

∕─ 30-HR3 @12" TYP.

TYPICAL SIDE ELEVATION OF SCALE INSTALLATION

∠ 7−HR2 @6" TYP.

TOP MOUNT BRACKET - ½" LOCKWASHER - %"-13 x 3" HHCS (2) NOMINAL 1/8" SHIM -PIN SEAT (2) - LOADCELL PIN TOP OF PIER - LOADCELL LINK LOAD CELL ASSEMBLY END SECTION W/ CHECKING DETAIL 34" LOCK WASHER -¾"-10 HEX NUT - $\sim \frac{3}{4}$ "-10 x 3" HHCS TOP OF DECK LOAD CELL ASSEMBLY INTERIOR SECTION (4 FASTENERS PER CONNECTION)

/ 1 ½"−7 HEX NUT

 $- 1 \%" - 7 \times 8" \text{ HHCS}$ 

TOP OF DECK

 $\frac{1}{2}$ "-13 x 2  $\frac{1}{2}$ " HHCS (4)

%" LOCK WASHER

DESB LOADCELL

- ½" FLATWASHER

3/4" FLATWASHER

- 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 OPTIONAL SHORING KIT ----CORRUGATE 5/8" MAX HEIGHT 24 — OPTIONAL WELDED WIRE MAT AVAILABLE FROM THURMAN "DROP IN" STEEL ANGLES GAUGE MIN. THICKNESS OPTIONAL AVAILABLE FROM THURMAN CORRUGATE KIT AVAILABLE FROM THURMAN (SEE NOTE 18) (5 EA BAY)

END APPROACH

1/16" MIN GAP 1/8" MAX GAP

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.

FOUNDATION CONCRETE	
4000 PSI MINIMUM	
LOCATION	QTY (CU. YDS)
PIERS AS SHOWN	9
FLOOR AT 2" THICK	3
APPROACHES	10
MODULES	12.5
TOTAL CONCRETE	34.5 CU. YDS.

MODULE REINFORCING SCHEDULE ASTM 615 - GRADE 60 MARK | QTY | SIZE | LENGTH | WEIGHT (LBS) | REMARKS (7) EA. BAY, PERPENDICULAR 56 #6 | 12'-3" 1031

6-HR2 TYP.

15-VR1 -

- REMOVE TOP SOIL.

- SOIL

END SECTION

NOTE: THE SUBGRADE MUST BE FIRM AND UNYIELDING. COMPACT IF NECESSARY.

BACKFILL WITHE THE BEST AVAILABLE

MATERIAL. AGGREGATE PREFERRED.

(SEE NOTE #1)

@12" TYP.

D2 112 #6 758 (14) EA. BAY, PARALLEL T 4'-6" 1,789 TOTAL WEIGHT FOUNDATION REINFORCING ASTM 615 - GRA MARK | QTY | SIZE | LENGTH | WEIGHT (LBS) REMARKS EA. APPROACH 9'-6" HR2 83 #4 14'-6" 804 16) EA. APPROACH; (17) EA. PIER TOP & BTM. (30) EA. PIER TOP & BTM. HR3 #4 3'-0" 90 #4 (30) EA. END WALL VERT. VR1 60 3'-0" 121 TOTAL WEIGHT 1,297

REINFORCING STEEL NOTES:

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

6'-2 1/4" REF — ► ECK PLATE CAST Гтүр TO END WALL (FLUSH) FOUNDATION LONGITUDINAL BUMP CHECK LOCATION

3" MAY VARY ±3"

TO SUIT LOCAL

REQUIREMENTS

BOLT APPROACH COPING AND — - APPROACH COPING CHECK PLATES TO FORMS.  $3" \times 3" \times \frac{1}{4}" \times 15' \text{ LG}.$ REMOVE BOLTS WHILE (SUPPLIED WITH SCALE) CONCRETE IS GREEN. 1'-10 1/2" \_2 1/2" PROJ. — CHECK PLATE  $\frac{3}{4}$ " × 6" × 6" (SUPPLIED WITH SCALE) SEE SECTION B-B - 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

. 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 SUFFICIENT TO MAINTAIN 3000 LB/SQ. FT. BEARING CAPACITY. 3. BOTTOM OF FOOTERS SHOULD EXTEND BELOW THE FROST LINE. AN 18 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. DO NOT CAST UNLESS TEMPERATURE IS ABOVE 40 DEGREES FAHRENHEIT.

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 CLOSÉ PROXIMITY OF ANCHOR BOLTS.

9. A MINIMUM OF 24" OF CLEARANCE IS REQUIRED ON JUNCTION BOX SIDE OF THE SCALE NEAR THE BOX

10. CAUTION! THE MAIN GIRDERS SHOULD NEVER BE USED AS A STEP. SLIPPERY WHEN WET.

## 11. POSITION LOAD CELL ASSEMBLIES IN APPROXIMATE LOCATIONS.

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.

1'-1 3/4" CLEARANCE

AT PIERS

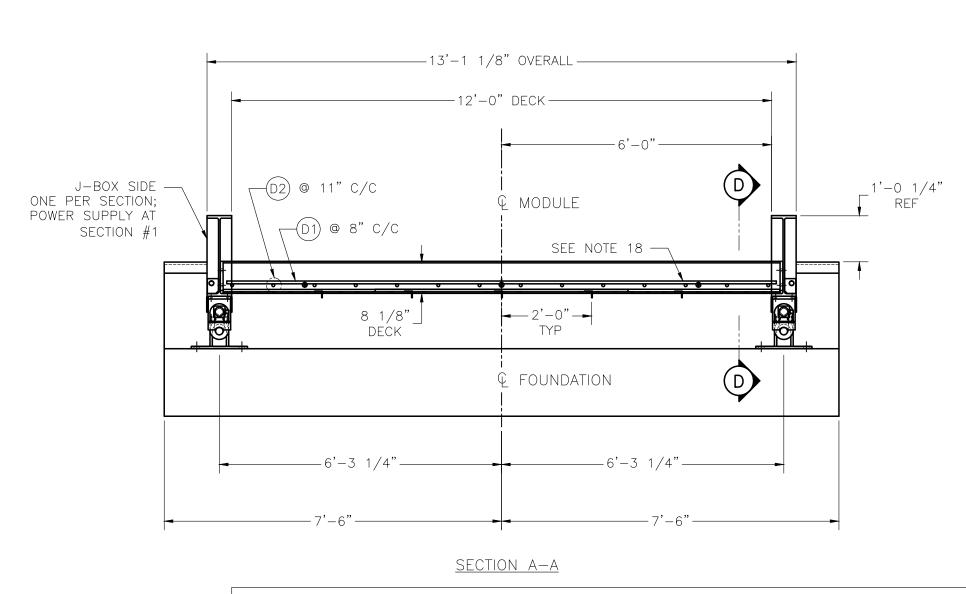
CONCRETE OR ASPHALT BETWEEN PIERS TO FACILITATE CLEANING. A 12" FREE

DRAINING GRAVEL SUB-BASE RECOMMENDED IN AREAS SUBJECT TO FROST HEAVE.

OPTIONAL PAVED SURFACE

(NON-LOAD BEARING)

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" IF SUPPLIED WITH OPTIONAL REBAR MAT, TIE ABOVE STUDS. IF REINFORCEMENT SUPPLIED BY OTHERS, FOLLOW REBAR SCHEDULE 19. POUR CONCRETE. SEE NOTE 5 ABOVE.



MODEL: 8530KD

REVISIONS THIS DRAWING IS SUPPLIED AS CHECKED BELOW: REV BY DATE DESCRIPTION REFERENCE (ESTIMATES ONLY, NOT FOR CONSTRUCTION) CERTIFIED FOR CONSTRUCTION, THURMAN SERIAL# UNLESS OTHERWISE SPECIFIED,
DIMENSIONS IN INCHES, AND
TOLERANCES ARE AS FOLLOWS:
1. FRACTIONS ±1/8"
3. ANGLES ±1"
3. -PLACE DECIMAL ±0.005
2. -PLACE DECIMAL ±0.005
HOLE DIAMETERS ±1/32" CUSTOMER:

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: DATE: JCR 3/31/2015 UPDATED TITLE BLOCK, DRAFTING STANDARDS, BEAM SIZES, & ADDED OVERALL WIDTH DIMENSION TO SECTION A-A 8530KD 90K CLC 40' x 12' FOUNDATION DRAWING (FOOTINGS) 3 SECTION, DESB LOAD CELL SCALE: VARIES DRAWN:JCR CHECKED: SHEET: 1 OF 1 DATE: 05/04/11 APPROVED: 92462-FT