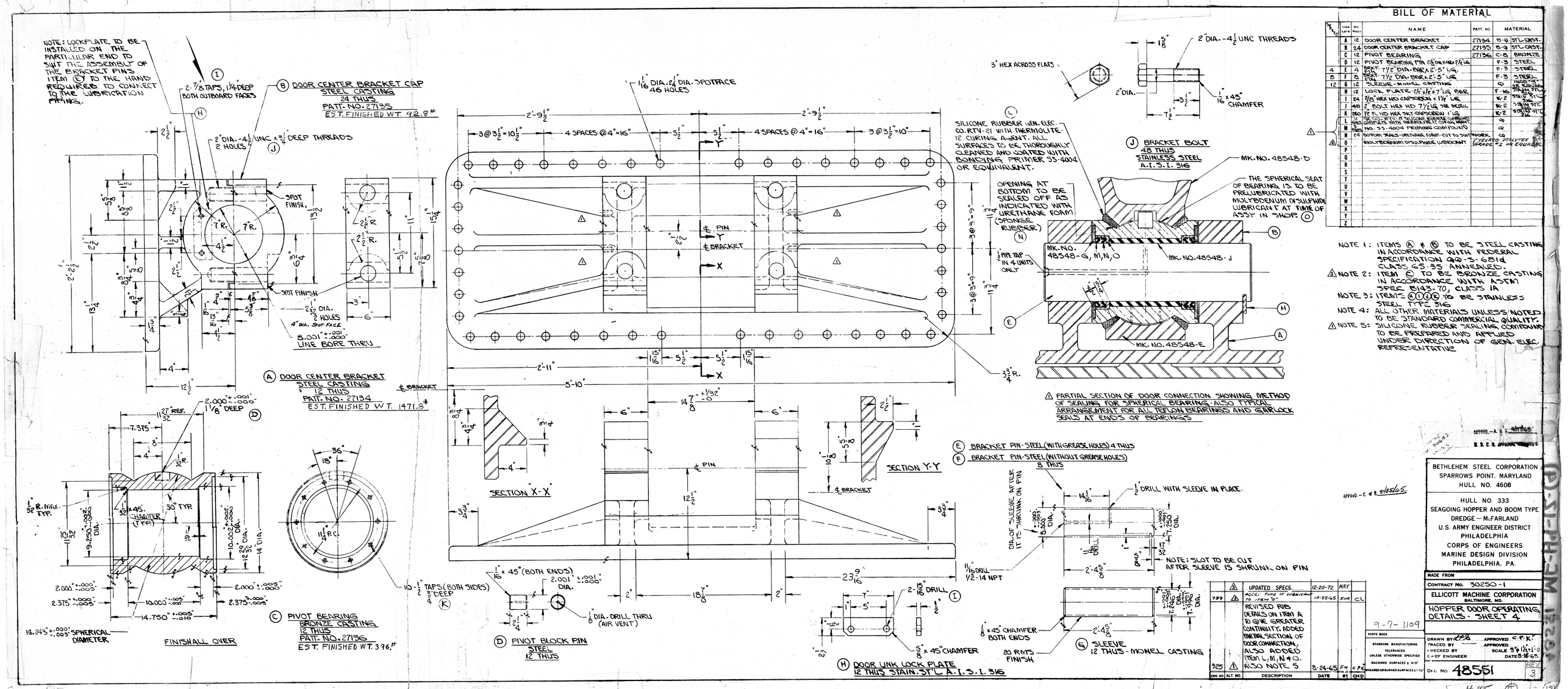

BILL OF MATERIAL

ITEM LETT.	NO. REQD.	NAME	PATT. NO.	MATERIAL
A	12	DOOR CENTER BRACKET	27134	B-9 STL. CAST.
B	24	DOOR CENTER BRACKET CAP	27135	B-9 STL. CAST.
C	12	PIVOT BEARING	27136	C-8 BRONZE
D	12	PIVOT BEARING PIN 2 3/8 DIA. x 2 1/2 LG.		F-3 STEEL
E	4	BRKT. 7 1/2" DIA.-BAR x 2'-5" LG.		F-3 STEEL
F	8	PIN 1 1/2 DIA.-BAR x 2'-5" LG.		F-3 STEEL
G	12	SLEEVE-MONEL CASTING		Q
H	12	LOCK PLATE-1/2" x 1 1/2" x 7" LG. BAR		F-16 STAIN. ST'L.
I	24	7/8" HEX HD CAPSCREW x 1 1/4" LG.		K-2 STL. ST'L.
J	48	2" BOLT HEX HD 7 1/2" LG. FOR DETAIL		K-2 STAIN. ST'L.
K	240	1/2" FL. HD HEX SKT CAPSCREW 1" LG.		K-2 STAIN. ST'L.
L	AS REQ.	SILICONE RUBBER GEN. ELEC. CO. RTV-21 WITH THERMOLITE-12 CURING AGENT. ALL SURFACES TO BE THOROUGHLY CLEANED AND COATED WITH BONDING PRIMER NO. 55-4004 PRIMING COMPOUND		Q
M	AS REQ.			Q
N	24	BOTTOM SEALS-URETHANE FOAM-CUT TO SHIP WORK.		Q
O		MOLYBDENUM DISULPHIDE LUBRICANT	(TEXACO "MALVEX" GRADE "2" OR EQUIVALENT)	
P				
Q				
R				
S				
T				
U				
V				
W				
X				
Y				
Z				

NOTE 1: ITEMS (A) & (B) TO BE STEEL CASTING IN ACCORDANCE WITH FEDERAL SPECIFICATION QQ-S-681d CLASS 65-35 ANNEALED.

△ NOTE 2: ITEM (C) TO BE BRONZE CASTING IN ACCORDANCE WITH ASTM SPEC. B143-70, CLASS 1A

NOTE 3: ITEMS (H)(I)(K) TO BE STAINLESS STEEL TYPE 316

NOTE 4: ALL OTHER MATERIALS UNLESS NOTED TO BE STANDARD COMMERCIAL QUALITY.

△ NOTE 5: SILICONE RUBBER SEALING COMPOUND TO BE PREPARED AND APPLIED UNDER DIRECTION OF GEN. ELEC. REPRESENTATIVE

APPROVD. — A. B. S. 4/17/65
B. E. C. E. [illegible]

APPROVD. — C. H. E. 8/25/65

BETHLEHEM STEEL CORPORATION
SPARROWS POINT, MARYLAND
HULL NO. 4608

HULL NO. 333
SEAGOING HOPPER AND BOOM TYPE
DREDGE — McFARLAND
U.S. ARMY ENGINEER DISTRICT
PHILADELPHIA
CORPS OF ENGINEERS
MARINE DESIGN DIVISION
PHILADELPHIA, PA.

MADE FROM
CONTRACT NO. 30250-1
ELLICOTT MACHINE CORPORATION
BALTIMORE, MD.

HOPPER DOOR OPERATING DETAILS - SHEET 4

9-7-1109

CHG. NO.	ALT. NO.	DESCRIPTION	DATE	BY	CHKD
325	△	UPDATED SPECS.	12-20-72	MAY	
799	△	MODIFY TYPE OF LUBRICANT TO ITEM "O"	10-22-65	KMA	CL
	△	REVISED PIN DETAILS ON ITEM A TO GIVE GREATER CONTINUITY. ADDED PARTIAL SECTION OF DOOR CONNECTION, ALSO ADDED ITEM L, M, N & O. ALSO NOTE 5	8-24-65	FM	CPK

PARTS BOOK
STANDARD MANUFACTURING TOLERANCES UNLESS OTHERWISE SPECIFIED
MACHINED SURFACES ± .015"
BREAKED OR BURNED SURFACES ± 1/32"

DRAWN BY CPK — APPROVED C.P.K.
TRACED BY — APPROVED
CHECKED BY — SCALE 3/4" = 1'-0"
CHIEF ENGINEER — DATE 5-18-65

DWG. NO. 48551 — REV. 3

#45 (5) (12)