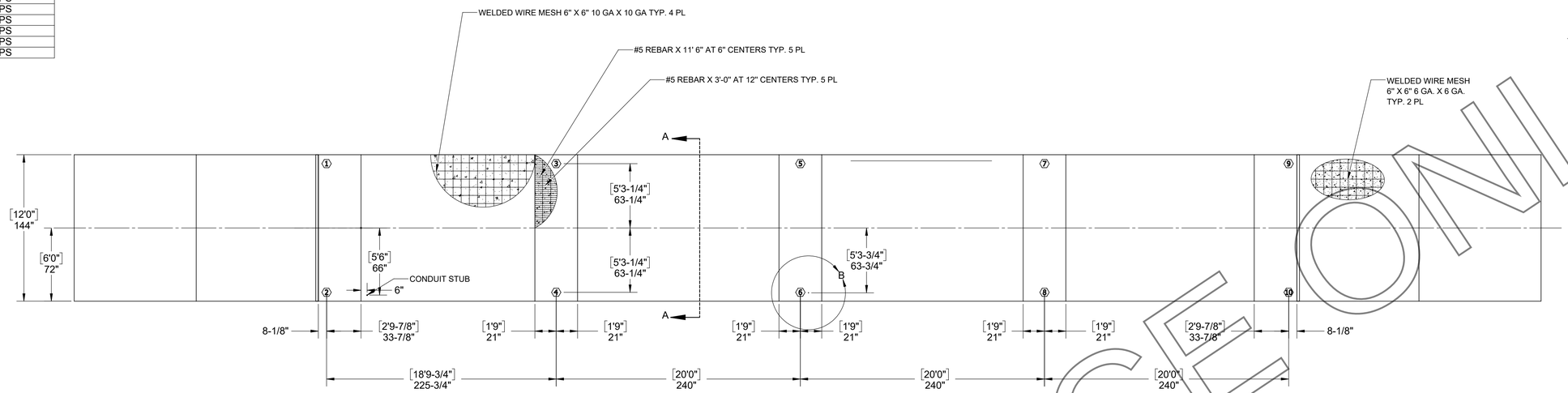
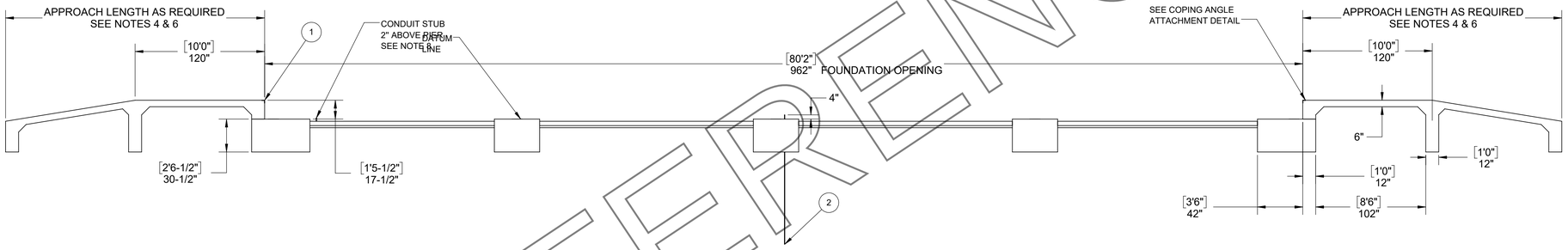
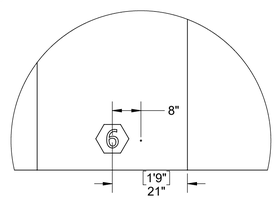
PIER LOADINGS AT 50 TON CLC

LOAD CELL	LOADING
1	55.0 KIPS
2	55.0 KIPS
3	61.0 KIPS
4	61.0 KIPS
5	61.0 KIPS
6	61.0 KIPS
7	61.0 KIPS
8	61.0 KIPS
9	55.0 KIPS
10	55.0 KIPS

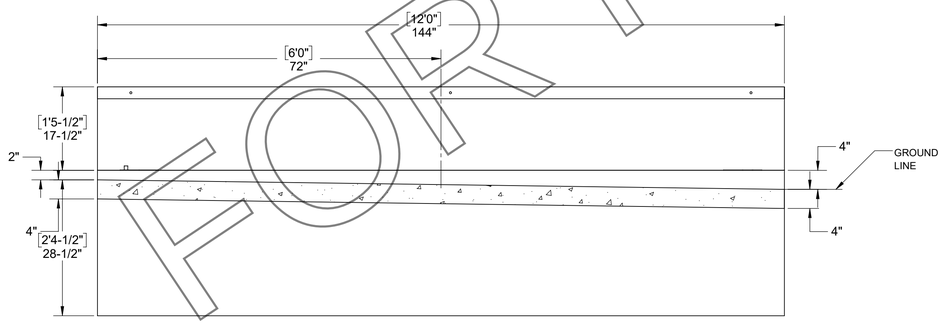
REVISION RECORD				
LTR	DESCRIPTION	DATE	ECO	BY
A	RELEASED FOR PRODUCTION	3/14/2018		BM



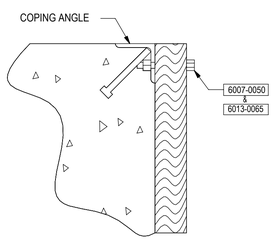




GROUND ROD DETAIL
DETAIL B



SECTION A-A



COPING ANGLE ATTACHMENT DETAIL

NOTES:
1. ITEMS 1 THROUGH 4 ARE FURNISHED BY CARDINAL SCALE MFG. CO. AS NOTED.
2. THE SCALE FOUNDATION AS SHOWN IS SUFFICENT FOR FIRM SOIL AND GOOD CONCRETE. THE MINIMUM SOIL BEARING SHALL BE 3,000 POUNDS PER SQUARE FOOT AND THE MINIMUM CONCRETE STRENGTH SHALL BE 3,000 POUNDS PER SQUARE INCH, 28 DAY. FOR UNUSUAL SOIL CONDITIONS OR DEEP FROST PENETRATION, ALTER THE FOUNDATION AS REQUIRED. THE FOOTING SHALL BE BELOW THE FROST LINE.
3. CARDINAL SCALE MFG. CO. SHALL NOT BE RESPONSIBLE FOR THE STABILITY OF THE FOUNDATION.
4. THE FOUNDATION CONTRACTOR SHALL CONTACT THE STATE WEIGHT AND MEASURES DIVISION FOR STATE FOUNDATION REQUIREMENTS.
5. WORK FROM THE CENTERLINE WHEN ERECTING FORMS AND SETTING BOLTS.
6. ON THE APPROACH END OR ENDS OF A VEHICLE SCALE INSTALLED IN ANY ONE LOCATION FOR A PERIOD OF SIX MONTHS OR MORE, THERE SHALL BE A STRAIGHT AND LEVEL APPRACH AS FOLLOWS:
   (A) AT LEAST THE WIDTH OF THE PLATFORM AND
   (B) AT LEAST ONE-HALF THE LENGTH OF THE PLATFORM BUT NOT REQUIRED TO BE MORE THAN 40 FEET, AND
   (C) NOT LESS THAN 10 FEET OF ANY APPROACH ADJACENT TO THE PLATFORM SHALL BE CONSTRUCTED OF CONCRETE OR SIMILAR DURABLE MATERIAL TO INSURE THAT THIS PORTION REMAINS SMOOTH AND LEVEL AND IN THE SAME PLANE AS THE PLATFORM. HOWEVER, GRATING OF SUFFICENT STRENGTH TO WITHSTAND ALL LOADS MAY BE INSTALLED IN THIS PORTION; AND FURTHER WHERE DEEMED NECESSARY FOR DRAINAGE PURPOSES, THE REMAINING PORTION OF THE APPROACH MAY SLOPE SLIGHTLY.
7. EXCAVATION AND CONCRETE REQUIRED FOR SCALE FOUNDATION AS SHOWN: MAIN PIERS: 16.9 CU. YDS. EXCAVATION; 22.2 CU. YDS. CONCRETE SLAB FLOOR: 7.1 CU. YDS. EXCAVATION; 9.3 CU. YDS CONCRETE APPROACHES: (10' 0" EACH END): 2 CU. YDS. FILL; 3.9 CU. YDS. CONCRETE
8. TRANSMISSION CABLE FROM LOAD CELL TO INDICATOR SHALL BE IN 1 1/2" MINIMUM SIZE CONDUIT AT LEAST 24" FROM THE CLOSEST ELECTRICAL LINE. THEY MAY CROSS AT 90° ONLY. CONDUIT NOT SUPPLIED BY CARDINAL SCALE MFG. CO.
9. CAUTION: DO NOT WELD ON THE STRUCTURE WHILE THE LOAD CELLS ARE IN THE SYSTEM.
10. REFER TO DRAWING 3502-C435-GS FOR PROPER ELECTRICAL GROUNDING SPECIFICATIONS.
11. REINFORCING ROD AND WELDED WIRE MESH ARE NOT FURNISHED BY CARDINAL SCALE MFG. CO. THE REBAR SHALL CONFORM TO ASTM A-185.
12. TOP OF PIERS ARE TO BE SMOOTH AND LEVEL WITHIN ±1/8". (ALL PIERS ARE TO BE WITHIN 1/4".)

ITEM NO.	QTY	PART NUMBER	DESCRIPTION	WEIGHT
1	2	0331-0131-0A	COPING ANGLE, END PIT 12' 0"	49.963
2	1	6980-0054	GROUND ROD .625"DIA X 10 FT.	4.261
3	1	6007-0050	BLT HEX HD 3/8-16x1 1/2" TAP BOLT G2 Z/P	0.00
4	1	6013-0065	NUT 3/8-16 HEX Z/P	0.000

MATERIAL DESCRIPTION
WEIGHT 103.891 LBS

TOLERANCE ON DIMENSIONS ARE:
ANGLES ± 1/2°
INTEGERS/FRACTIONS ± 1/16 IN.
DECIMALS (.X) ± .03 IN.
DECIMALS (.XX) ± .01 IN.
DECIMALS (.XXX) ± .005 IN.
NOTE: WHOLE NUMBERS MUST BE WRITTEN XX.000 TO INVOKE DECIMAL TOLERANCES.

Cardinal® Cardinal Scale Manufacturing Co.

CARDINAL DETECTO FULLER WEIGHING SYSTEMS

TITLE
FOUNDATION PLAN (960 X 144; 50 TON CLC)

SCALE	N.T.S.	DO NOT SCALE DRAWING	CAD MODEL A	PARENT MODEL	N/A
DR.		DATE 3/14/2018	D	SHEET 1 OF 1	
CH.		DATE			
ITEM	1010248		DWG. NO.	0331-2143-0A	REV. A