

NOTE: PRICES & SPECS SUBJECT TO CHANGE WITHOUT NOTICE.

GLIDER SIZE ~ SPECIFY

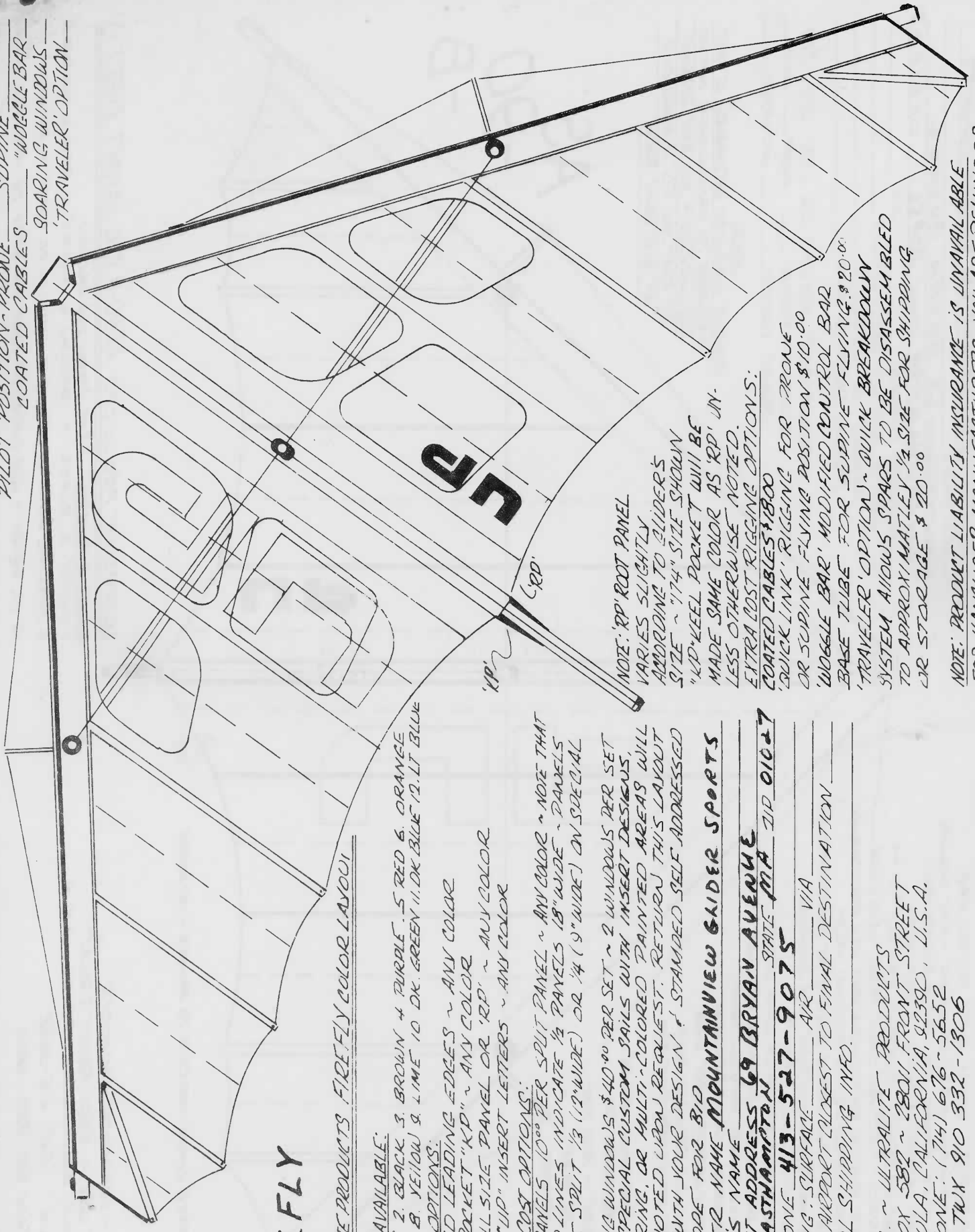
PILOT POSITION - PRONE

PILOT POSITION - PRONE

COATED CABLES

"WIGGLE BAR"

SOARING WINDOWS
'TRAVELER' OPTION



FIREFLY

ULTRALITE PRODUCTS FIREFLY COLOR LAYOUT

COLORS AVAILABLE:

- 1. WHITE 2. BLACK 3. BROWN 4. PURPLE 5. RED 6. ORANGE
- 7. GOLD 8. YELLOW 9. LIME 10. DK. GREEN 11. DK. BLUE 12. LT. BLUE

NO COST OPTIONS:

- APPLIED LEADING EDGES ~ ANY COLOR
- KEEL POCKET "KP" ~ ANY COLOR
- ANY FULL SIZE PANEL OR "RP" ~ ANY COLOR
- LARGE "LP" INSERT LETTERS ~ ANY COLOR

EXTRA COST OPTIONS:

- SPLIT PANELS 10° PER SPLIT PANEL ~ ANY COLOR ~ NOTE THAT DOTTED LINES INDICATE 1/2 PANELS 18" WIDE ~ PANELS CAN BE SPLIT 1/3 (12" WIDE) OR 1/4 (9" WIDE) ON SPECIAL ORDER

SOARING WINDOWS \$40.00 PER SET ~ 2 WINDOWS PER SET
 NOTE: SPECIAL CUSTOM SAILS WITH INSERT DESIGNS, LETTERING, OR MULTI-COLORED PAINTED AREAS WILL BE QUOTED UPON REQUEST. RETURN THIS LAYOUT SHEET WITH YOUR DESIGN & STAMPED SELF-ADDRESSED ENVELOPE FOR BID

DEALER NAME MOUNTAINVIEW GLIDER SPORTS

FLYER'S NAME _____

STREET ADDRESS 69 BRYAN AVENUE

CITY CASHAMPTON STATE MA ZIP 01027

TELEPHONE 413-527-9075

SHIPPING: SURFACE _____ AIR _____ VIA _____

MAJOR AIRPORT CLOSEST TO FINAL DESTINATION _____

SPECIAL SHIPPING INFO: _____

ULTRALITE PRODUCTS
 P.O. BOX 582 ~ 2801 FRONT STREET
 TEMECULA, CALIFORNIA 92390, U.S.A.
 TELEPHONE: (714) 676-5652
 TELEX: TWX 910 332-1306

NOTE: 'RP' ROOT PANEL VARIES SLIGHTLY ACCORDING TO GLIDER'S SIZE ~ "174" SIZE SHOWN

"KP" KEEL POCKET WILL BE MADE SAME COLOR AS 'RP' UNLESS OTHERWISE NOTED.

EXTRA COST RIGGING OPTIONS:

COATED CABLES \$18.00

'QUICK LINK' RIGGING FOR PRONE OR SUPINE FLYING POSITION \$10.00

'WIGGLE BAR' MODIFIED CONTROL BAR BASE TUBE FOR SUPINE FLYING \$20.00

'TRAVELER' OPTION ~ QUICK BREAKDOWN SYSTEM ALLOWS SPARS TO BE DISASSEMBLED TO APPROXIMATELY 1/2 SIZE FOR SHIPPING OR STORAGE \$20.00

NOTE: PRODUCT LIABILITY INSURANCE IS UNAVAILABLE FOR HANGLIDER MANUFACTURERS. YOU ARE REMINDED THAT YOU FLY A HANGLIDER AT YOUR OWN RISK.

DEALER NAME Mountainview Glider Sports

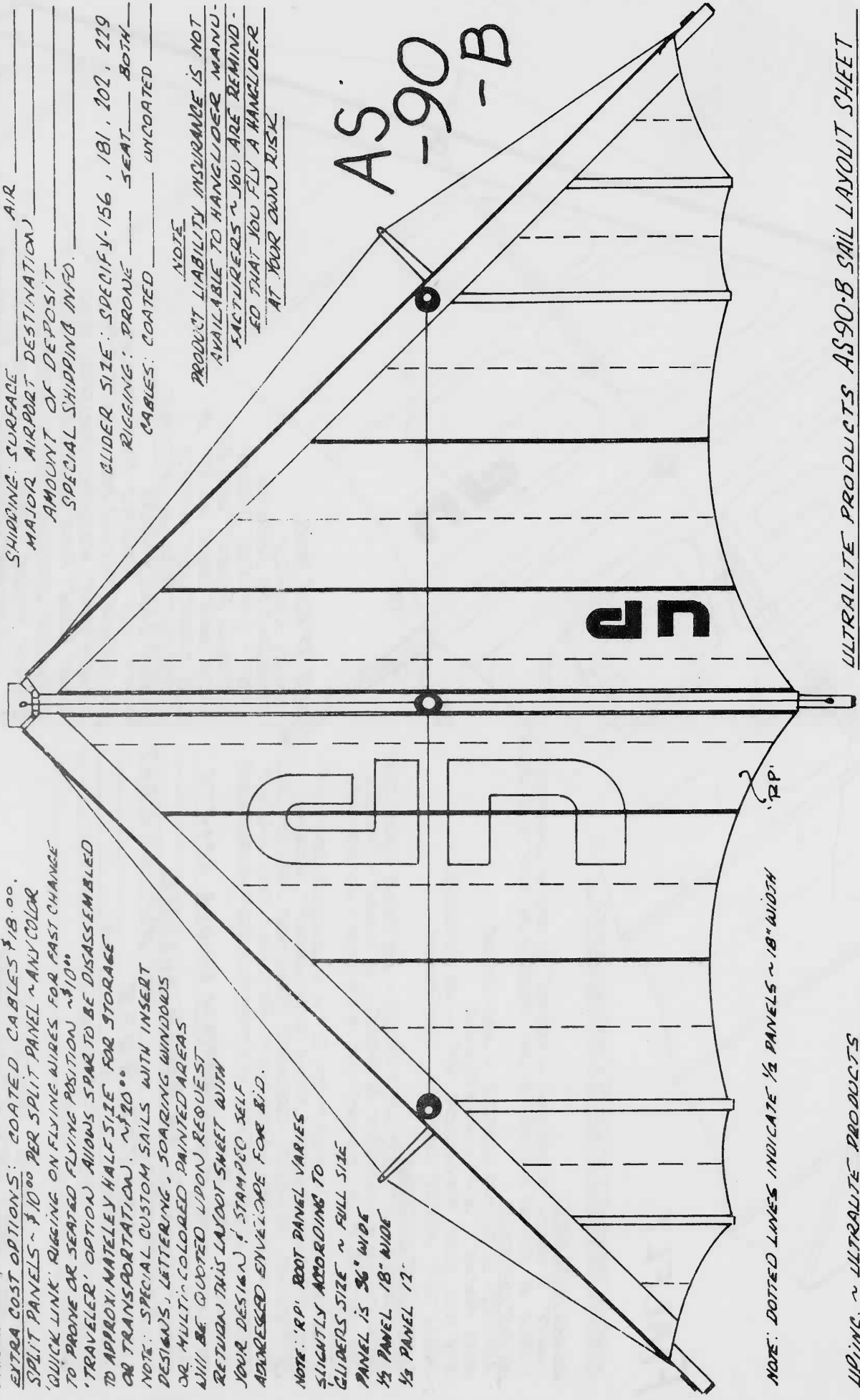
FLYER'S NAME _____
 STREET ADDRESS **69 BRYAN AVENUE** ZIP **01027**
 CITY **EASTHAMPTON STATE MASS**

SHIPPING: SURFACE _____ AIR _____
 MAJOR AIRPORT DESTINATION _____
 AMOUNT OF DEPOSIT _____
 SPECIAL SHIPPING INFO: _____

GLIDER SIZE: SPECIFY-156, 181, 202, 229
 RIGGING: PRONE _____ SEAT _____ BOTH _____
 CABLES: COATED _____ UNCOATED _____

NOTE
 PRODUCT LIABILITY INSURANCE IS NOT
 AVAILABLE TO HANGGLIDER MANU-
 FACTURERS ~ YOU ARE REMIND-
 ED THAT YOU FLY A HANGGLIDER
 AT YOUR OWN RISK

**AS-90
 -B**



NO COST OPTIONS: HEAVY DUTY TRAVEL BAG.
 APPLIED LEADING EDGE SLEEVE ~ ANY COLOR.
 ANY FULL SIZE PANEL OR 'RP' ~ ANY COLOR.
 LARGE 'UP' INSERT LETTERS ~ ANY COLOR.
EXTRA COST OPTIONS: COATED CABLES \$18.00.
 SPLIT PANELS ~ \$10.00 PER SPLIT PANEL ~ ANY COLOR
 'QUICK LINK' RIGGING ON FLYING WIRES FOR FAST CHANGE
 TO PRONE OR SEATED FLYING POSITION ~ \$10.00
 'TRAVELER' OPTION ALLOWS SPAR TO BE DISASSEMBLED
 OR TRANSPORTATION. ~ \$20.00
NOTE: SPECIAL CUSTOM SAILS WITH INSERT
 DESIGNS, LETTERING, JOINING WINDOWS
 OR MULTI-COLORED PAINTED AREAS
 WILL BE QUOTED UPON REQUEST
 RETURN THIS LAYOUT SHEET WITH
 YOUR DESIGN & STAMPED SELF
 ADDRESSED ENVELOPE FOR B.I.D.

NOTE: 'RP' ROOT PANEL VARIES
 SLIGHTLY ACCORDING TO
 GLIDERS SIZE ~ FULL SIZE
 PANEL IS 36" WIDE
 1/2 PANEL 18" WIDE
 1/3 PANEL 12"

NOTE: DOTTED LINES INDICATE 1/2 PANELS ~ 18" WIDTH

ULP, INC. ~ ULTRALITE PRODUCTS
 P.O. BOX 582 ~ 28011 FRONT STREET
 TEMECULA, CALIFORNIA, 92590, U.S.A.
 TELEPHONE: (714) 676-5652
 TELEX: TWX 910 992-1306

ULTRALITE PRODUCTS AS90-B SAIL LAYOUT SHEET
COLORS AVAILABLE: 38 OZ. STABILIZED DACRON
 1. WHITE 2. BLACK 3. BROWN 4. PURPLE 5. RED 6. ORANGE
 7. SPECIAL GOLD 8. YELLOW 9. LIME 10. DK. GREEN 11. DK. BLUE
 12. DK. GREEN ~ USE COLORED FELT TID PENS TO INDICATE DESIGN



PRICE: #156, #181, #202 \$750
 #229 \$775

DELIVERY: 2 1/2 WEEKS

DEPOSIT: 50%

AS-90-B SERIES GENERAL DISCRPTION

THE INTRODUCTION OF THE AS-90 IS THE RESULT OF TWO YEARS DEVELOPMENT IN SAIL DESIGN WITH THE WORLD'S MOST ADVANCED GLIDER, THE UP DRAGONFLY. THE USE OF FOAM CORE SANDWICH CONSTRUCTION TAPERED BATTENS, INTRODUCED BY UP IN THE MK II DRAGONFLY, ENABLED THE UP DESIGN TEAM TO APPLY THE INNOVATIVE TECHNIQUE TO A NEW BREED OF "STANDARD" GLIDERS. THIS NEW UP "ADVANCED STANDARD" SERIES WAS DESIGNED WITH TWO MAIN OBJECTIVES. FIRST AN IMPROVED GLIDE RATIO AND MINIMUM SINK RATIO AS COMPARED TO OLDER "STANDARD" DESIGNS AND SECOND, GREATER SAFETY AND QUICKER DIVE RECOVERY POSSIBLE ONLY WITH THE NEW BATTENED, ROACHED TIP SAIL DESIGN FEATURED IN THE AS-90.

WITH THE RECENT STANDARDIZATION OF HANGLIDING RULES FOR INTERNATIONAL COMPETITION BY THE F.A.I. A VERY UNIQUE OPPORTUNITY TO BUILD TO THE LIMIT OF THE RULES WAS PRESENTED. THE RESULTANT AS-90 SERIES DESIGN IS THE MOST COMPETITIVE SHIP OF IT'S TYPE IN THE AIR TODAY. AN IDEAL DESIGN FOR A BEGINNER AND AN EXCELLENT MACHINE FOR THE PROFESSIONAL COMPETITOR IN "STANDARD CLASS". SPECIAL FEATURES LIKE APPLIED LEADING EDGES GIVE PERFECT AIRFOIL SHAPE TO THE LEADING EDGE AND A DEFINITE EDGE ON THE COMPETITION! THE AS-90 IS A SOLID FEELING SHIP IN THE AIR, AND MOST IMPORTANT, VERY EASY TO TAKE OFF AND LAND.

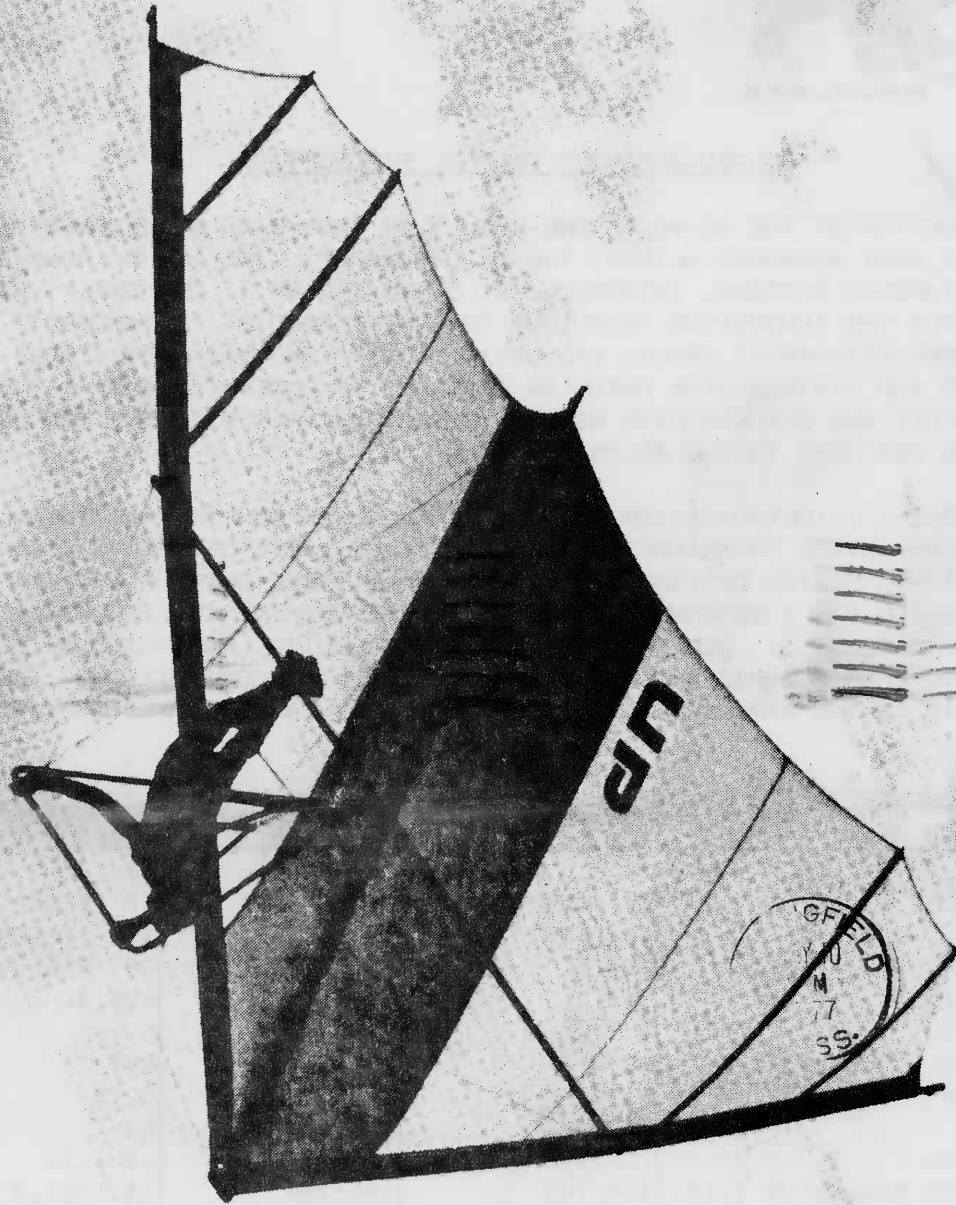
AS-90-B SPECIFICATIONS

MODEL NUMBER AS90	#156	#181	#202	#229
LEADING EDGE	16' 6-1/4"	17' 9"	18' 9-1/2"	20' 1/4"
KEEL	14' 1/2"	15' 1"	15' 11-1/2"	17' 1/4"
WING SPAN	23' 2"	24' 10-1/2"	26' 4"	28' 1"
AREA (FT 2)	156.3	180.5	202.3	229.6
ASPECT RATIO	3.43	3.43	3.43	3.43
NOSE ANGLE	89°	89°	89°	89°
SAIL BILLOW	3.15	3.15	3.15	3.15
WEIGHT	37	39	41	47
WING LOADING	.9-1.15	.9-1.15	.9-1.15	.9-1.15
PILOT WEIGHT RANGE (.9-1.15)	104-143	124-169	141-191.3	160-216
SET UP TIME	4-7 MIN.	4-7 MIN.	4-7 MIN.	4-7 MIN.
STALL SPEED*	15 MPH.	15 MPH.	15 MPH.	15 MPH.
MAX SPEED	35 TO 40	35 TO 40	35 TO 40	35 TO 40
BEST L/D	5.7:1 +	5.7:1 +	5.7:1 +	5.7:1 +
BEST MIN. SINK	290 FPM	290 FPM	290 FPM	290 FPM
SPECIAL FEATURES	APPLIED LEADING EDGES, ADJUSTABLE C.G. MOUNTING BRACKET, FOAM CORE, TAPERED BATTENS, DEFLEXOR SYSTEM			

*STALL: THE AS-90 STALLS VERY GENTLY AT A VERY HIGH ANGLE OF ATTACK; IT MAINTAINS EXCELLENT LATERAL CONTROL EVEN WHEN STALLED. THIS FEATURE PERMITS HIGHLY CONTROLLED PARACHUTING DECENTS FOR SPOT LANDING CONTESTS.

UP IS WHERE IT'S AT!

ULTRALITE PRODUCTS, 28011 FRONT STREET, RANCHO CALIFORNIA, CA 92390 U.S.A. • P.O. BOX 582 • (714) 676-5652 • TWX 910-332-1306



MARK DROY
17 MT SUGARLOAF APTS
SUNDERLAND, MA 01375