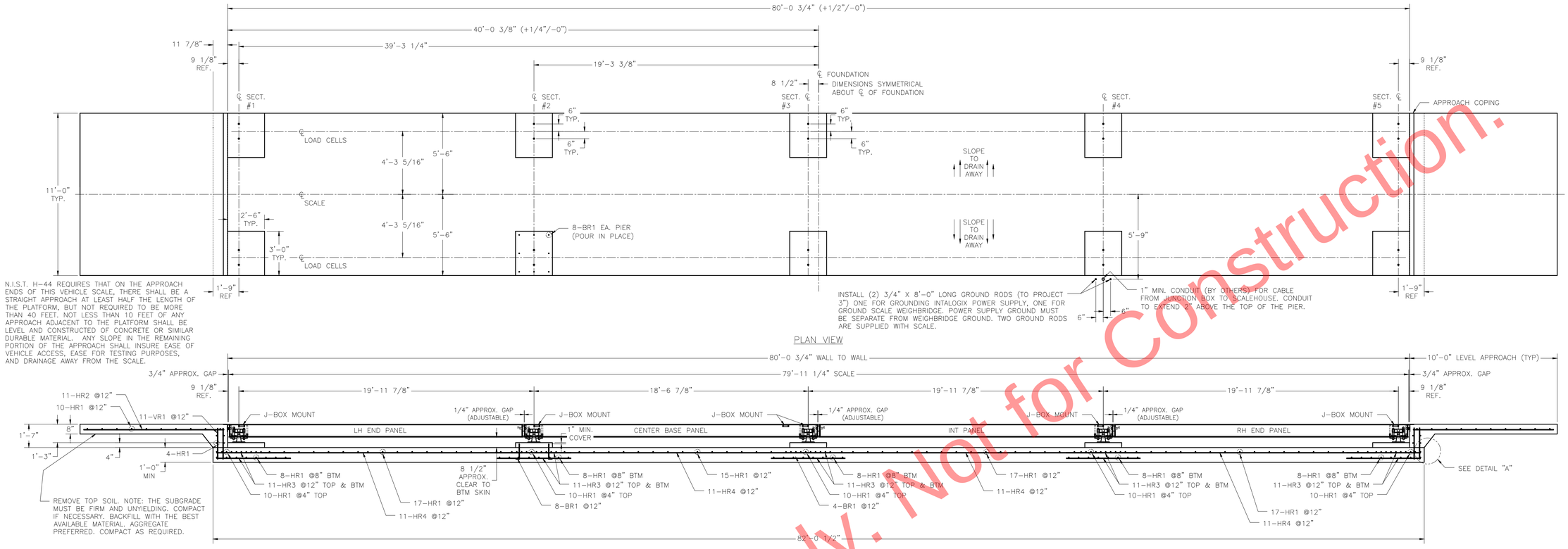


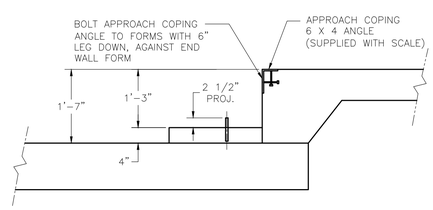
PLAN VIEW

ELEVATION SECTION

FOUNDATION CONCRETE 4000 PSI MINIMUM	
LOCATION	QTY (CU. YDS)
PIERS	1
SLAB	33.5
APPROACHES	7
TOTAL CONCRETE	41.5

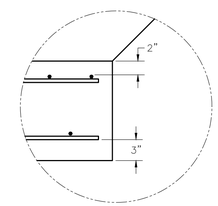
FOUNDATION REINFORCING SCHEDULE
ASTM 615 – GRADE 60

MARK	QTY	SIZE	A	B	LENGTH	WEIGHT (LBS)	REMARKS
HR1	184	#4			10'-6"	1291	LATERAL IN MULTIPLE LOCATIONS
HR2	22	#4			9'-6"	140	LONGITUDINAL IN APPROACH (11/EA)
HR3	110	#4			5'-0"	368	LONGITUDINAL TOP & BTM FACE UNDER SECTIONS (11/EA)
HR4	44	#4			18'-0"	529	LONGITUDINAL IN SLAB BETWEEN SECTIONS (11/EA)
VR1	44	#4			2'-1"	62	VERTICAL IN END WALL
BR1	80	#4	1'-0"	0'-3"	1'-3"	67	VERTICAL IN EACH PIER
					TOTAL WEIGHT	2,457	



DRILL TYPE ANCHOR INFORMATION (DRILL TYPE ANCHORS PROVIDED WITH THE SCALE)
FOR THE LC STANDS (20 REQUIRED) 5/8 DIA X 6" STUD TYPE ANCHORS DRILL DIA 5/8", DRILL DEPTH 3 1/2"

ANCHOR DETAIL



DETAIL "A"

CONCRETE POURING & FINISHING INSTRUCTIONS FOR SCALE DECK:

1. REFER TO SCALE INSTALLATION MANUAL PRIOR TO SETTING SCALE PANELS.
2. MASK THE GAPS BETWEEN MODULES WITH DUCT TAPE. MASK INNER END OF COUPLING NUTS.
3. POUR CONCRETE IN EACH MODULE. USE 4000 PSI CONCRETE MINIMUM. 5%–7% AIR ENTRAINMENT. APPROX. 24 CU. YD. OF CONCRETE REQD. FOR SCALE DECK. NOTE: DO NOT CAST UNLESS TEMPERATURE IS ABOVE 40 DEGREES FAHRENHEIT. CONSOLIDATE CONCRETE BY USE OF A VIBRATOR TO ASSURE A THOROUGH FILL.
4. FINISH THE CONCRETE DECK WITH A BULL FLOAT AND HAND TROWEL OR BROOM TO THE DESIRED FINISH.
5. REMOVE DUCT TAPE AND CLEAN THE EXCESS CONCRETE FROM THE SIDES OF THE SCALE.
6. THE CONCRETE IS TO BE MOIST CURED FOR SEVEN DAYS OR MAY ALTERNATIVELY RECEIVE A COAT OF LIQUID CURING COMPOUND.
7. DO NOT USE OR CALIBRATE THE SCALE UNTIL THE DECK IS CURED AND HAS REACHED 4000 PSI MINIMUM COMPRESSIVE STRENGTH.

NOTES:

1. FOUNDATION SHOWN IS DESIGNED FOR SOILS WITH A MINIMUM BEARING CAPACITY OF 2000 PSF AND ADEQUATE DRAINAGE. IF SOIL CONDITIONS DO NOT MEET THESE REQUIREMENTS, ADJUST FOUNDATION OR SOIL CONDITIONS AS REQUIRED.
2. IN AREAS OF THE COUNTRY WHERE THERE IS SEVERE FREEZING, INCREASE THE DEPTH OF THE FOUNDATION SO THAT THE BOTTOM EXTENDS BELOW THE FROST LINE, OR PROVIDE A MINIMUM OF 12" FREE DRAINING GRANULAR MATERIAL TO PREVENT FROST HEAVE.
3. N.I.S.T. H-44 REQUIREMENTS AND LOCAL WEIGHTS AND MEASURES REGULATIONS MAY REQUIRE INSTALLATION PARAMETERS SOMEWHAT DIFFERENT THAN ILLUSTRATED ON THIS PLAN. IN ORDER TO INSURE COMPLIANCE, CONSULT THE LOCAL WEIGHTS & MEASURES OFFICE PRIOR TO CONSTRUCTION.
4. REFER TO SCALE MANUAL FOR INSTALLATION AND OPERATION INSTRUCTIONS.
5. A MINIMUM OF 24" OF CLEARANCE IS REQUIRED ON JUNCTION BOX SIDE OF THE SCALE NEAR THE BOX MOUNTS.

THIS DRAWING IS SUPPLIED AS CHECKED BELOW:
☒ REFERENCE (ESTIMATES ONLY, NOT FOR CONSTRUCTION)
☐ CERTIFIED FOR CONSTRUCTION, THURMAN SERIAL#
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:

THE INFORMATION CONTAINED HEREIN AND IN ANY ACCOMPANYING DOCUMENTS IS THE PRIVILEGED AND CONFIDENTIAL PROPERTY OF THURMAN SCALE. THURMAN SCALE DISCLOSURE, TRANSFER, OR REPRODUCE WITHOUT WRITTEN PERMISSION. THURMAN SCALE ASSUMES NO RESPONSIBILITY ALTERATIONS MADE TO THIS DRAWING FROM ORIGINAL TRANSMISSION.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN INCHES, AND TOLERANCES ARE AS FOLLOWS:
FRACTIONS ±1/8"
ANGLES ±1°
1-PLACE DECIMAL ±0.005
2-PLACE DECIMAL ±0.05
HOLE DIAMETERS ±1/32"
THIRD ANGLE

8550DB 90K CLC
80'x11' (4M/SS)
FULL SLAB FOUNDATION
4" RISER PIERS

MODEL: 8550DB

THURMAN SCALE
COLUMBUS, OH

SCALE: VARIES	DRAWN: LDC	CHECKED:	
SHEET: 1 OF 1	DATE: 3/23/16	APPROVED:	
DRAWING NUMBER: 92362-SL-RP4			REV: 0

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