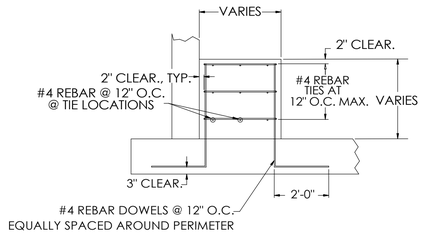
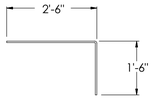
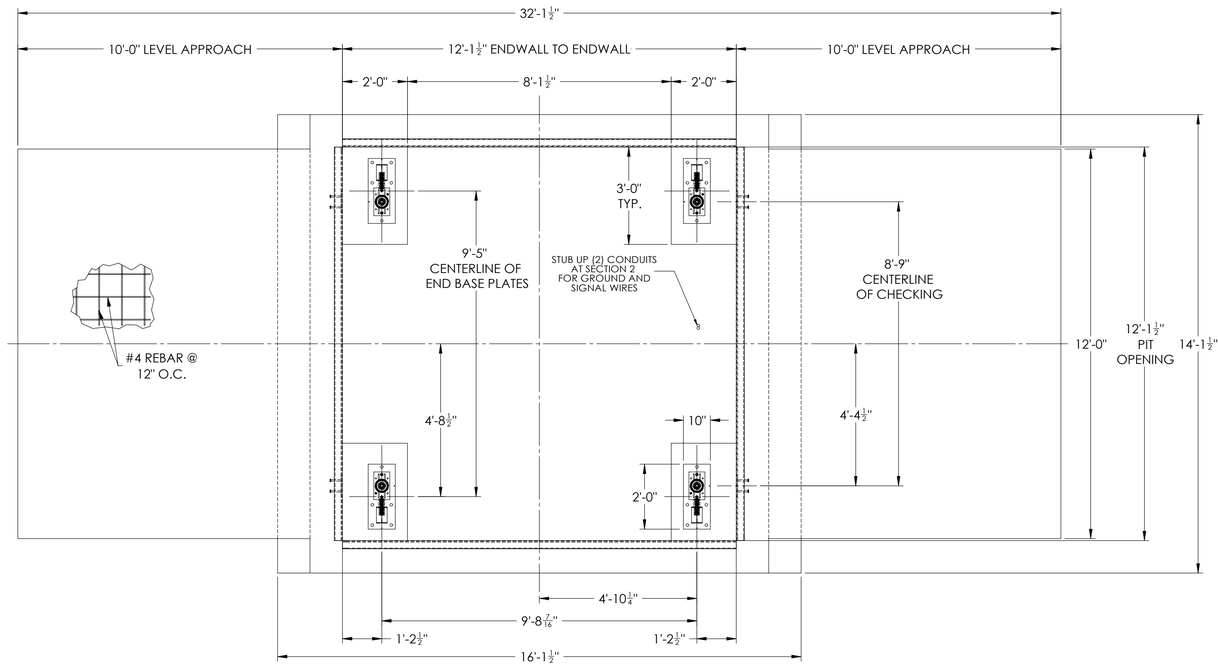


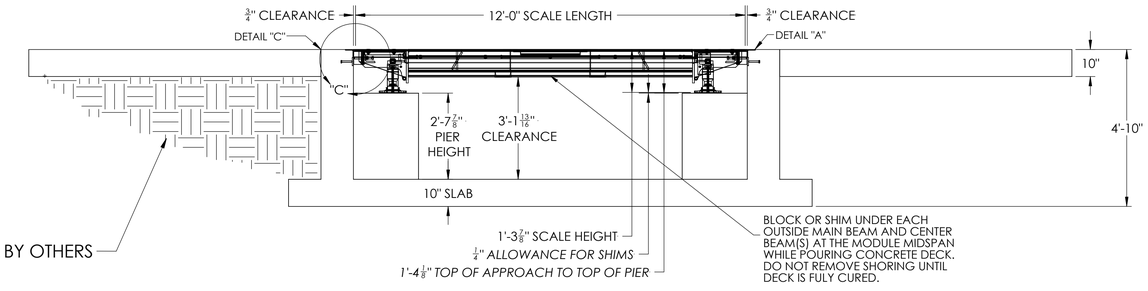
TYPICAL END PIER DETAIL

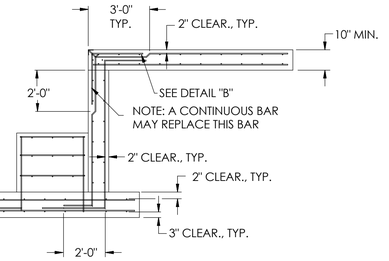


DETAIL "B"

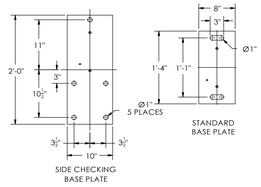
NOTE: A CONTINUOUS BAR
MAY REPLACE THIS BAR

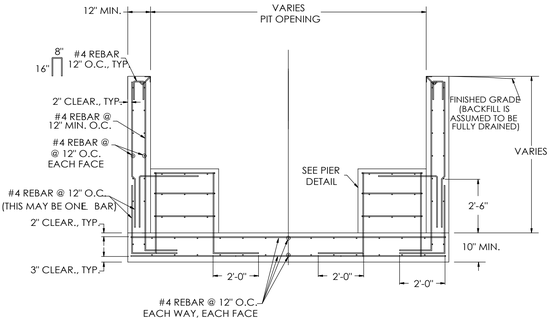




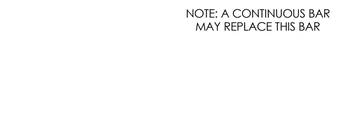


TYPICAL APPROACH / END WALL DETAIL





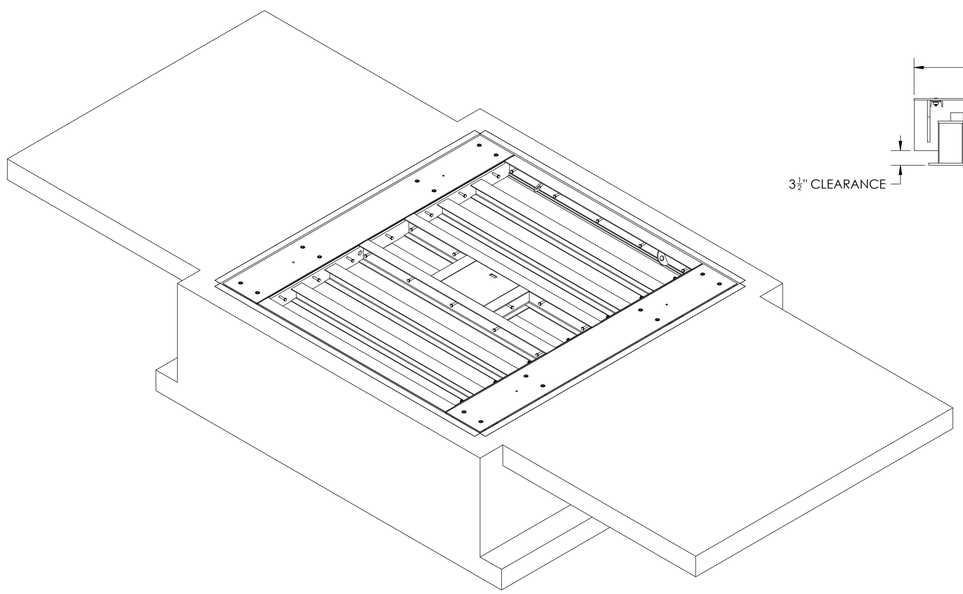
TYPICAL END SECTION VIEW

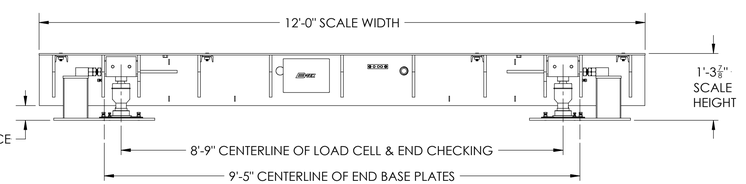


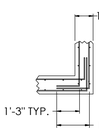
DETAIL "A"

FOUNDATION NOTES:

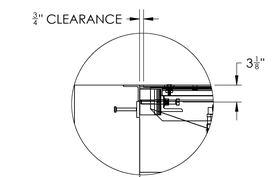
1. THE FOUNDATION SHOWN IS A RECOMMENDED MINIMUM FOUNDATION BY B-TEK SCALES. YOUR LOCAL WEIGHTS AND MEASURES SPECIFICATIONS AND REQUIREMENTS MAY DIFFER FROM THAT SHOWN. IT IS THE SOLE RESPONSIBILITY OF THE FOUNDATION CONTRACTOR AND/OR CUSTOMER TO DEFINE THOSE REQUIREMENTS PRIOR TO FOUNDATION CONSTRUCTION. B-TEK IS NOT LIABLE FOR COMPLIANCE TO ANY PARTICULAR STATE, COUNTY, CITY, OR LOCAL MUNICIPALITY SPECIFICATIONS.
2. THE FOUNDATION REBAR DETAILS SHOWN ARE SUGGESTED TYPICAL CONFIGURATIONS. ACTUAL REBAR CONFIGURATIONS WILL VARY DEPENDING ON THE FOUNDATION CONTRACTOR'S TYPICAL PRACTICES. BECAUSE OF THIS, NO "STANDARD" REBAR SCHEDULE IS PROVIDED. CONSULT YOUR LOCAL WEIGHTS & MEASURES SPECIFICATIONS AND/OR CIVIL ENGINEERING FIRM FOR PARTICULAR QUESTIONS REGARDING REBAR IN YOUR PLAN.
3. FOUNDATION DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 3000 LB/FT^2 .
4. FOUNDATION TO BE INSTALLED TO INSURE PROPER DRAINAGE AWAY FROM SCALE.
5. REINFORCING STEEL TO CONFORM TO ASTM A615 GRADE 60 SPECIFICATIONS. #4 (1/2" DIA.) REBAR IS STANDARD.
6. CONCRETE OF 4000 PSI COMPRESSIVE STRENGTH REQUIRED.
7. PIERS MUST BE LEVEL AND IN THE SAME PLANE WITHIN +/- 1/8".
8. EXCAVATION, FORMS, REINFORCING STEEL, BUMPER CHECKING PLATES AND CONCRETE FURNISHED BY OTHERS.
9. ANCHOR BOLTS (BY OTHERS) TO BE DRILLED AT TIME OF INSTALLATION. REQUIRES 3/4" DIA. X 7" LONG REDHEAD TYPE ANCHOR BOLTS. MAKE SURE PIER REBAR DOES NOT INTERFERE WITH ANCHOR BOLTS.
10. CONCRETE DECK SCALES:
    ON "FECD-SL" AND "EFTC" SERIES SCALES, DECK SHEETING, REBAR, AND MUDHOOKS ARE SUPPLIED, AND ARE FACTORY INSTALLED BY B-TEK.
    ON ALL OTHER SERIES OF SCALES, DECK SHEETING AND REBAR ARE NOT SUPPLIED, UNLESS SPECIFICALLY ORDERED IN ADDITION TO THE SCALE, AND ARE INSTALLED ON-SITE BY OTHERS.
11. DECK COPING WITH MUDHOOKS IS SUPPLIED AS STANDARD ON CONCRETE DECK PIT SERIES SCALES, TO BE INSTALLED ON-SITE BY OTHERS. SEE DECK DETAIL DRAWING FOR INSTALLATION SPECIFICS.
12. EXCAVATION
    APPROXIMATE EXCAVATION: 51.75 CUBIC YARDS FOR PIT.
    DIG HOLE APPROXIMATELY 18' X 16' X 4'-10" DEEP FOR PIT.
    DIG HOLES FOR PIER-ONLY FOUNDATION TO A LEVEL BELOW LOCAL FROST LINE CODES
    SAW CUT ALL CONCRETE OR ASPHALT BEFORE REMOVING
13. APPROXIMATE CONCRETE REQUIREMENTS:
    FLOOR SLAB: 7.25 CUBIC YARDS
    END WALLS: 3.00 CUBIC YARDS
    SIDE WALLS: 4.25 CUBIC YARDS
    PIERS: 2.50 CUBIC YARDS
    APPROACH SLABS: 7.25 CUBIC YARDS
    CONCRETE DECK: 2.50 CUBIC YARDS
14. WEIGHT OF LARGEST BRIDGE MODULE: 4,000 LBS.
15. FOUNDATION TOLERANCES:
    WIDTH: +1/4", -0"
    LENGTH: +3/8", -0"
    HEIGHT: +1/8", -0"







TYPICAL CORNER REBAR DETAIL



END BUMPER PLATE DETAIL
BY OTHERS

PROPRIETARY AND CONFIDENTIAL
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WARNING NOTICE
Truck Scales and Railroad Track Scales are designed to carry vehicular traffic only and are not designed to accommodate pedestrian traffic. Therefore, it is recommended that drivers, operators and passengers remain in the vehicle while it is on the scale platform. Furthermore, pedestrians should not walk or stand on the scale platform or approaches. Buyer assumes all responsibility for the control of any pedestrian traffic on the scale or scale approach areas, including but not limited to, the erection of any warning signs, barriers, and/or other devices to prohibit or prevent pedestrian traffic on the scale platform or approaches.

APPROVAL PLAN		NAME	DATE
[X] FOR QUOTING / ESTIMATING ONLY NOT FOR CONSTRUCTION / FABRICATION	DRAWN	MATT	12/15/11
[ ] RETURN OF APPROVAL NOT REQUIRED	CHECKED		
[ ] RETURN APPROVAL REQUIRED BEFORE ANY MANUFACTURING BEGINS	B-TEK CERTIFIED		

CUSTOMER APPROVAL: DATE:

B-TEK ORDER #: XXXXXX
DATE: 12/15/11
CUSTOMER: XXXXXX
XXXXXX
CUST. P.O. #: XXXXXX

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ARE AS FOLLOWS:
MACHINED - FRACTIONAL ±1/32"
FABRICATED - DECIMAL ±1/8"
CASTING ±1/8"
SQUARENESS ±1/8"
ALL WELDS TO BE 1/4" FILLET CONTINUOUS UNLESS OTHERWISE SPECIFIED.
BREAK / ROUND ALL SHARP EDGES AND DE-BURR ALL DRILLED HOLES

B-TEK SCALES LLC
1510 Metric Avenue S.W.
Canton, OH 44706-3081

TITLE: Foundation Plan
BT-1212-100-FECD-SL-D
Concrete Deck
Centurion Truck Scale
100,000 Capacity,
100,000 C.L.C.

SIZE	DWG. NO.	REV
D	XXXXXX	

ELECTRONIC DWG. FILE NO MANUAL REVISIONS | DO NOT SCALE DRAWING | SHEET 1 OF 1

12 x 12 CD Slab
D
REV