



TYPICAL SIDE ELEVATION OF SCALE INSTALLATION

- 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 AND BE POURED MONOLITHICALLY WITH THE 10 FT. APPROACHES AND OPTIONAL SLAB OR OPTIONAL APPROACH SUPPORTS. A 18 INCH FOOTER DEPTH IS MINIMUM.
 - REINFORCING STEEL IS TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS.
 - CONCRETE OF 4000 PSI MINIMUM COMPRESSIVE STRENGTH IS REQUIRED FOR FOUNDATION. VIBRATE CONCRETE WHEN POURING. FOLLOW AMERICAN CONCRETE INSTITUTE (ACI) REQUIREMENTS FOR MATERIALS AND CONSTRUCTION.
 - PIERS MUST BE LEVEL AND IN THE SAME PLANE WITHIN ±1/8 INCH.
 - EXCAVATION, FORMS, REINFORCING STEEL, GUARD POSTS, APPROACH COPING, ANCHOR BOLTS, AND CONCRETE FURNISHED BY OTHERS.
 - ANCHOR BOLTS MAY EITHER BE POURED IN PLACE, OR DRILLED (SECTION D-D). DO NOT PLACE REBAR IN CLOSE PROXIMITY OF ANCHOR BOLTS.
 - FOUNDATION REQUIREMENTS VARY FROM STATE TO STATE. CHECK WITH LOCAL WEIGHTS AND MEASURES DIVISION BEFORE CONSTRUCTION.
 - FOR WEIGHBRIDGE DECK REBAR PLACEMENT AND CONCRETE REQUIREMENTS, SEE DECK ASSEMBLY DRAWING NUMBER 10089230A.
 - LEVER COVER BRACKETS (OPTIONAL) ARE RECOMMENDED. A MINIMUM OF (8) BRACKETS ARE REQUIRED FOR A 70' SCALE. BRACKETS MOUNT TO PIERS USING (2) 3/4" ANCHORS (DRILL TYPE, USING BRACKET AS TEMPLATE IS RECOMMENDED).

APPROX. EXCAVATION W/O OPTIONS		95 CU. YDS.
CONCRETE	PIERS (*)	12 1/2 CU. YDS.
	APPROACHES/WALLS	12 1/2 CU. YDS.
	OPTIONAL SLAB	17 CU. YDS.
	OPTIONAL APPROACH SUPPORT	2 1/2 CU. YDS.

(*) PIERS CONCRETE QUANTITY IS CALCULATED FOR 18 INCH FOOTER DEPTH.

REBAR PLACEMENT SCHEDULE					
SYM.	QTY.	SIZE	LENGTH	TOTAL WT.	REMARKS
S1	60	#4	9'-6	381 LBS.	(30)EACH APPROACH TOP & BTM
S2	40	#4	14'-9	394 LBS.	(20)EACH APPROACH TOP & BTM
S3	60	#4	2'-9	110 LBS.	(30)EACH END WALL VERT
S4	22	#6	14'-9	487 LBS.	(5)END PIERS (6)CENTER PIERS
S5	30	#4	2'-0	40 LBS.	(15)EACH CENTER PIER
S6	2	#4	5'-0	7 LBS.	FULCRUM PIER
S7	13	#4	2'-0	18 LBS.	FULCRUM PIER
S8	30	#4	2'-9	55 LBS.	(15)EACH END PIER
S9	4	#4	2'-6	7 LBS.	FULCRUM PIER
S10	3	#4	7'-6	15 LBS.	WEIGHBEAM/LC PIER
S11	8	#4	1'-0	6 LBS.	WEIGHBEAM/LC PIER
S12	8	#4	14'-9	79 LBS.	(4)EACH END WALL
TOTAL REBAR WEIGHT				1,599 LBS.	

DRILLED ANCHOR	
RECOMMENDED MANUFACTURER	
ANCHORS	HILTI #HDI 3/4 IN. USE WITH 3/4 X 6 HEX. BOLTS. DRILL DIA. 1, DEPTH 6.
STUDS	PHILLIPS DRILL (RED HEAD) #WS 3484 DRILL DIA. 3/4, DRILL DEPTH 6.

NO.	DATE	BY	REVISION (SEE CHANGE NOTE DRAWING LISTED)
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES			
TOLERANCES (UNLESS OTHERWISE SPECIFIED)			
DECIMAL	FRACTIONAL	ANGULAR	THIRD ANGLE PROJECTION
SCALE	DO NOT SCALE DRAWING	NONE	

THURMAN SCALE

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TITLE MODEL 8130 45K DUAL AXLE RATING
70' X 10' FOUNDATION (SPECIAL HEIGHTS)

DATE: 03/31/95
DRAWING NUMBER: A50227
DRAWN BY: HAWKINS

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