

SIZE & CONFIGURATION			DIMENSIONAL CHART					
SCALE SIZE	FIRST	TERMINAL	MINIMUM FOUNDATION OPENING ("A")	DECK LENGTH "B"	TOTAL L/C "C"	"D"	"E"	
35'	17.5'	17.5'	35'-5"	35'-3"	34'-9"	17'-4 1/2"	17'-4 1/2"	
40'	20'	20'	40'-5"	40'-3"	39'-9"	19'-10 1/2"	19'-10 1/2"	

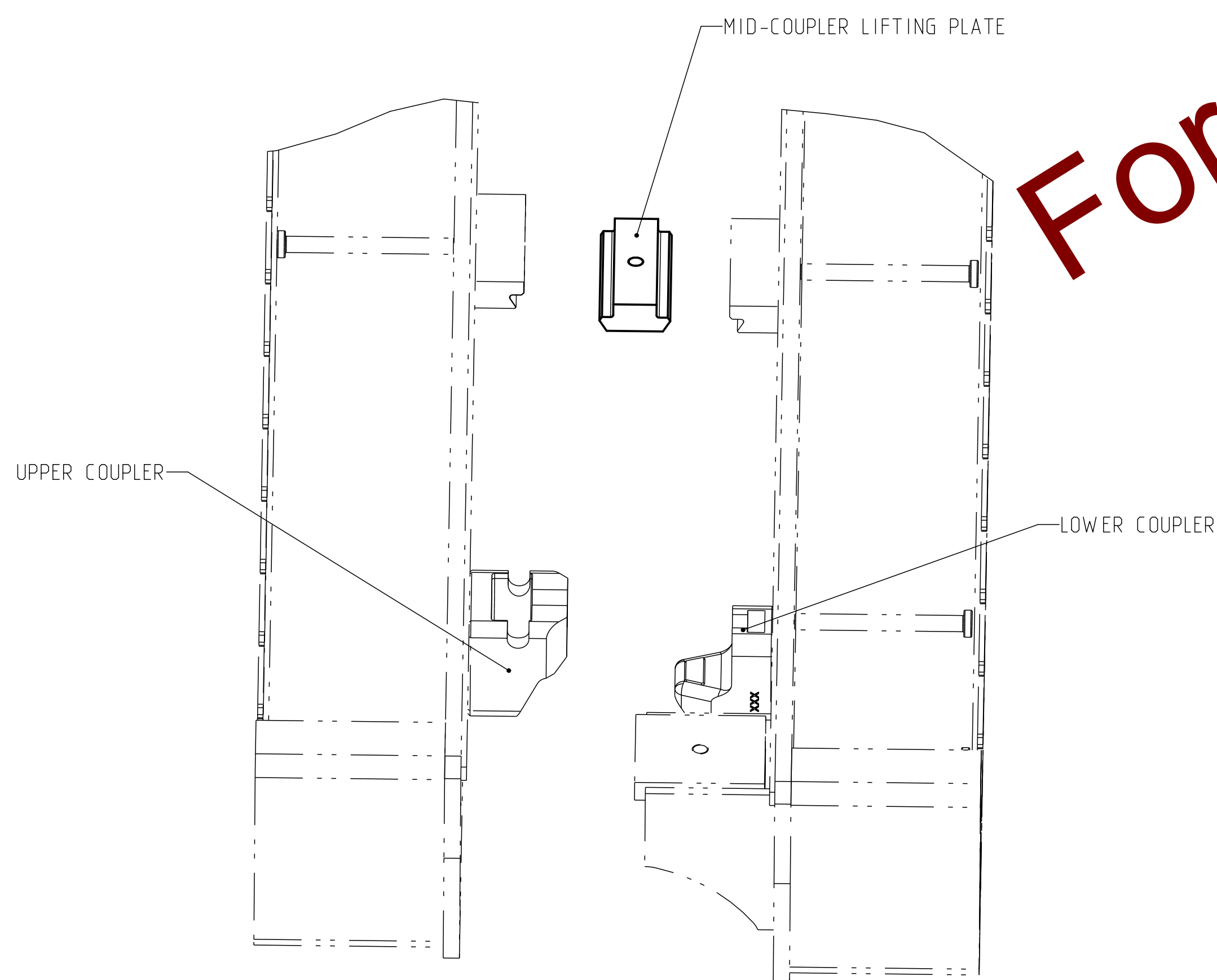
SIZE & CONFIGURATION			DIMENSIONAL CHART					
SCALE SIZE	FIRST	TERMINAL	MINIMUM FOUNDATION OPENING ("A")	DECK LENGTH "B"	TOTAL L/C "C"	"D"	"E"	
35 m	17.5 m	17.5 m	35.3 m	35.3 m	34.9 m	17.795 m	17.795 m	
40 m	20 m	20 m	40.5 m	40.3 m	39.9 m	19.795 m	19.795 m	

REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60 [420 MPa] OR EQUIVALENT)											
MODULE SIZE		ST1					ST2				
LENGTH	WIDTH	QTY	SIZE ₂	LENGTH	SPACING ₁	WGT	QTY	SIZE ₂	LENGTH	SPACING	WGT
17'	10'	22	#8	195"	5.2"	954 LB	37	#4	113"	5-3/16"	233 LB
17'	11'	22	#8	195"	5.8"	954 LB	37	#4	125"	5-3/16"	257 LB
20'	10'	22	#8	225"	5.2"	1101 LB	37	#4	113"	6"	233 LB
20'	11'	22	#8	225"	5.8"	1101 LB	37	#4	125"	6"	257 LB

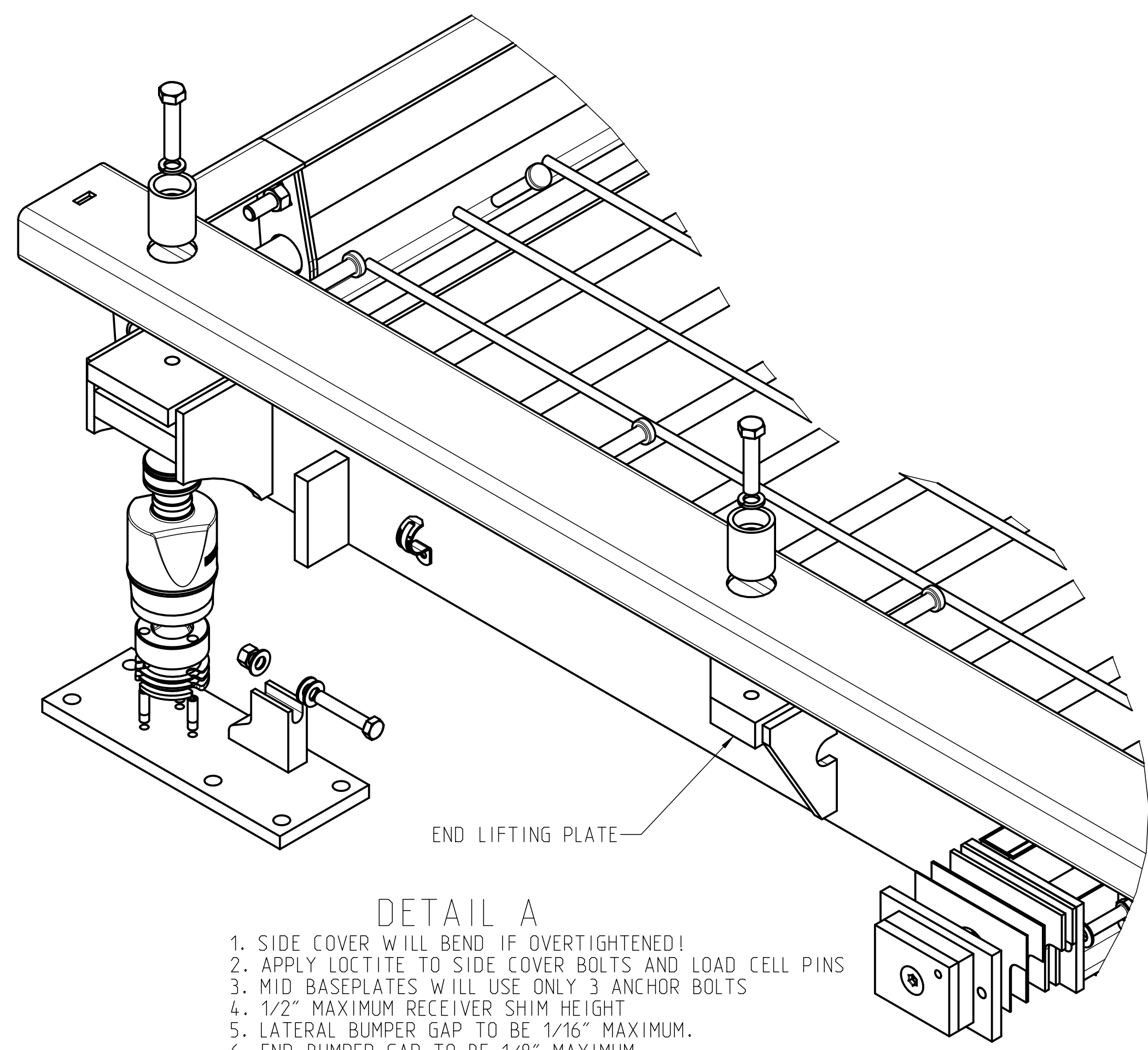
1. DIMENSIONS ARE PROVIDED FOR REFERENCE. SPACING IS DETERMINED BY SUPPORT SADDLES.
2. MINIMUM ACCEPTABLE SIZE.

REINFORCING STEEL SCHEDULE (A.S.T.M. A-615M GRADE 60 [420 MPa] OR EQUIVALENT)											
MODULE SIZE		ST1					ST2				
LENGTH	WIDTH	QTY	SIZE ₂	LENGTH	SPACING ₁	WGT	QTY	SIZE ₂	LENGTH	SPACING	WGT
5.3 m	3.0 m	22	Ø25 mm	4.95 m	132 mm	433 Kg	37	Ø13 mm	2.87 m	131 mm	106 Kg
5.3 m	3.4 m	22	Ø25 mm	4.95 m	147 mm	433 Kg	37	Ø13 mm	3.17 m	131 mm	117 Kg
6.1 m	3.0 m	22	Ø25 mm	5.71 m	132 mm	500 Kg	37	Ø13 mm	2.87 m	152 mm	106 Kg
6.1 m	3.4 m	22	Ø25 mm	5.71 m	147 mm	500 Kg	37	Ø13 mm	3.17 m	152 mm	117 Kg

1. DIMENSIONS ARE PROVIDED FOR REFERENCE. SPACING IS DETERMINED BY SUPPORT SADDLES.
2. MINIMUM ACCEPTABLE SIZE.



- DETAIL B**
1. ENSURE COMPLETE ENGAGEMENT OF MID-COUPLER LIFTING PLATE WITH BOTH ENDPATES.
 2. LONGITUDINAL SHIMS ARE TO BE USED AFTER LIFTING PLATE IS ENGAGED TO FILL ANY GAPS BETWEEN COUPLERS.
 3. EACH MID BASE PLATE USES ONLY THREE ANCHOR BOLTS.



- DETAIL A**
1. SIDE COVER WILL BEND IF OVERTIGHTENED.
 2. APPLY LOCTITE TO SIDE COVER BOLTS AND LOAD CELL PINS.
 3. MID BASEPLATES WILL USE ONLY 3 ANCHOR BOLTS.
 4. 1/2" MAXIMUM RECEIVER SHIM HEIGHT.
 5. LATERAL BUMPER GAP TO BE 1/16" MAXIMUM.
 6. END BUMPER GAP TO BE 1/8" MAXIMUM.

STANDARD NOTES:

1. [WARNING] READ 'SAFETY' INFORMATION IN OWNER'S MANUAL BEFORE UNPACKING AND INSTALLATION.
2. FOUNDATION LENGTH DIMENSION SHOWN IS NOMINAL. ACTUAL TOLERANCE IS 0/+1".
3. APPLY 3 DROPS OF LOCTITE TO ALL GAP COVER BOLTS.
4. IF CONNECTOR BECOMES CONTAMINATED, REMOVE CONTAMINANTS WITH SUPPLIED CONNECTOR CLEANER.
5. COUPLER VERTICAL SHIMS MAY BE USED IF NECESSARY TO LEVEL MODULES.

CONCRETE NOTES:

- C1. REFER TO DRAWING 61800002 FOR CONCRETE SPECIFICATION.
- C2. BEGIN WITH A CLEAN, LEVEL SURFACE.
- C3. COVER FOUNDATION WITH POLYETHYLENE FILM (6-MIL RECOMMENDED) TO PROVIDE A LEVEL, NON-POROUS SURFACE TO PLACE CONCRETE.
- C4. ASSEMBLE MODULES (END PLATES, SIDE CHANNELS AND REBAR SUPPORTS) ON FOUNDATION FROM RIGHT TO LEFT, AS CONFIGURED:
 - THE SUPPORTS SHOULD BE PLACED AT EACH SECTION WHERE THE SIDE CHANNELS JOIN EACH OTHER (TWO PER MODULE).
 - AND SHOULD BE ASSEMBLED WITH THE LOWER BOLT ON THE INSIDE OF A CHANNEL (NOT BETWEEN CHANNELS), CONTACTING THE GROUND.
 - FASTEN EACH SECTION USING PROVIDED 3/4-10 HARDWARE.
 - PLACE PVC CONDUIT THROUGH HOLES: TWO SECTIONS PER SIDE, JOINED WITH PVC COUPLER.
 - CHECK DIAGONAL MEASUREMENTS (ASSEMBLED MODULE SHOULD BE SQUARE WITHIN 1/4-INCH).
 - FINAL MODULE ASSEMBLY MAY REQUIRE SHIMS TO ACHIEVE REQUIRED LENGTH. PLACE SHIMS BETWEEN SIDE CHANNEL AND ENDPATE.
 - REUSE LONGER 3/4-10 HARDWARE PROVIDED WITH PACKAGING COMPONENTS.
- C5. MODULE REBAR PLACEMENT:
 - PLACE #8 BARS IN SUPPORT SADDLES; CENTER THE REBAR LONGITUDINALLY, SO THAT THE BARS ARE APPROXIMATELY 2.5-INCHES FROM THE INSIDE SURFACE OF THE ENDPATE.
 - PLACE #4 BARS DIRECTLY ON TOP OF THE #8 REBAR. THE FIRST BAR SHOULD BE PLACED APPROXIMATELY 6-3/4 INCHES FROM THE INSIDE SURFACE OF THE ENDPATE. TIE EACH #4 BAR TO THE #8 BARS IN AT LEAST TWO PLACES.
- C6. CONCRETE SHALL BE DIRECT CHUTE PLACED AND THOROUGHLY CONSOLIDATED USING A SPUD TYPE VIBRATOR.
- C7. USE OF CALCIUM CHLORIDE ADMIXTURE IS NOT PERMITTED.
- C8. AFTER FINISHING, A STYRENE-BUTADIENE TYPE (30% SOLIDS MIN) CURING COMPOUND SHALL BE APPLIED.
- C9. ESTIMATED CONCRETE PER MODULE IN CUBIC YARDS (REF ONLY):
17'6" X 11' = 6.4 20' X 11' = 7.4

LIFTING INSTRUCTIONS:

1. AFTER RECOMMENDED CURING OF CONCRETE, BEGIN BY LIFTING THE SCALE ONE SECTION AT A TIME, WORKING FROM ONE END TO THE OTHER.
2. IF NECESSARY, REMOVE GAP COVERS AND INSERT UPPER RECEIVERS INTO ENDPATES.
3. PLACE 20-TON STUBBY BOTTLE-JACK, CENTERED UNDER EACH LIFTING PLATE, AND CAREFULLY LIFT THE SECTION APPROXIMATELY 4-INCHES.
4. SLOWLY LOWER THE ENDPATE WITH RECEIVERS ONTO BASEPLATES AND LOCATING TOOLS.
5. REPEAT THE ABOVE PROCEDURE FOR REMAINING SECTIONS.