### ASIC WOOD DOCK HARDWARE

TYPIC

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ALL OF THIS HARDWARE IS OUR MEDIUM WOOD DOCK HARDWARE. WE ALSO OFFER LIGHT WEIGHT (OR HOMEOWNERS) HARDWARE AND HEAVY DUTY WOOD DOCK HARDWARE. THIS IS NOT A COMPLETE LIST OF ALL TYPES OF HARDWARE. PLEASE REFER TO OUR CATALOG OR WEBSITE WWW.MERCOMARINE.COM FOR MORE INFORMATION.



OUTSIDE CORNERS ARE USED AT THE ENDS OF FINGERS OR DOCKS AND WORK WELL ON CORNERS OF SWIM FLOATS. THIS PIECE OF HARDWARE IS USED WITH AN INSIDE CORNER TO PRODUCE A VERY STRONG CORNER.

INSIDE CORNERS SANDWICH WOOD BETWEEN AN OUTSIDE CORNER (H-OCF, H-OCM, H-OCE) THIS PRODUCES AN EXTREMELY STRONG CORNER. IT CAN BE USED WITH WOOD BETWEEN 1-1/2" TO 3-1/2" BECAUSE OF ITS SLOTS.

ANGLES ARE USED IN CONJUNTION WITH WASHER PLATES, AND SOMETIMES EVEN BACKUP PLATES. WE USE ANGLES TO CONNECT STRINGERS AND SUPPORTS INSIDE A DOCK.

CLEAT ANGLES ARE USED AS AN ANCHOR FOR A CLEAT. THEY MOUNT TO THE INSIDE OF THE FRAME ON A DOCK WITH THE SLOTS FACING UP. THIS ALLOWS YOU TO DRILL THROUGH THE WOOD DECKING AND BOLT A CLEAT TO THE CLEAT ANGLE. THE SLOTS WILL ACCOMODATE VARIOUS SIZES OF CLEATS.

BACKUP PLATES ARE MAINLY USED BEHIND SINGLE "T" MALE OR FEMALE HARDWARE TO ADD ADDITIONAL STRENGTH. IF BACKUP PLATES AND WASHER PLATES AREN'T USED, A DOCK HAS LESS STRENGTH.

WASHER PLATES HAVE THE SAME PURPOSE AS A BACKUP PLATE BUT ARE USED WITH DIFFERENT TYPES OF HARDWARE. USE BACKUP PLATES (H-B) WHEREVER POSSIBLE BUT IF YOU CAN'T USE ONE TRY A WASHER PLATE. WASHER PLATES ARE MAINLY USED WITH CLEAT ANGLES (H-CA), AND ANGLES (H-A).

THE OUTSIDE CORNER MALE IS USED WITH OUTSIDE CORNER FEMALES (H-OCF) OR SINGLE "T" FEMALES (H-SF). IT IS ONLY USED ON DOCK CORNERS. IT HAS ONE 1/2" TAB WITH A HOLE FOR A 3/4" BOLT.

NOW THAT YOU HAVE SEEN HOW DIFFERENT S DETAILS SHOW YOU HOW EVERYTHING IS PUT TOGE

FC-4812

H-OCF

H-W

FC-2412

H-OCE

TYPICAL

DOCK

TYPICAL

DOCK

THIS IS A TYPICAL 4X20 WOOD DOCK FRAME

THE OUTSIDE CORNER FEMALE IS USED WITH OUTSIDE CORNER MALES (H-OCM) OR SINGLE "T" MALES (H-SM). IT IS ONLY USED ON DOCK CORNERS. IT HAS TWO 1/2" TABS WITH HOLES FOR A 3/4" BOLT.

THE SINGLE "T" MALE BOLTS TO THE SIDE OF A DOCK WHERE A FINGER OR RAMP MAY ATTACH OR WHERE AN OUTSIDE CORNER MALE OR FEMALE CAN'T BE USED. IT HAS ONE 1/2" TAB WITH A HOLE FOR A 3/4" PIN AND IS USED WITH A SINGLE "T" FEMALE (H-SF) TO CONNECT DOCKS TOGETHER.

THE SINGLE "T" FEMALE BOLTS TO THE SIDE OF A DOCK WHERE A FINGER OR RAMP MAY ATTACH OR WHERE AN OUTSIDE CORNER MALE OR FEMALE CAN'T BE USED. IT HAS TWO 1/2" TABS WITH A HOLE FOR A 3/4" PIN AND IS USED WITH A SINGLE "T" MALE (H-SM) TO CONNECT DOCKS TOGETHER

THIS IS A 4' WIDE SECTION WITH A TAPERED END MADE TO SIT ON SHORE

WOOD DOCK FRAME WITH THE EXCEPTION OF THE TAPERED END TO SIT ON SHORE

ENDS OF TAPERED SECTIONS ARE TYPICALLY 6" WIDE INSTEAD OF 8". YOU TO ALLOW AT LEAST 5" FOR HARDWARE

THIS IS A TYPICAL 4X20 WOOD DOCK FRAME

THE PIPE TYPE FINGER STABILIZER DOES THE SAME JOB AS USING H-135 HARDWARE BUT WITH NO ANGLES AND LESS STEPS. ALSO, YOU CAN SIMPLY MOUNT THIS TO THE SIDE OF A DOCK. THERE IS NO NEED TO ADD ANY LUMBER ANYWHERE. THE 135 DEGREE HARDWARE IS USED FOR FINGER STABILIZERS. USE THIS HARDWARE WITH BACKUP PLATES (H-B) TO PRODUCE A VERY STRONG FINGER STABILIZER MADE OUT OF WOOD. YOU CAN APPLY DECKING ON TOP OF IT FOR MORE DECK SPACE OR SIMPLY LEAVE IT OPEN.

OUR FLOATS ARE THE FINEST FLOATS AVAILABLE THERE ARE 38 DIFFERENT SIZES RANGING FROM 20"x72" THE WAY UP TO 48"x96"x32". ALL FLOATS HAVE A NOMIN WALL THICKNESS AND ARE ROTATIONAL MOLDED FRO VIRGIN FOOD GRADE MATERIALS WITH UV INHIBITORS FLOATS FEATURE A FLAT TOP CONFIGURATION AND OF HEAVY DUTY MOUNTING FLANGES THAT ARE MOLDED THE SHELL. THE FLOATS ARE COMPLETELY FOAM FILLE A 1 TO 1.5 DENSITY EPS. ALL FLOATS MEET CORPS OF ENGINEERS REGULATION #36 CFR PART 327, THE ABSOR TEST OF LESS THAN 3 LBS/CF AND THE FALLING DART 7 FOR MORE DETAILS CALL ONE OF OUR KNOWLEDGEAB SALES STAFF.

MINAL .150

REFER TO THE TABLE BELOW FOR A COMPLETE LIST OF OUR FLOATS. BE SURE TO NOTE THE FLOAT DEPTH AND POUNDS OF FLOTATION. IF THE UPS COLUMN HAS A "X", THE PRODUCT CAN BE SHIPPED UPS

E TODAY.
2"x08" ALJ

RT TEST.

ORPTION

LED USING

FLOAT

THIS PIN IS WHAT HOLDS EVERYTHING TOGETHER. WHETHER IT BE CONNECTING A PIPE TYPE FINGER STABILIZER (H-FSP) WITH A SINGLE "T" FEMALE (H-SF) OR AN OUTSIDE CORNER MALE (H-OCM) WITH AN OUTSIDE CORNER FEMALE (H-OCF), THIS PIN DOES IT ALL.

A MERCO FLOAT IS CLASSIFIED BY THREE BASIC MEASURMENTS. LOOK AT THE PICTURE BELOW. THE ON THE LEFT IS AN FC-4812, IT IS 4' WIDE 8' LONG ANI DEEP AND ONE OF OUR BIGGER FLOATS. THE FLOAT THE RIGHT IS AN FC-2412, IT IS 2' WIDE 4' LONG AND 1 DEEP AND ONE OF OUR SMALLER FLOATS.

THIS 12" HOOP PILE HOLDER MADE OF 1-1/2"
ID PIPE MOUNTS TO THE SIDE OF A DOCK. IT IS
USED TO HOLD A DOCK IN PLACE BY RETAINING A
ROUND PILE. WE ALSO MANUFACTURE PILE
GUIDES FOR 8", 10", 14", 16", AND 18" PILES. (HP-H8R HP-H18R) THE ASSEMBLY IS THREE BASIC PIECES, A
DOCK BRACKET, HOOP, AND ROLLER ASSEMBLY.
THIS ALLOWS YOU TO HAVE A HOOP PILE HOLDER
ANY WAY YOU WANT IT. WE ALSO OFFER MANY
OTHER KINDS OF PILE GUIDES INCLUDING A

#### 3X20 WOOD DOCK FRAME TYPIC AL 4X20 WOOD DOCK FRAME

TYPIC

6X20

WOOL

DOCK

FRAME

MATERIALS

**ISII** 

TYPCAL-U-DOCK

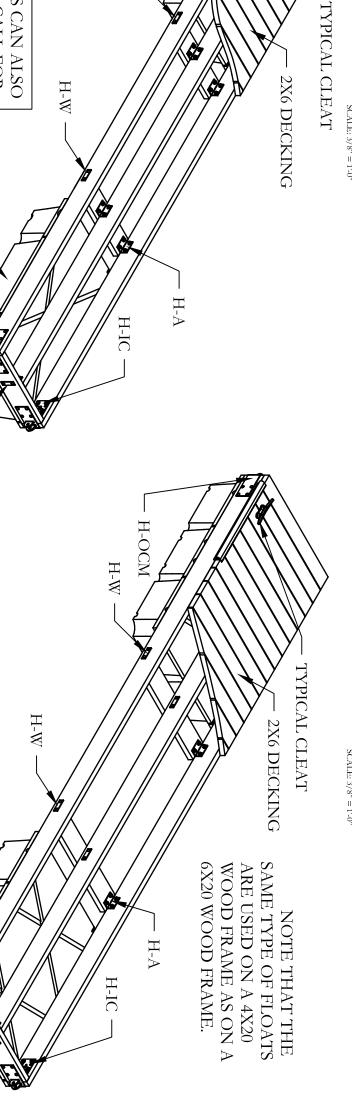
TYPICAL-T-DOCK

TYPICAL-L-DOCK

CE (OUTSIDE CORNER END)
C (INSIDE CORNER)
(ANGLE)

A ( CLEAT ANGLE)
(BACKPLATE)
(WASHER PLATE)
CM (OUTSIDE CORNER MALE)
CF (OUTSIDE CORNER FEMALE)

TYPICAL HARDWARE NEEDED



## **IYPICAL** 20

# UPS ABLE FLOATS CAN ALSO BE SUBSTITUTED CALL FOR MORE INFORMATION

WOOD

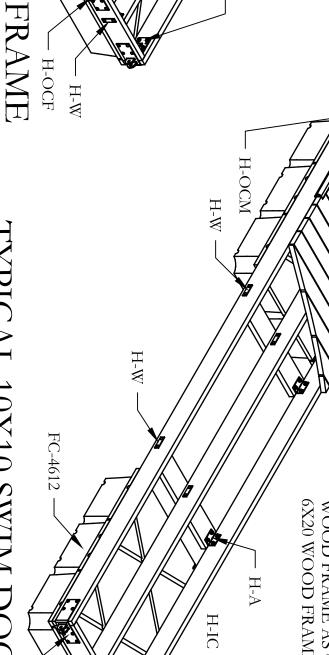
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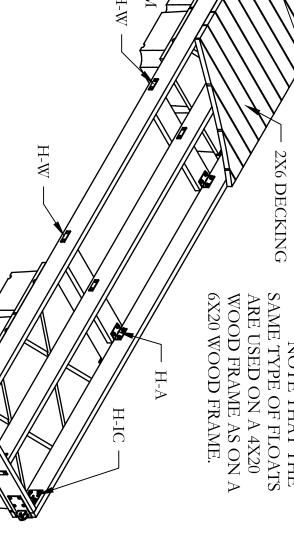
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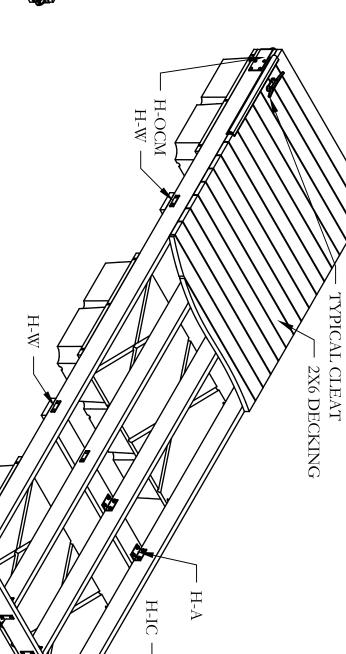
10X10 SWIM

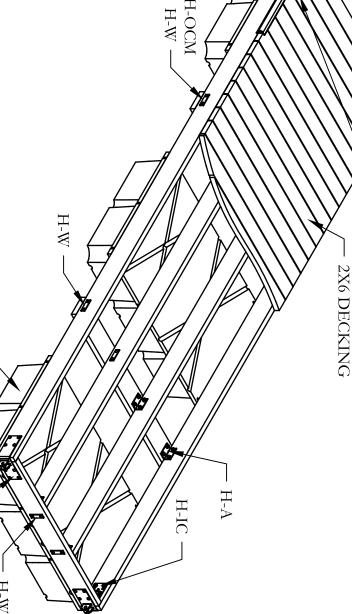
H-OCE

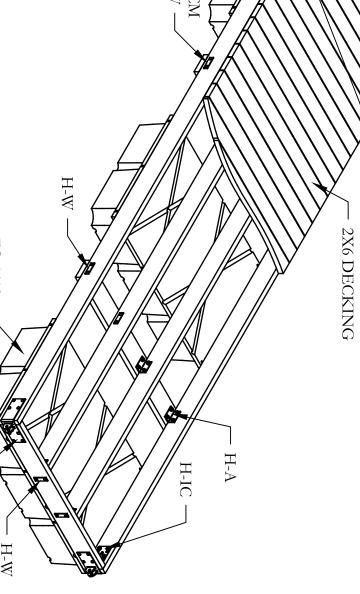
2X6 DECKING

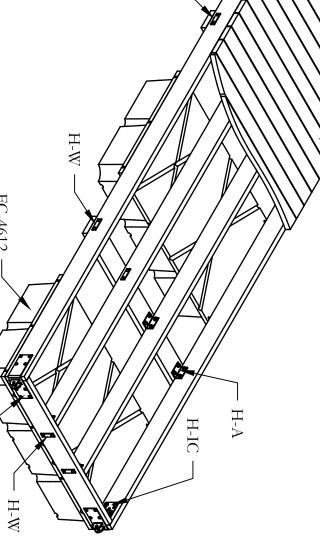








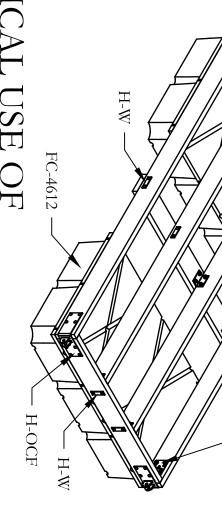




FOR EXACT AMOUNTS OF HARDWARE FOR YOUR PARTICULAR DESIGN CALL ONE OF OUR SALES REPRESENTATIVES AT 1-800-39-MERCO.

OTHER PRODUCTS



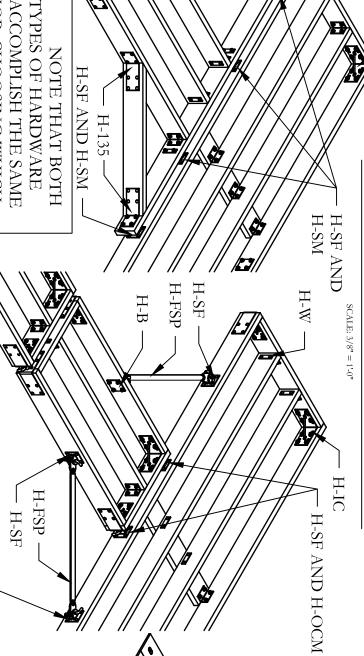


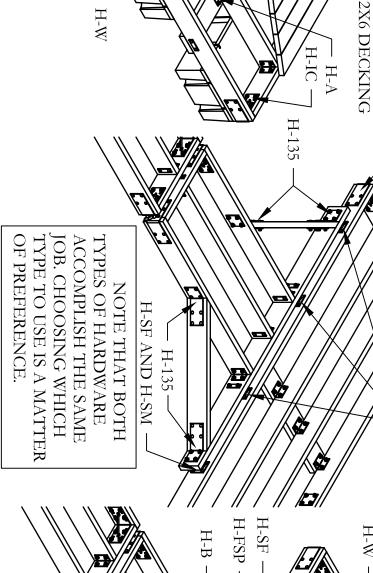
### **FYPICAL** USE

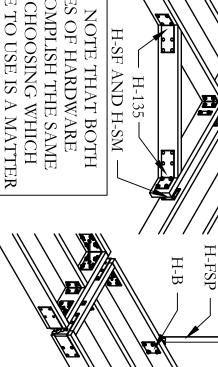


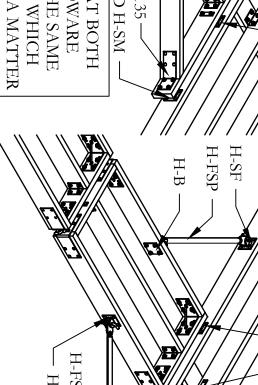
HOT-DIPPED GALVANIZED. WE ALSO OFFER MANY DIFFERENT TYPES OF CLEATS: NYLON CLEATS, ALUMINUM CLEATS, ALUMINUM S CLEATS, AND BLACK FOLD DOWN CLEATS JUST TO NAME A FEW.

MERCO'S STEEL CLEATS ARE MADE FROM MALLEABLE IRON THEN





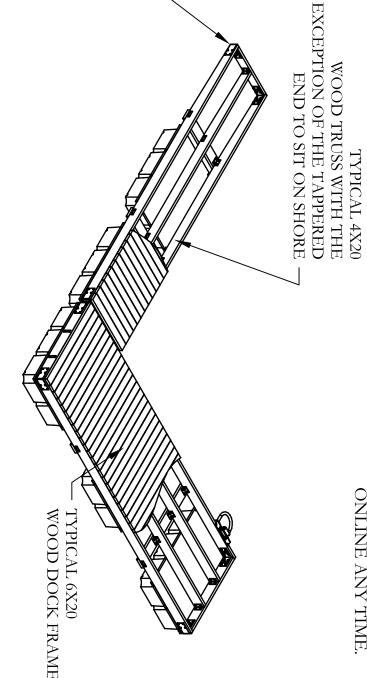


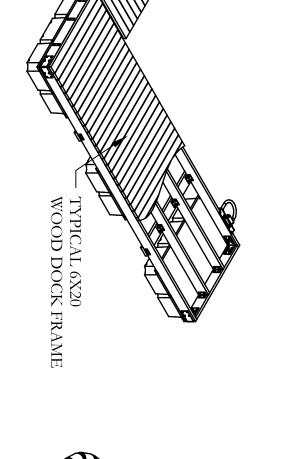


SIZES OF DOCK ARE ASSEMBLED AND SEEN SOME OF THE BASIC HARDWARE THAT IS USED ON A DOCK, YOU CAN BEGIN TO CREATE YOU ETHER. YOU CAN USE THESE TYPICAL DESIGNS WITH ANY LENGTH OR WIDTH OF DOCK OR YOU DECIDE WHAT YOU WANT AND WHAT WO TYPICAL OCK

GOTO **WWW.MERCOMARINE**.COM FOR A COMPLETE LIST OF PRODUCTS AND PRICING. YOU CAN ORDER ONLINE ANY TIME.

TYPICAL 6X20 WOOD DOCK FRAME





R OWN DESIGN. THESE NEXT THREE ORKS BEST FOR YOUR SITUATION. H-SF MERCO'S BAR HOOPS WITH ROLLERS ARE MADE FROM SOLID 1" ROUND AND DON'T WEAR THRU LIKE SOME PIPE PILE HOLDERS. SIZES 6", 8", 11", 12", AND 14" ARE AVAILABLE. EACH SIZE CAN HAVE NO EXTENSION, A 4" EXTENSION BELOW THE ROLLER, OR A 10" EXTENSION BELOW WITH 1/2" CARRIAGE BOLTS. THE PICTURE ON TOP SHOWS A BAR HOOP WITH NO EXTENSION, THE ONE UNDER SHOWS A 4" EXTENSION. A 10" EXTENSION IS NOT SHOWN. THE INTERNAL PILE
HOLDERS ARE MADE FROM 3" x 3"
x 1/4" ANGLE AND HAVE FOUR 6"
ROLLERS INCLUDED. IT IS
HOT-DIPPED GALVANIZED AFTER
FABRICATION. THIS PRODUCT
CAN BE MADE WITH ONE SIDE
REMOVEABLE SO THAT IT CAN BE
EASILY INSTALLED AFTER A PILE
IS DRIVEN. OUR BAR PILE HOLDERS ARE MADE FROM SOLID 1" ROUND.
THEY ARE HOT-DIPPED
GALVANIZED AND BOLT DOWN
WITH 1/2" CARRIAGE BOLTS.
COMES IN 5", 6", 8", OR 10".

THESE CHAIN PILE GUIDES
COME WITH THE SAME DECK
PLATE THAT IS USED WITH OUR
HOOP PILE HOLDERS, PLUS A
CHAIN, CLEVIS, AND PIPE ROLLERS
THAT GO OVER THE CHAIN. IT IS
HOT-DIPPED GALVANIZED. YOU
CAN ALSO USE THIS WITH A EXTENSION IS NOT SHOWN

ROLLER ASSEMBLY THAT BOLTS ON WITH THE HOLES ON TOP.

## RAMP HARDWARE

BUILD A RAMP USING OUR RAMP KIT. THIS HARDWARE CAN BE USED TO CREATE ANY LENGTH OR WIDTH OF RAMP THAT YOU REQUIRE. WIDER RAMPS CAN BE BUILT BY ADDING ADDITIONAL CENTER ROLLER SECTIONS. WE OFFER BOTH REGULAR 1/4" HARDWARE HARDWARE. BE SURE TO USE A CENTER ROLLER EVERY 2'. EXTRA HOLES IN THE CENTER HARDWARE ALLOWS USE OF AN ANGLE FOR THE ADJACENT STRINGER. ROLLERS ARE MADE WITH UHMW FOR LONG WEAR. USE 1/2" CARRIAGE BOLTS ON 1/4" HARDWARE AND 3/8" CARRIAGE BOLTS ON 3/16" HARDWARE. EVERYTHING BUT THE ROLLER SECTION SHOTOLERS AND SHOTOLERS AND SHOTOLERS ON SHOTOL

H-RAMP-L

H-RAMP-C

H-RAMP-R

PLAN KIT



1/21/2009 8:12 J. MERIWETHER DAN OTTO AS SHOWN

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N "X" UNDER UPS MEANS ABLE TO SHIP VIA UPS. JL OTHERS ONLY SHIP BY TRUCK. CALL FOR CURRENT

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60 MERCO ROAD
WELLSBURG, WV 26070
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