

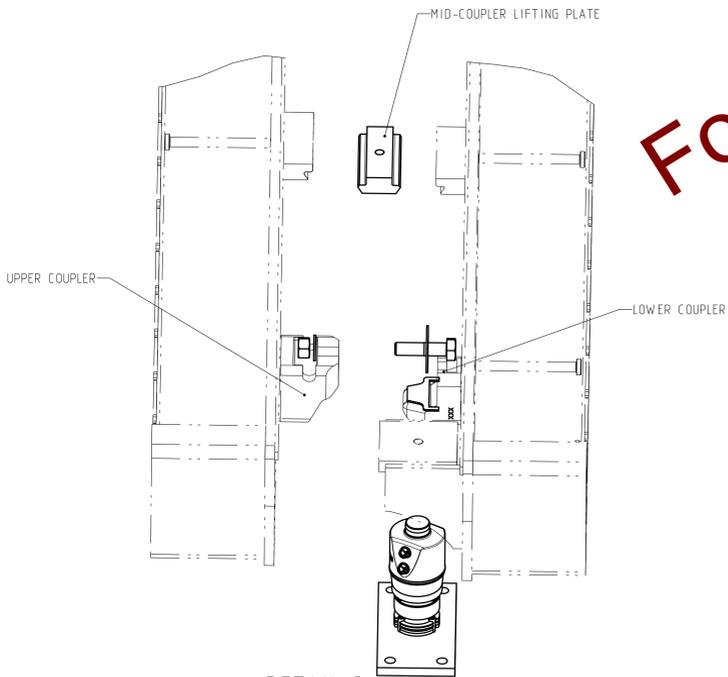
SIZE & CONFIGURATION				DIMENSIONAL CHART						
SCALE SIZE	FIRST	MIDDLE	TERMINAL	MINIMUM FOUNDATION OPENING ("A")	DECK LENGTH "B"	TOTAL L/C "C"	"D"	"E"	"F"	
52.5'	17.5'	17.5'	17.5'	52'-9 1/2"	52'-7 1/2"	52'-1 1/2"	17'-4 1/2"	17'-4 1/2"	17'-4 1/2"	
55'	17.5'	20'	17.5'	55'-3 1/2"	55'-1 1/2"	54'-7 1/2"	17'-4 1/2"	19'-10 1/2"	17'-4 1/2"	
60'	20'	20'	20'	60'-3 1/2"	60'-1 1/2"	59'-7 1/2"	19'-10 1/2"	19'-10 1/2"	19'-10 1/2"	

SIZE & CONFIGURATION				DIMENSIONAL CHART						
SCALE SIZE	FIRST	MIDDLE	TERMINAL	MINIMUM FOUNDATION OPENING ("A")	DECK LENGTH "B"	TOTAL L/C "C"	"D"	"E"	"F"	
15.9 m	5.3	5.3	5.3	16.091 m	16.040 m	15.888 m	5.296 m	5.296 m	5.296 m	
16.7 m	5.3	6.1	5.3	16.853 m	16.802 m	16.650 m	5.296 m	6.058 m	5.296 m	
18.3 m	6.1	6.1	6.1	18.377 m	18.326 m	18.174 m	6.058 m	6.058 m	6.058 m	

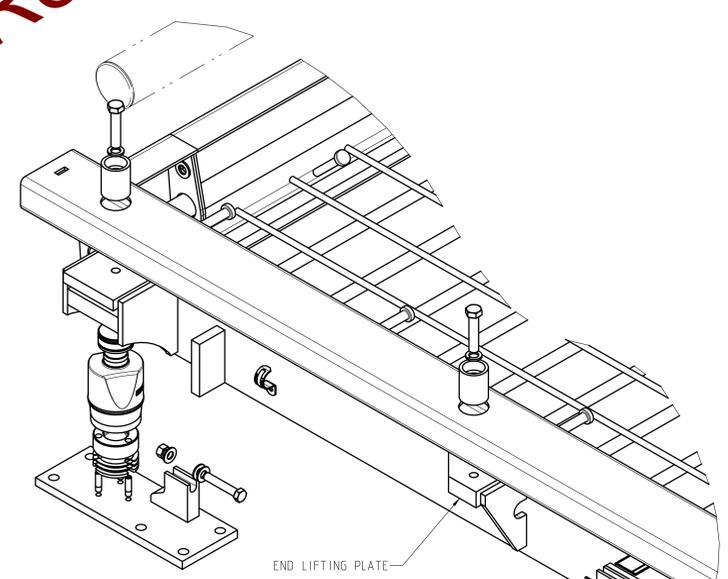
REINFORCING STEEL SCHEDULE (A.S.T.M. A-615 GRADE 60 [420 MPa] OR EQUIVALENT)											
MODULE SIZE		ST1						ST2			
LENGTH	WIDTH	QTY	SIZE <sub>2</sub>	LENGTH	SPACING	WGT	QTY	SIZE <sub>2</sub>	LENGTH	SPACING	WGT
17'	10'	22	#8	195"	5.2"	954 LB	37	#4	113"	5-3/16"	233 LB
17'	11'	22	#8	195"	5.8"	954 LB	37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

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MODULE SIZE		ST1						ST2			
LENGTH	WIDTH	QTY	SIZE <sub>2</sub>	LENGTH	SPACING	WGT	QTY	SIZE <sub>2</sub>	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

For Reference Only - Not for Construction.



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



- DETAIL A**
- APPLY LOCTITE TO LOAD CELL PINS.
  - CORNER BASEPLATES USE FIVE ANCHOR BOLTS.
  - 1/2" MAXIMUM RECEIVER SHIM HEIGHT.
  - LATERAL BUMPER GAP TO BE 1/16" MAXIMUM.
  - END BUMPER GAP TO BE 1/8" MAXIMUM.

**STANDARD NOTES:**

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

**CONCRETE NOTES:**

- REFER TO DRAWING 61800002 FOR CONCRETE SPECIFICATION.
- BEGIN WITH A CLEAN, LEVEL SURFACE.
- COVER FOUNDATION WITH POLYETHYLENE FILM (6-MIL RECOMMENDED) TO PROVIDE A LEVEL, NON-POROUS SURFACE TO PLACE CONCRETE.
- 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 ENDPLATE.
- 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 ENDPLATE.
  - 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 ENDPLATE, THE EACH #4 BAR TO THE #8 BARS IN AT LEAST TWO PLACES.
- CONCRETE SHALL BE DIRECT CHUTE PLACED AND THOROUGHLY CONSOLIDATED USING A SPUD TYPE VIBRATOR.
- USE OF CALCIUM CHLORIDE ADMIXTURE IS NOT PERMITTED.
- AFTER FINISHING, A STYRENE BUTADIENE TYPE (30% SOLIDS MIN) CURING COMPOUND SHALL BE APPLIED.
- ESTIMATED CONCRETE PER MODULE IN CUBIC YARDS (REF ONLY):
  - 17'6 X 11' = 6.4
  - 20' X 11' = 7.4

**LIFTING INSTRUCTIONS:**

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

REV	DATE	DESCRIPTION	BY	APP'D	AGENCY	E.R. NO.	DATE

<b>RECORD OF CHANGES</b> Model: 61808113 © Rev. Level:		HINC Columbus, OH USA Drawn: CMB Date: 02/23/16 Scale: 1:15 Format: ANSI E
<b>VTC191 GLO 3-Mod</b> Units: INCH		Drawing: 0 Rev. Level: