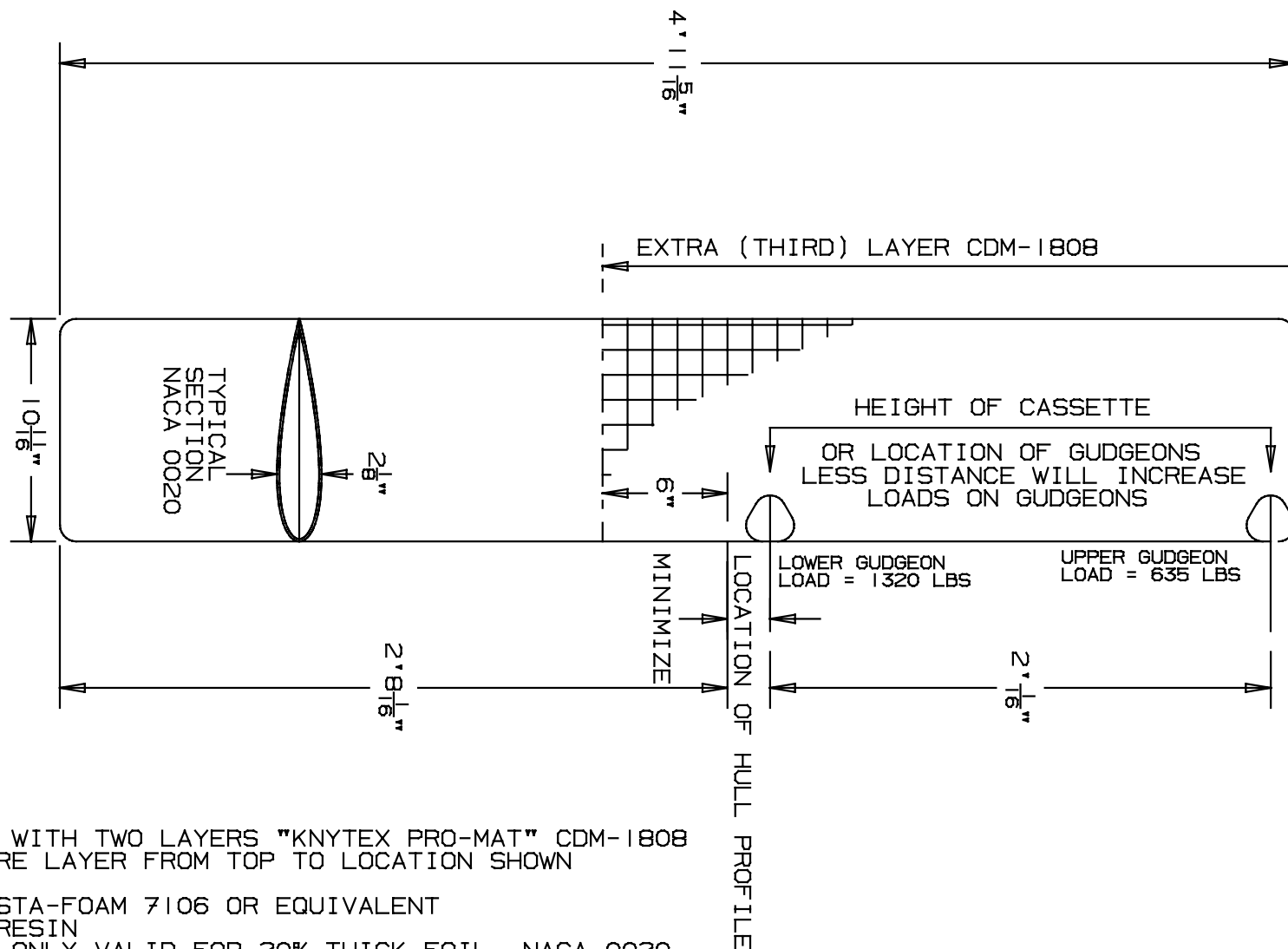


FOR SMALLER BOATS, DIMENSIONS CAN BE SCALED BY BOAT LENGTH
 DRAFT OF EMERGENCY RUDDER SHOULD BE HALF DRAFT OF PRIMARY RUDDER OR MORE



COVER FOAM WITH TWO LAYERS "KNYTEX PRO-MAT" CDM-1808
 ADD ONE MORE LAYER FROM TOP TO LOCATION SHOWN

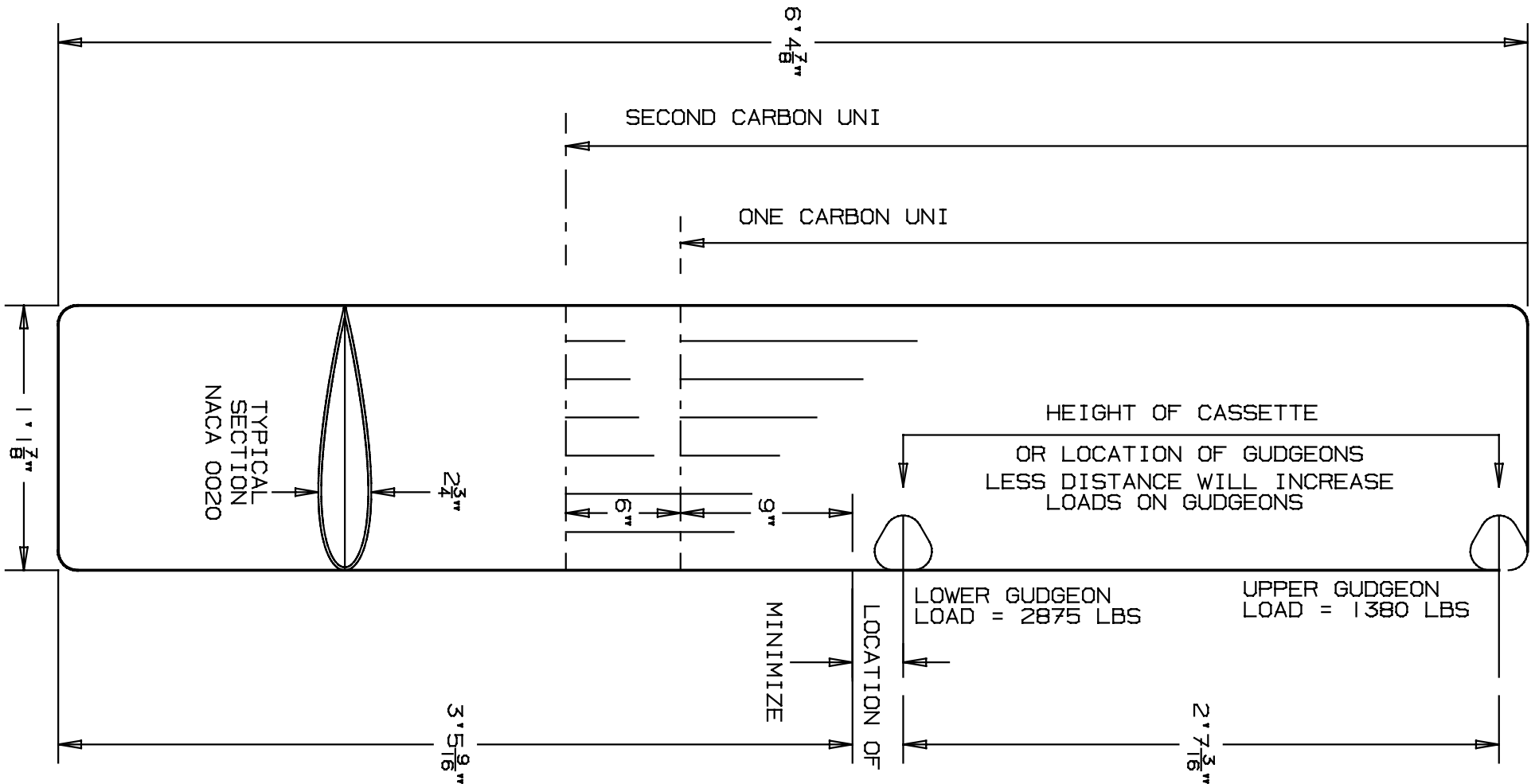
FOAM IS LASTA-FOAM 7106 OR EQUIVALENT
 USE EPOXY RESIN
 THIS LAYUP ONLY VALID FOR 20% THICK FOIL, NACA 0020
 ROUGH OUTSIDE SURFACE IS OK
 TAPE LEADING AND TRAILING EDGES FOR GOOD BOND

DRAWING
 ER-27

TYPICAL EMERGENCY RUDDER BLADE
 FOR BOATS UP TO 27' LONG

ANTRIM ASSOCIATES, NAVAL ARCHITECTS
 401B ARCHERY WAY, EL SOBRANTE, CA. 94803 (510) 223-9680
 SCALE: (1:8) 1.5" = 1' FEB 20, 2004 JKA

FOR SMALLER BOATS, DIMENSIONS CAN BE SCALED BY BOAT LENGTH
 DRAFT OF EMERGENCY RUDDER SHOULD BE HALF DRAFT OF PRIMARY RUDDER OR MORE



COVER FOAM WITH ONE "KNYTEX PRO-MAT" CDM-1808
 ADD TWO LAYERS CARBON UNI GA-090 AS SHOWN
 COVER WITH ONE MORE CDM-1808

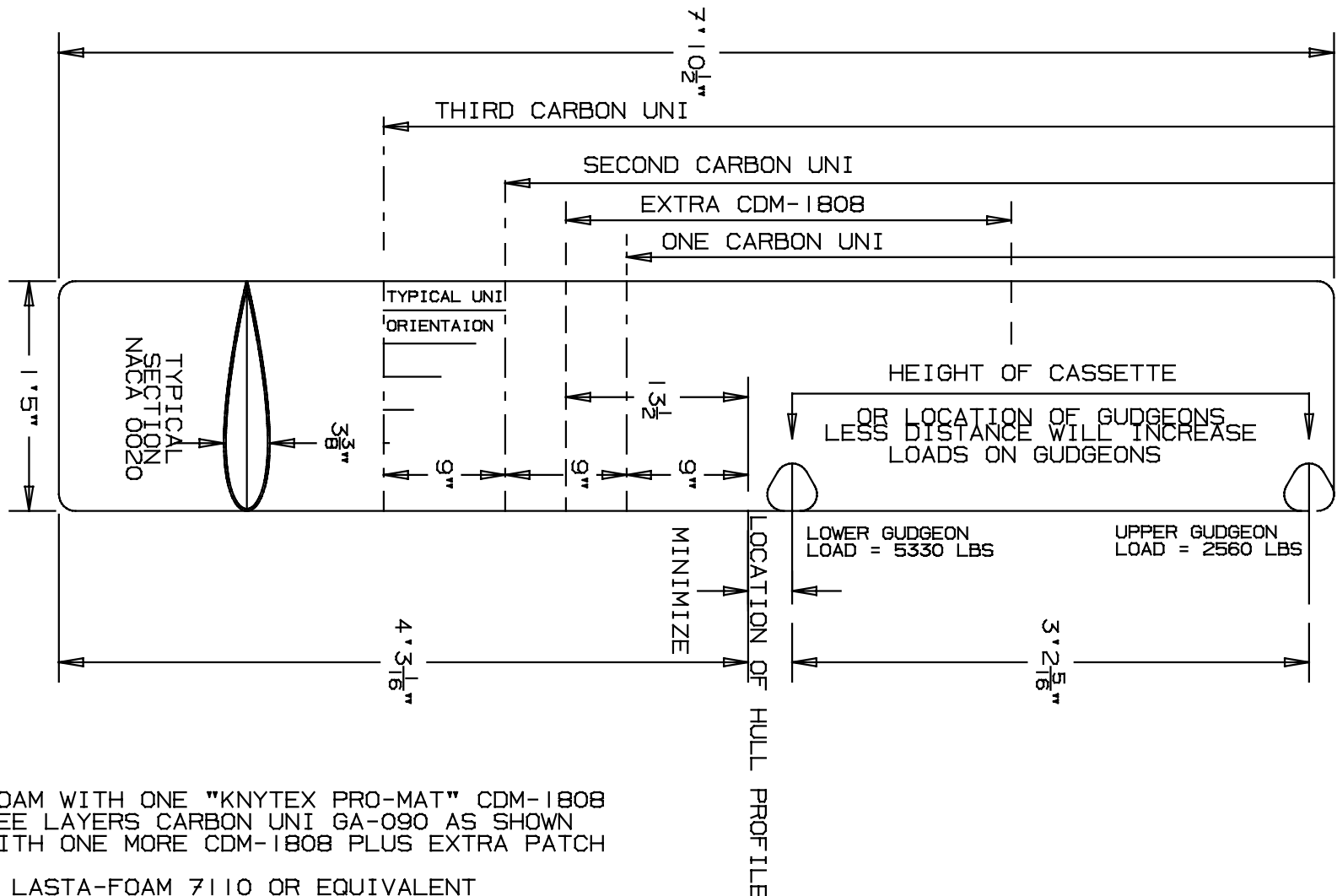
FOAM IS LASTA-FOAM 7110 OR EQUIVALENT
 USE EPOXY RESIN
 THIS LAYUP ONLY VALID FOR 20% THICK FOIL, NACA 0020
 ROUGH OUTSIDE SURFACE IS OK
 TAPE LEADING AND TRAILING EDGES FOR GOOD BOND

DRAWING
 ER-35

TYPICAL EMERGENCY RUDDER BLADE
 FOR BOATS UP TO 35' LONG

ANTRIM ASSOCIATES, NAVAL ARCHITECTS
 4018 ARCHERY WAY, EL SOBRANTE, CA. 94803 (510) 223-9680
 SCALE: (1:8) 1.5" = 1" FEB 20, 2004 JKA

FOR SMALLER BOATS, DIMENSIONS CAN BE SCALED BY BOAT LENGTH
 DRAFT OF EMERGENCY RUDDER SHOULD BE HALF DRAFT OF PRIMARY RUDDER OR MORE



COVER FOAM WITH ONE "KNYTEX PRO-MAT" CDM-1808
 ADD THREE LAYERS CARBON UNI GA-090 AS SHOWN
 COVER WITH ONE MORE CDM-1808 PLUS EXTRA PATCH

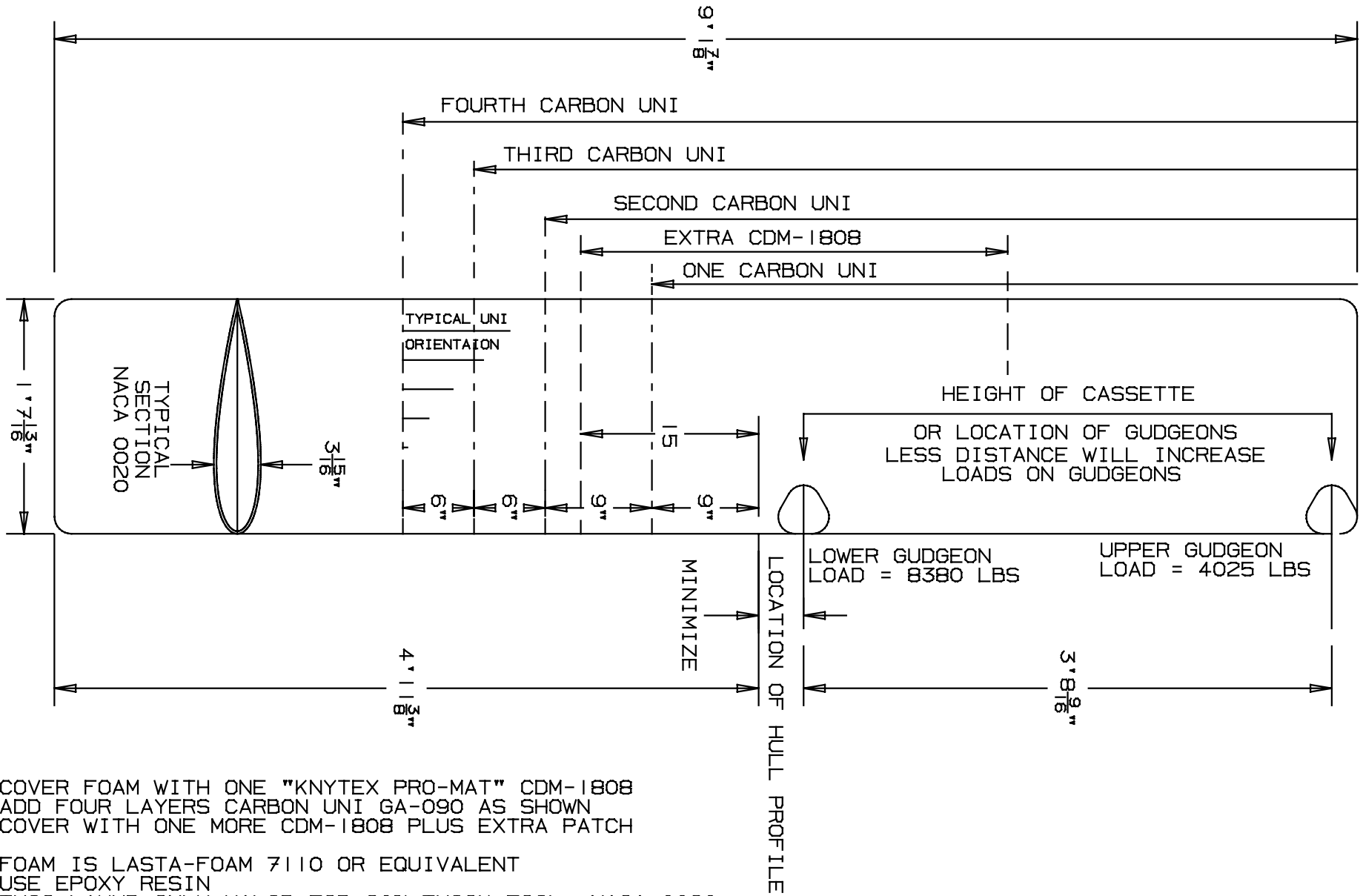
FOAM IS LASTA-FOAM 7110 OR EQUIVALENT
 USE EPOXY RESIN
 THIS LAYUP ONLY VALID FOR 20% THICK FOIL, NACA 0020
 ROUGH OUTSIDE SURFACE IS OK
 TAPE LEADING AND TRAILING EDGES FOR GOOD BOND

DRAWING
 ER-43

TYPICAL EMERGENCY RUDDER BLADE
 FOR BOATS UP TO 43' LONG

ANTRIM ASSOCIATES, NAVAL ARCHITECTS
 4018 ARCHERY WAY, EL SOBRANTE, CA. 94803 (510) 223-9680
 SCALE: (1:12) 1" = 1' FEB 20, 2004 JKA

FOR SMALLER BOATS, DIMENSIONS CAN BE SCALED BY BOAT LENGTH
 DRAFT OF EMERGENCY RUDDER SHOULD BE HALF DRAFT OF PRIMARY RUDDER OR MORE



COVER FOAM WITH ONE "KNYTEX PRO-MAT" CDM-1808
 ADD FOUR LAYERS CARBON UNI GA-090 AS SHOWN
 COVER WITH ONE MORE CDM-1808 PLUS EXTRA PATCH

FOAM IS LASTA-FOAM 7110 OR EQUIVALENT
 USE EPOXY RESIN
 THIS LAYUP ONLY VALID FOR 20% THICK FOIL, NACA 0020
 ROUGH OUTSIDE SURFACE IS OK
 TAPE LEADING AND TRAILING EDGES FOR GOOD BOND

DRAWING
 ER-50

TYPICAL EMERGENCY RUDDER BLADE
 FOR BOATS UP TO 50' LONG

ANTRIM ASSOCIATES, NAVAL ARCHITECTS
 4018 ARCHERY WAY, EL SOBRANTE, CA. 94803 (510) 223-9680
 SCALE: (1:12) 1" = 1" FEB 20, 2004 JKA