



I _s (in ⁴)	5
I _c (in ⁴)	2370
S _x (in ³)	176
S _y (in ³)	832
Z (in ³)	
E (ksi)	1060
M ₀ (K)	212
S ₀ (K/in)	373
M ₂ (K)	75
M ₁ (K)	389
M ₁ mo (K)	116
S ₃ (M ₁ +I) (K)	842
M ₂ (K)	1468
M ₁ (K)	1464
F _s @ non-compos.	13.0
F _s @ comp. (ksi)	2.7
F _s @ 3/8" + I (ksi)	30.4
F _s (overload/ksi)	46.1
VR (K)	62.0

NOTES

All longitudinal and transverse dimensions are measured horizontally.

All Structural Steel for beams shall conform to AASHTO M-223 Grade 50.

"FOR INFORMATION ONLY"

STRUCTURES
AT
CEMENT COMPANY CONVEYOR
FA 412 OVER ACCESS ROAD AND CONVEYOR
SLAB AND BEAM DETAILS

SECTION 50-48(1) PROJECT EBF-412-4(1)
STA. 884+84.72 (FA-412) LASALLE CO.

PREPARED BY:
SVDRUP & PARCEL AND ASSOCIATES, Inc.
ENGINEERS ARCHITECTS PLANNERS
ST. LOUIS, MISSOURI

SHEET NO. 5 OF 35

DESIGNED: G. ROUFA
CHECKED: S. YARDY
DRAWN: G. J. DRE
CHECKED: W.D. WALDEN