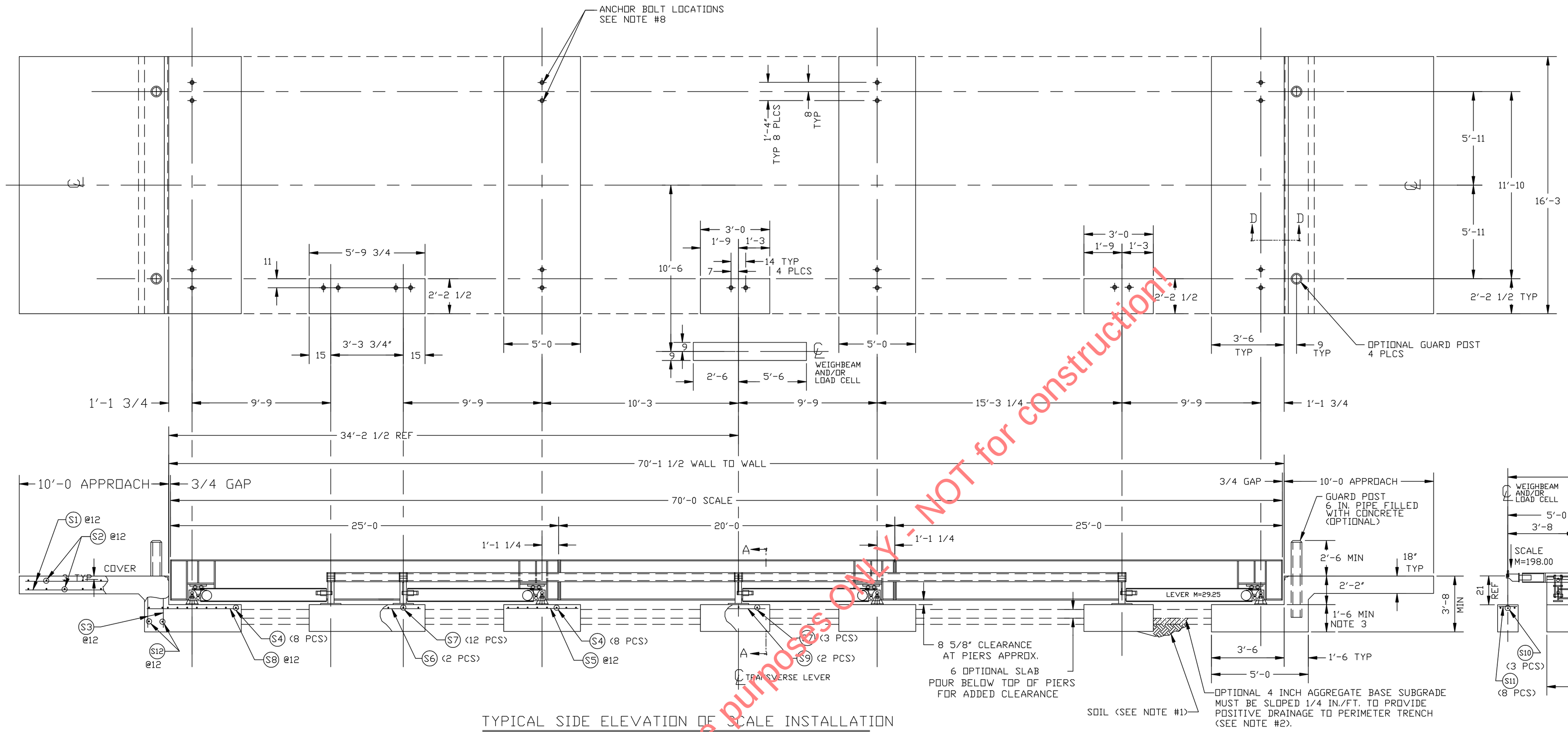
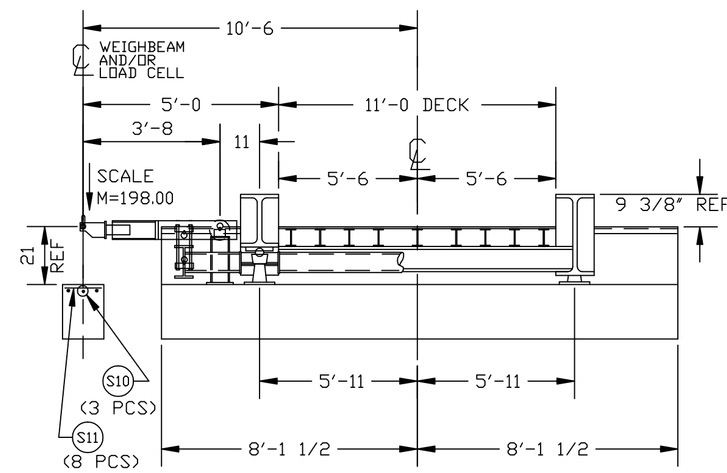


TYPICAL SIDE ELEVATION OF SCALE INSTALLATION



SECTION A-A

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, 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.

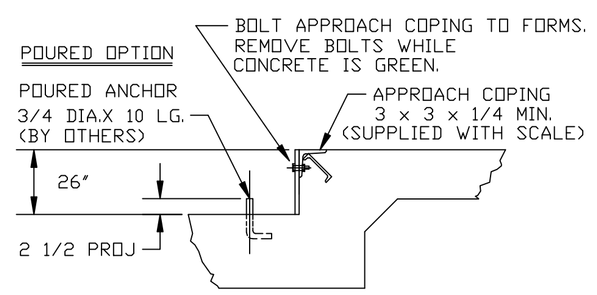
APPROX EXCAVATION W/O OPTIONS		130 CU. YDS.
CONCRETE	PIERS (*)	20 CU. YDS.
	APPROACHES/WALLS	20 CU. YDS.
	OPTIONAL SLAB	16 CU. YDS.

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

REBAR PLACEMENT SCHEDULE

SYM.	QTY.	SIZE	LENGTH	TOTAL WT.	REMARKS
S1	64	#5	9'-6	634 LBS.	(32)EACH APPROACH TOP & BTM
S2	40	#5	15'-9	656 LBS.	(20)EACH APPROACH TOP & BTM
S3	64	#5	3'-0	200 LBS.	(32)EACH END WALL VERT
S4	40	#6	15'-9	946 LBS.	(10) EACH PIER
S5	32	#4	4'-6	96 LBS.	(16)EACH CENTER PIER
S6	2	#4	5'-0	7 LBS.	FULCRUM PIER
S7	18	#4	2'-0	24 LBS.	FULCRUM PIER
S8	32	#4	4'-6	96 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	12	#5	15'-9	197 LBS.	(6)EACH END WALL

TOTAL REBAR WEIGHT 2,884 LBS.



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)

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
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TITLE: 8140 120K 70' X 11' FOUNDATION 4 SECTION, 8" PIPE LEVERS

DATE: 07-18-05
DRAWN BY: HAWKINS
DRAWING NUMBER: 92043-FT
REV: 1