

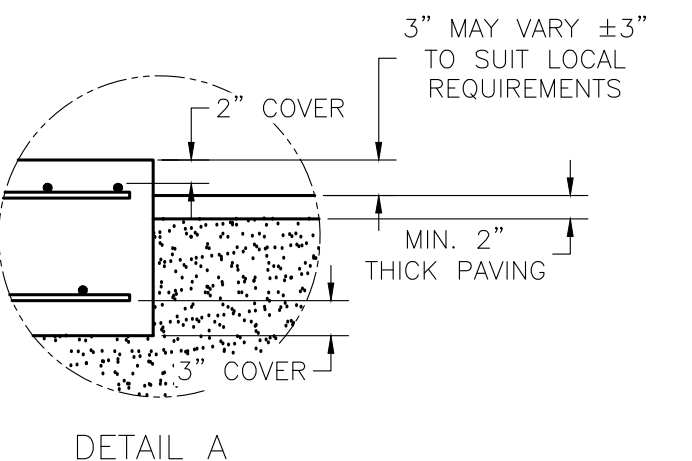
DRILL TYPE ANCHOR INFORMATION (DRILL TYPE ANCHORS PROVIDED WITH THE SCALE)

FOR THE CORNER STANDS (16 REQUIRED)

FOR THE FULCRUM & LC STANDS (10 REQUIRED)

5/8 DIA X 6" STUD TYPE ANCHORS

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



N.I.S.T. H-44 REQUIRES THAT ON THE APPROACH ENDS OF THIS VEHICLE SCALE, THERE SHALL BE A STRAIGHT APPROACH AT LEAST HALF THE LENGTH OF THE PLATFORM, BUT NOT REQUIRED TO BE MORE THAN 40 FEET. NOT LESS THAN 10 FEET OF ANY APPROACH ADJACENT TO THE PLATFORM SHALL BE LEVEL AND CONSTRUCTED OF CONCRETE OR SIMILAR DURABLE MATERIAL. ANY SLOPE IN THE REMAINING PORTION OF THE APPROACH SHALL INSURE EASE OF VEHICLE ACCESS, EASE FOR TESTING PURPOSES, AND DRAINAGE AWAY FROM THE SCALE.

- NOTES:
- 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.
 - 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.
 - BOTTOM OF FOOTERS SHOULD EXTEND BELOW THE FROST LINE. AN 18 INCH FOOTER DEPTH IS MINIMUM.
 - 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.
 - 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.
 - PIERS MUST BE LEVEL AND IN THE SAME PLANE WITHIN ±1/8 INCH.
 - EXCAVATION, FORMS, REINFORCING STEEL, GUARD POSTS, AND CONCRETE FURNISHED BY OTHERS.
 - DO NOT PLACE REBAR IN CLOSE PROXIMITY OF ANCHOR BOLTS.

MODULE REINFORCING SCHEDULE
ASTM 615 - GRADE 60

MODULE	MARK	QTY	SIZE	LENGTH	WEIGHT (LBS)	COMMENT
(2) 25'x11'	D1	52	#4	10'-6"	365	(26) LAT. EA. MODULE
	D2	44	#4	24'-6"	721	(22) LONG. EA. MODULE
30'x11'	D1	31	#4	10'-6"	218	(31) LAT. EA. MODULE
	D2	22	#4	29'-6"	434	(22) LONG. EA. MODULE
TOTAL WEIGHT					1,738	

FOUNDATION REINFORCING SCHEDULE
ASTM 615 - GRADE 60

MARK	QTY	SIZE	LENGTH	WEIGHT (LBS)	COMMENT	
HR1	30	#4	9'-6"	191	LONG. EA. APPROACH	
HR2	96	#4	14'-11"	957	LAT. EA. APPROACH; PIER	
HR3	120	#4	3'-0"	244	LONG. EA. PIER	
HR4	2	#4	10'-0"	14	LONG. DUAL FULCRUM PIER	
HR5	12	#4	1'-4"	11	LAT. EA. FULCRUM PIER	
HR6	6	#4	2'-0"	9	LONG. EA. FULCRUM PIER; LC PIER	
HR7	3	#4	1'-0"	2	LAT. LOAD CELL PIER	
VR1	60	#4	3'-1"	124	VERT. EA. END WALL	
TOTAL WEIGHT					1,549	

FOUNDATION CONCRETE
4000 PSI MINIMUM

LOCATION	QTY (CU. YDS)
PIERS AS SHOWN	13.9
FLOOR AT 2" THICK	6.5
APPROACHES	10.0
MODULES	16.5
OPTIONAL APPROACH SUPPORTS	3.2
TOTAL CONCRETE	50.1

CONCRETE POURING & FINISHING INSTRUCTIONS FOR SCALE DECK:

- FINISH THE CONCRETE DECK WITH A BULL FLOAT AND HAND TROWEL OR BROOM TO THE DESIRED FINISH.
- THE CONCRETE IS TO BE MOIST CURED FOR SEVEN DAYS OR MAY ALTERNATIVELY RECEIVE A COAT OF LIQUID CURING COMPOUND.
- DO NOT USE OR CALIBRATE THE SCALE UNTIL THE DECK IS CURED AND HAS REACHED 4000 PSI MINIMUM COMPRESSIVE STRENGTH.

REINFORCING STEEL NOTES:

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

THIS DRAWING IS SUPPLIED AS CHECKED BELOW:

REFERENCE (ESTIMATES ONLY, NOT FOR CONSTRUCTION)

CERTIFIED FOR CONSTRUCTION, THURMAN SERIAL#

CUSTOMER: _____ DATE: _____

CUSTOMER P.O.# _____ DATE: _____

CUSTOMER APPROVAL, RETURN ONE COPY.

(ORDER ON HOLD UNTIL SIGNED COPY IS RETURNED)

APPROVED AS DRAWING, APPROVED BY: _____ DATE: _____

APPROVED AS NOTED, APPROVED BY: _____ DATE: _____

REVISIONS

REV	BY	DATE	DESCRIPTION
2	JCR	5/21/2015	UPDATED ANCHOR LOCATIONS FOR LARGER CORNER STANDS (8" WAS 6")
1	JCR	3/20/2015	CHANGED TO TWO 25' SPANS (WAS TWO 30' SPANS); UPDATED CONCRETE/REBAR SCHEDULES

8130 90K 80'x11' (PIER TYPE FOUNDATION, 4 SEC)

SCALE: NTS DRAWN: JCR CHECKED: _____

SHEET: 1 OF 1 DATE: 01/20/12 APPROVED: _____

DRAWING NUMBER: 92668-FT REV: 2

THURMAN SCALE