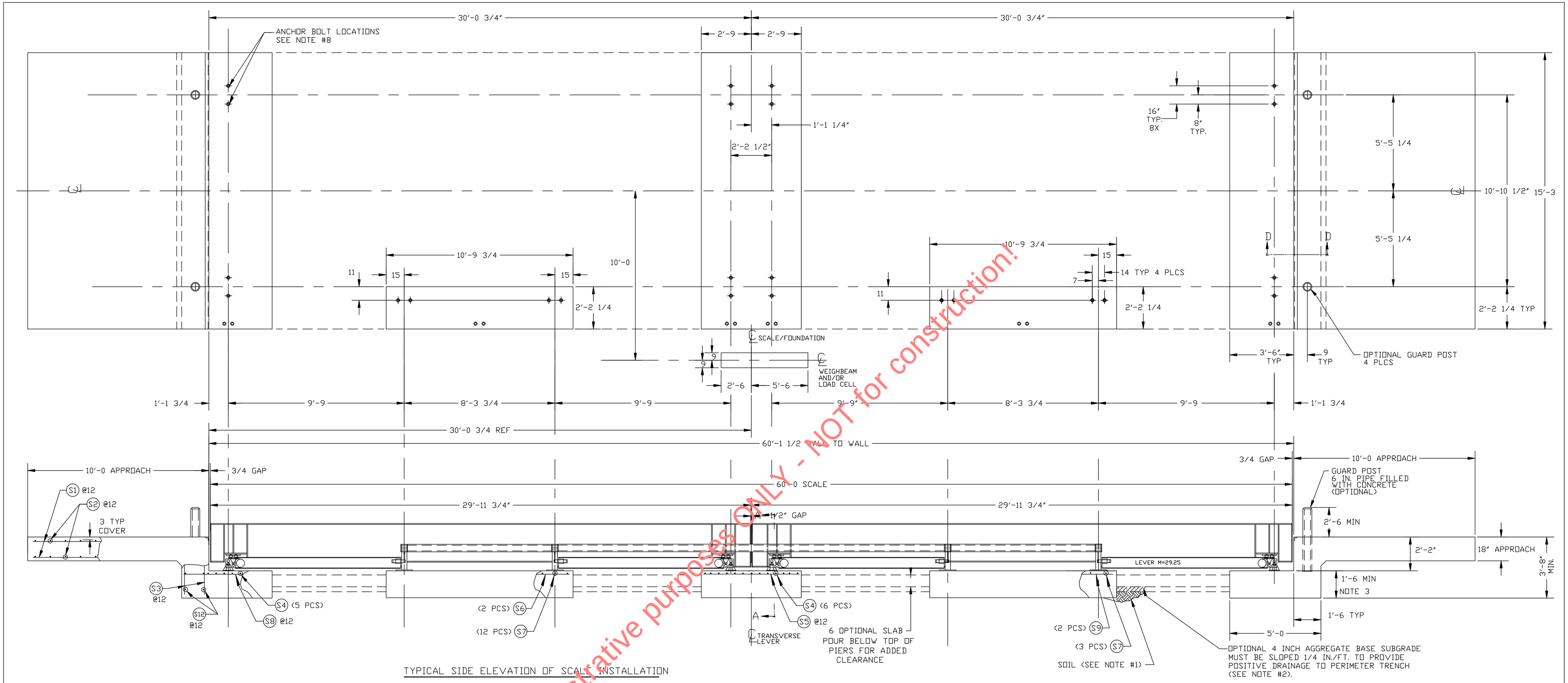


TYPICAL SIDE ELEVATION OF SCALE INSTALLATION

For illustrative purposes ONLY - NOT for construction!

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. APROACHES AND OPTIONAL SLAB OR OPTIONAL APPROACH SUPPORTS. A 18 INCH FOOTER DEPTH IS MINIMUM.
4. REINFORCING STEEL IS TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS.
5. 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.
6. PIERS MUST BE LEVEL AND IN THE SAME PLANE WITHIN ±1/8 INCH.
7. EXCAVATION, FORMS, REINFORCING STEEL, GUARD POSTS, APPROACH COPING, ANCHOR BOLTS, AND CONCRETE FURNISHED BY OTHERS.
8. ANCHOR BOLTS MAY EITHER BE POURED IN PLACE, OR DRILLED (SECTION D-D). DO NOT PLACE REBAR IN CLOSE PROXIMITY OF ANCHOR BOLTS.
9. FOUNDATION REQUIREMENTS VARY FROM STATE TO STATE. CHECK WITH LOCAL WEIGHTS AND MEASURES DIVISION BEFORE CONSTRUCTION.
10. LEVER COVER BRACKETS (OPTIONAL) ARE RECOMMENDED. A MINIMUM OF (6) BRACKETS ARE REQUIRED FOR A 60' SCALE. BRACKETS MOUNT TO PIERS USING (2) 3/4" ANCHORS (DRILL TYPE, USING BRACKET AS TEMPLATE IS RECOMMENDED).

APPROX. EXCAVATION W/O OPTIONS		80 CU. YDS.
CONCRETE	FOOTER PIERS (*)	15 CU. YDS.
	APPROACHES/WALLS	18 CU. YDS.
	OPTIONAL SLAB	12 CU. YDS.

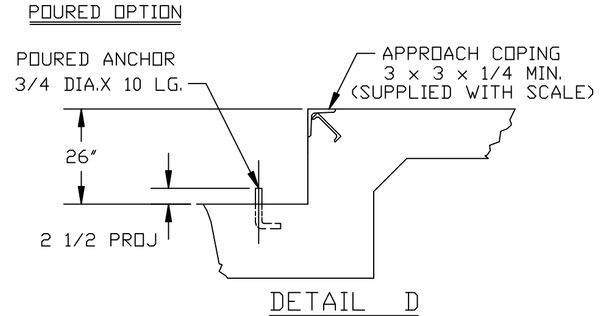
(*) PIERS CONCRETE QUANTITY IS CALCULATED FOR 18 INCH FOOTER DEPTH.

REBAR PLACEMENT SCHEDULE

SYM.	QTY.	SIZE	LENGTH	TOTAL WT.	REMARKS
S1	60	#5	9'-6	595 LBS.	(30)EACH APPROACH TOP & BTM
S2	40	#5	14'-9	615 LBS.	(20)EACH APPROACH TOP & BTM
S3	60	#5	3'-0	188 LBS.	(30)EACH END WALL VERT
S4	33	#6	14'-9	731 LBS.	(11)EACH PIER
S5	15	#4	5'-0	50 LBS.	(15)IN CENTER PIER
S6	4	#4	10'-0	28 LBS.	(2) EACH FULCRUM PIER
S7	30	#4	2'-0	40 LBS.	(15) EACH FULCRUM PIER
S8	30	#4	4'-6	90 LBS.	(15)EACH END PIER
S10	6	#4	7'-6	30 LBS.	WEIGHBEAM/LC PIERS
S11	16	#4	1'-0	12 LBS.	WEIGHBEAM/LC PIERS
S12	12	#5	14'-9	184 LBS.	(6) EACH END WALL

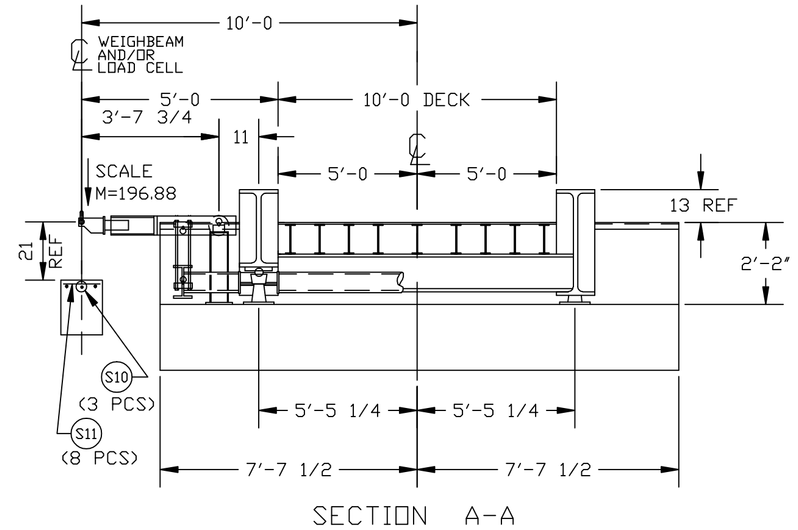
TOTAL REBAR WEIGHT 2,563 LBS.

POURED OPTION



DETAIL D

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)



SECTION A-A

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
255 E. LIVINGSTON AVE.
COLUMBUS, OHIO 43215
PH: (614) 221-9077
FAX: (614) 221-8879

DATE: 01-17-03
DRAWN BY: HAWKINS

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TITLE: 8140 120K CLC 60'X10' FOUNDATION
4 SECTION, 8" PIPE LEVERS

DRAWING NUMBER: 92039-FT
REV: 0