

4

3

2

1

NOTICE
 THIS DRAWING CONTAINS A PROPRIETARY DESIGN ASSIGNED TO SPIRA INTERNATIONAL, INC. ALL RIGHTS TO DUPLICATE, TRANSFER OR SELL THIS DESIGN ARE EXPRESSLY RESERVED. THE BUYER IS LICENSED TO BUILD ONE ASSEMBLY FROM THESE PLANS.

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

D

D

C

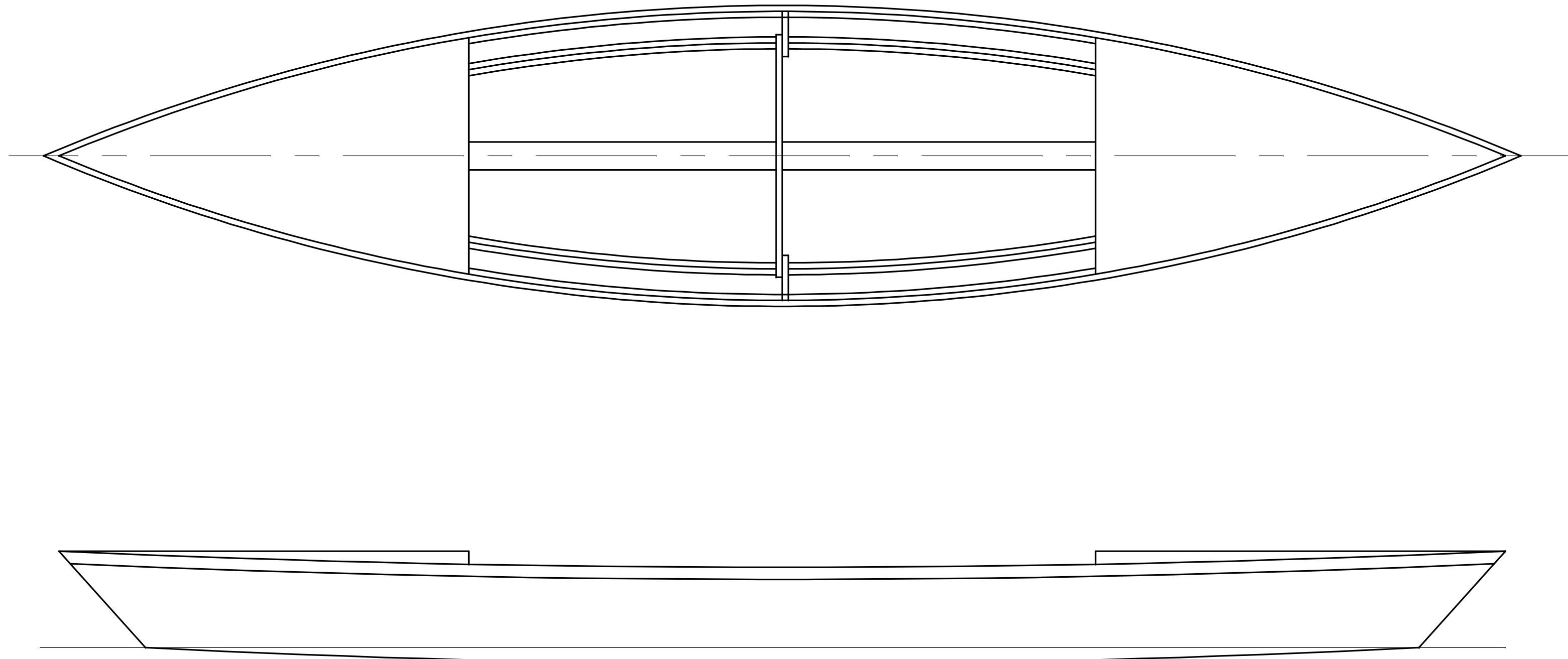
C

B

B

A

A



SPECIFICATIONS	
LENGTH OVERALL	4.6M
MAXIMUM BEAM	0.9M
HEIGHT	0.35M
WEIGHT	32 KG

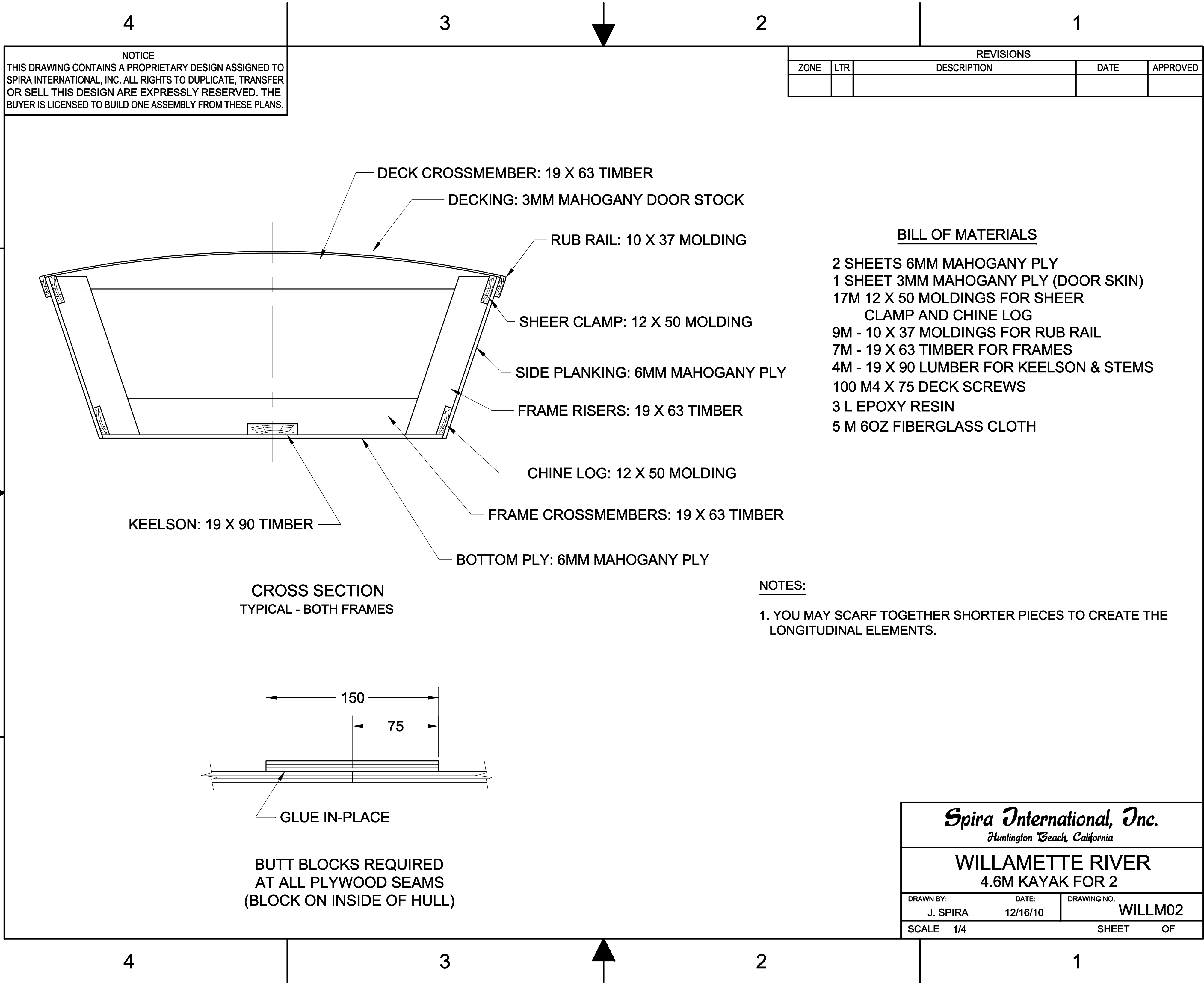
Spira International, Inc. <i>Huntington Beach, California</i>		
WILLAMETTE RIVER 4.6M KAYAK FOR 2		
DRAWN BY: J. SPIRA	DATE: 12/17/10	DRAWING NO. WILLM01
SCALE 1 / 12		SHEET OF

4

3

2

1



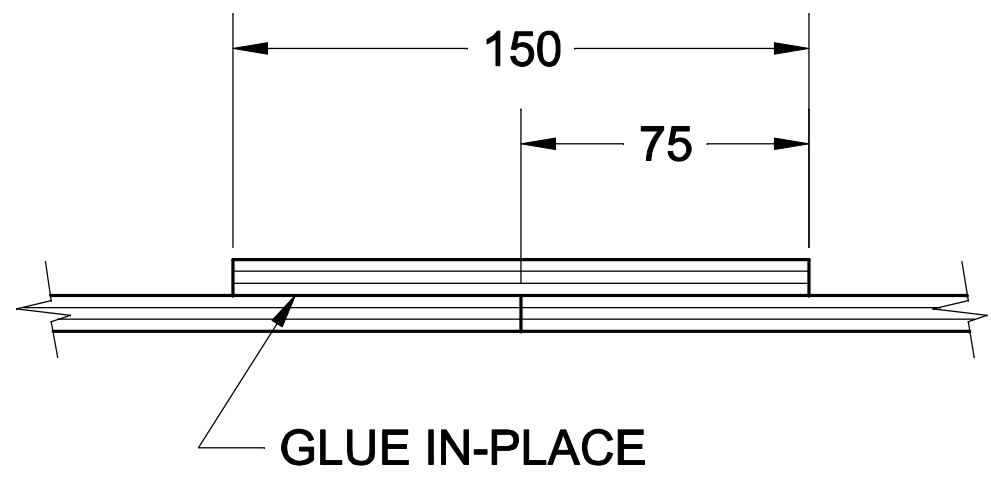
NOTICE
 THIS DRAWING CONTAINS A PROPRIETARY DESIGN ASSIGNED TO SPIRA INTERNATIONAL, INC. ALL RIGHTS TO DUPLICATE, TRANSFER OR SELL THIS DESIGN ARE EXPRESSLY RESERVED. THE BUYER IS LICENSED TO BUILD ONE ASSEMBLY FROM THESE PLANS.

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED

- BILL OF MATERIALS**
- 2 SHEETS 6MM MAHOGANY PLY
 - 1 SHEET 3MM MAHOGANY PLY (DOOR SKIN)
 - 17M 12 X 50 MOLDINGS FOR SHEER CLAMP AND CHINE LOG
 - 9M - 10 X 37 MOLDINGS FOR RUB RAIL
 - 7M - 19 X 63 TIMBER FOR FRAMES
 - 4M - 19 X 90 LUMBER FOR KEELSON & STEMS
 - 100 M4 X 75 DECK SCREWS
 - 3 L EPOXY RESIN
 - 5 M 6OZ FIBERGLASS CLOTH

NOTES:
 1. YOU MAY SCARF TOGETHER SHORTER PIECES TO CREATE THE LONGITUDINAL ELEMENTS.

CROSS SECTION
 TYPICAL - BOTH FRAMES



BUTT BLOCKS REQUIRED AT ALL PLYWOOD SEAMS (BLOCK ON INSIDE OF HULL)

Spira International, Inc.
Huntington Beach, California

WILLAMETTE RIVER
 4.6M KAYAK FOR 2

DRAWN BY: J. SPIRA	DATE: 12/16/10	DRAWING NO. WILLM02
SCALE 1/4	SHEET OF	