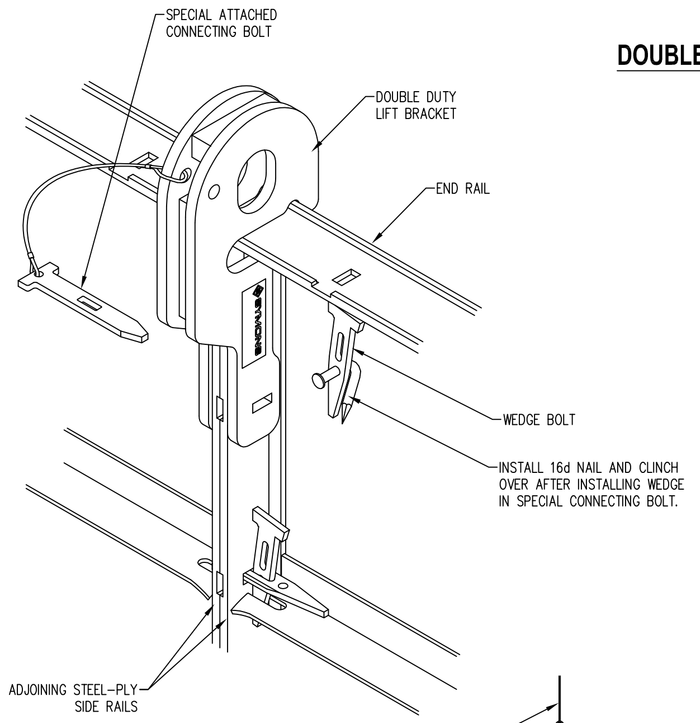
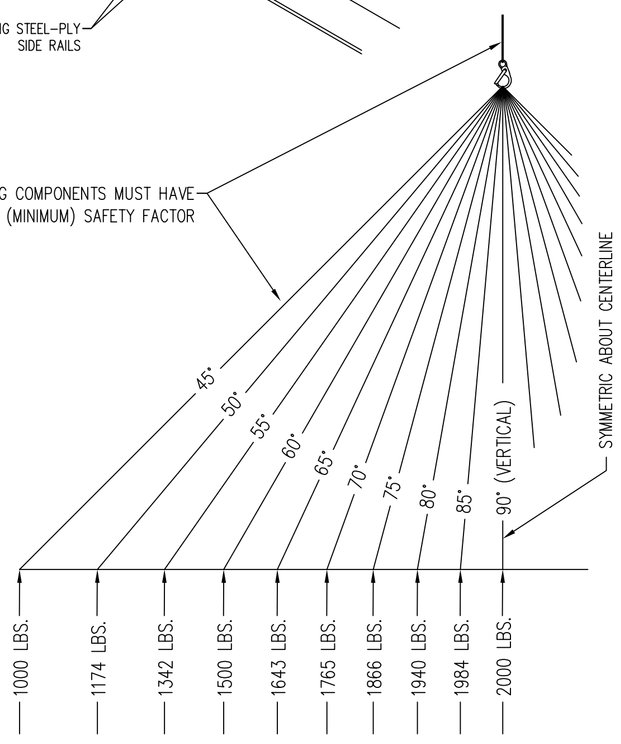
SYMONS BY DAYTON SUPERIOR — Steel-Ply Gang Form Safety Applications

ALL SYMONS COMPONENTS AND ACCESSORIES ARE DESIGNED WITH SAFETY AND PERFORMANCE IN MIND. THE APPLICATION NOTES ON THIS SHEET WILL HELP YOU ACHIEVE A SAFE AND PRODUCTIVE FORMING OPERATION. IT IS RECOMMENDED THAT ALL CONSTRUCTION PERSONNEL THOROUGHLY FAMILIARIZE THEMSELVES AND COMPLY WITH THE APPLICABLE INDUSTRY STANDARDS AND SAFE PRACTICES ESTABLISHED BY "THE AMERICAN CONCRETE INSTITUTE, AMERICAN NATIONAL STANDARDS INSTITUTE, THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, AND THE SCAFFOLDING AND SHORING INSTITUTE."

IMPORTANT:
ALL FORMING AND SHORING COMPONENTS MUST BE INSPECTED REGULARLY FOR DAMAGE OR EXCESSIVE WEAR. EQUIPMENT FOUND TO BE DAMAGED OR EXCESSIVELY WORN MUST BE REPLACED IMMEDIATELY.

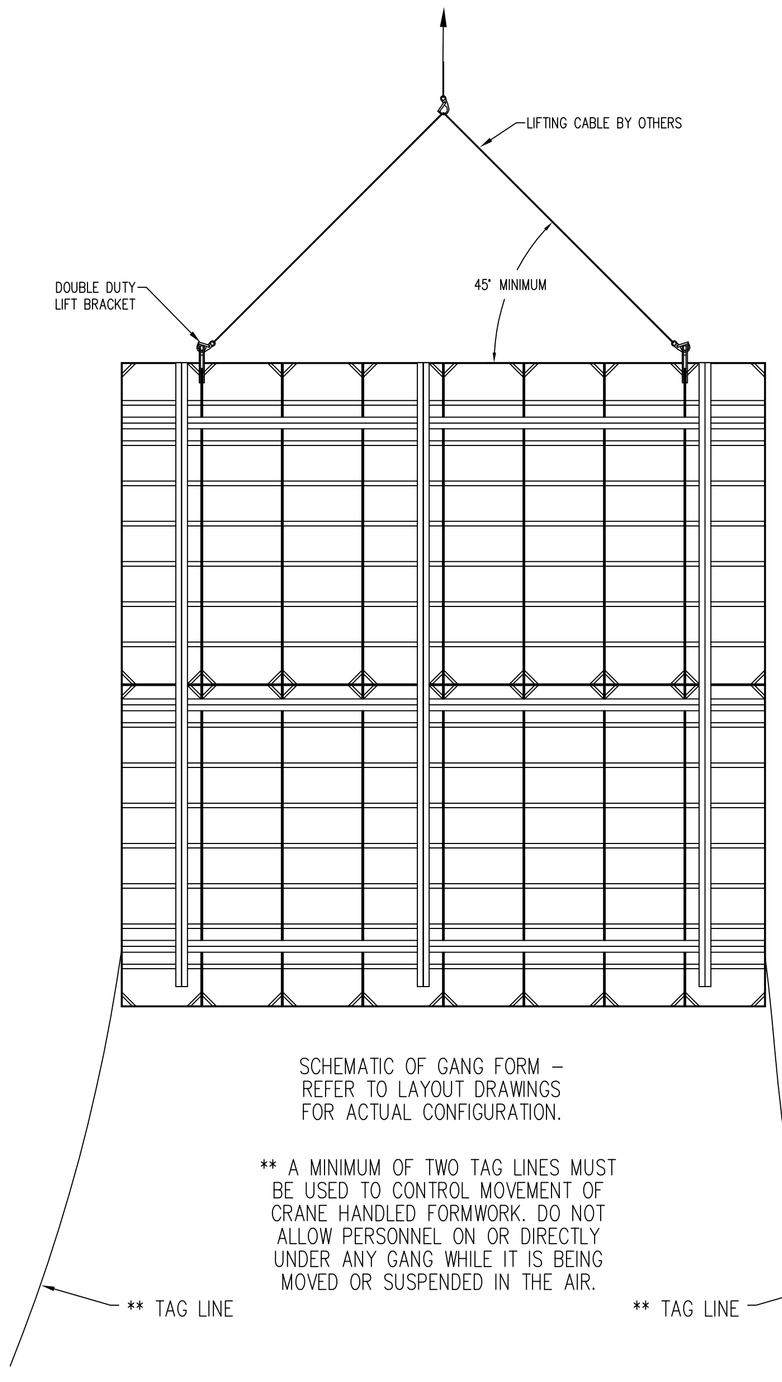
DOUBLE DUTY LIFT BRACKET





THE LIFT CAPACITY OF THE BRACKET IS DEPENDENT ON THE ANGLE OF THE LIFTING CABLE.

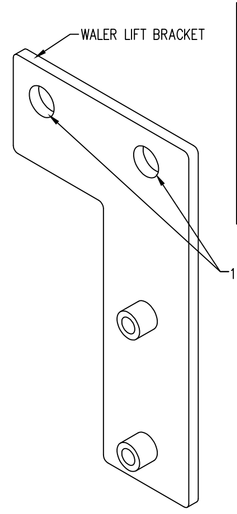
MAXIMUM ALLOWABLE LOAD = 2000 lbs. WHEN LIFTING CABLES ARE AT 45°



SCHEMATIC OF GANG FORM – REFER TO LAYOUT DRAWINGS FOR ACTUAL CONFIGURATION.

** A MINIMUM OF TWO TAG LINES MUST BE USED TO CONTROL MOVEMENT OF CRANE HANDLED FORMWORK. DO NOT ALLOW PERSONNEL ON OR DIRECTLY UNDER ANY GANG WHILE IT IS BEING MOVED OR SUSPENDED IN THE AIR.

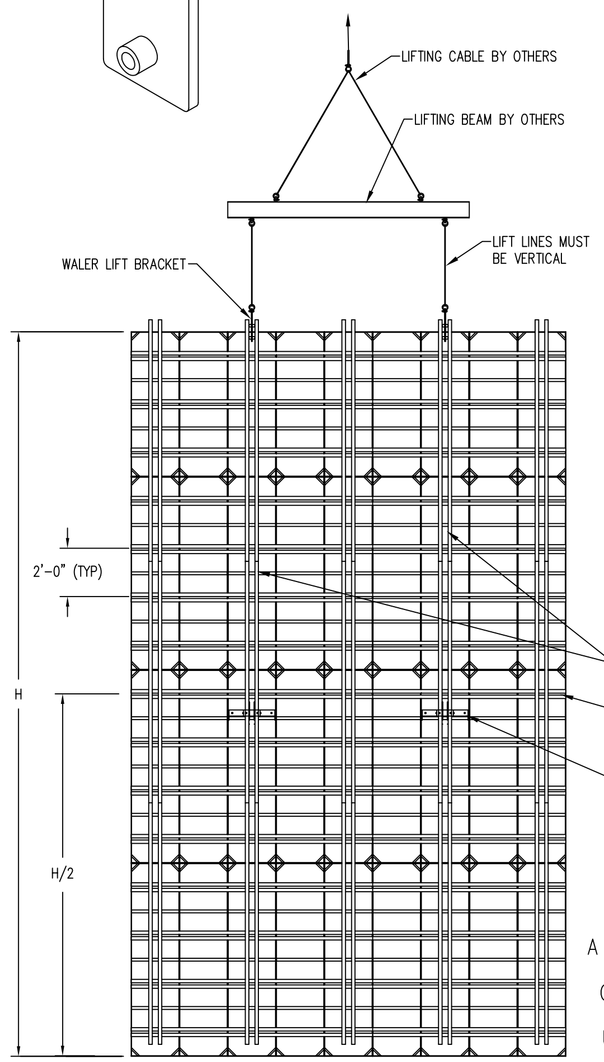
WALER LIFT BRACKET



CAUTION: ONLY VERTICAL LOAD CAN BE IMPOSED AT THE LIFT HOLE OF THE WALER LIFT BRACKET. A LIFTING BEAM WITH VERTICAL "DROP LINES" TO THE WALER LIFT BRACKETS MUST BE USED.

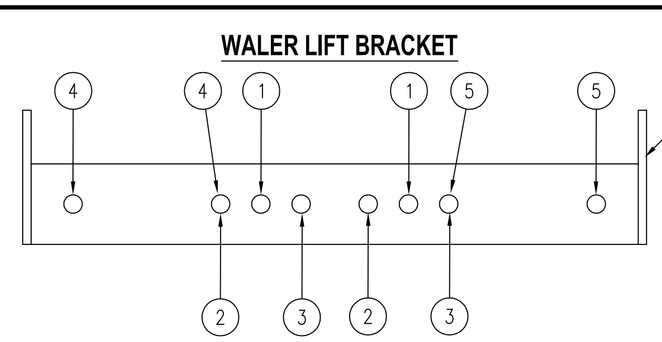
THE WALER LIFT BRACKET MUST BE DOUBLE NUTTED WHEN BOLTED TO THE TOP OF THE WALER.

SAFE WORKING LOAD = 4000 LBS

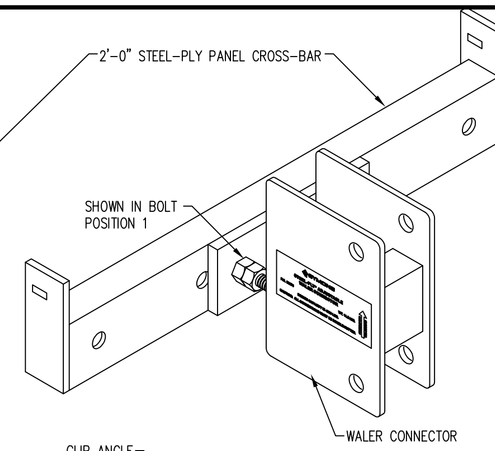


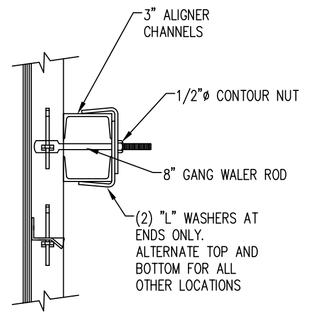
A MINIMUM OF TWO TAG LINES MUST BE USED TO CONTROL MOVEMENT OF CRANE HANDLED FORMWORK. DO NOT ALLOW PERSONNEL ON OR DIRECTLY UNDER ANY GANG WHILE IT IS BEING MOVED OR SUSPENDED IN THE AIR.

SCHEMATIC OF GANG FORM – REFER TO LAYOUT DRAWINGS FOR ACTUAL CONFIGURATION. H = TOTAL GANG HEIGHT

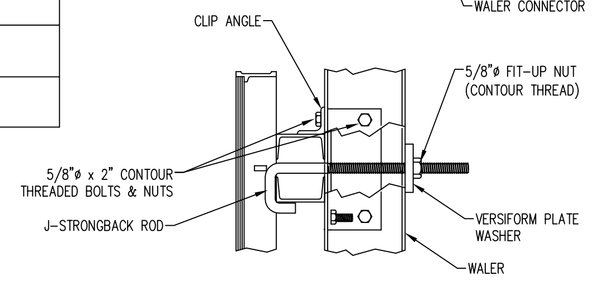


BOLT POSITION (AS SHOWN ON LAYOUT DRAWINGS)	SAFE WORKING LOAD
1–1, 2–2, 3–3	4000 LBS
4–4, 5–5	3600 LBS

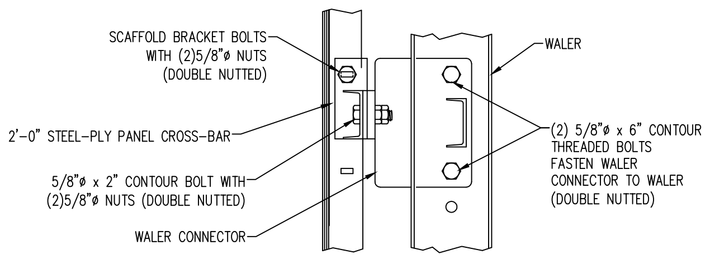




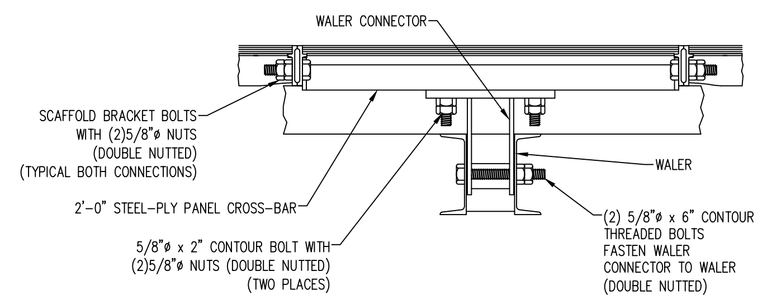
TYPICAL CROSS SECTION AT 3" ALIGNER TO STEEL-PLY CHANNEL CONNECTION



CROSS SECTION AT WALER TO 3" ALIGNER CHANNEL POSITIVE CONNECTION – FOR NON-LIFTING WALERS

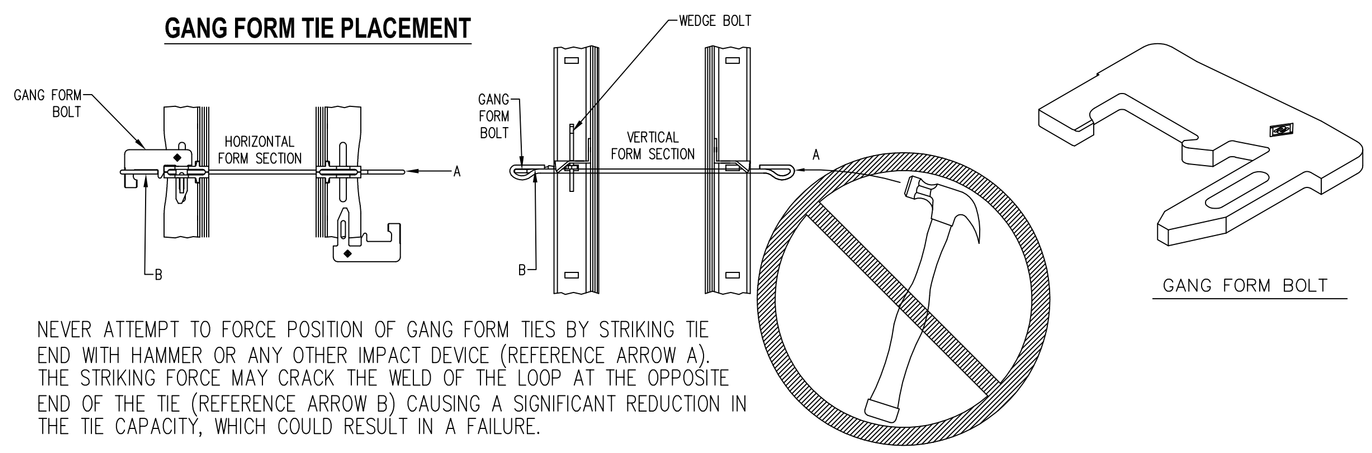


CROSS SECTION AT STEEL-PLY ADJUSTABLE WALER CONNECTOR AND 2' STEEL-PLY PANEL CROSS-BAR – FOR LIFTING WALERS



TOP VIEW AT STEEL-PLY PANEL SIDERAIL CROSS-BAR LOCATION FOR LIFTING WALERS

GANG FORM TIE PLACEMENT



GANG FORM BOLT

NEVER ATTEMPT TO FORCE POSITION OF GANG FORM TIES BY STRIKING TIE END WITH HAMMER OR ANY OTHER IMPACT DEVICE (REFERENCE ARROW A). THE STRIKING FORCE MAY CRACK THE WELD OF THE LOOP AT THE OPPOSITE END OF THE TIE (REFERENCE ARROW B) CAUSING A SIGNIFICANT REDUCTION IN THE TIE CAPACITY, WHICH COULD RESULT IN A FAILURE.

IMPORTANT:



UNSECURED FORMWORK CAN FALL OVER CAUSING SEVERE INJURY OR DEATH !!

BRACING

1.) BRACING MUST BE IN PLACE WHILE SETTING FORMWORK AND REMAIN IN PLACE UNTIL FORMS ARE STRIPPED.
2.) CONTRACTOR IS TO INSURE THAT FORMWORK IS PROPERLY BRACED AND STABILIZED AGAINST WIND AND OTHER EXTERNAL FORCES.

STRIPPING AND REMOVAL OF GANG FORMS

1.) ATTACH THE CRANE RIGGING TO THE LIFTING BRACKETS AND SLOWLY TAKE UP THE SLACK IN THE RIGGING.
2.) SAFELY REMOVE ALL TIES, BRACES, AND ALIGNERS.
3.) BREAK THE BOND BETWEEN THE CONCRETE AND THE FORMS. DO NOT USE THE CRANE TO BREAK THE BOND.
4.) MOVE THE GANG FORM TO THE NEXT LOCATION.
5.) FULLY BRACE AND SECURE THE FORM BEFORE REMOVING CRANE RIGGING.

SEE "STEEL-PLY SAFETY APPLICATIONS" FOR ADDITIONAL STEEL-PLY SAFETY INFORMATION

IMPORTANT: SEE SYMONS APPLICATION DRAWINGS, APPLICATION GUIDES, AND SAFETY SHEETS FOR ADDITIONAL IMPORTANT INFORMATION, INCLUDING GENERAL NOTES AND LOCAL BRANCH CONTACT INFORMATION.

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www.DaytonSuperior.com

STEEL-PLY GANG FORM SAFETY APPLICATIONS

FOR

JOB

LOCATION

DATE	DRAWING NO.	SHEET NO.

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