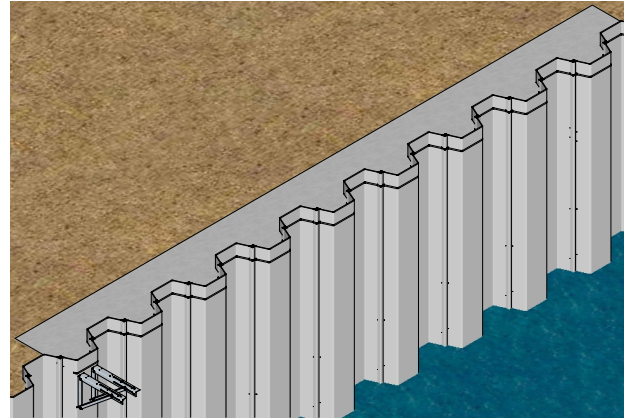
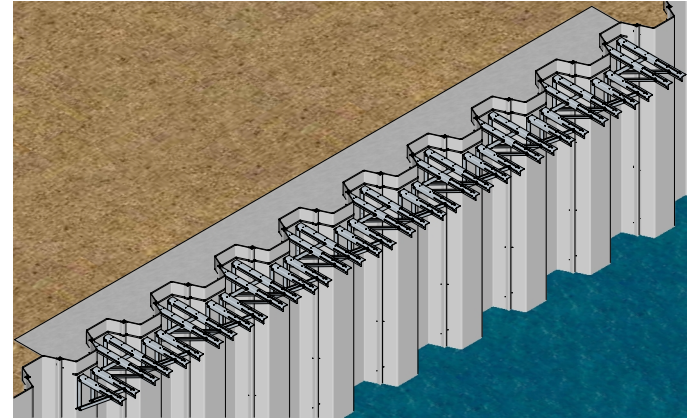


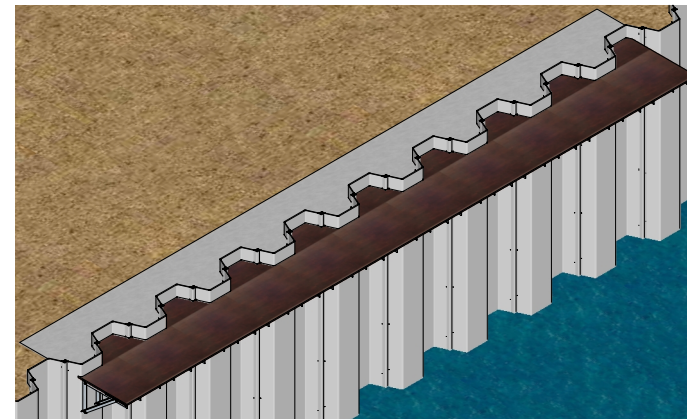
ONE SIDED CAPPING BEAM ERECTION STEP BY STEP GUIDE METHOD STATEMENT



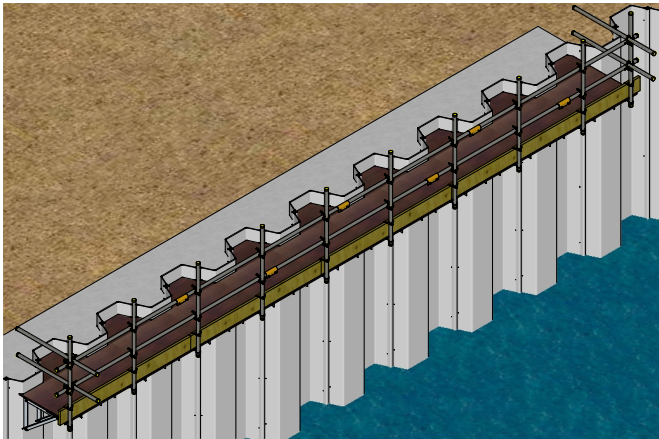
STEP ONE:
DRILL 2x HOLES IN THE SHEET PILE FOR EACH BRACKET PAIR AT DESIRED HEIGHT (REMEMBER TO TAKE PLY THICKNESS INTO CONSIDERATION WHEN DETERMINING THE LEVEL OF DESIGNED BEAM). BRACKETS TO BE FIXED TO SHEET PILE USING TWO BLIND BOLTS PER EACH BRACKET. ONE OF THE BLIND BOLTS TO BE FIXED AT THE TOP OF THE BRACKET SLOT - REFER TO 'JOINING DETAILS' SECTION OF THIS GUIDE. FOR EVERY SEGMENT OF SHEET PILING POSITION TWO PAIR OF BRACKETS AS CLOSE TO THE CORNERS OF SHEET PILING AS POSSIBLE.



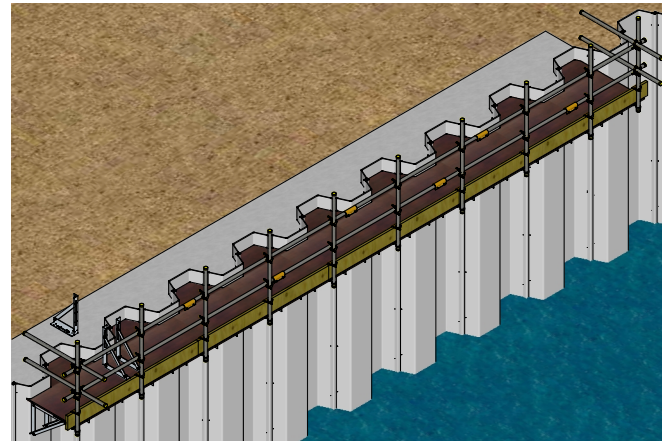
STEP TWO:
REPEAT THE PROCESS FOR NEXT BRACKETS UNTIL THE DESIRED POUR LENGTH IS COVERED. POSITION EXTRA BRACKETS EACH SIDE PAST THE POUR LENGTH TO ACCOMMODATE WORKING AREA FOR STOP-ENDS.



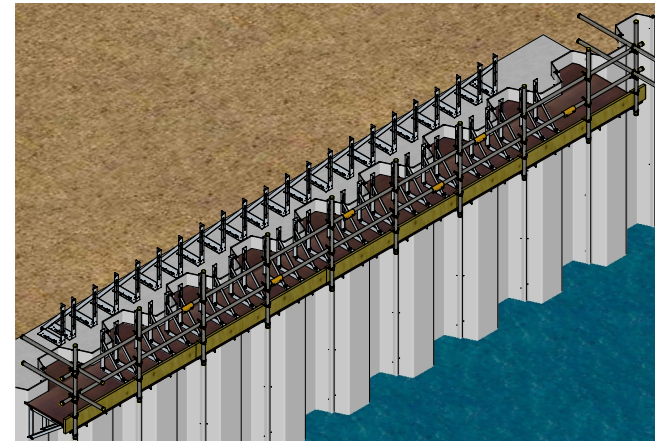
STEP THREE:
POSITION THE PLY ON THE BRACKETS AND FIX WITH 25MM WOOD SCREWS USING ALL AVAILABLE HOLES. COVER THE SIDE WITH PLY IN FULL FOR ACCESS.



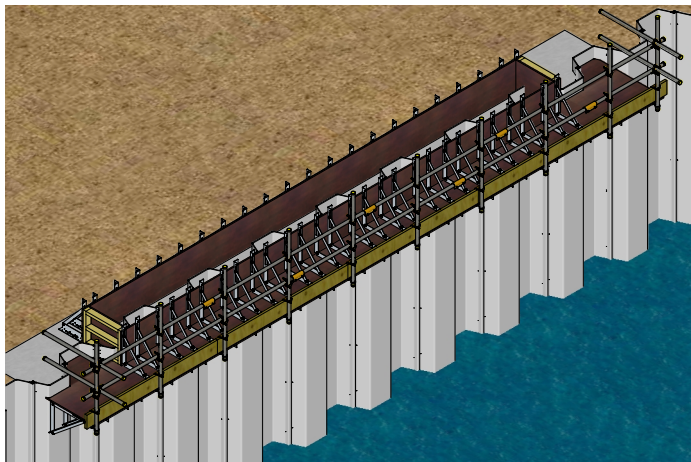
STEP FOUR:
COMPETENT PERSON SHOULD FIX HANDRAILS / ACCESS AS REQUIRED.



STEP FIVE:
BEFORE WORKING ON OR LOADING THE PLATFORM PLEASE NOTE ALL PLATFORMS SHOULD BE CHECKED AGAINST FAST FORM DESIGN DRAWINGS AND PASSED BY YOUR TEMPORARY WORKS CO-ORDINATOR OR OTHER COMPETENT PERSON. START POSITIONING THE SHUTTERING BRACKETS ON TOP OF SOFFIT BRACKETS THAT ARE FIXED TO SHEET PILE - BRACKETS TO BE FIXED WITH EACH OTHER USING 2x M16 TENSILE BOLTS PER EACH BRACKET PAIR. POSITION ANOTHER BRACKET ADJACENT THE SOFFIT BRACKET OR WHERE THE CAPPING BEAM STARTS ON THE LAND SIDE. FIX THIS BRACKET USING EITHER CONCRETE BOLT INTO CONCRETE BLINDING OR ROAD PINS IF ON HARDWARE.

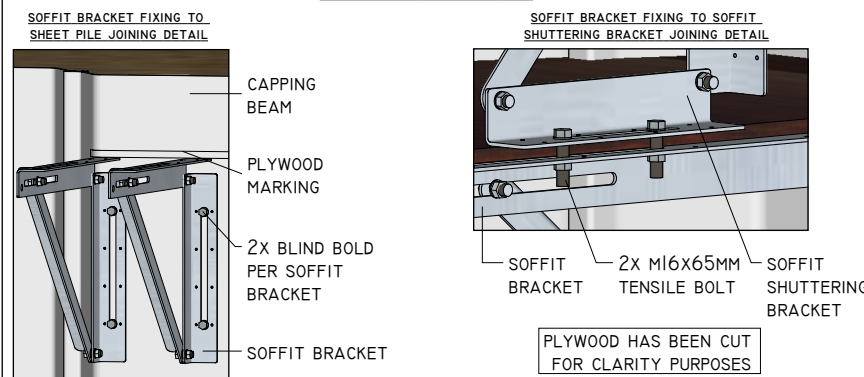


STEP SIX:
REPEAT THE PROCESS FOR NEXT BRACKETS UNTIL ALL ARE FIXED, MAKING SURE NOT TO EXCEED 400MM CENTRES AND TO ALIGN THEM WITH ADJACENT BRACKETS IF USING TIE BARS. PLUMB THE END BRACKETS, ALIGN THE BRACKETS USING A STRING LINE AND TIGHTEN ALL BOLTS.



STEP SEVEN:
FIT ALL PLY FIX FROM BEHIND AND THE STOP-ENDS.

JOINING DETAILS



IMPORTANT NOTES:

THIS DRAWING TO BE USED IN CONJUNCTION WITH TYPICAL SINGLE SIDED CAPPING BEAM CROSS-SECTION AND ELEVATION VIEWS OR BESPOKE PROJECT DRAWINGS TO OBTAIN EXACT POSITIONING OF ALL OF THE BRACKETS.

THESE ARE STANDARD, GENERIC AND NOT SITE SPECIFIC FITTING INSTRUCTIONS FOR THE SINGLE SIDED CAPPING BEAM, YOU SHOULD BE ABLE TO COMPLETE ANY TYPE OF POUR FOLLOWING THESE:

1. START BY MARKING OUT HOLES FOR THE 2x BLIND BOLTS (M16) FOR FIXING SOFFIT BRACKETS TO SHEET PILE. DRILL THE HOLES USING A MAG DRILL WITH OIL FEEDER SECURING THE SAFETY CHAIN. THE HOLES SHOULD BE IMM BIGGER THAN THE DIAMETER OF THE BOLT. REMEMBER TO TAKE INTO CONSIDERATION THE THICKNESS OF THE PLYWOOD THAT WILL BE ACTING AS THE SOFFIT OF THE SHUTTERING FOR THE BEAM. ONE OF THE BOLTS HAS TO BE POSITIONED AT THE TOP OF THE SLOT OF THE VERTICAL MEMBER TO PREVENT THE BRACKET FROM MOVING AWAY FROM THE DESIRED DESIGNED LEVEL. FOR MOST OF THE SHEET PILING SIZES IT IS POSSIBLE TO FIT IN 2 BRACKETS PER ONE SHEET OF SHEET PILING AND POSITION THEM AS CLOSE TO THE PILE CORNERS AS POSSIBLE. ALL TENSILE BOLTS SHOULD BE SECURED WITH AN IMPACT WRENCH. CLIENT SHOULD ASSESS THE RISK AND PROVIDE A SAFE METHOD OF ACCESS FOR INSTALLATION OF FORMWORK.

2. REPEAT THE PROCESS OF FIXING THE BRACKETS TO SHEET PILING FOR NEXT BRACKETS UNTIL THE POUR LENGTH IS COVERED. POSITION EXTRA BRACKETS ON EACH SIDE OF THE POUR TO ACCOMMODATE STOP-ENDS (DESIGNED BY CLIENT).

3. USE A TEMPLATE TO MARK OUT THE SHAPE OF THE RECESSES OF THE SHEET PILING AND USE A JIGSAW TO CUT OUT THE PLYWOOD. FIX THE PLYWOOD TO THE SOFFIT BRACKETS WITH WOOD SCREWS USING ALL AVAILABLE HOLES TO PREVENT THE PLYWOOD FROM DISLOCATING. USE A SILICONE SEALANT BETWEEN THE PLYWOOD AND THE SHEET PILING TO STOP ANY GROUT FROM LEAKING OUT OF THE SHUTTERING. REMEMBER TO POSITION ANY PLYWOOD JOINTS ON CENTRE OF THE BRACKETS. MAKE SURE THAT THERE ARE NO TRAP ENDS!

4. FIX HANDRAIL / ACCESS AS REQUIRED. ALL ACCESS TO BE ERECTED BY A COMPETENT PERSON AND TO BE INSPECTED AND RECORDED BY A COMPETENT PERSON EVERY 7 DAYS OR WHEN ALTERED.

5. MARK THE LINE OF THE BEAM SHUTTERING TAKING INTO CONSIDERATION THE THICKNESS OF THE PLYWOOD ON BOTH SIDES - THE SOFFIT AND LANDSIDE - AND POSITION THE SHUTTERING BRACKETS. MAKE SURE THAT ALL OF THE SOFFIT SIDE SHUTTERING BRACKETS ARE POSITIONED OVER THE SOFFIT BRACKETS AND ARE FIXED TOGETHER WITH 2x TENSILE BOLTS (8.8 GRADE M16)! THE LANDSIDE SHUTTERING BRACKETS TO BE SECURED USING EITHER:
- CONCRETE BOLTS IF FIXING TO CONCRETE BLINDING AND USING STANDARD BRACKET BASES - FOLLOW BOLT MANUFACTURER TECHNICAL SPECIFICATIONS AND INSTALLATION GUIDES TO PROPERLY SECURE THE CONCRETE BOLTS,
- ROAD PINS IF FIXING TO GROUND/HARDWARE AND USING ROAD PIN BRACKET BASES - CHECK SURVEY DRAWINGS AND CAT SCAN AREA BEFORE DRIVING PINS INTO THE GROUND TO AVOID STRIKING ANY UNDERGROUND SERVICES. PLACE A ROAD PIN BETWEEN PIN BRACE AND WEDGE, CAREFULLY DRIVING INTO THE GROUND USING INSULATED LUMP HAMMER OR SLEDGE HAMMER. THE ROAD PIN MUST BE DRIVEN INTO THE GROUND SO THE ROAD FORM PAN IS SECURELY FIXED. MAKE SURE TO LEAVE ENOUGH ROAD PIN OVERHANG SO IT CAN BE EXTRACTED USING AN EXTRACTION TOOL.

6. REPEAT THE PROCESS FOR NEXT BRACKETS UNTIL ALL ARE FIXED, MAKING SURE NOT TO EXCEED 400MM CENTRES ON THE LANDSIDE BRACKETS OR TO ALIGN THEM WITH ADJACENT BRACKETS IF USING TIE BARS. PLUMB THE BRACKETS AND TIGHTEN ALL BOLTS.

7. FIT ALL THE PLYWOOD TO FORM THE SHUTTERING FOR THE SIDES OF THE BEAM AND FIX USING WOOD SCREWS TO THE BRACKETS (FROM BEHIND) USING ALL AVAILABLE HOLES. WISAFORM MDO PLY, IF SUPPLIED BY FAST FORM SYSTEMS, THE LIGHT BROWN FACE IS THE FACE TO USE FOR THE CONCRETE SIDE, NOT THE DARK BROWN FACE. ALL PLY SHOULD BE SUITABLY OILED FOR EASY RELEASE AFTER CONCRETING.

8. IF YOU HAVE ANY QUESTIONS, PLEASE CALL OUR OFFICE WE ARE HERE TO HELP.

IMPORTANT NOTE TO CUSTOMER:

BEFORE INSTALLING FAST FORM SYSTEMS CAPPING BEAM FORMWORK BRACKETS PLEASE ENSURE THAT SUITABLE ACCESS ARRANGEMENTS AND SSOW ARE IN PLACE

REVISION	DATE	DESCRIPTION	SIGNED
0	4/06/15	ORIGINAL VERSION	K.P.
A	4/06/16	ANNUAL REVISION	K.P.



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Drawn By: Karol Podsiadlo

Date: 04/06/15

Rev: A

Designed by: Karol Podsiadlo

Drawing no: FFS-CBEG2

Project: Fast Form Capping Beam System

Drawing title: One Sided Capping Beam Erection Step by Step Guide