

- APPROACH COPING

— CHECK PLATE

- ANCHOR BOLT

SECTION C-C

DRILL TYPE ANCHOR INFORMATION

(DRILL TYPE ANCHORS PROVIDED WITH THE SCALE)

FOR THE LC STANDS (12 REQUIRED)

5/8 DIA X 6" STUD TYPE ANCHORS

DRILL DIA 5/8", DRILL DEPTH 3 1/2"

ANCHOR DETAIL

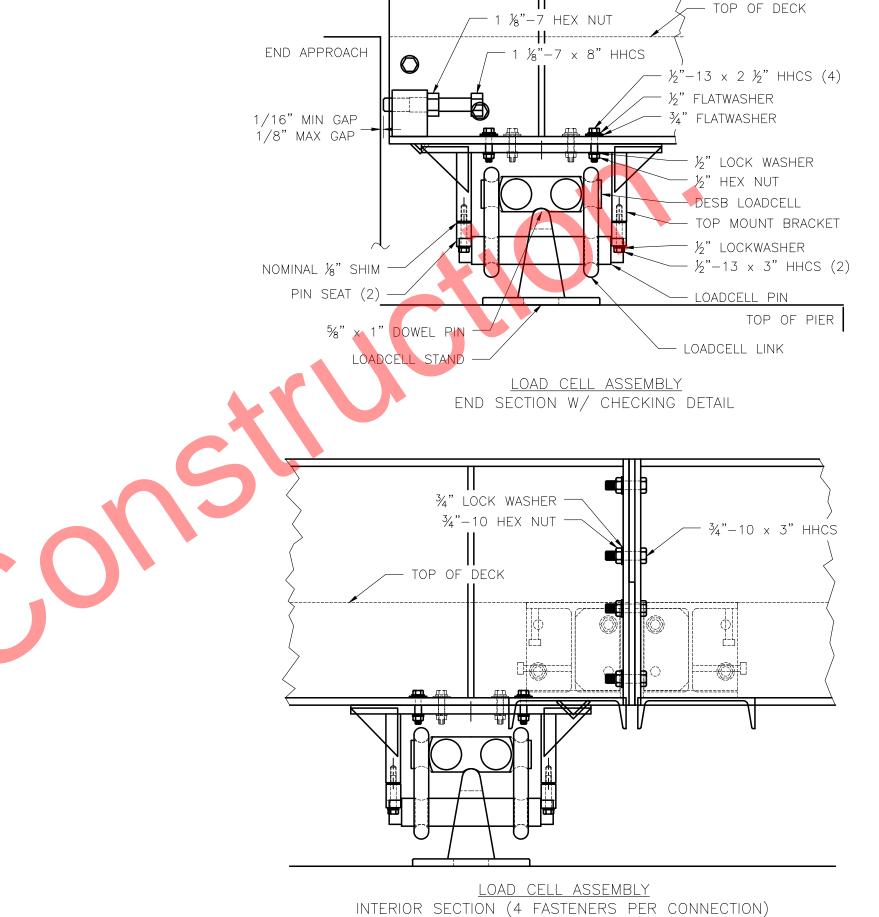
 $\frac{3}{4}$ " × 6" × 6"

(SUPPLIED WITH SCALE)

SEE SECTION B-B

 $3" \times 3" \times 14" \times 15' LG.$ 

(SUPPLIED WITH SCALE)



## - END CROSSBEAM END CROSSBEAM — W/ROCK STRIP INTERIOR W/CABLE ANGLE & ROCK SÉCTION AWAY FROM INTERIOR CROSSBEAM -STRIP LOADCELL END LOADCELL & NUT TO INSIDE) TYP. 4 EA. CROSSBEAM CORRUGATE 5/8" MAX HEIGHT 24 — OPTIONAL SHORING KIT ----OPTIONAL WELDED WIRE MAT AVAILABLE FROM THURMAN GAUGE MIN. THICKNESS OPTIONAL "DROP IN" STEEL ANGLES AVAILABLE FROM THURMAN CORRUGATE KIT AVAILABLE FROM THURMAN (SEE NOTE 18) (5 EA BAY)

DETAIL D-D END MODULE SHOWN

## CONCRETE POURING & FINISHING INSTRUCTIONS FOR SCALE DECK:

. FINISH THE CONCRETE DECK WITH A BULL FLOAT AND HAND TROWEL OR BROOM TO THE DESIRED FINISH. 2. THE CONCRETE IS TO BE MOIST CURED FOR SEVEN DAYS OR MAY ALTERNATIVELY RECEIVE A COAT OF LIQUID CURING COMPOUND. 3. DO NOT USE OR CALIBRATE THE SCALE UNTIL THE DECK IS

CURED AND HAS REACHED 4000 PSI MINIMUM COMPRESSIVE STRENGTH.

	CONCRETE						
4000 PSI MINIMUM							
LOCATION	QTY (CU. YDS)						
PIERS AS SHOWN	23.5						
FLOOR AT 6" THICK	9						
APPROACHES	13						
MODULES	12.5						
TOTAL CONCRETE	58 CU. YDS.						

——6'-2 1/4" REF ——► □ TYP INTO END WALL (FLUSH) FOUNDATIONS LONGITUDINAL BUMP CHECK LOCATION

BOLT APPROACH COPING AND —

REMOVE BOLTS WHILE

CONCRETE IS GREEN.

\_2 1/2"

PROJ.

CHECK PLATES TO FORMS.

1'-10 1/2"

MODULE REINFORCING SCHEDULE  ASTM 615 - GRADE 60								
MARK	QTY	SIZE	LENGTH	WEIGHT (LBS)	REMARKS			
D1	56	#6	12'-3"	1031	(7) EA. BAY, PERPENDICULAR TO TRAFFIC			
D2	112	#6	4'-6"	758	(14) EA. BAY, PARALLEL TO TRAFFIC			
		TOT	AL WEIGHT	1,789				
FOUNDATION REINFORCING SCHEDULE astm 615 - grade 60								
	0.75.7	0.75	. ==	WEIGHT (LEG)				

$\vdash$	ASTIN 013 - GNADE 00						
	MARK	QTY	SIZE	LENGTH	WEIGHT (LBS	5)	REMARKS
	HR1	60	#4	9'-6"	381	7	(30) EA. APPROACH
	HR2	82	#4	14'-6"	795		(26) EA. APPROACH; (10) EA. PIER
	HR3	15	#4	4'-10"	49		(15) INTERIOR PIER
	HR4	30	#4	3'-11"	79		(15) EA. END PIER
	VR1	60	#4	3'-0"	121		(30) EA. END WALL VERT.
	TOTAL WEIGHT				1,425		
<b>↓</b> Γ	*DILIC ADDDOV FOO CO ET OF WINE OD FOLIAL AC NOTED IN FLEVATION VIEW						

\*PLUS APPROX. 500 SQ. FT. OF WWF OR EQUAL AS NOTED IN ELEVATION VIEW

. REINFORCING STEEL SHALL BE FREE OF ALL MUD, DEBRIS, CEMENT GROUT, LOOSE RUST, GREASE, AND OIL. 2. TACK WELDING OF BARS IS PROHIBITED.

1. FOUNDATION DESIGN IS BASED ON A MINIMUM SOIL BEARING CAPACITY OF 3000 LB/SQ. FT. FOR SOIL CONDITIONS WHICH DO NOT MEET THIS SPECIFICATION, CONSULT WITH THE THURMAN SCALE COMPANY. 2. THE FOUNDATION SHALL BE INSTALLED AT AN ELEVATION AND LOCATION TO INSURE ADEQUATE DRAINAGE AWAY FROM SCALE. A PERIMETER TRENCH AND AGGREGATE BASE MAY BE ADDED IF DRAINAGE IS NOT

3. BOTTOM OF FOOTERS SHOULD EXTEND A MINIMUM OF 12" BELOW THE FROST LINE. A 48 INCH FOOTER DEPTH IS MINIMUM. 4. N.I.S.T. H-44 REQUIREMENTS AND LOCAL WEIGHTS AND MEASURES REGULATIONS MAY REQUIRE INSTALLATION PARAMETERS SOMEWHAT DIFFERENT THAN ILLUSTRATED ON THIS PLAN. IN ORDER TO INSURE COMPLIANCE, CONSULT THE LOCAL WEIGHTS & MEASURES OFFICE PRIOR TO CONSTRUCTION. 5. CONCRETE OF 4000 PSI MINIMUM COMPRESSIVE STRENGTH IS REQUIRED, WITH 5-7% AIR ENTRAINMENT. VIBRATE CONCRETE WHEN POURING. FOLLOW LATEST ACI REQUIREMENTS FOR MATERIALS AND CONSTRUCTION.

6. PIERS MUST BE LEVEL AND IN THE SAME PLANE WITHIN  $\pm 1/8$  INCH. 7. EXCAVATION, FORMS, REINFORCING STEEL, GUARD POSTS, AND CONCRETE FURNISHED BY OTHERS. OPTIONAL REBAR KITS (FOR THE SCALE DECK) ARE AVAILABLE FROM THURMAN 8. DO NOT PLACE REBAR IN CLOSE PROXIMITY OF ANCHOR BOLTS.

9. A MINIMUM OF 24" OF CLEARANCE IS REQUIRED ON JUNCTION BOX SIDE OF THE SCALE NEAR THE BOX MOUNTS. 10. CAUTION! THE MAIN GIRDERS SHOULD NEVER BE USED AS A STEP. SLIPPERY WHEN WET.

11. POSITION LOAD CELL ASSEMBLIES IN APPROXIMATE LOCATIONS.

20. POUR CONCRETE. SEE NOTE 5 ABOVE.

DO NOT CAST UNLESS TEMPERATURE IS ABOVE 40 DEGREES FAHRENHEIT.

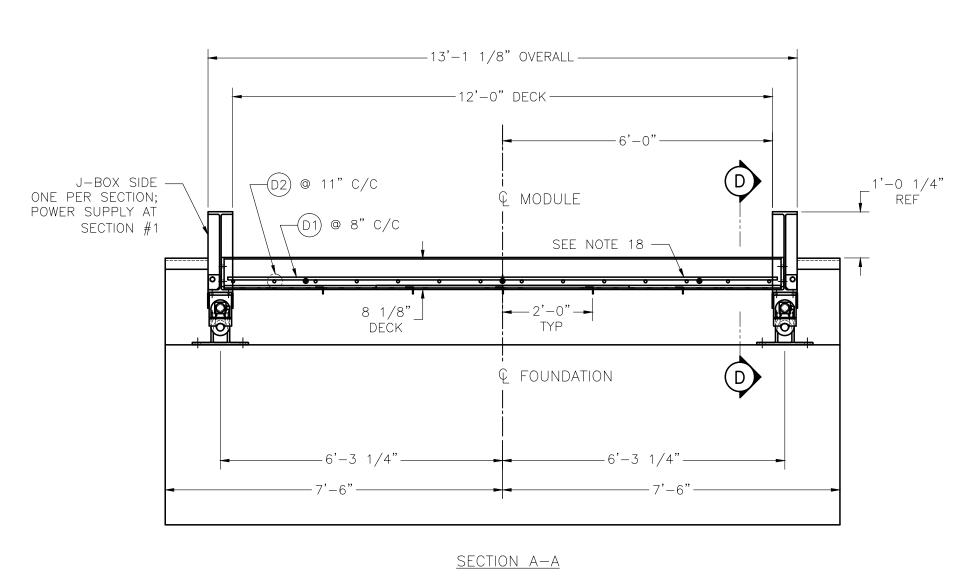
SUFFICIENT TO MAINTAIN 3000 LB/SQ. FT. BEARING CAPACITY.

12. ASSEMBLE THE GIRDERS W/ THE CHECK BLOCK AND PROVISION FOR 2 LC FIRST. LAYOUT GIRDERS & LOOSELY ATTACH CROSSBEAMS. CROSS-SQUARE AND TIGHTEN BOLTS. JACK UP & ATTACH TOP BRACKETS & PIN SEATS TO THE BOTTOM FLANGE OF THE GIRDERS. 13. SET THE LOADCELL ASSY UNDER THE PIN SEATS OF THE BASE MODULE.

14. ASSEMBLE REMAINING MODULES BUILDING FROM THE BASE MODULE. PLACE NEXT PAIR OF GIRDERS ON STEP PLATE OF BASE MODULE & ON LOADCELL ASSY. INSTALL THE MODULE CONNECTION BOLTS THROUGH THE CONNECTION JOINT. LOOSELY ATTACH CROSSBEAMS. REPEAT UNTIL ALL MODULES ARE BUILT. 15. CHECK SQUARENESS OF THE SCALE & ADJUST IF NECESSARY TO BRING INTO SQUARE. MAINTAIN EQUAL DISTANCE TO PIT WALL AT EACH END. 16. TIGHTEN ALL CROSSBEAM BOLTS ONE—HALF TURN PAST SNUG. TIGHTEN ALL MODULE CONNECTION BOLTS. SET LONGITUDINAL CHECK BOLTS. ANCHOR STANDS AFTER LOADCELL ASSY PLUMB.

<u>DECK REINFORCEMENT</u>

17. TO PREVENT PAN FROM SAGGING WHILE POURING, ADDITIONAL SHORING SUPPORT BENEATH THE CORRUGATED PAN IS REQUIRED. THURMAN OFFERS OPTION SHORING KIT FOR THIS PURPOSE 18. CORREGATED PAN SHOULD HAVE THE FOLLOWING MINIMUM SPECIFICATIONS: THICKNESS: 24 GAUGE MIN, PITCH: 2 1/2", HEIGHT: 5/8" MAX CUT TO LENGTH: 7'-0" X 2'-6" 19. IF SUPPLIED WITH OPTIONAL REBAR MAT, TIE ABOVE STUDS. IF REINFORCEMENT SUPPLIED BY OTHERS, FOLLOW REBAR SCHEDULE



THIS DRAWING IS SUPPLIED AS CHECKED BELOW: REV | BY REFERENCE (ESTIMATES ONLY, NOT FOR CONSTRUCTION) CERTIFIED FOR CONSTRUCTION, THURMAN SERIAL# CUSTOMER:

DATE:

DESCRIPTION DATE JCR 3/31/2015 UPDATED TITLE BLOCK, DRAFTING STANDARDS, BEAM SIZES, & ADDED OVERALL WIDTH DIMENSION TO SECTION A—A LE LA COLLAGE AND LOSS OTHERWISE SPECIFIED.

- DIMENSIONS IN INCHES, AND TOLERANCES ARE AS FOLLOWS:

AL FRACTIONS ±1/8'
ANGLES ±1'
E, 3-PLACE DECIMAL ±0.005
2-PLACE DECIMAL ±0.05
HOLE DIAMETERS ±1/32' 8530KD 90K CLC 40' x 12' FOUNDATION DRAWING (FOOTINGS) PRIVILEDGED AND CONFIDENTIAL PROPERTY OF THURMAN SCALE. DO NOT USE, COPY, DISCLOSE, TRANSFER, OR REPRODUCE WITHOUT WRITTEN PRIMISSION. THURMAN SCALE ASSUMES NO RESPONSIBILITY ALTERATIONS TO THIS DOCUMENT AFTER ORIGINAL TRANSMISSION. 3 SECTION, DESB LOAD CELL

REVISIONS

STATE OF IOWA COMPLIANT

CUSTOMER P.O.# CUSTOMER APPROVAL, RETURN ONE COPY. (ORDER ON HOLD UNTIL SIGNED COPY IS RETURNED) APPROVED AS DRAWN, APPROVED BY: DATE:

APPROVED AS NOTED, APPROVED BY:

**EDTHURMAN** SCALE: VARIES DRAWN:JCR CHECKED: SHEET: 1 OF 1 DATE: 05/04/11 APPROVED: 92462-FT-IA

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