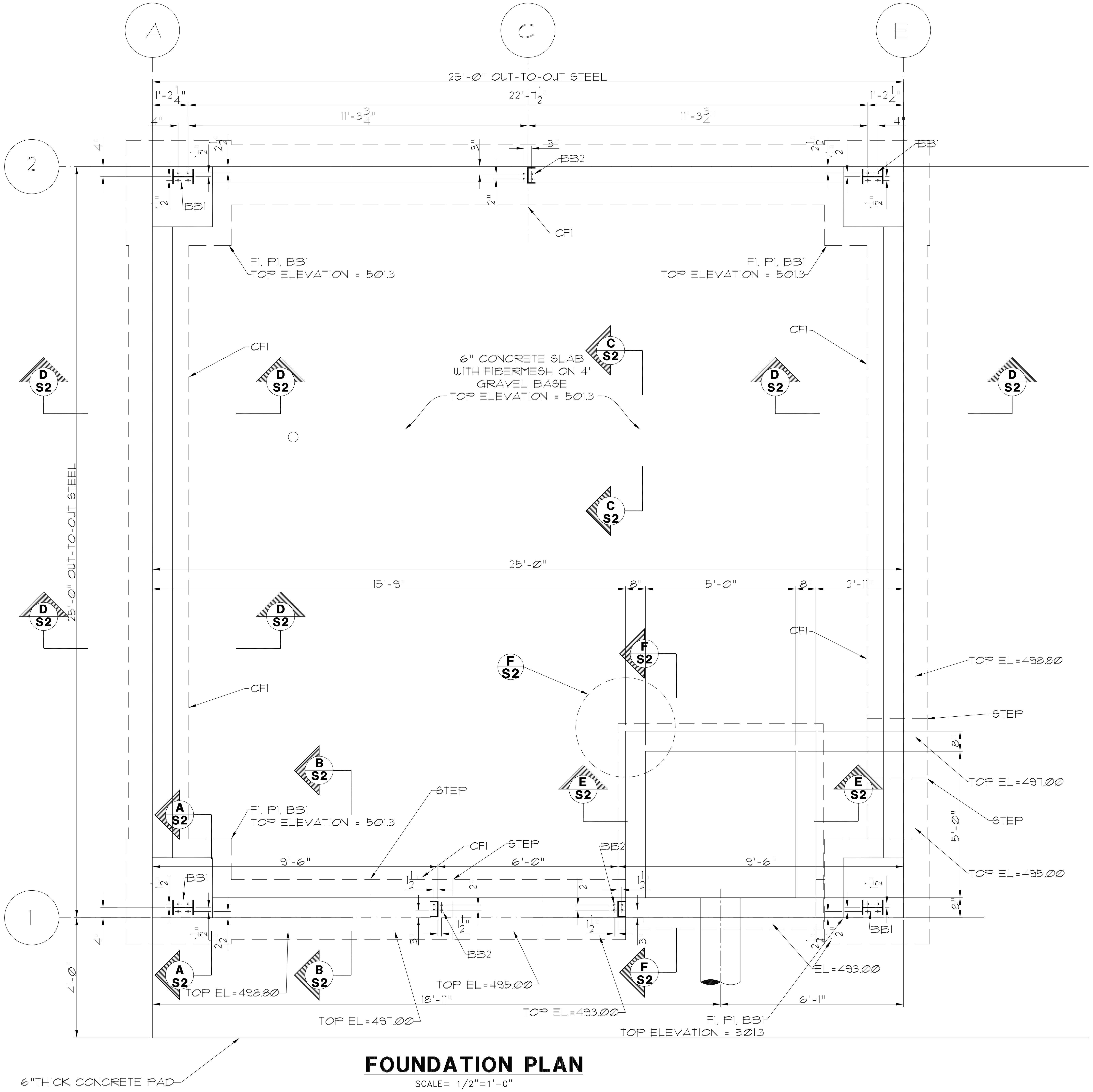

FOUNDATION PLAN

SCALE= 1/2"=1'-0"

MISC. NOTES

A. GENERAL

THE STRUCTURE IS DESIGNED TO BE SELF--SUPPORTING AND STABLE AFTER THE THE BUILDING IS FULLY COMPLETED. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE AND TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING, GUYS OR TIEDOWNS WHICH MIGHT BE NECESSARY. SUCH MATERIAL SHALL REMAIN THE CONTRACTOR'S PROPERTY AFTER THE COMPLETION OF THE PROJECT. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF THE INVOLVED TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS TO BE BORNE BY THE APPROPRIATE CONTRACTOR. SHOULD ANY OF THE DETAILED INSTRUCTIONS SHOWN ON THE PLANS CONFLICT WITH THESE STRUCTURAL NOTES, THE SPECIFICATIONS, OR WITH EACH OTHER, THE STRICTEST PROVISION SHALL GOVERN. ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR AND SHALL CONFORM TO THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS.

B. PER 2007 OHIO BUILDING CODE.

1. ROOF SNOW LOADS
1.1 GROUND SNOW LOAD = 25 psf.
1.2 FLAT--ROOF SNOW LOAD = 14 psf.
1.3 SNOW EXPOSURE FACTOR = Ce = 1.00
1.4 SNOW LOAD IMPORTANCE FACTOR = 1.00
1.5 THERMAL FACTOR = Ct = 1.2

2. ROOF LIVE LOADS

2.1 MINIMUM ROOF LIVE LOAD = 20 psf.
2.2 DESIGN ROOF LIVE LOAD = 20 psf.

3. COLLATERAL LOAD = 1 PSF

4. WIND LOADS

4.1 BASIC WIND SPEED (3--SECOND GUST) = 90 mph
4.2 WIND IMPORTANCE FACTOR = 1.00
4.3 BUILDING CATEGORY 2
4.4 WIND EXPOSURE CATEGORY C
4.5 INTERNAL PRESSURE COEFFICIENT +/-0.18

5. EARTHQUAKE DESIGN DATA:

5.1 SEISMIC USE GROUP 1
5.2. SEISMIC DESIGN CATEGORY = B
5.3 SPECTRAL RESPONSE ACCLERATION Ss =0.155
5.4 SPECTRAL RESPONSE ACCLERATION Si = 0.066
5.5 SPECTRAL RESPONSE COEFFICIENT Sds = 0.168
5.6 SPECTRAL RESPONSE COEFFICIENT Sdi = 0.106
5.7. SITE CLASS = D (ASSUMED)
5.8 BASIC SEISMIC--FORCE--RESISTING SYSTEM = SEE PRE--ENGINEERED. MTL. BLDG. DWGS.
5.9 DESIGN BASE SHEAR =SEE PRE--ENGINEERED MTL. BLDG. DWGS.
5.10 SEISMIC RESPONSE COEFFICIENT Cs = SEE PRE--ENGINEERED MTL. BLDG. DWGS.
5.11 RESPONSE MODIFICATION FACTOR R = SEE PRE--ENGINEERED MTL. BLDG. DWGS.
5.12 ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

C. REINFORCED CONCRETE

1. MATERIALS:

1.1 SPECIFICATIONS: IN GENERAL, COMPLY WITH ACI 301-89 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS."
1.2 STRUCTURAL CONCRETE

CLASS	LOCATION	FC
I.	FOOTINGS AND PIERS	3000
II.	INTERIOR SLABS ON GRADE, AND ALL INTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	4000
III.	EXTERIOR SLABS ON GRADE AND ALL EXTERIOR CONCRETE NOT OTHERWISE IDENTIFIED	4000
IV.	BACKFILL BELOW FOOTINGS AND GRADE BEAMS	1500

1.3 ALL DEFORMED REINFORCING BARS: FY = 60,000

1.4. SYNTHETIC FIBER REINFORCEMENT AT STANDARD APPLICATION RATE OF 1.5 POUNDS PER CUBIC YARD OF CONCRETE.

2. FIELD MANUAL: PROVIDE AT LEAST ONE COPY OF THE ACI FIELD REFERENCE MANUAL, SP-15, IN THE FIELD OFFICE AT ALL TIMES.

3. SUPPORTS:

3.1 PROVIDE SUPPORTS AS REQUIRED TO MAINTAIN ALIGNMENT OF SCHEDULED REINFORCING. SUCH SUPPORTS ARE TO BE REFLECTED IN THE BID, AND ARE NOT PART OF THE CONTINGENCY QUANTITY LISTED ABOVE.

4. FOOTINGS:

4.1 DOWELS IN FOOTINGS TO MATCH VERTICAL WALL REINFORCING.

4.2 PROVIDE LEAN CONCRETE (CLASS IV) UNDER FOUNDATIONS FOR ACCIDENTAL OVER--EXCAVATION, SOFT SPOTS AND TRENCHES.

5. SPLICES: UNLESS NOTED OTHERWISE, MINIMUM LAP SPLICE LENGTHS TO BE AS FOLLOWS:

5.1.	VERTICAL BARS IN WALLS, PIERS, OR COLUMNS (INCLUDING DOWELS)	30 DIAMETER
5.2	HORIZONTAL BARS IN SLABS & FOOTING	35 DIAMETER
5.3	HORIZONTAL BARS IN WALL	45 DIAMETER

6. CONSTRUCTION JOINTS:

6.1. CONSTRUCTION JOINTS PERMITTED ONLY WHERE SHOWN OR AS APPROVED BY THE STRUCTURAL ENGINEER. ALL CONSTRUCTION JOINTS ARE TO BE KEYED. KEYWAYS SHALL BE 1-1/2 INCHES DEEP X 1/3 MEMBER THICKNESS.

6.2 CONCRETE COVER: UNLESS NOTED OTHERWISE, DETAIL REINFORCING TO PROVIDE CONCRETE COVER AS FOLLOWS:

I.	CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3 IN
II.	CONCRETE EXPOSED TO EARTH OR WEATHER: #5 BARS AND SMALLER	1 1/2 IN
III.	OTHERS	2 IN.

PRE-ENGINEERED METAL BUILDING NOTES

1. THE PRE--ENGINEERED METAL BUILDING SHALL CONSIST OF ROOF DECK, RIGID FRAMES, METAL WALL PANELS ON FRAMING, GUTTERS, DOWNSPOUTS, AND FLASHING. DEVIATION FROM BAY SPACING SHOWN ON THE PLANS SHALL BE PERMITTED ONLY WITH THE PRIOR APPROVAL OF THE ENGIEER OF RECORD.

2. THE SYSTEM SHALL BE DESIGNED AND DETAILED BY THE MANUFACTURER TO SUSTAIN THE DESIGN LOADS SPECIFIED. THE DESIGN SHALL BE IN ACCORDANCE WITH AISC AND AISI SPECIFICATIONS AND MBMA "METAL BUILDING SYSTEM MANUAL" DESIGN PRACTICES, LATEST EDITION.

FOUNDATION NOTES

1. ALL FOUNDATIONS LOADS ARE BASED UPON COLUMN REACTIONS THAT HAVE BEEN PROVIDED BY PRE-ENGINEERED METAL BUILDING SUPPLIER.
2. FLOOR SHALL BE 6" THICK CONCRETE SLAB ON GRADE, WITH FIBERMESH ON 4" GRAVEL BASE..
3. ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 1500 PSF.
4. ALL FOOTING EXCAVATIONS SHALL BE INSPECTED AND APPROVED PRIOR TO PLACING CONCRETE. EXCAVATIONS SHALL BE KEPT FREE OF WATER AT ALL TIMES.
5. TOP OF SLAB ELEV. IS 510.30. AND IS BASED ON DATA PROVIDED BY SITE ENGINEER.
6. NO ENGINEERED FILL SHALL BE PLACED UNTIL EXCAVATION BOTTOMS HAVE BEEN INSPECTED AND APPROVED BY A SOILS ENGINEER.
7. PROVIDE A MIN. OF 4 IN. OF GRANULAR FILL BELOW ALL SLABS-ON-GRADE.
8. SEE MECHANICAL AND PRE-ENGINEERED METAL BUILDING DRAWINGS FOR ALL EMBEDMENTS INTO CONCRETE INCLUDING, BUT NOT LIMITED TO, PLATES, ANGLES, RAILINGS AND OTHER MISCELLANEOUS METALS AND ANCHORS.
9. VERIFY ALL DOOR OPENING LOCATIONS W/ PRE-ENGINEERED METAL BUILDING DWGS.
10. ALL CONCRETE SPREAD FOOTINGS TO BE CENTERED UNDERNEATH CONC. PIERS, UNLESS NOTED OTHERWISE.
11. ALL FOUNDATION WALLS TO BE CENTERED ON CONTINUOUS WALL FOOTINGS.

FOOTING SCHEDULE

MARK	SIZE	REINFORCEMENT
F1	3'-6" SQUARE x 14" DEEP	(4) #5 EA. WAY
CF1	CONT. 24" WD. x 14" DEEP	(4) #5 CONT.

PIER SCHEDULE

MARK	SIZE	REINFORCEMENT
P1	24" X 24"	(4) #5 VERT. & #3 TIES @ 10" O.C

ANCHOR BOLT SCHEDULE

MARK	SIZE AND QUANTITY	LAYOUT
BB1	(16) 3/4" DIA. X 18" LG. W/ DBL. NUT AND WASHER AT BOTTOM	SEE PRE-ENG. MANUF. DRAWINGS and THIS SHEET
BB2	(12) 5/8" DIA. X 16" LG. W/ DBL. NUT AND WASHER AT BOTTOM	SEE PRE-ENG. MANUF. DRAWINGS and THIS SHEET

LAST REVISION: 01/03/12
LAST PLOTTED: 01/03/12
DRAWING SCALE: 1/2"=1'
PLOT SCALE: 1=1

SCALE VERIFICATION
THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING
0 1"
USE TO VERIFY FIGURE

REVISION	DATE	DESCRIPTION	BY	APPROVED
1	5/12/11	ADD SECTION F-F	A.A.	
2	9/14/11	BLDG ARR. REVISIONS	A.A.	
3	12/29/11	AS BUILT REVISIONS	A.A.	

ENGINEER OF RECORD:
AL ANDREANSKY, P.E. OHIO REG. #75847 — DATE SIGNED

CAD FILE: 110222401M	SCALE: 1/2"=1'-0"
DRAWN BY: A.A.	DATE: 03-19-11
CHECKED BY:	DATE:
APPROVED BY:	DATE:

AL ANDREANSKY, P.E.
P.O. BOX 456
PALM HARBOR, FLORIDA 34682-0456
PHONE: (727) 460-8612, FAX: (727) 789-9565

CSX INTERMODAL TERMINALS, INC.
TERMINAL DEVELOPMENT GROUP
JACKSONVILLE, FLORIDA

BUILDING FOUNDATION PLAN

2149 WESTERN AVENUE
CINCINNATI, OHIO 45214

PROJECT No. 11022401.001
SHEET S1 of 2

AS-BUILT DRAWINGS
I hereby certify that these "As-Built Drawings" reflect all significant changes and addenda approved during the construction process. They are based upon marked-up prints, drawings and other information furnished to the Engineer by the Contractor, and show the completed construction to the best of my knowledge and belief.
ENGINEER: DATE: 1/4/12

STATE OF OHIO ★ ALFONZ ANDREANSKY E-75847 REGISTERED PROFESSIONAL ENGINEER

CINCINNATI TERMINAL, CSX INTERMODAL., JACKSONVILLE, FLORIDA