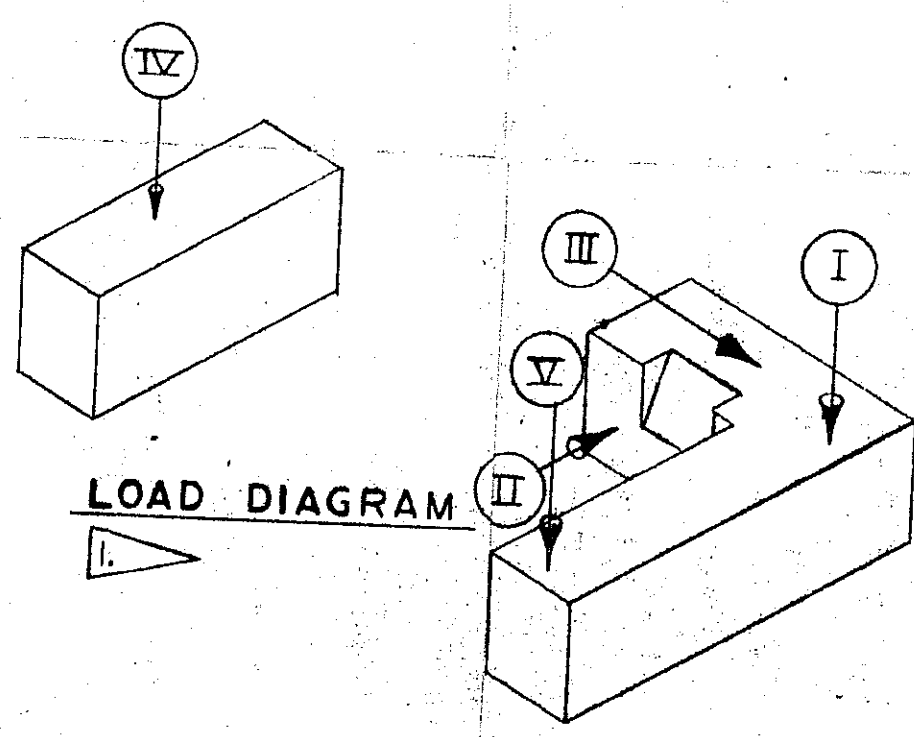


SYMBOL		REVISIONS		DATE	APPROVED
1	A-4	250,000 LBS WAS 191,100 & 265,000 LBS			
		WAS 202,850		11/16/70	

GENERAL NOTES:

1. CALCULATED LOADS NOT INCLUDING APPLICATION FACTORS.
2. VERTICAL LOAD OF PINION: 58,778 LBS.
3. HORIZONTAL LOAD AT PINION: 148 LBS.
4. AXIAL FORCE AT PINION 6062 LBS.
5. STATIC LOAD (FEED END) 250,000 LBS. INCLUDES GRINDING CHARGE AND NOMINAL PULP CHARGE.
6. STATIC LOAD (DISCHARGE END) 265,000 LBS. INCLUDES GRINDING CHARGE AND NOMINAL PULP CHARGE.
7. SPREAD AND DEPTH OF FOOTINGS TO BE DESIGNED TO SUPPORT THE SPECIFIED LOADS OF THE MARCY MILL UNDER LOCAL CONDITIONS BY THE PURCHASER.
8. ALL MATERIAL TO BE FURNISHED BY OTHERS.
9. GROUTING TO BE COMPLETED WITH ALL SOLE PLATES CORRECTLY LOCATED. FILL ALL PIPE WITH GROUT.
10. CONCRETE TOLERANCES TO BE $\pm 1/4$ "
11. BOLT CENTER TOLERANCE TO BE $\pm 1/8$ "
12. FOR REDUCTION OF THIS DWG. SEE DWG. (LATER)



PLAN VIEW

SECTION A-A

THIS DRAWING MADE FROM DWG. NO. 102405

msi industries, inc.
12'-0" X 14'-0" MARCY GRATE MILL
REGISTER No. 21402
PHELPS-DODGE CORP.
ORDER No. R286 R38100
TAG ACCT. 15040201

CERTIFIED DRAWING
SER. NO. DATE
2860-72 AUG 24 '72
BY *[Signature]*
msi industries, inc.

ITEM NO.	PART NUMBER	REQ'D. ONE ASSY.	MATERIAL	DESCRIPTION
15				SHIMS AS REQ'D
14				REGULAR HELICAL SPRING LOCK
13				WASHER 3/4 DIA.
12				TYPE A PLAIN WASHER, 1/2 I.D. X 2 O.D. X .148 THK.
11				HEX NUT, 1/2-10 UNC-2B
10				HEX BOLT, 1/2-10 UNC-2A X 1'-0" LG.
9				PIPE, 3 X SCH. 40 X 1'-6" LG.
8				HEX NUT, 1/2-6 UNC-2B
7				M. STL. FOUND. BOLT, 1 1/2-6 UNC-2A X 6'-9 1/2 LG.
6				M. STL. FOUND. BOLT, 1 1/2-6 UNC-2A X 6'-0 1/2 LG.
5				PIPE, 4 X SCH. 40 X 2'-6" LG.
4				HEX NUT, 2 1/2-4 UNC-2B
3				M. STL. FOUND. BOLT, 2 1/2-4 UNC-2A X 11'-11 1/2 LG.
2				STL. REINFORCING ROD AS REQUIRED
1				EMBECO GROUT OR EQUAL CONCRETE SPECIFICATION AS REQUIRED

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES.
TOLERANCES ON
FRACTIONS + 5/16" - 5/16"
ONE PLACE DECIMALS + .015" - .015"
TWO PLACE DECIMALS + .005" - .005"
THREE PLACE DECIMALS + .002" - .002"
ANGLES + 1° - 1°
DRAWN BY *[Signature]* 3/31/70
CHECKED BY *[Signature]* 3/31/70
THIS DRAWING IS THE PROPERTY OF MINE & SMELTER SUPPLY CO. AND MUST BE RETURNED ON REQUEST. DATA ON THIS DRAWING MUST NOT BE USED WITHOUT OUR PERMISSION.
ALL RIGHTS ARE RESERVED, BOTH AS TO PATENTS AND DESIGN.

MATERIAL LIST

MFG. DIVISION | MINE & SMELTER SUPPLY CO.
ENG. DEPARTMENT | DENVER, COLO. U.S.A.

FOUNDATION PLAN
12'-0" X 14'-0" MARCY MILL

DRAWING NO. 103262

SCALE 1/2" = 1'-0"

ELEVATION

DISCHARGE END ELEVATION