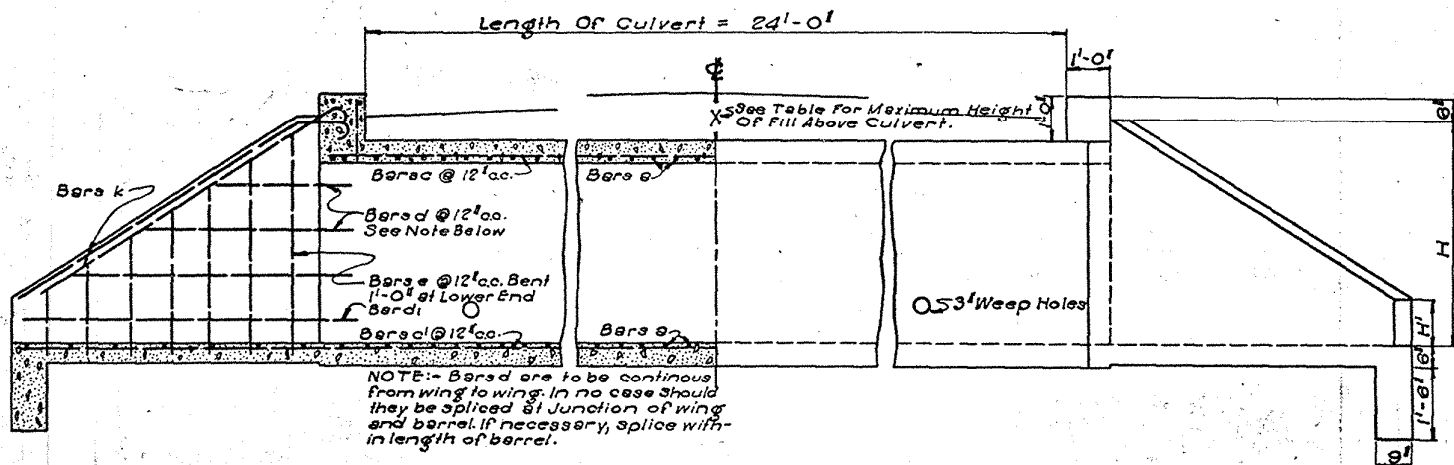
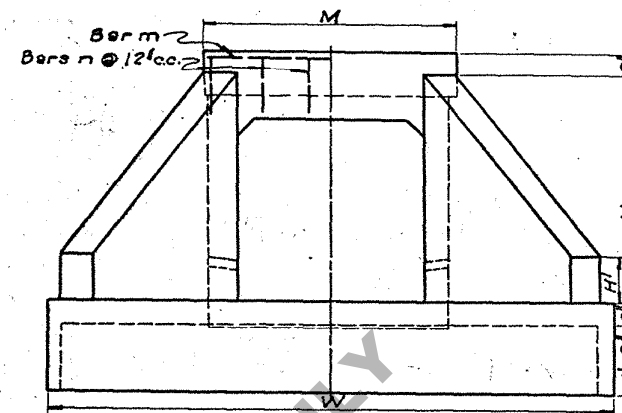
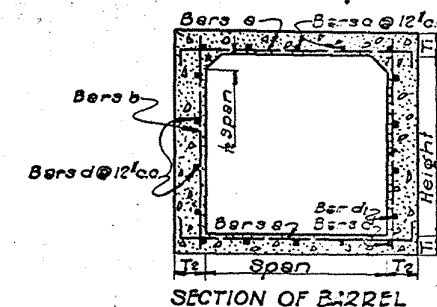




HALF LONGITUDINAL SECTION HALF SIDE ELEVATION



END VIEW

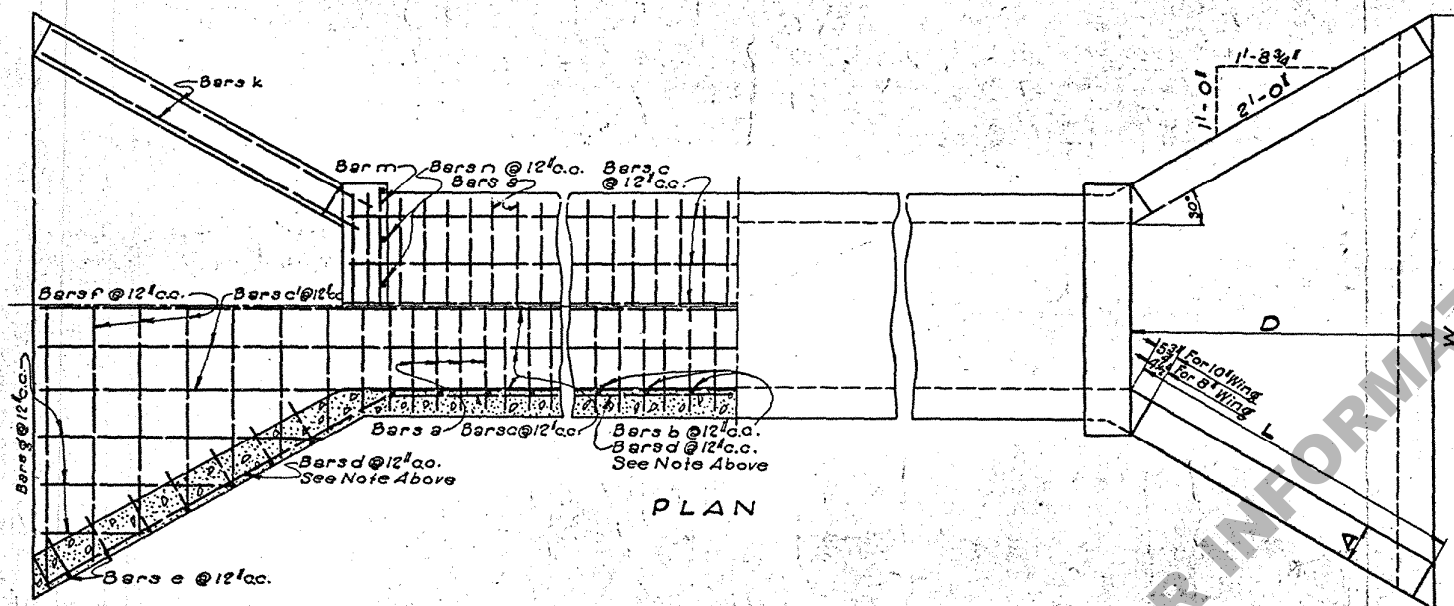


SECTION OF BARREL

STEEL SCHEDULE FOR 24'-0" CULVERT

OPENING	BARREL	WING WALL	FLOOR	REINFORCEMENT
SPAN	HEIGHT	SPAN	HEIGHT	SPAN
FT.	FT.-IN.	FT.	FT.-IN.	FT.
2	2'-0"	2'-0"	2'-0"	2'-0"
3	2'-6"	2'-6"	2'-6"	2'-6"
4	2'-10"	2'-10"	2'-10"	2'-10"
5	3'-0"	3'-0"	3'-0"	3'-0"

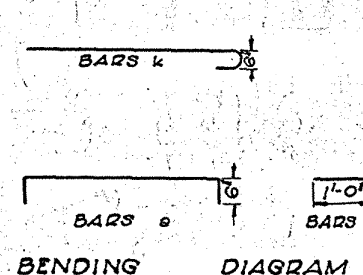
* NOTE: - To obtain lengths of intermediate bars, use variation as increment between short and long bar. No. of each length also given.



PLAN

GENERAL NOTES & DESIGN DATA

General specifications: - LOUISIANA HIGHWAY COMMISSION Spec.
 Concrete - All Class 4000 Mix.
 Steel - All 1/2" Bars, deformed.
 All exposed corners to be chamfered 3/4".
 All exposed surfaces to be given a smooth finish.
 Reinforcing bars should be wired at intersections and properly secured against displacement during depositing of concrete.
 Design Loads: - Concentrated Load - 15 Ton typical truck, with 30% impact allowance distributed as specified in general specifications.
 Entire weight of fill above culvert assumed as acting on culvert.
 Horizontal component of earth pressure taken as 30 lbs. per sq. ft.
 Steel in tension - 18,000 lbs. Concrete in compression - 6500 lbs.
 Fill above slab of culvert is not to exceed the maximum height 'X' as given in table.
 For multiple opening use same dimensions and steel. Intermediate walls to be of same thickness as wings, reinforced same as side walls.
 All dimensions referring to bars are to centers of bars.
 Bars at splices to be lapped 2'-0" and separated 2'.



BENDING DIAGRAM

DIMENSIONS & QUANTITIES - 24'-0" CULVERT

OPENING	BARREL	WINGS	FLOOR	REINFORCEMENT
SPAN	HEIGHT	SPAN	HEIGHT	SPAN
FT.	FT.-IN.	FT.	FT.-IN.	FT.
2	2'-0"	2'-0"	2'-0"	2'-0"
3	2'-6"	2'-6"	2'-6"	2'-6"
4	2'-10"	2'-10"	2'-10"	2'-10"
5	3'-0"	3'-0"	3'-0"	3'-0"

CONCRETE BOX CULVERTS
 FLARING WING WALLS
 2 FT. TO 5 FT. SPANS

LOUISIANA HIGHWAY COMMISSION
 BATON ROUGE, LA.

Scale 1/2" = 1'-0"

JAN. 1922