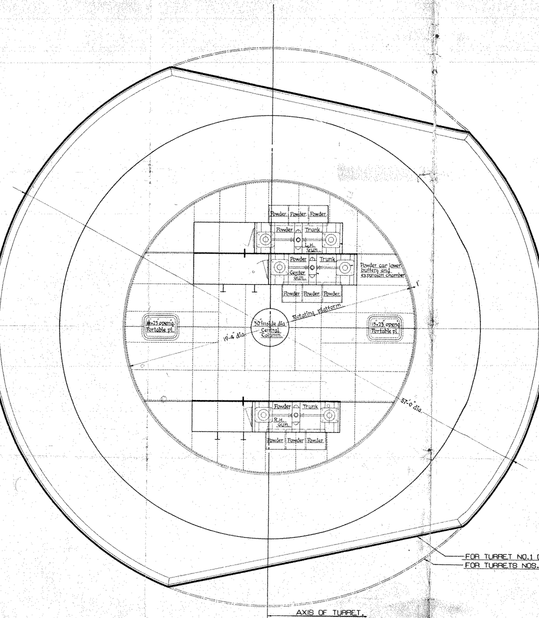
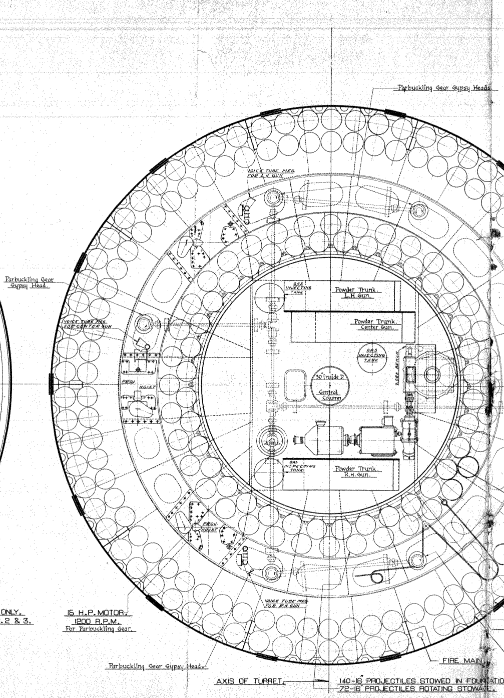
U. S. MASSACHUSETTS



Powder
Powder
Powder
Powder
Trunk
L.H. Gun.
Powder
Trunk
Center Gun.
Powder car lower buffers and expansion chamber.
Powder
Powder
Powder
1"
15×23 openg. Portable pl.
30" inside dia. Central Column.
Rotating platform
15×23 openg. Portable pl.
19'-4" dia.
Powder
Trunk
R.H. Gun.
Powder
Powder
Powder
37'-0" dia.
FOR TURRET NO.1 ONLY.
FOR TURRETS NOS. 2 & 3.
AXIS OF TURRET.

PLAN AT ROTATING POWDER LOADING PLATFORM & MAGAZINE LEVEL

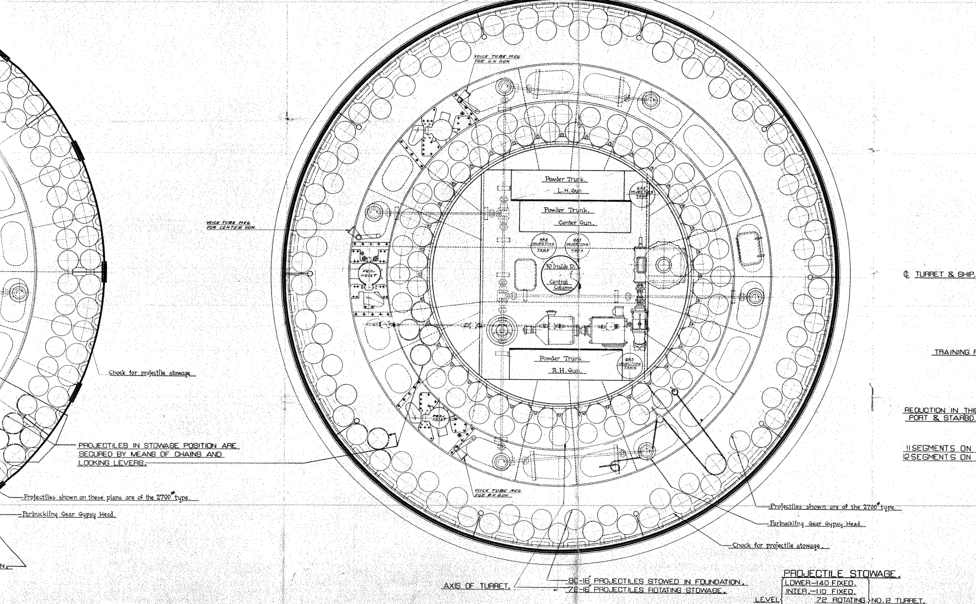


Parbuckling Gear Gypsy Heads.
VOICE TUBE MEG. FOR L.H. GUN.
Parbuckling Gear Gypsy Head.
VOICE TUBE MEG. FOR CENTER GUN
GAS INJECTING TANK
Powder Trunk. L.H. Gun.
Powder Trunk. Center Gun.
GAS INJECTING TANK
WORK BENCH
PROJ. HOIST
30" inside D. Central Column
GAS INJECTING TANK
Powder Trunk. R.H. Gun.
PROJ. HOIST
VOICE TUBE MEG. FOR R.H. GUN
15 H.P. MOTOR. 1200 R.P.M. For Parbuckling Gear.
FIRE MAIN.
Parbuckling Gear Gypsy Head.
AXIS OF TURRET.
140-16" PROJECTILES STOWED IN FOU[illegible]ATIO
72-16" PROJECTILES ROTATING STOWA[illegible]E.

PLAN VIEW AT LOWER SHELL LEVEL.

34'-7" BELOW ℄ OF GUN. 24-2" ABOVE B.L. } TUR.S I & III

34'-7" BELOW ℄ OF GUN. 32-2" ABOVE B.L. } TUR. II


VOICE TUBE MEG. FOR L.H GUN
VOICE TUBE MEG. FOR CENTER GUN.
Powder Trunk.
L.H. Gun
GAS INJECTING TANK
Powder Trunk.
Center Gun.
GAS INJECTING TANK
GAS INJECTING TANK
30" inside D.
Central Column
PROJ. HOIST
Powder Trunk.
R.H. Gun.
GAS INJECTING TANK
PROJ. HOIST
VOICE TUBE MEG. FOR R.H GUN
Chock for projectile stowage.
PROJECTILES IN STOWAGE POSITION ARE SECURED BY MEANS OF CHAINS AND LOCKING LEVERS.
Projectiles shown on these plans are of the 2700# type.
Parbuckling Gear Gypsy Head.
N.
℄ TURRET & SHIP.
TRAINING F
REDUCTION IN THIC
PORT & STARBD.
11 SEGMENTS ON
12 SEGMENTS ON
Projectiles shown are of the 2700# type.
Parbuckling Gear Gypsy Head.
Chock for projectile stowage.
AXIS OF TURRET.
90-16" PROJECTILES STOWED IN FOUNDATION.
72-16" PROJECTILES ROTATING STOWAGE.

PROJECTILE STOWAGE.

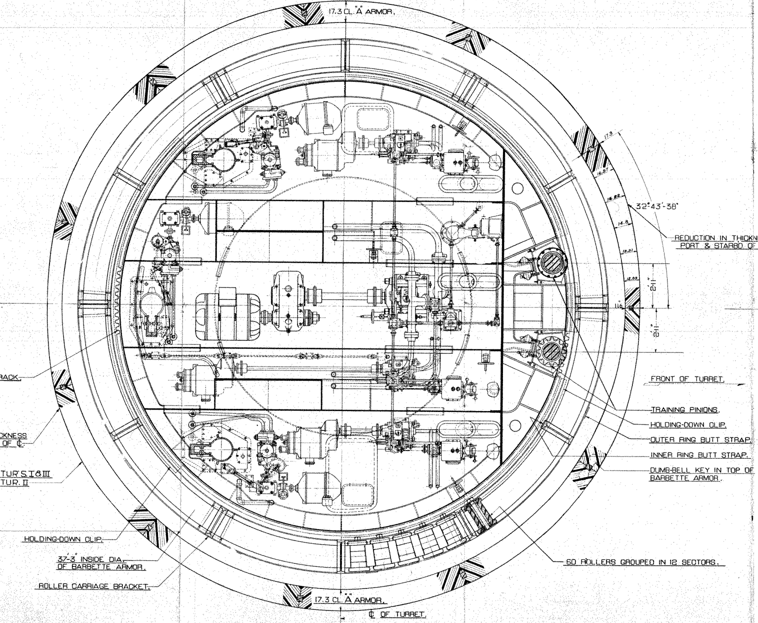
LEVEL
LOWER—140 FIXED.
INTER.—110 FIXED.
72 ROTATING.
UPPER—70 FIXED.
72 ROTATING.
NO. 2 TURRET.

LEVEL
LOWER—140 FIXED.
72 ROTATING.
UPPER—90 FIXED.
72 ROTATING.
NO. 1 & 3 TURRET.

PLAN VIEW AT UPPER SHELL LEVEL.

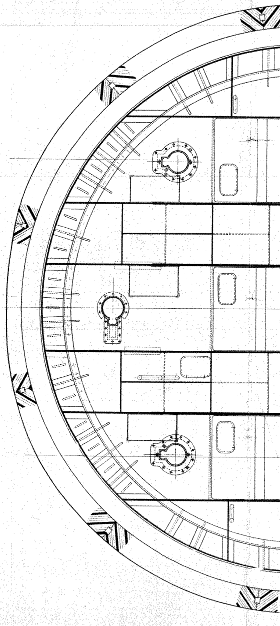
26'-10" BELOW ℄ OF GUN.
31'-11" ABOVE B.L.
TUR. #I & #III

26'-10" BELOW ℄ OF GUN.
39'-11" ABOVE B.L.
TUR. #II

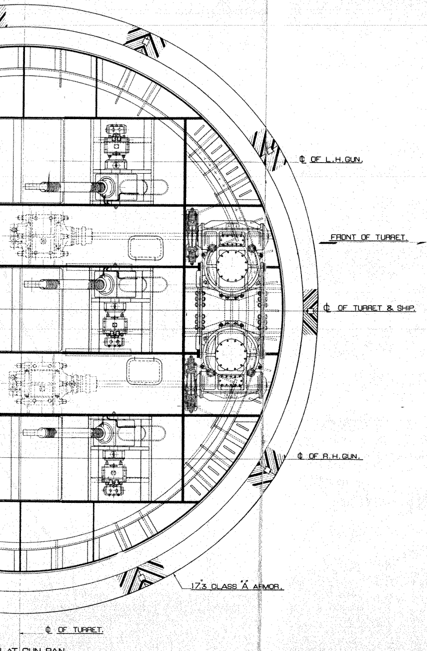


17.3 CL."A" ARMOR.
17.3
16.97
16.22
14.8
13.31
12.05
11.6"
32°43'-38"
2'-11"
2'-11"
REDUCTION IN THICKNESS PORT & STARBD OF ℄.
FRONT OF TURRET.
TRAINING PINIONS.
HOLDING-DOWN CLIP.
OUTER RING BUTT STRAP.
INNER RING BUTT STRAP.
DUMB-BELL KEY IN TOP OF BARBETTE ARMOR.
60 ROLLERS GROUPED IN 12 SECTORS.
RACK.
CKNESS
OF ℄.
TUR'S.I&III
TUR.II
HOLDING-DOWN CLIP.
37'-3" INSIDE DIA. OF BARBETTE ARMOR.
ROLLER CARRIAGE BRACKET.
17.3 CL."A" ARMOR.
℄ OF TURRET.

PLAN VIEW OF ELECTRIC DECK.
SECTION THROUGH HOR. ℄ OF ROLLERS.
TURRET NO. 1.
TURRETS NOS. 2 & 3 SIMILAR,
EXCEPT AS NOTED.



PLAN
T
TURRETS N
EX

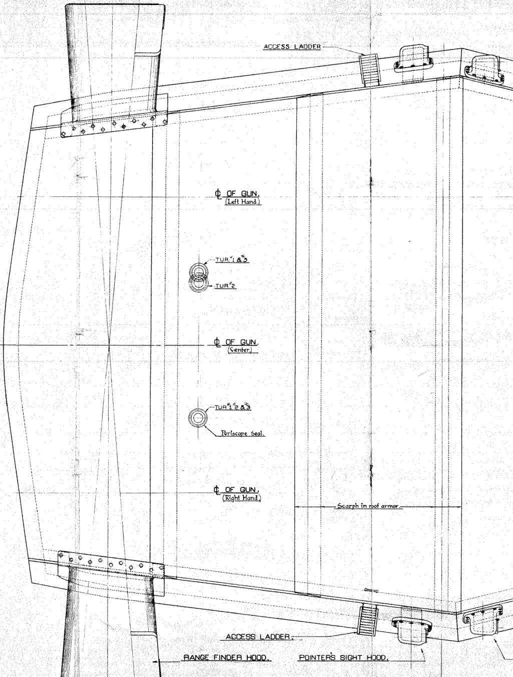

℄ OF L.H. GUN.
FRONT OF TURRET.
℄ OF TURRET & SHIP.
℄ OF R.H. GUN.
17.3" CLASS "A" ARMOR.
℄ OF TURRET.

N AT GUN PAN.

URRET NO. 1.

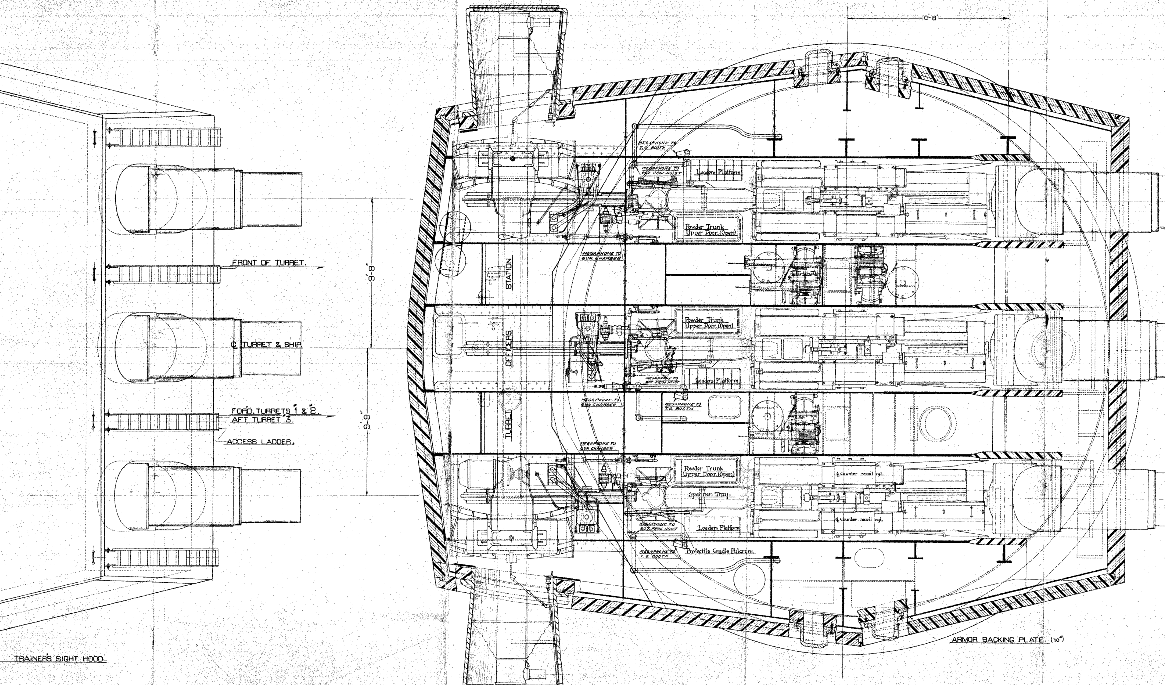
NOS. 2 & 3 SIMILAR,

CEPT AS NOTED.


ACCESS LADDER
℄ OF GUN. (Left Hand)
TUR. #1 & #3
TUR. #2
℄ OF GUN. (Center)
TUR. #1 #2 & #3
Periscope Seal.
℄ OF GUN. (Right Hand)
Scarph in roof armor.
ACCESS LADDER.
RANGE FINDER HOOD.
POINTER'S SIGHT HOOD.

PLAN AT TOP OF TURRET.

℄ OF TURRET


10'-8"
FRONT OF TURRET.
9'-9"
9'-9"
℄ TURRET & SHIP.
FORD. TURRETS 1 & 2.
AFT TURRET 3.
ACCESS LADDER.
TRAINER'S SIGHT HOOD.
STATION
OFFICERS
TURRET
MEGAPHONE TO T.O. BOOTH
MEGAPHONE TO BOT. PROJ. HOIST
Loaders Platform
Powder Trunk Upper Door. (Open)
MEGAPHONE TO GUN CHAMBER
Powder Trunk Upper Door. (Open)
MEGAPHONE TO BOT. PROJ. HOIST
Loaders Platform
MEGAPHONE TO GUN CHAMBER
MEGAPHONE TO T.O. BOOTH
MEGAPHONE TO GUN CHAMBER
Powder Trunk Upper Door. (Open)
Spanner Tray.
℄ Counter recoil cyl.
℄ Counter recoil cyl.
MEGAPHONE TO BOT. PROJ. HOIST
Loaders Platform
MEGAPHONE TO T.O. BOOTH
Projectile Cradle Fulcrum.
ARMOR BACKING PLATE. (30")

FR. NO. 41¾ FOR TURRET NO. 1
FR. NO. 58¾ " " " 2
FR. NO. 123½ " " " 3

PLAN AT SHELF PLATE. [THRU STRUCTURE]
PLAN OF GUNS. [AT TOP OF SLIDE]

AREA: 207½" x 27" = 38.8

U. S. S. MASSACHUSETTS

DATE	
S or S	2
DATE TA PREL	
SWTN	
[illegible]	
A&S	
[illegible]	
WTS	1
PROD	1
TC	2
TB	
SC	
R	
O	2
V	1
N	
M	
L	
K	
H	1
D	
E	
EA	
DS	2
B	
MC	1
MS	
UA	2
DATE	[illegible]

16

BETHLEHEM STEEL CO. SHIPBUILDING DIVISION
FORE RIVER YARD QUINCY, MASS.
HULL DEPARTMENT

JOB No. 1478541 PLAN No. 78541-143

BB 59 U. S. S. MASSACHUSETTS

~~NEW YORK SHIPBUILDING CORP.~~
~~CAMDEN, NEW JERSEY, U.S.A.~~
~~HULL DEPARTMENT.~~

15" GUN TURRETS.
GENERAL ARRANGEMENT.
PLAN VIEWS.

~~SCALE ¼" = 1 Ft. DRAWN BY F.O.S. DATE 10-6-41~~
~~TRACED BY F.S.F. CHECKED BY C.S.S. ASS'T NAVAL ARCH. H.R.~~

~~DR. No. 421-269-AD~~

~~APPROVED. F.H.Brown NAVAL ARCHITECT~~

78541 143

BB 57 & 59
FORWARDED TO BUREAU,
LET. No. BB57/S72 (1244)
January 16, 1942
SUPERVISOR OF SHIPBG. U.S.N.

BB 57 & 59
APPROVED 1/15/42 DATE
FOR C.M.Tooke
SUPERVISOR OF SHIPBG. U.S.N.
REF. LET.

17318

Q-1-31-42

PLAN
EXAMINED & FOUND
CORRECT

78541-143