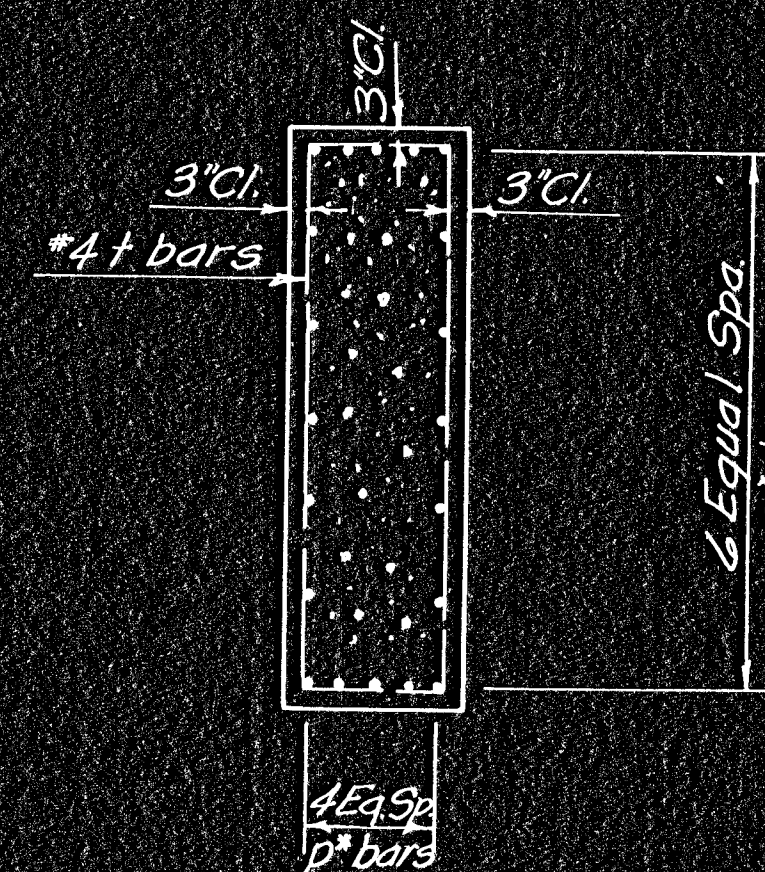
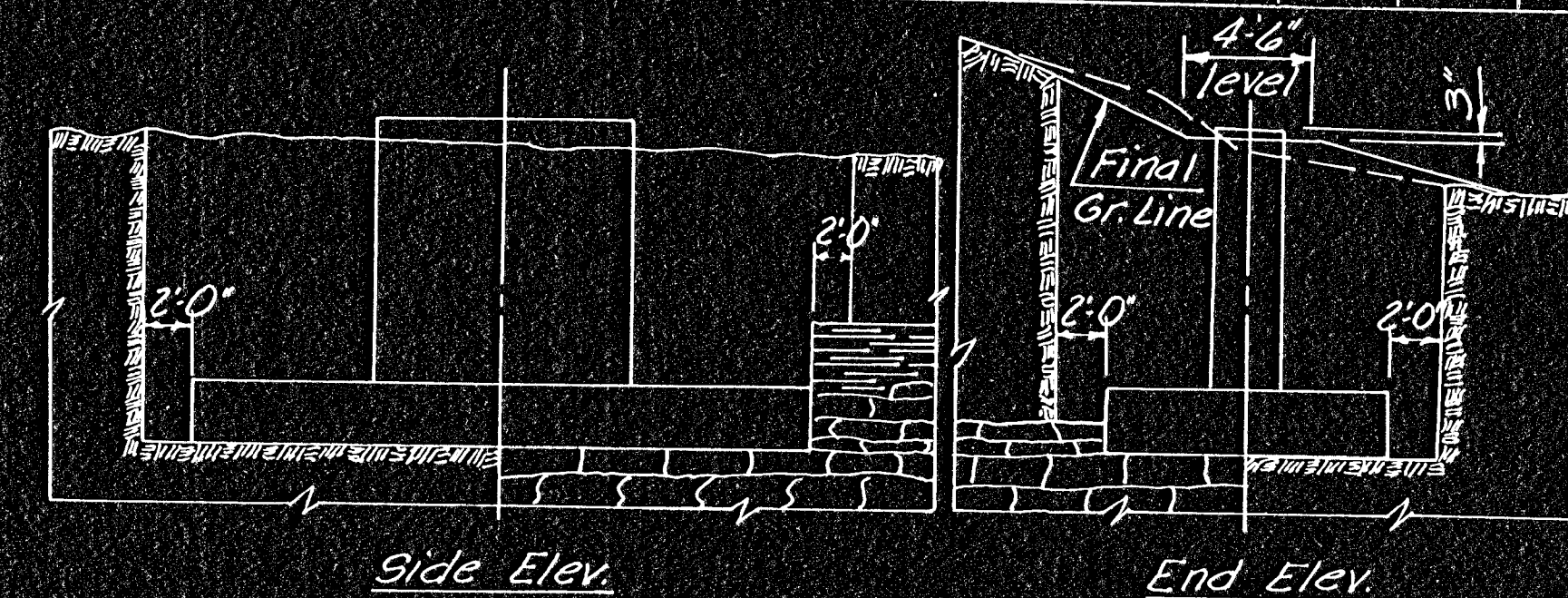




SECTION A-A



TYPICAL EXCAVATION DETAILS

GENERAL NOTES

LOADING: A.A.S.H.T.O. Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1975 Ed.

CONCRETE: Use Class A Concrete throughout. Bevel all exposed edges with a 3/4" triangular moulding.

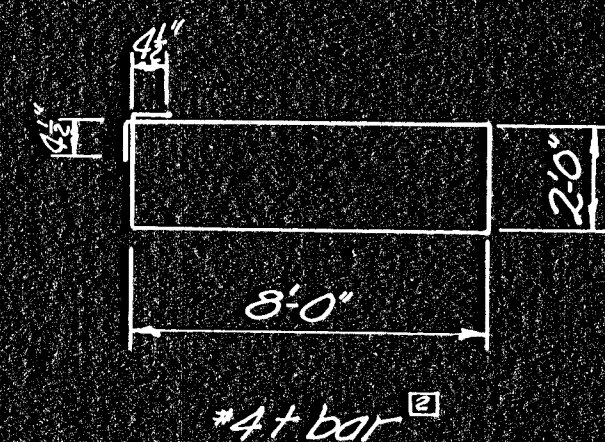
UNIT STRESSES: $f_c = 1,200 \text{ p.s.i.}$; $f'_c = 3,000 \text{ p.s.i.}$; $f_s = 20,000 \text{ psi.}$

REINFORCING: All dimensions relative to reinforcing steel are to center line of bar unless otherwise noted.

EXCAVATION: When rock or hard shale is encountered, all excavation below the top of this material shall be to neat lines. See excavation details.

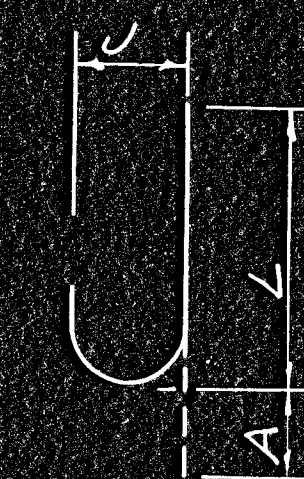
BACKFILL: Backfill material shall be placed in one foot lifts and each lift shall be thoroughly compacted before the next lift is placed.

ANCHOR BOLT ASSEMBLY: Anchor bolts shall conform to K.S.H.C. Standard Specifications Sub-Section 1006.13 and shall be Type II. Angles and plates shall conform to ASTM A36. Welding shall conform to K.S.H.C. Standard Specifications and the latest edition of the American Welding Society Specifications.

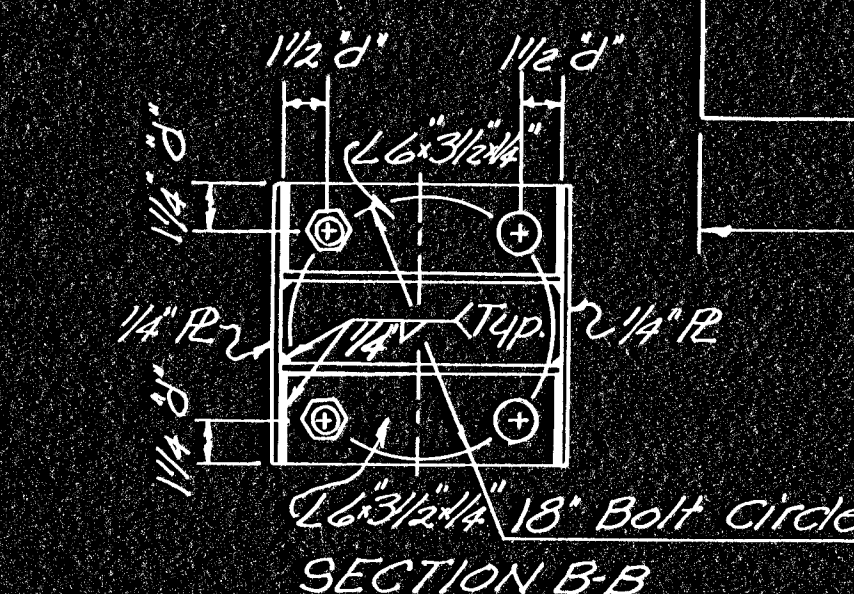


BENDING DIAGRAMS

All dimensions are out to out

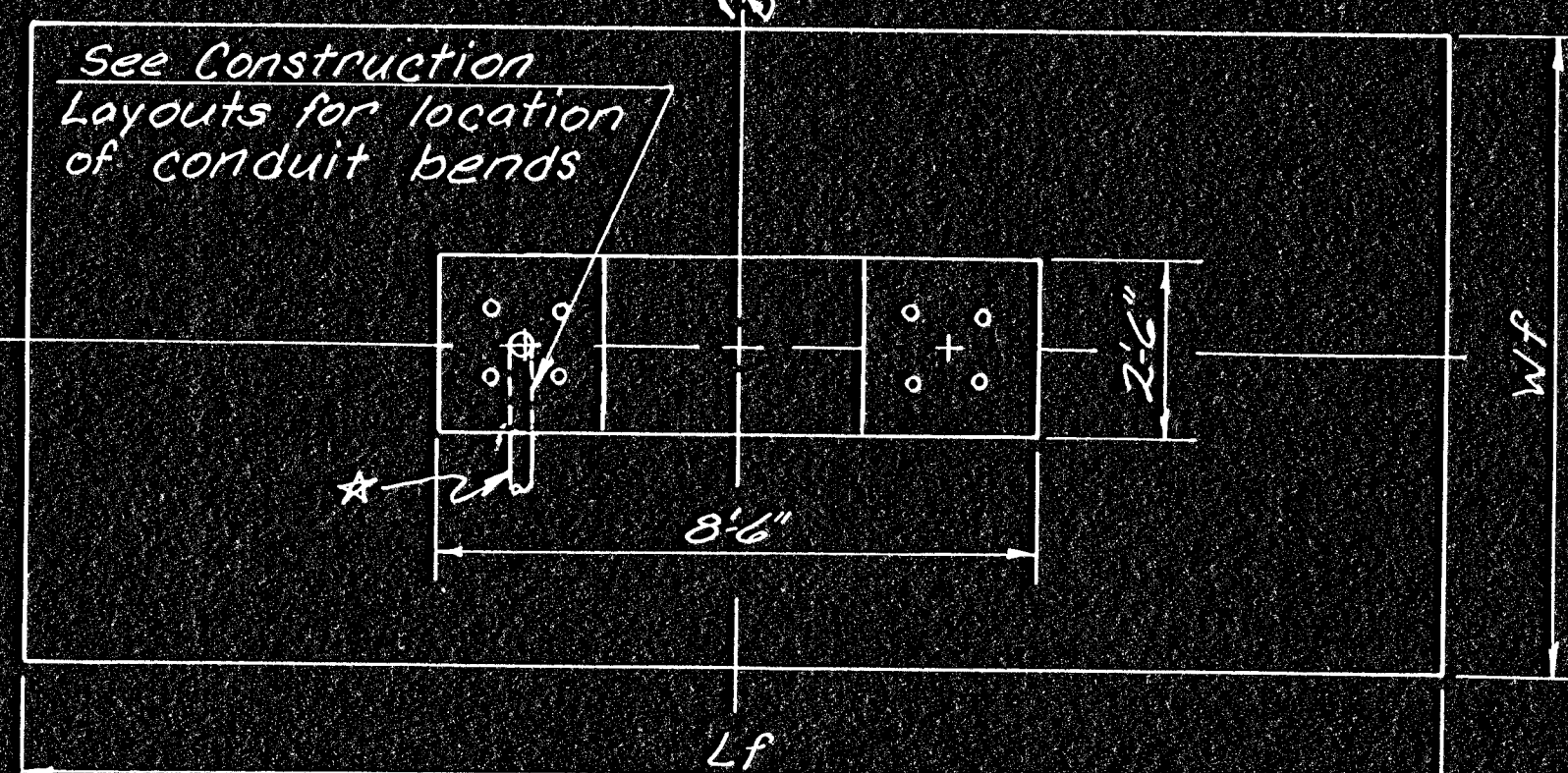

$$d^* \text{bar}$$

Size	A	U	L
#6	8"	6"	3'-9"
#7	10"	7"	4'-0"
#8	11"	8"	4'-3"
#9	1'-3"	11 1/4"	4'-6"
#10	1'-5"	1-0 3/4"	4'-11"
#11	1'-7"	1-2 1/4"	5'-3"

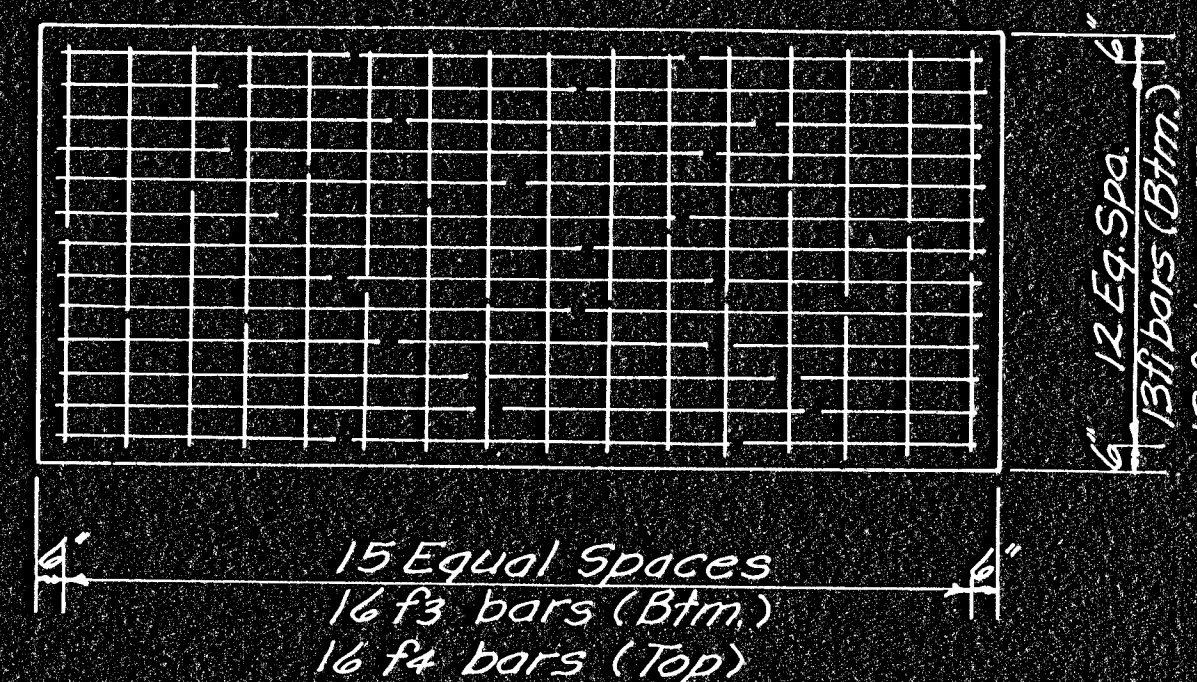


The diagram shows an elevation view of a structural connection between a column and a beam. The column is on the left, and the beam is on the right. The connection is a combination of bolted and welded joints. The column has a width of 14 1/4 inches. The beam has a depth of 3 1/2 inches. The connection is labeled "bolted conn." and "welded conn.". The beam is labeled "Angle". The column is labeled "2 1/4\" B\" and 1 1/4\" B\". The beam is labeled "2 1/4\" B\" and 3 1/2\". The connection is labeled "Elevation".

ANCHOR BOLT ASSEMBLY DETAIL
See Construction Layout sheet
for anchor bolt "d"



FOOTING PLAN



FOOTING PLAN

Showing Reinf:

*Note: Contractor may combine dep bars into one bar

[illegible]

⊕ Approx. Excavation
for loose material.

See Construction Layout
Sheet for Footing Type

3	3-76	Rev. for split contract of Htg. Pipes	LES	E.E.W.
2	9-5-73	Rev. stirrup hook dimension	LES	E.E.W.
Δ	7-18-73	Rev. to conform to 1973 Std. Specs	LES	E.E.W.
NO.	DATE	REVISIONS	BY	APP'D

DEPARTMENT OF TRANSPORTATION-KANSAS
STANDARD STRUCTURAL SIGN SUPPORTS
SPAN TYPE OVERHEAD
FOOTING DETAILS