

NOTES:

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 SUFFICIENT TO MAINTAIN 3000 LB/SQ. FT. BEARING CAPACITY.
3. 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.
4. 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.
5. PIERS MUST BE LEVEL AND IN THE SAME PLANE WITHIN ±1/8 INCH.
6. EXCAVATION, FORMS, REINFORCING STEEL, GUARD POSTS, APPROACH COPING, ANCHOR BOLTS, AND CONCRETE FURNISHED BY OTHERS.
7. ANCHOR BOLTS MAY EITHER BE POURED IN PLACE, OR DRILLED (SECTION D-D). DO NOT PLACE REBAR IN CLOSE PROXIMITY OF ANCHOR BOLTS.
8. FOUNDATION REQUIREMENTS VARY FROM STATE TO STATE. CHECK WITH LOCAL WEIGHTS AND MEASURES DIVISION BEFORE CONSTRUCTION.
9. SCALE DECK IS SUPPLIED WITH REBAR GRID IN PLACE. READY TO POUR CONCRETE (APPROX. 16 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.
11. 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

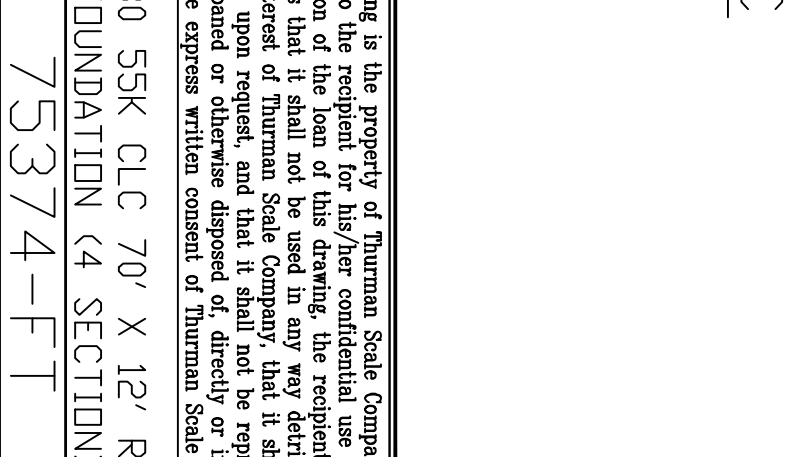
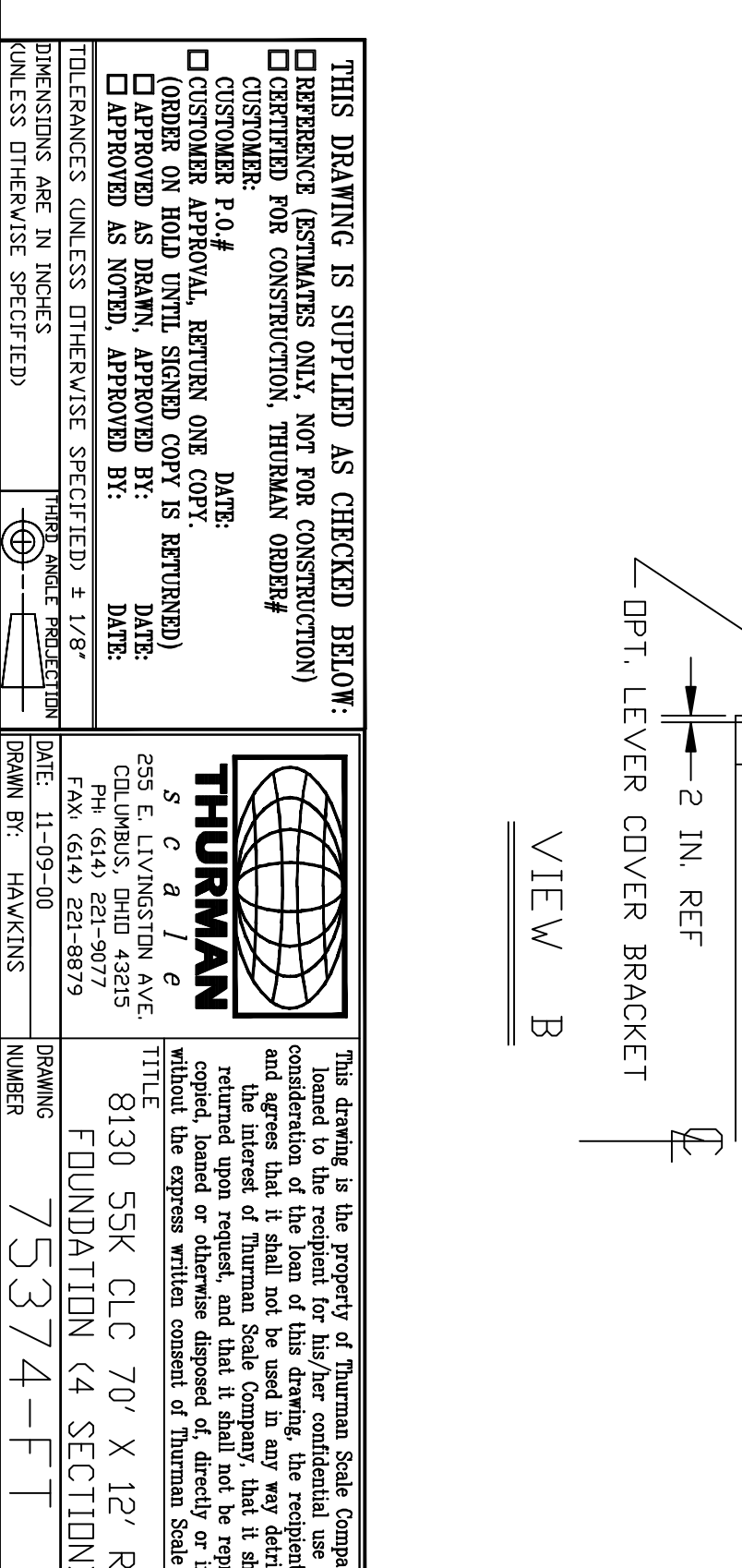
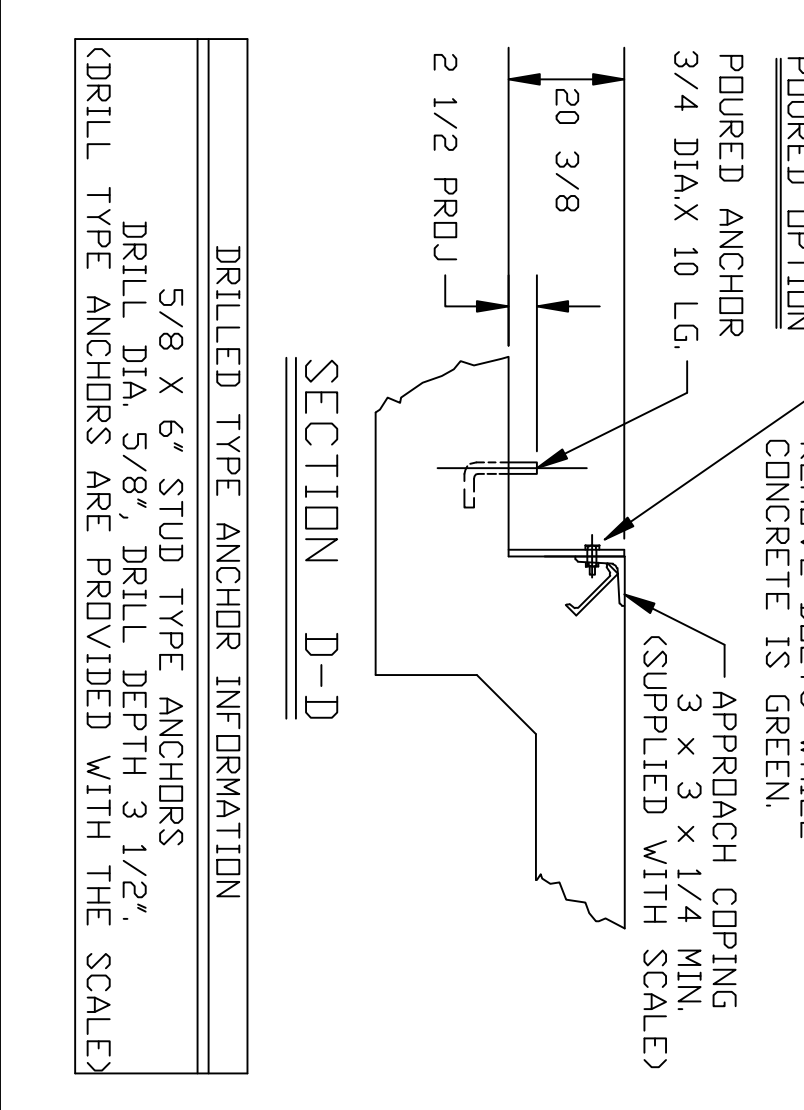
SYM.	QTY.	SIZE	LENGTH	TOTAL WT.	REMARKS
S1	68	#4	9'-6"	432 LBS.	(34) EACH APPROACH TOP & BTM
S2	40	#4	16'-9"	448 LBS.	(20) EACH APPROACH TOP & BTM
S3	68	#4	2'-6"	114 LBS.	(34) EACH END WALL VERT
S4	32	#6	16'-9"	554 LBS.	(5) END PIERS (6) CENTER PIERS
S5	34	#4	2'-0"	46 LBS.	(17) EACH CENTER PIER
S6	2	#4	5'-0"	7 LBS.	FULCRUM PIER
S7	13	#4	2'-0"	18 LBS.	FULCRUM PIER
S8	34	#4	2'-9"	63 LBS.	(17) 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	16'-9"	90 LBS.	(4) EACH END WALL

REBAR PLACEMENT SCHEDULE

- APPROX. EXCAVATION W/O OPTIONS 85 CU. YDS.
 APPROX. EXCAVATION W/O OPTIONS 14 CU. YDS.
 APPROX. EXCAVATION W/O OPTIONS 14 CU. YDS.
 APPROX. EXCAVATION W/O OPTIONS 19 1/2 CU. YDS.
- CONCRETE
 APPROACHES/WALLS 19 1/2 CU. YDS.
 OPTIONAL SLAB 19 1/2 CU. YDS.
 OPTIONAL APPROACH SUPPORT 3 CU. YDS.
- (*) PIERS CONCRETE QUANTITY IS CALCULATED FOR 18 INCH FOOTER DEPTH.

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THIS DRAWING IS SUPPLIED AS CHECKED BELOW:

DATE: _____

THURMAN SCALE COMPANY

8130 55K CLC 70' X 12' RTP

FOUNDATION (4 SECTION)

75374-FT

REVISIONS

REV	DESCRIPTION
0	ISSUED FOR CONSTRUCTION