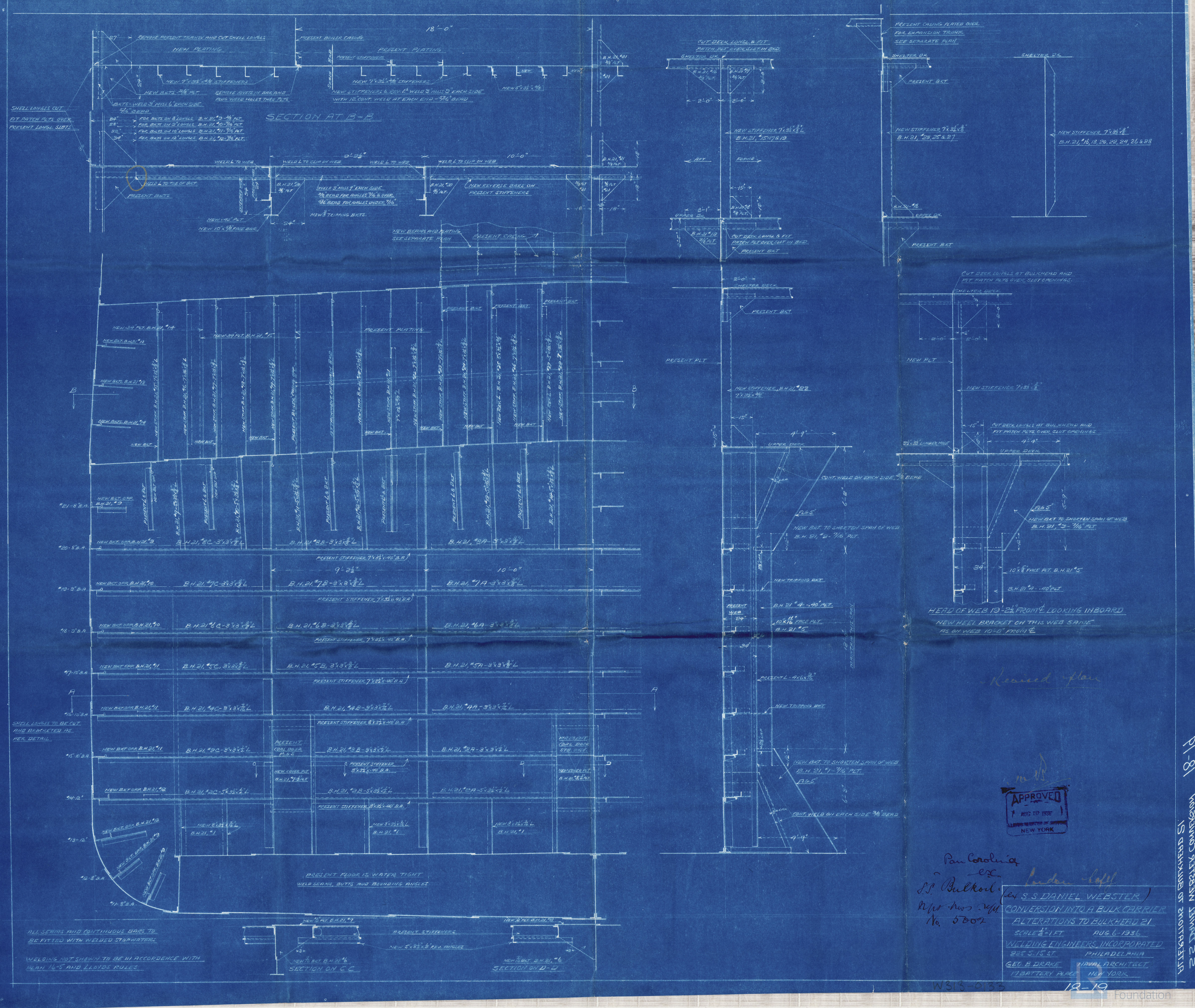

SECTION AT B-B
18'-0"
REMOVE PRESENT TRANSV AND CUT SHELL LONGLS
NEW PLATING
PRESENT BOILER CASING
PRESENT PLATING
PRESENT STIFFENERS
SWASH BKD
NEW 7"x3½"x⅜" STIFFENERS
NEW BKTS -⅜" PLT
REMOVE RIVETS IN BAR AND PLUG WELD HOLES THRU PLTS
NEW STIFFENERS & REV. L'S WELD 3" MISS 9" EACH SIDE WITH 12" CONT. WELD AT EACH END - 5/16" BEAD
NEW 5"x3½"x⅜"
BKTS - WELD 3" MISS 6" EACH SIDE 5/16" BEAD
SHELL LONGLS CUT
FIT PATCH PLTS OVER PRESENT LONGL SLOTS
24" FOR BKTS ON 8" LONGLS B.H.21, #9 - ⅜" PLT
28" FOR BKTS ON 9" LONGLS B.H.21, #10 - 7/16" PLT
32" FOR BKTS ON 10" LONGLS B.H.21, #11 - 7/16" PLT
34" FOR BKTS ON 12" LONGLS B.H.21, #12 - 7/16" PLT
9'-2½"
10'-0"
WELD L TO WEB
WELD L TO CLIP ON WEB
WELD L TO TOE OF BKT
PRESENT BKTS
EXTENDED WEB 34"
PRESENT WEB 24"
B.H.21, #20 ⅜" PLT
WELD 3" MISS 9" EACH SIDE
⅜" BEAD FOR ANGLES 7/16" & OVER
5/16" BEAD FOR ANGLES UNDER 7/16"
NEW ⅜" TRIPPING BKTS.
NEW .40" PLT
NEW 10"x⅝" FACE BAR
24"
NEW REVERSE BARS ON PRESENT STIFFENERS
B.H.21, #21 ⅜" PLT
NEW BEAMS AND PLATING SEE SEPARATE PLAN
PRESENT CASING
CUT DECK LONGL & FIT PATCH PLT OVER SLOT IN BKD
SHELTER DK
B.H.21, #16 ⅜" PLT.
B.H.21 #17 ⅜" PLT
NEW STIFFENER 7"x3½"x⅜" L B.H.21, #15-17 & 19
AFT
FORWD
B.H.21 #18 ⅜" PLT.
UPPER DK
B.H.21 #19 ⅜" PLT
PRESENT BKT
PRESENT CASING PLATED OVER FOR EXPANSION TRUNK SEE SEPARATE PLAN
NEW STIFFENER 7"x3½"x⅜" B.H.21, #23, 25 & 27
NEW STIFFENER 7"x3½"x⅜" B.H.21, #16, 18, 20, 22, 24, 26 & 28
B.H.21-#18
SHELTER DECK
PRESENT PLT
NEW STIFFENER, B.H.21, #23 7"x3½"x⅜"
UPPER DECK
CUT DECK LONGLS AT BULKHEAD AND FIT PATCH PLTS OVER SLOT OPENINGS.
NEW PLT
NEW STIFFENER 7"x3½"x⅜"
3½"x3½" LIMBER HOLE
CONT. WELD ON EACH SIDE, ⅜" BEAD
FLG 5"
NEW BKT. TO SHORTEN SPAN OF WEB B.H.21, #2 - 7/16" PLT.
NEW BKT TO SHORTEN SPAN OF WEB B.H.21, #3 - 7/16" PLT
NEW TRIPPING BKT
PRESENT WEB 24"
B.H.21 #4 - .40" PLT.
10"x11/16" FACE PLT B.H.21 #5
10"x⅝" FACE PLT. B.H.21 #5
B.H.21 #4 - .40" PLT
PRESENT L - 4x6x9/16"
NEW BKT. TO SHORTEN SPAN OF WEB B.H.21, #1 - 7/16" PLT.
CONT. WELD ON EACH SIDE ⅜" BEAD
HEAD OF WEB 19'-2½" FROM ℄ LOOKING INBOARD
NEW HEEL BRACKET ON THIS WEB SAME AS ON WEB 10'-0" FROM ℄
NEW -39" PLT. B.H.21, #14
NEW -39" PLT. B.H.21, #15
NEW BKT. B.H.21 #13
NEW BKTS. B.H.21 #13
NEW BKTS. B.H.21, #14
NEW BKT
NEW STIFF. B.H.21, #15 - 7"x3½"x⅜" L
NEW STIFF. B.H.21, #16 - 7"x3½"x⅜" L
NEW STIFF. B.H.21, #17 - 7"x3½"x⅜" L
NEW STIFF. B.H.21, #18 - 7"x3½"x⅜" L
NEW STIFF. B.H.21, #19 - 7"x3½"x⅜" L
PRESENT BOILER CASING BHD
ATTACHMENT OF SWASH BHD
NEW STIFF. B.H.21, #20 - 7"x3½"x⅜" L
NEW STIFF. B.H.21, #21 7"x3½"x⅜" L
NEW STIFF. B.H.21, #22 - 7"x3½"x⅜" L
NEW STIFF. B.H.21, #23 - 7"x3½"x⅜" L
NEW STIFF. B.H.21, #24 - 7"x3½"x⅜" L
NEW REV. L. B.H.21, #25 5"x3½"x⅜"
NEW STIFF. B.H.21, #26 - 7"x3½"x⅜" L
NEW REV. L. B.H.21, #27 - 5"x3½"x⅜" L
NEW STIFF. B.H.21, #28 7"x3½"x⅜" L
PRESENT BKT
PRESENT L & BKT
NEW BKT OPP
B.H.21, #9 - 5"x3½"x⅜" L
B.H.21, #10 - 5"x3½"x⅜" L
B.H.21, #11 - 5"x3½"x⅜" L
B.H.21, #12 - 5"x3½"x⅜" L
B.H.21, #13 - 5"x3½"x⅜" L
B.H.21, #14 - 5"x3½"x⅜" L
#21 - 8" B.A.
NEW BKT. OPP. B.H.21, #9
#20 - 8" B.A.
B.H.21, #8C - 3"x3"x⅜" L
B.H.21 #8B - 3"x3"x⅜" L
B.H.21, #8A - 3"x3"x⅜" L
PRESENT STIFFENER 7"x3½"x.40" B.A.
#19 - 9" B.A.
NEW BKT. OPP. B.H.21, #10
B.H.21, #7C - 3"x3"x⅜" L
B.H.21, #7B - 3"x3"x⅜" L
B.H.21, #7A - 3"x3"x⅜" L
#18 - 9" B.A.
B.H.21 #6C - 3"x3"x⅜" L
B.H.21, #6B - 3"x3"x⅜" L
B.H.21, #6A - 3"x3"x⅜" L
#17 - 10" B.A.
NEW BKT. OPP. B.H.21, #11
B.H.21, #5C, 3"x3"x⅜" L
B.H.21, #5B, 3"x3"x⅜" L
B.H.21, #5A - 3"x3"x⅜" L
#16 - 10" B.A.
B.H.21, #4C - 3"x3"x7/16" L
B.H.21, #4B - 3"x3"x7/16" L
B.H.21, #4A - 3"x3"x7/16" L
PRESENT STIFFENER 8"x3½"x.40" B.A.
SHELL LONGLS TO BE CUT AND BRACKETED AS PER DETAIL
#15 - 10" B.A.
B.H.21, #3C - 3"x3"x½" L
PRESENT COAL DOOR P. & S.
B.H.21, #3B - 3"x3"x½" L
B.H.21, #3A - 3"x3"x½" L
PRESENT COAL DOOR STB. ONLY.
NEW COVER PLT B.H.21, #7 - ½" PLT.
NEW COVER PLT. B.H.21, #8 ½" PLT.
PRESENT STIFFENER 8"x3½"x.40" B.A.
#14 - 12"
NEW BKT OPP. B.H.21, #12
B.H.21, #2C - 5"x3½"x½" L
B.H.21, #2B - 5"x3½"x½" L
B.H.21, #2A - 5"x3½"x½" L
NEW 8"x3½"x7/16" L B.H.21, #1
#13 - 12"
NEW BKT. OPP. B.H.21, #12
NEW BKT. OPP. B.H.21, #9
#12 - 8" B.A.
#11 - 8" B.A.
PRESENT FLOOR IS WATER TIGHT
WELD SEAMS, BUTTS AND BOUNDING ANGLES
NEW ½" PLT. B.H.21, #7
NEW 7/16" BKT. B.H.21 #6
SECTION ON C-C
PRESENT STIFFENERS
NEW 5"x3½"x½" REV. ANGLES
NEW ½" PLT. B.H.21, #8
NEW 7/16" BKT B.H.21, #6
SECTION ON D-D
ALL SEAMS AND CONTINUOUS BARS TO BE FITTED WITH WELDED STOPWATERS
WELDING NOT SHOWN TO BE IN ACCORDANCE WITH PLAN 16-5 AND LLOYDS RULES
Revised plan
APPROVED
AUG 10 1936
NEW YORK
Pan Carolina ex S.S. Bulkoil
(ex S.S. DANIEL WEBSTER)
CONVERSION INTO A BULK CARRIER
ALTERATIONS TO BULKHEAD 21
SCALE ½" = 1 FT. AUG. 6 - 1936
WELDING ENGINEERS, INCORPORATED
225 S. 15 ST. PHILADELPHIA
GEO. B. DRAKE NAVAL ARCHITECT
17 BATTERY PLACE NEW YORK
18-19
W313-0133
S.S. DANIEL WEBSTER CONVERSION ALTERATIONS TO BULKHEAD 21
18-19