



NOTES

For Details & Dimensions not shown see Steel Plan at Center - Detail of Shear Lock & Guides, Sheet #25

Fabricator shall complete the detail Design of Shafting, Crankshafts, Connecting Rods, Clevises, Brackets, Gearing, Bearings, Pedestals, Pins, etc., to support the loads transmitted.

Fabricator to design & provide Sheet Metal Covers over all machinery except that which is totally enclosed. This is for protection of the machinery against rain, etc. when the Leaf is in the lowered position. Sheet Metal Covers may be tack welded to under side of Grid Floor.

Machinery shown to be installed on Leaf No 2. Receiving Castings are to be installed on Leaf No 1.

Crankshafts, Lock Bars, Clevises, & Pins to be Steel Forgings.

Lubrication Fittings to be provided for adequate Lubrication of Lock Bars in Lock Bar Guides, Lock Bar Castings, and Receiving Castings.

Movement of Lock Bars to be (3) (Total)

Time of Motor Operation (3) Seconds 7.27 Secs.

Time of Hand Operation (3) Min. 18 Secs. 2 Min. 42 Secs.

* N.T.S. - Not to scale

GEAR DATA

GEAR NR.	D.P.	Nº TEETH	PITCH DIA.	TOOTH SYSTEM	FACE WIDTH	Nº PIECES
G1	3	16/16	4.333	20° Inv	3 1/2"	1
G2	3	16/16	4.333	20° Inv	3"	1
G3	3	16/16	4.333	20° Inv	3 1/2"	1
G4	3	15	5.000	20° Inv	2"	1
G5	3	15	5.000	20° Inv	2"	1

GRAND ISLE - NO. HERO

LAYOUT OF CENTER SHEAR LOCK MECHANISM

Scale 3/4" = 1'-0"

REFERENCE SHEET

PROJECT NAME: NORTH HERO-GRANDE ISLE

PROJECT NUMBER: BHF 028-(K2I)

FILE NAME: structure\s92b284cleandsca PLOT DATE: 18-OCT-2007

PROJECT LEADER: M. EVANS-MONGEON DRAWN BY: L. DUQUETTE

DESIGNED BY: S. SCRIBNER CHECKED BY: S. SCRIBNER

SHEET 25 OF 41

Machinery includes G1, G2, G3, G4, G5, Shafting, Connecting Rods, Bearings, Brg. Pedestals & Lock Bars, etc.

Machinery - 1 L.S. (4300*)

June 1, 1950 - Revised in accordance with BPR letter dated May 24, 1950.