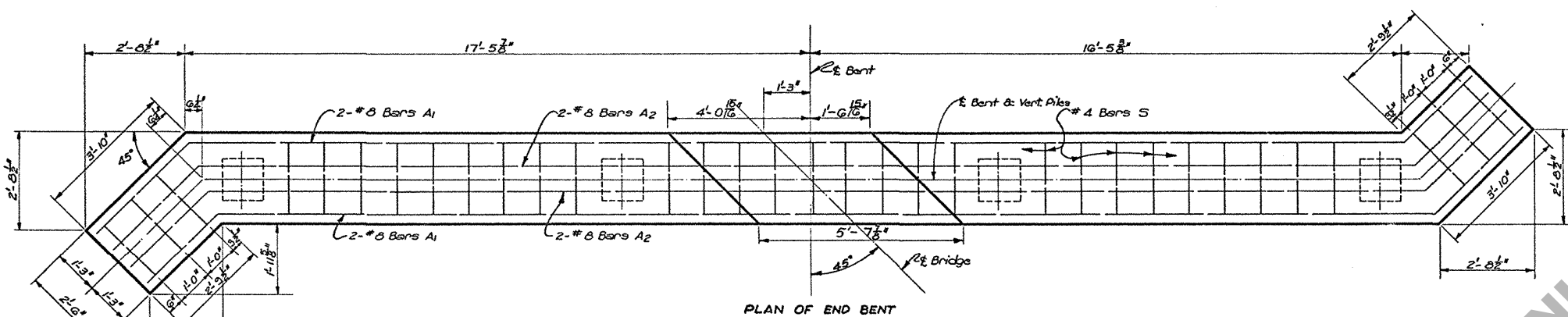


QUANTITIES IN ONE END BENT *				
BAR	SIZE	Nº	UNIT LENGTH	TOTAL LENGTH
A1	#8	4	40'-2"	160'-8"
A2	#8	4	40'-2"	160'-8"
TOTAL #8 Bars = 321'-4" = 558 Lbs.				
Z	#6	22	1'-9"	36'-6"
TOTAL #6 Bars = 36'-6" = 58 Lbs.				
S	#4	33	8'-7"	283'-3"
TOTAL #4 Bars = 283'-3" = 189 Lbs.				
CLASS "A" CONCRETE = 7.62 CU. YDS.				
DEFORMED REINFORCING STEEL = 1105 LBS.				
AVERAGE PILE LOAD = 21.9 TONS/PILE				

QUANTITIES IN ONE INTERMEDIATE BENT				
A	#8	B	38'-0"	304'-0"
TOTAL #8 Bars = 304'-0" = 812 Lbs.				
Z	#6	22	1'-9"	36'-6"
TOTAL #6 Bars = 36'-6" = 58 Lbs.				
S	#4	33	8'-7"	283'-3"
TOTAL #4 Bars = 283'-3" = 189 Lbs.				
CLASS "A" CONCRETE = 7.30 CU. YDS.				
DEFORMED REINFORCING STEEL = 1059 LBS.				
AVERAGE PILE LOAD = 21.9 TONS/PILE				

GENERAL NOTES:
 Construction Specifications: Latest Approved Louisiana Department of Highways Standard Specifications.
 Design Specifications: A.A.S.H.O. 1949 as amended to Dec. 1950.
 Live Load: H15-44.
 All Dimensions relating to Reinforcing Steel are to Bar Centers.
 Reinforcement Bars shall be Intermediate or Hard Grade, A.S.T.M. A15, or Rail Steel A.S.T.M. A16.
 All corners to be Chamfered 1/2" unless otherwise noted.
 #6 Dowels Z to be wrapped with two layers of 15 lb. Tar Paper. Close fitting tubes made of compressible material not less than 1/8" thick may be substituted for Tar Paper wrapping.
 Cost of Tar Paper and Expansion Material to be included in unit price bid for Class "A" Concrete.
 Quantities computed assuming 14" R.C. Piles.
 For Details of Concrete Piles see Std. Plan C-5-149.
 Maximum Pile Loads unless otherwise instructed by the Bridge Design Section: 12" R.C. Piles = 24 Tons per Pile.
 14" R.C. Piles = 28 Tons per Pile.
 Max. Ground to Grade with 12" R.C. Piles = 15'-0"
 14" R.C. Piles = 20'-0"

STANDARD PLAN REINFORCED CONCRETE PILE BENT FOR CONCRETE SLAB SPANS ~ 45° SKEW 20'-0" SPAN H15-44 LOADING 24'-0" CLEAR ROADWAY 1'-6" SIDEWALKS TO BE USED WITH STANDARD PLAN C-5-3-15			
DATED: Oct. 1951			
STATE OF LOUISIANA DEPARTMENT OF HIGHWAYS			
DESIGNED <i>H. H. H.</i>	DETAILED <i>H. H. H.</i>	TRACED <i>A. Chapman</i>	
CHECKED <i>L. H.</i>	CHECKED <i>L. H.</i>	CHECKED <i>L. H.</i>	
BRIDGE DESIGN SECTION			