

A-84-019
41-20

INTER-OFFICE MEMORANDUM

UNCLASSIFIED
Date: March 28 1945

To: Capt. W. S. Parsons **CLASSIFICATION CANCELLED**
From: R. W. Henderson **PER DOC REVIEW JAN. 1973**
Subject: Production Castings for Lens Gadget

As promised in my memorandum to you dated 23 March, we are transmitting herewith one (1) transparent print of each of the following drawings which show complete assemblies and details of all molds this project will furnish to NAD-McAlister. We have also included prints of associated equipment such as mold supports and shipping boxes for the complete castings:

- | | | |
|------------|------------|------------|
| Y1583C-18A | Y1583C-29B | Y1583D-14A |
| Y1583C-21A | Y1583C-34A | Y1583D-17B |
| Y1583C-22A | Y1583D-1B | Y1583D-19B |
| Y1583C-23A | Y1583D-2B | Y1583D-20A |
| Y1583C-24A | Y1583D-3A | Y1583D-32A |
| Y1583C-25A | Y1583D-4A | Y1583D-33A |
| Y1583C-26A | Y1583D-5C | Y1583D-35A |
| Y1583C-27A | Y1583D-6C | Y1583D-36A |
| Y1583C-28A | Y1583D-7B | Y1583D-37A |
| Y1585 | | Y1583D-38A |
| Y1585D-1C | Y1585D-25B | Y1585D-35A |
| Y1585D-2C | Y1585D-28B | Y1585D-36A |
| Y1585D-3C | Y1585D-29C | Y1585D-37A |
| Y1585D-4C | Y1585D-30A | Y1585D-38A |
| Y1585D-5B | Y1585D-31A | Y1585D-39A |
| Y1585D-16C | Y1585D-32A | Y1585D-40A |
| Y1585D-17C | Y1585D-33A | Y1585D-41A |
| Y1585D-18C | Y1585D-34A | |
| Y1794D-1A | Y1794D-3A | |
| Y1794D-2A | Y1794D-4A | |
| Y1796D-1A | Y1796D-3A | |
| Y1796D-2A | Y1796D-4A | |

VERIFIED UNCLASSIFIED
(Signature) **JAN 22 1998**

APR 12 1999
OSTI

FINAL DETERMINATION
UNCLASSIFIED
L. M. Redman
FEB 5 1981

Again referring to my memo of 23 March, the castings called for in that memo will be cast in the following molds:

- Block Code No. 32L5437NP Mold Assembly Drawing #Y1585D-36A
- Block Code No. 32L5437NH Mold Assembly Drawing #Y1585D-38A
- Block Code No. 32S3728NP Mold Assembly Drawing #Y1583D-33A
 - Spherical Cap Y1583C-21A
 - Spherical Plug Y1583C-24A
 - Mold Casing Y1583D-50

PUBLICLY RELEASABLE
LANL Classification Group
(Signature)
JAN 22 1998

CLASSIFICATION CANCELLED
PER DOC REVIEW JAN. 1973

~~**CONFIDENTIAL**~~

UNCLASSIFIED
This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Sec. 793 and 794, and the transmission or revelation of its contents in any manner to an unauthorized person is prohibited by law.

~~CONFIDENTIAL~~

-2- UNCLASSIFIED CLASSIFICATION CANCELLED
PER DOC REVIEW JAN. 1973

Block Code No. 32S3728NH Mold Assembly Drawing #Y1583D-33A
Spherical Cap Y1583C-22A
Spherical Plug Y1583C-25A
Mold Casing Y1583D-6C

Block Code No. 32S2818NP Mold Assembly Drawing Y1583D-32A
Spherical Insert Cap Y1583C-26A
Mold Casing Y1583D-5C

Block Code No. 32S2818NH Mold Assembly Drawing Y1583D-32A
Spherical Insert Cap Y1583C-27A
Mold Casing Y1583D-6C

Blocks Nos. 32S3728NP and 32S2818NP shall be packed together in shipping box drawing #Y1794D-1A with the latter in the bottom and a layer of 1/16" thick felt between it and the upper block.

Blocks Nos. 32S3728NH and 32S2818NH shall be packed together in shipping box drawing #Y1794D-2A with the latter in the bottom and a layer of 1/16" thick felt between it and the upper block.

Block No. 32L5437NP shall be packed in shipping box drawing #Y1796D-1A.

Block No. 32L5437NH shall be packed in shipping box drawing #Y1796D-2A.)

For your information we are now working on revisions to some of the above drawings modifying riser holes in such a way as to permit casting by the technique used by Yorktown, for the sole purpose of eliminating machining of risers and booster holes. These modifications will be made only on the molds going into "production" casting service, and revised prints showing the modifications will be forwarded as soon as they are available. In the meantime it is suggested that the enclosed set of prints be forwarded to the casting plant to acquaint them with the type of molds they will receive shortly.

RWH/bsa
cc - G.B.Kistiakowsky
Comdr.N.E.Bradbury
LtCol.R.W.Lockridge
file

R. W. HENDERSON

RWH

UNCLASSIFIED

CLASSIFICATION CANCELLED
PER DOC REVIEW JAN. 1973

~~CONFIDENTIAL~~

22251611