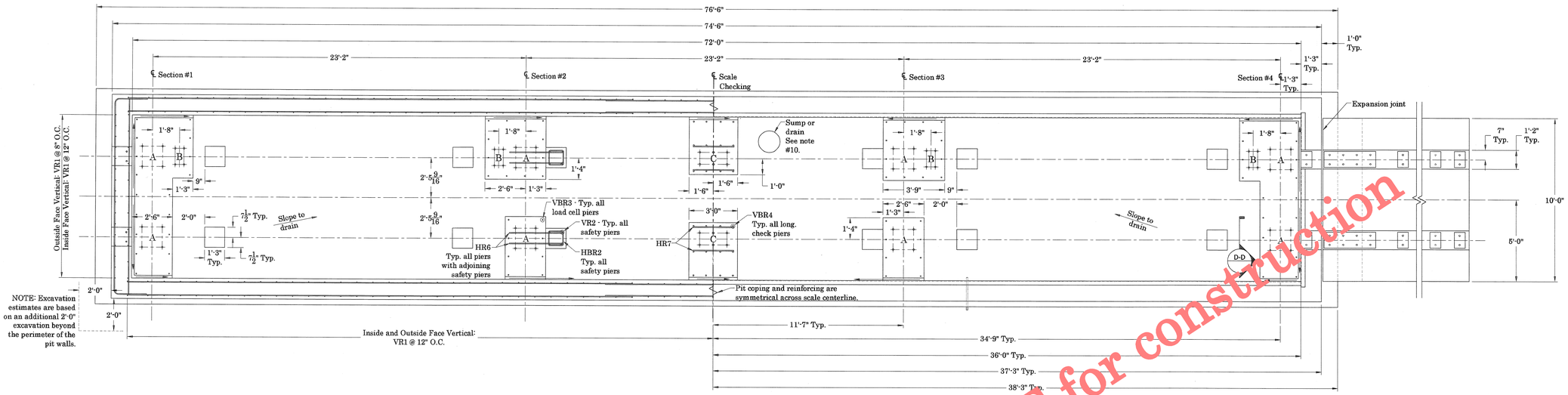
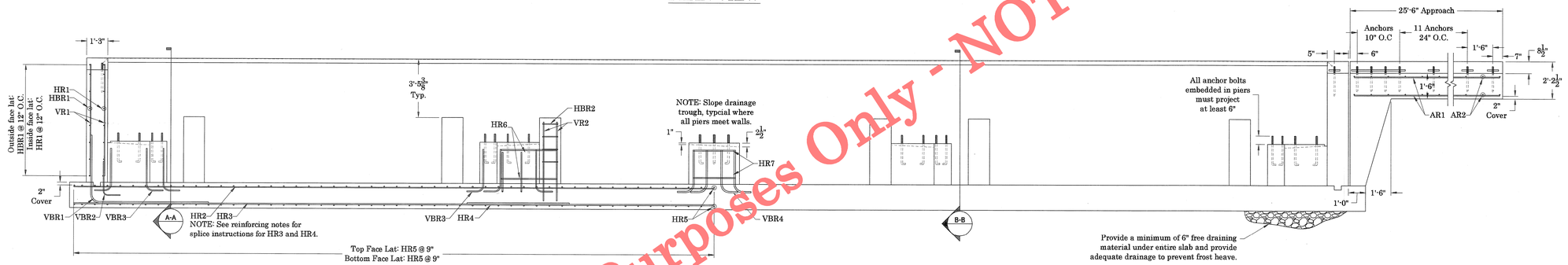
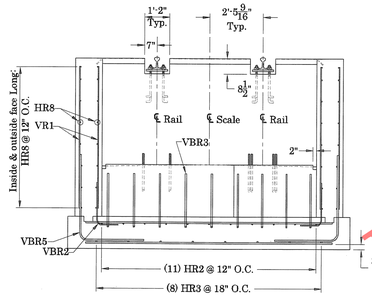


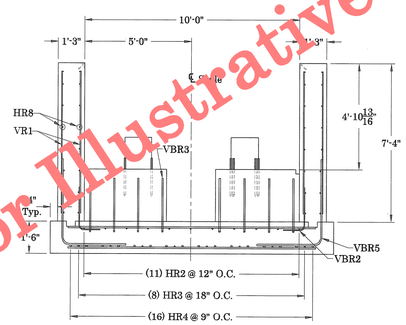
PLAN VIEW



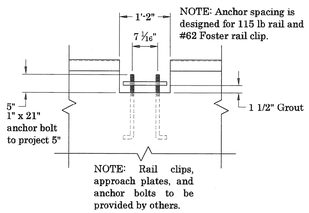
ELEVATION VIEW



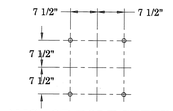
SECTION A-A



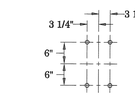
SECTION B-B



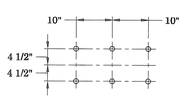
SECTION C-C



ANCHOR BOLT SETTING GROUP "A"
1" x 21" Lg w/ 6" threads



ANCHOR BOLT SETTING GROUP "B"
1 1/4" x 21" Lg w/ 6" threads



ANCHOR BOLT SETTING GROUP "C"
1 1/4"x 21" Lg w/ 6" threads

FOUNDATION REINFORCING SCHEDULE ASTM 615 GRADE 60						
MARK	QTY	SIZE	LENGTH	BEND LENGTHS	WEIGHTS	REMARKS
VBR1	32	#8	11' - 0"	7' - 0" x 4' - 0"	940	End wall, outside face.
VBR2	168	#4	3' - 0"	2' - 0" x 1' - 0"	337	End & side walls, inside face.
VBR3	72	#6	3' - 6"	2' - 6" x 1' - 0"	379	Piers for load cells and lateral checking.
VBR4	28	#8	3' - 6"	2' - 6" x 1' - 0"	262	Piers for longitudinal checking.
VBR5	146	#6	7' - 0"	3' - 0" x 4' - 0"	1535	Side wall, outside face.
VR1	346	#4	6' - 7"	6' - 7"	1502	End &side walls, inside & outside faces.
VR2	48	#4	4' - 8"	4' - 8"	150	Safety piers.
HBR1	16	#4	16' - 0"	2' - 0" x 12' - 0" x 2' - 0"	171	End wall, outside face.
HBR2	48	#4	4' - 0"	13" x 11" x 11" x 13"	128	Safety piers.
HR1	16	#4	11' - 0"	11' - 0"	118	End wall, inside face.
HR2	55	#5	17' - 0"	17' - 0"	975	Slab long., full length, top face.
HR3	40	#6	17' - 0"	17' - 0"	1021	Slab long., full length, bottom face.
HR4	32	#8	6' - 0"	6' - 0"	513	Slab long., interior load cell sections.
HR5	204	#6	11' - 6"	11' - 6"	3524	Slab lateral, bottom and top face.
HR6	16	#5	3' - 3"	3' - 3"	54	Load cell piers to monolithic safety piers.
HR7	8	#5	2' - 6"	2' - 6"	21	Long. check piers.
HR8	160	#4	16' - 6"	16' - 6"	1764	Side wall, inside and outside face.
AR1	40	#6	9' - 6"	9' - 6"	571	Approach, longitudinal.
AR2	100	#6	24' - 6"	24' - 6"	3680	Approach, lateral.
TOTAL					17645	

CONCRETE REQUIREMENTS 4000 PSI @ 28 DAYS	
Slab	56 cu. yds.
Side & End Walls	57.5 cu. yds.
Piers	12 cu. yds.
SafetyPiers	3.5 cu. yds.
Total for Pit (incl. all piers)	129 cu. yds.
Total for Approaches	44.5 cu. yds.
Estimated Excavation	503.5 cu. yds.

GENERAL NOTES

1. All concrete shall have a minimum compressive strength of 4000 psi at 28 days.
2. Reinforced pit as indicated is designed for a minimum soil bearing capacity of 4000 PSF as sprecified by AAR. Careful soil exploration, including borings, is always desirable, reference Paragraph 2.22.19, AAR scale handbook specifications (applies if the scale must meet AAR requirements).
3. The pit contractor or customer may elect to revise the reinforcing to suit local requirements.
4. Sufficient drainage shall be provided by others to prevent moisture accumulation in the pit.
5. Work from centerlines when erecting forms and setting anchor bolts. Top of the piers must be smooth, level, and true to plan. Pour piers monolithic with walls.
6. For cable entrance into the pit, 2" steel conduit shall be provided through the pit wall at a minimum of 12" above the pit floor.
7. If AC (alternating current) power is required in the pit, it shall not run closer than 24" in parallel to any cell cable. A 1" conduit shall be provided through the pit wall for such entrance.
8. For ground rod, see Fairbanks manual 50584.
9. Fairbanks Scales cannot be responsible for the integrity of the pit, foundation, or footings. The responsibility for the pit is assumed by the pit builder or as contracted.
10. The pit floor shall be pitched to a common point for drainange and shall be smooth and free of pockets in which water may stand. If the pit floor is below the level of the subsurface water table, the pit shall be drained from its lowest point into a sump adequately equipped with automatic means for removal of water as it collects.
11. The state of Iowa requires an outside pump if a suitable gravity drain is not available. Consult state regulations for exact specifications.

LET	BY	DATE	REVISION

THE MATERIAL AND INFORMATION CONTAINED HEREIN IS CONFIDENTIAL AND IS THE PROPERTY OF FAIRBANKS SCALES AND IS NOT TO BE USED, DISCLOSED, COPIED, TRANSFERRED, OR REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF FAIRBANKS SCALES.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES: FRACTIONS ±1/16"
ANGLES ±1°
3-PLACE DECIMAL ±0.005
2-PLACE DECIMAL ±0.05
HOLE DIAMETERS ±1/32"

MATERIAL: N/A
FINISH: N/A

FAIRBANKS SCALES
MERIDIAN, MS

Full Electronic Combination RRT/MTS
72'-0" x 10'-0" Foundation Plan
180 Tons per Section 4 Sections
360 Tons Gross Capacity

DATE: 05/04/10	AAR Scale Handbook Compliant
SCALE: N/A	SHEET 1 OF 1
DRAWN BY: NDC	MODEL: 12-1495
CHECKED BY: JEW	DRAWING NUMBER: D146972-PIT-IA
APPROVED BY: JEW	REVISION: N/A

For Illustrative Purposes Only - NOT for construction

5/5/2010 11:38:31 AM