

**NOTES:**

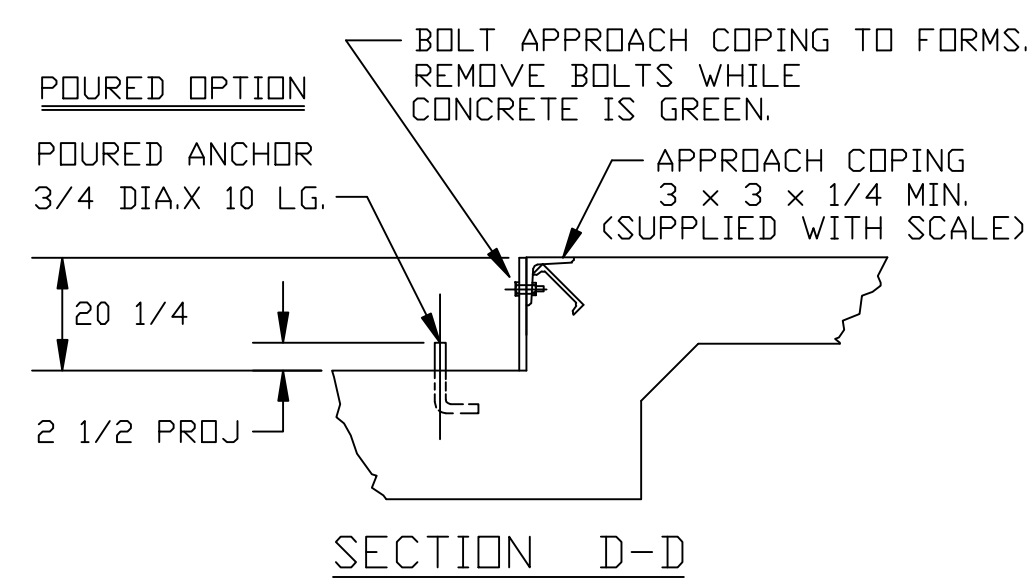
- FOUNDATION DESIGN IS BASED ON A MINIMUM SOIL BEARING CAPACITY OF 3000 LB/SQ. FT. FOR SOIL CONDITIONS WHICH DO NOT MEET THIS SPECIFICATION, CONSULT WITH THE THURMAN SCALE COMPANY.
- THE FOUNDATION SHALL BE INSTALLED AT AN ELEVATION AND LOCATION TO INSURE ADEQUATE DRAINAGE AWAY FROM SCALE. A PERIMETER 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.
- SCALE DECK IS SUPPLIED WITH REBAR GRID IN PLACE, READY TO POUR CONCRETE (APPROX. 15 CU.YDS. REQUIRED). CONCRETE OF 4000 PSI MIN. COMPRESSIVE STRENGTH WITH AIR ENTRAINMENT OF 6% +/- 1 1/2% IF SUBJECT TO FREEZE/THAW CYCLES. CONSOLIDATE CONCRETE INTO PLACE BY VIBRATING.
- LEVER COVER BRACKETS (OPTIONAL) ARE RECOMMENDED. A MINIMUM OF (8) BRACKETS ARE REQUIRED FOR A 70' SCALE. BRACKETS MOUNT TO PIERS USING (2) ANCHORS (DRILL TYPE, USING BRACKET AS TEMPLATE IS RECOMMENDED).

**TYPICAL SIDE ELEVATION OF SCALE INSTALLATION**

APPROX. EXCAVATION W/O OPTIONS		90 CU. YDS.
CONCRETE	PIERS (*)	13 1/2 CU. YDS.
	APPROACHES/WALLS	13 1/2 CU. YDS.
	OPTIONAL SLAB	18 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	64	#4	9'-6	406 LBS.	(32)EACH APPROACH TOP & BTM
S2	40	#4	15'-9	421 LBS.	(20)EACH APPROACH TOP & BTM
S3	64	#4	2'-6	107 LBS.	(32)EACH END WALL VERT
S4	22	#6	15'-9	520 LBS.	(5)END PIERS (6)CENTER PIERS
S5	32	#4	2'-0	43 LBS.	(16)EACH CENTER PIER
S6	2	#4	5'-0	7 LBS.	FULCRUM PIER
S7	13	#4	2'-0	18 LBS.	FULCRUM PIER
S8	32	#4	2'-9	55 LBS.	(16)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	15'-9	84 LBS.	(4)EACH END WALL
TOTAL REBAR WEIGHT				1,706 LBS.	



DRILLED TYPE ANCHOR INFORMATION	
5/8 X 6" STUD TYPE ANCHORS	
DRILL DIA. 5/8", DRILL DEPTH 3 1/2".	
(DRILL TYPE ANCHORS ARE PROVIDED WITH THE SCALE)	

**THIS DRAWING IS SUPPLIED AS CHECKED BELOW:**

- REFERENCE (ESTIMATES ONLY, NOT FOR CONSTRUCTION)
  - CERTIFIED FOR CONSTRUCTION, THURMAN#
  - CUSTOMER: \_\_\_\_\_
  - CUSTOMER P.O.# \_\_\_\_\_ DATE: \_\_\_\_\_
  - 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: \_\_\_\_\_
- TOLERANCES (UNLESS OTHERWISE SPECIFIED) ± 1/8"
- DIMENSIONS ARE IN INCHES (UNLESS OTHERWISE SPECIFIED)
- THIRD ANGLE PROJECTION

**THURMAN**  
scale

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TITLE: 8130 55K CLC 70' X 11' FOUNDATION (4 SECT. READY TO POUR)

DRAWING NUMBER: 70071-FT

REV: 0