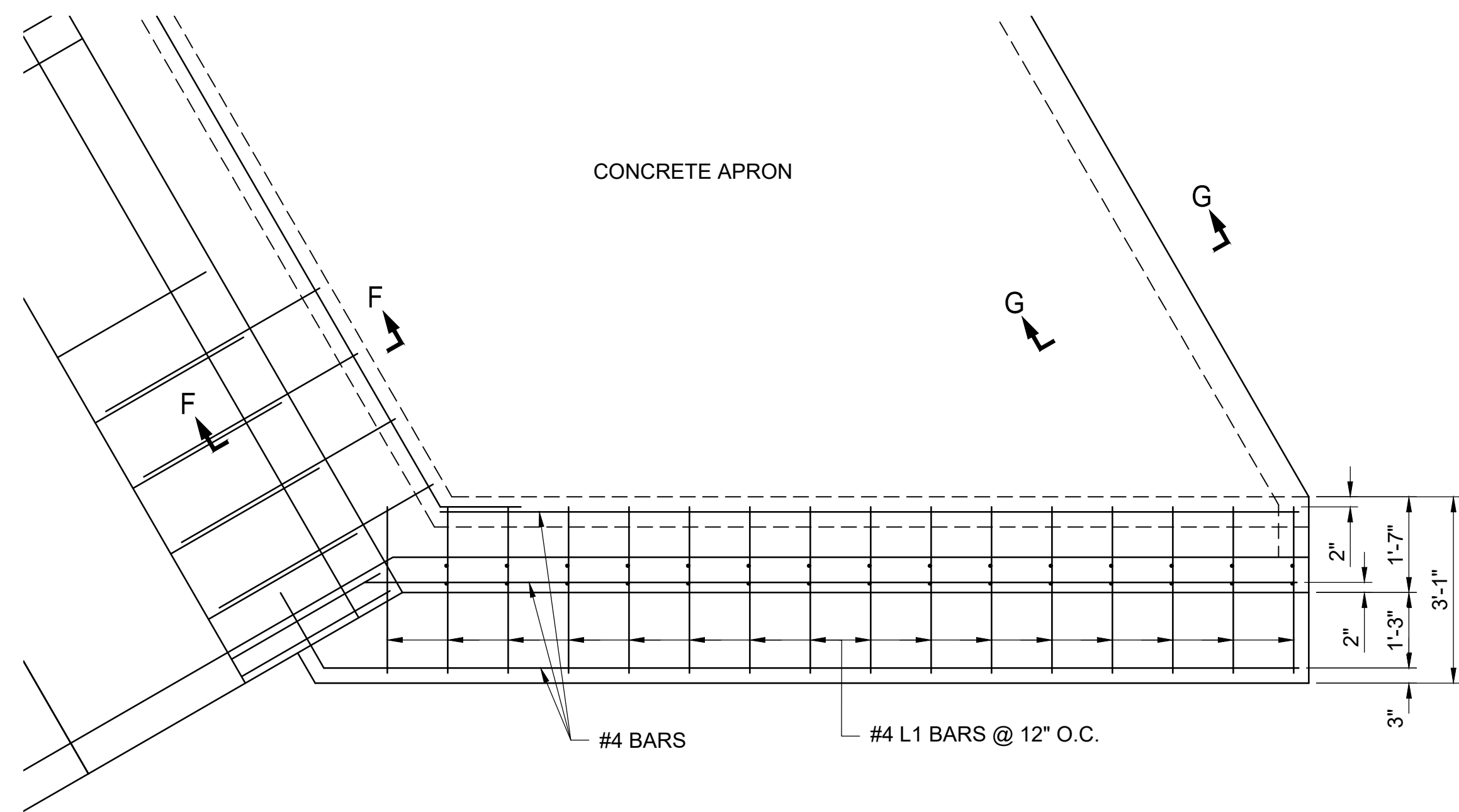


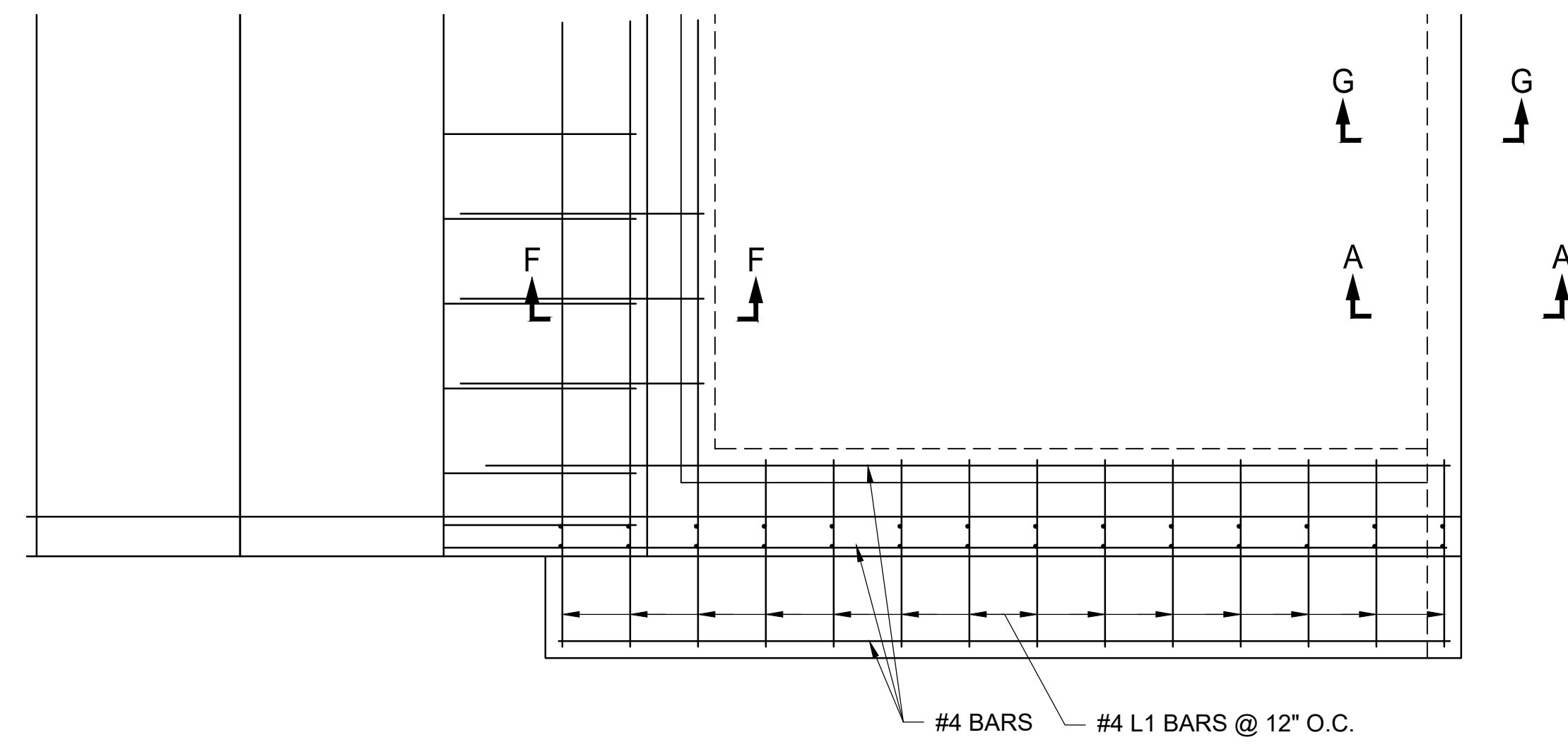


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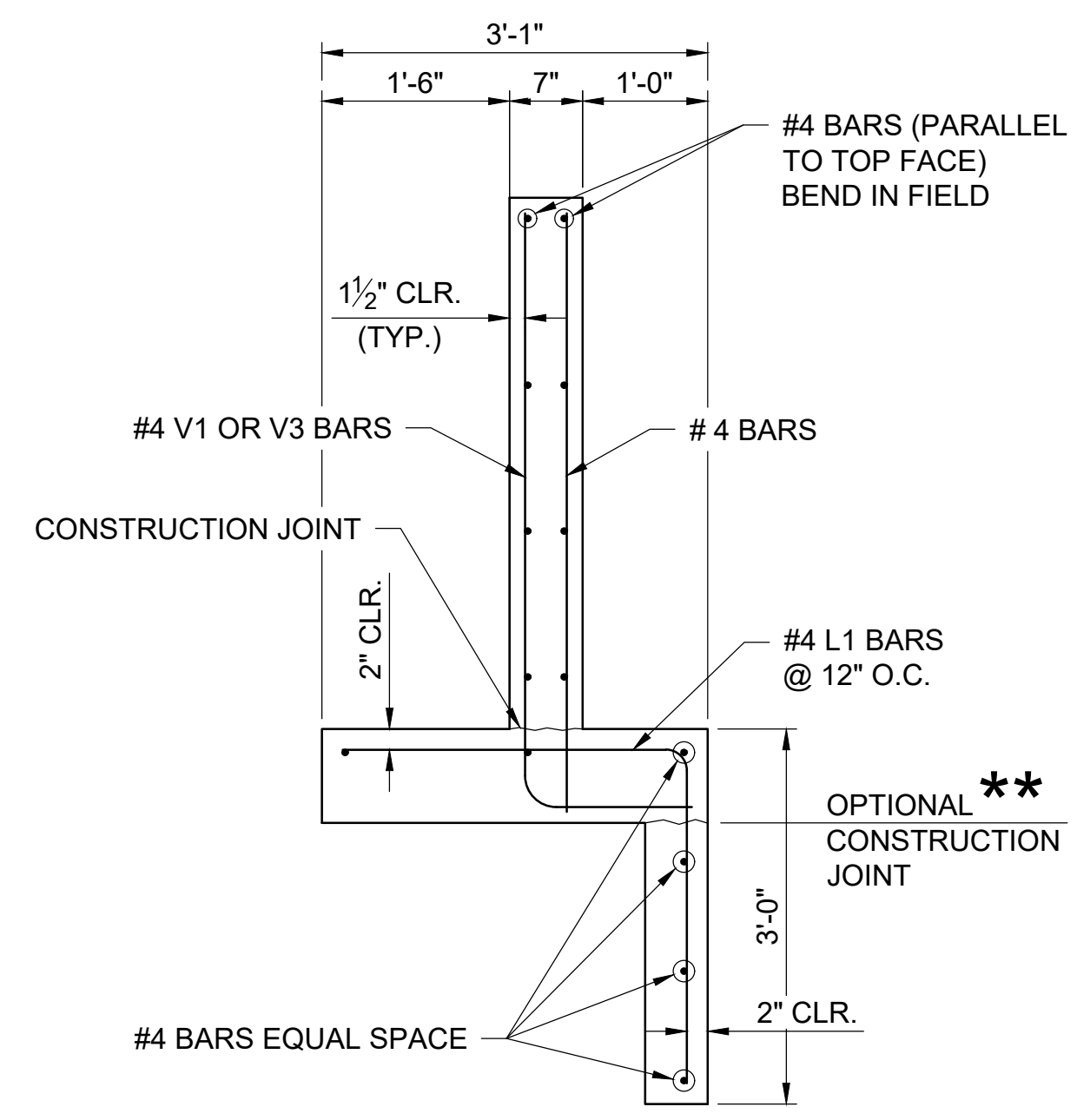
1995 Midfield Road
 Wichita, KS 67209
 (316) 264-8008



SECTION C-C

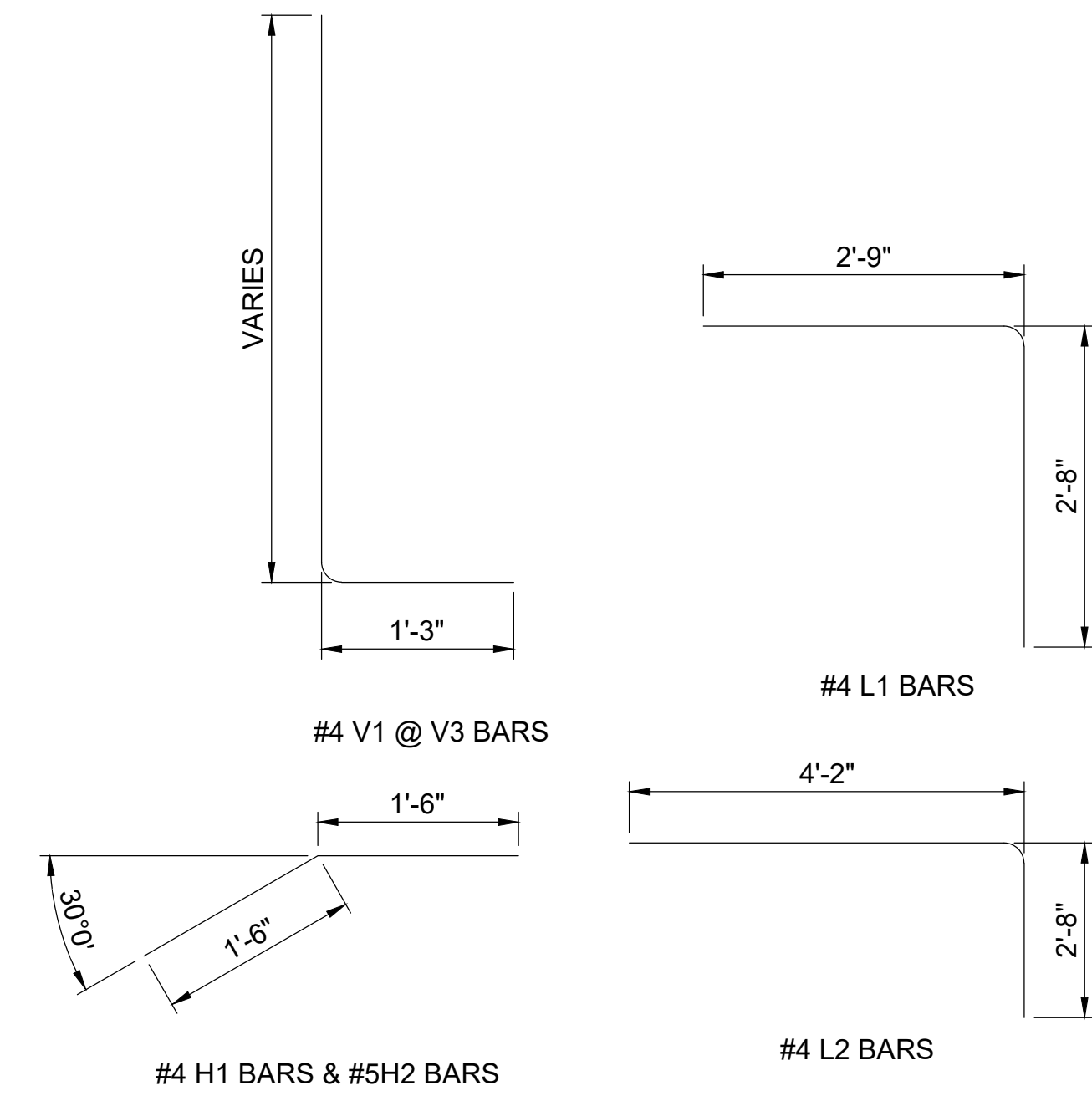


SECTION D-D

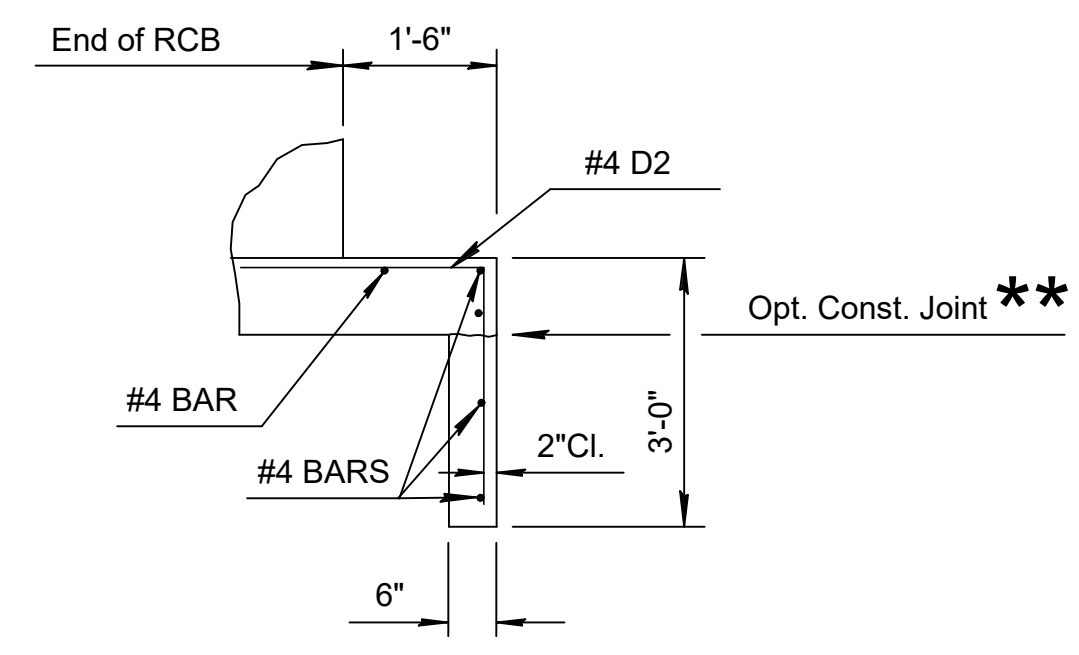


SECTION E-E

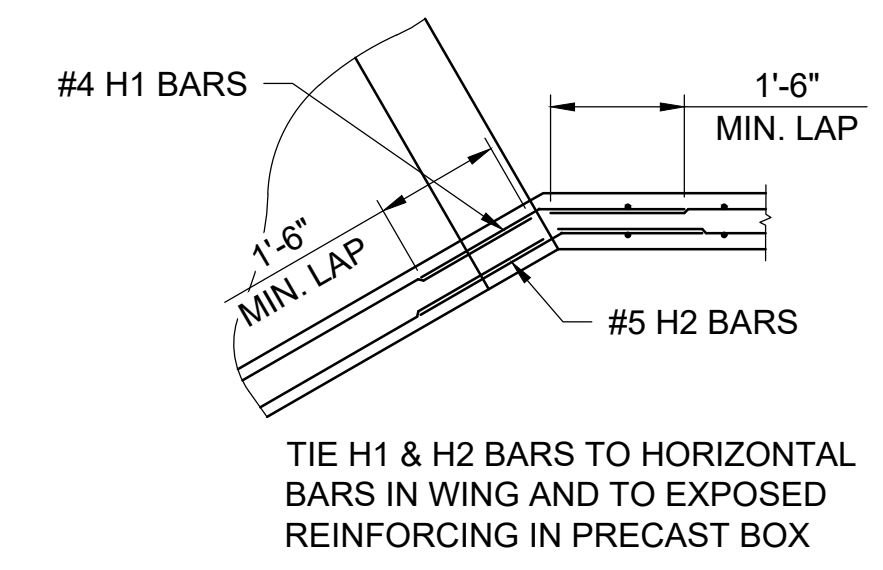
**** NOTE:** Const. Jt. may be used at Contractor's option when approved by the Engineer. D1 bars or mesh may be spliced thus: Minimum overlap shall be 1'-3". No increase in quantities or cost shall be allowed when Contractor elects this option.



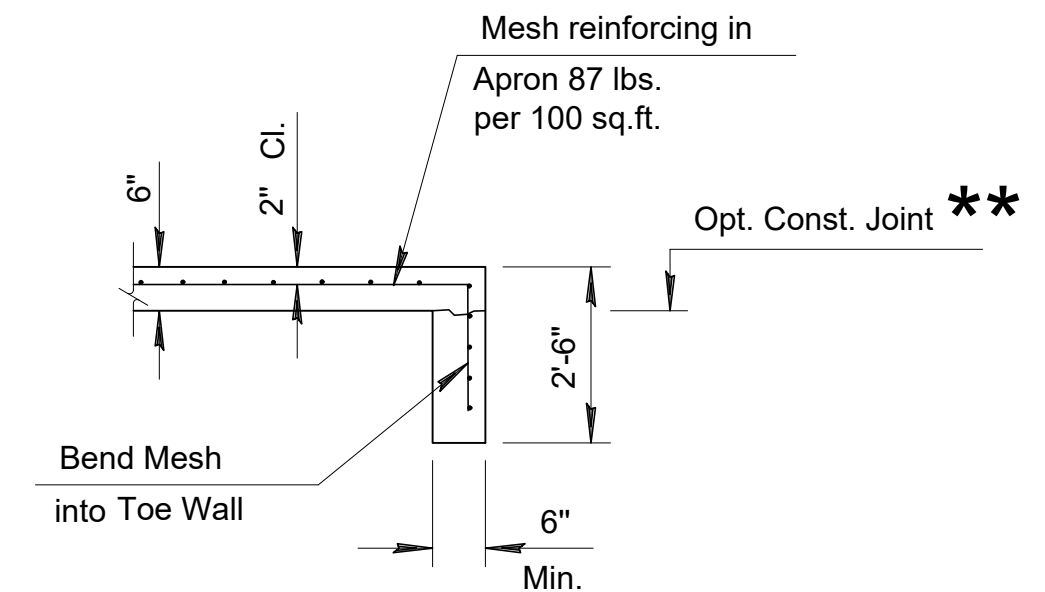
CORNER REINFORCEMENT DETAIL



SECTION F-F



TIE H1 & H2 BARS TO HORIZONTAL BARS IN WING AND TO EXPOSED REINFORCING IN PRECAST BOX



SECTION THROUGH SCOUR APRON TOEWALL
 SECTION G-G

GENERAL NOTES

- UNIT STRESSES:** Grade 4.0 Concrete; $f_c = 4,000$ p.s.i. Reinforcing Steel; $f_y = 60,000$ p.s.i.
- CONCRETE:** Grade 4.0 Concrete shall be used throughout. Bevel all exposed edges with a 3/4" triangular moulding.
- REINFORCING:** All reinforcing shall conform to ASTM A615, Grade 60. Welded Wire Fabric shall conform to ASTM A185. All dimensions relative to reinforcing steel shall be to center-line of bar unless otherwise noted. Wire Reinforcing mesh shall be electrically welded and shall be composed of 6 x 6-W1.4 x W1.4 welded wire fabric and shall be classified as pounds of reinforcing. No epoxy coating is required on this project.
- QUANTITIES:** Wingwall Quantities include all quantities outside the neat lines of the box, excluding the hubguard.
- APRON:** A 5" concrete slab shall be constructed between wings in locations subject to scour as specified on the plans. The toe wall is required on both the apron and the footings. The scour apron may be poured monolithically with the base.
- BACKFILL MATERIAL:** Soils judged as high plasticity clays, fat clays, expansive clays, or organic clays are unsuitable for backfill material for wingwalls and will not be used. Where these conditions exist, use Granular Backfill (Wingwalls).
- FOUNDATION STABILIZATION:** Use Foundation Stabilization on all wingwalls unless founded on rock or granular material.

REV.	DATE	DESCRIPTION	BY

CITY OF WICHITA
 WICHITA, KANSAS
 AREA 151
 STORM WATER DRAIN - PHASE 1

RCBC
 DETAILS 2

JOB NO.: 22T41002
 DATE: DEC 2023
 DESIGNED BY: EJG
 DRAWN BY: DRS

BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

SHEET NUMBER **73** OF **93**

File: L:\2022\22T41002 - Area 151 - AdditionalDrawings\C3D\SWS SHEETS\RCBC WINGWALL - DETAILS.dwg Last Save: 10/2/2023 1:55 PM Last saved by: DRStandrich
 Last plotted by: Standrich, Daryl R. Plot Style: --- Plot Scale: 1:2.5849 Plot Date: 12/1/2023 8:06 AM Plotter used: None