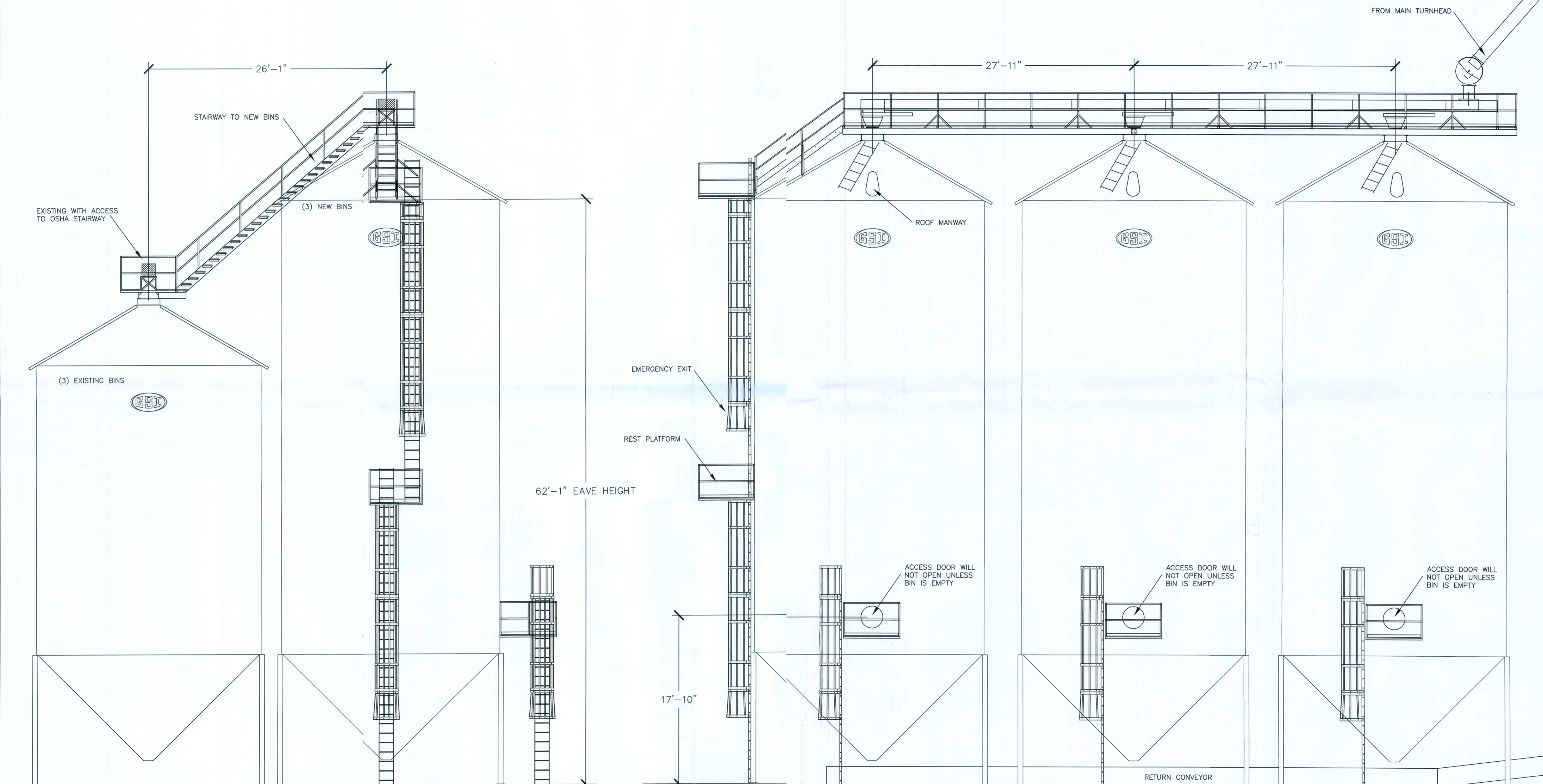


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NOTES

1. Bins are pre-fabricated, pre-engineered bolt together design. Manufactured by Grain Systems, Inc. Assumption, Ill. To meet local codes and loads.
2. Wind Load- 110 mph., 3 sec gust.



ELEVATION VIEW LOOKING EST
SCALE: 3/16"=1'-0"

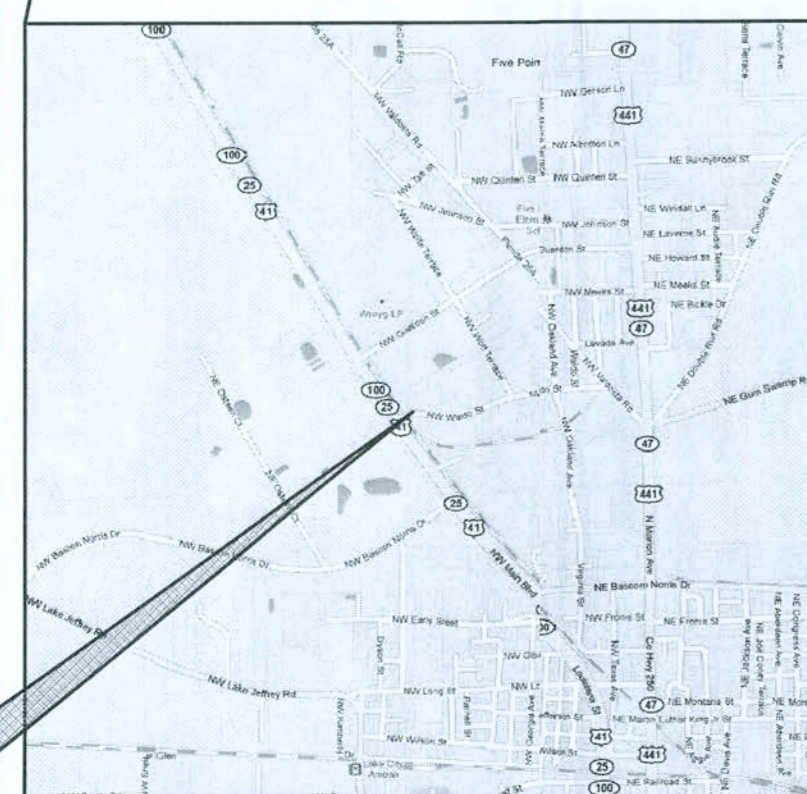
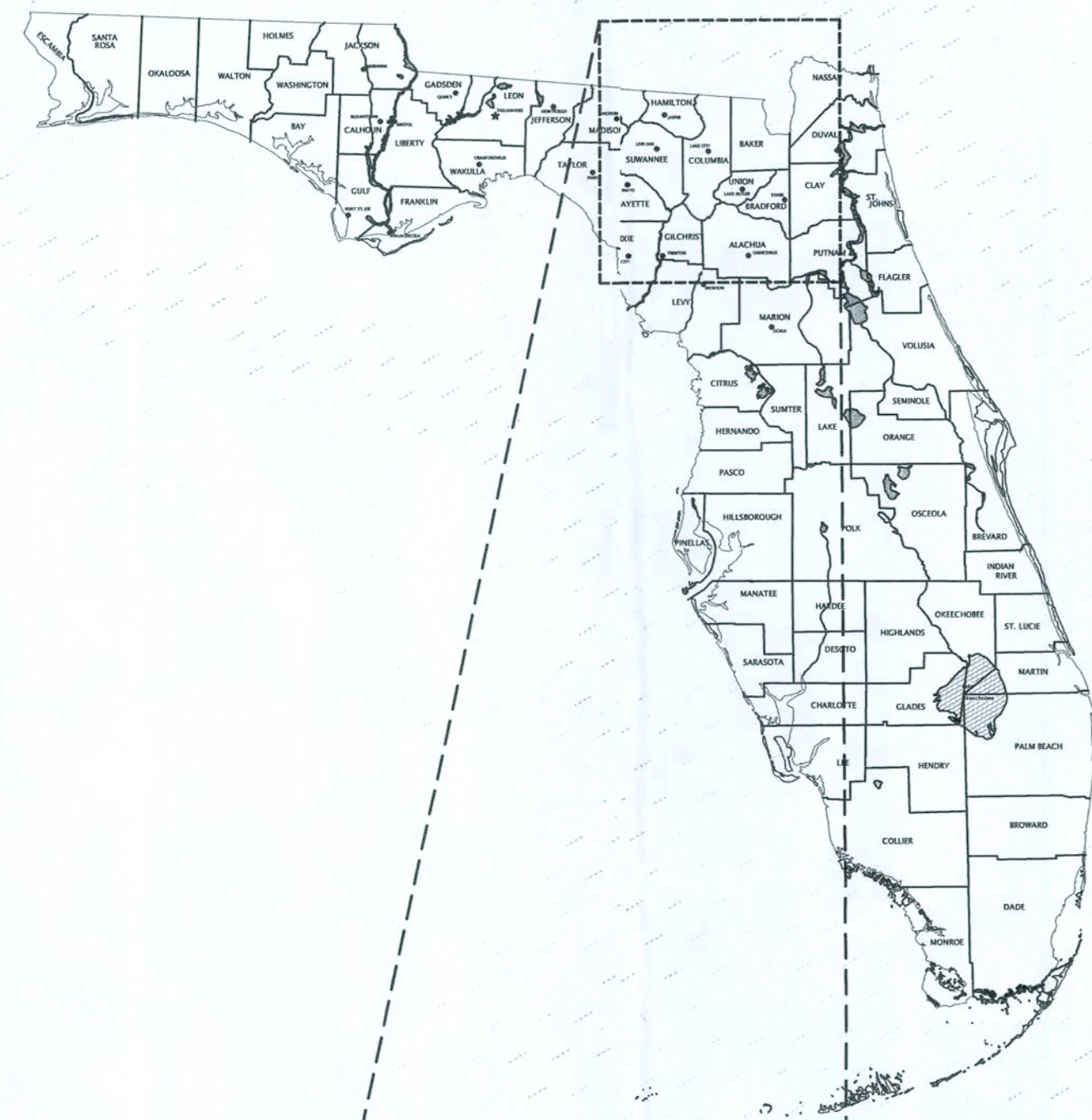
 ELEVATION VIEW
SCALE: 3/16"=1'-0"

REVISIONS:	No:	Date:	Remarks:

CENTRAL STATES ENT. BIN ELEVATIONS	LAKE CITY, FL.
SOUTHERN AGCOM	BLAKELY, GA.
942 NORTH MAIN STREET	

DRAWN:	JEF
DESIGNED:	
APPROVED:	
DATE:	5-7-10
BCEI #	

NOTES
S-0.3
1 of 1



PROJECT LOCATION

Central States Ent. Foundation Plans and Details

668 NW Waldo St.
Lake City, FL



2-Copies-Sealed

INDEX OF DRAWINGS

	COVER SHEET
S-0.1	DETAILS
S-1.1	FOUNDATION DETAILS

April 16, 2010

CLIENT:

Southern Agcom
942 North Main St.
Blakely, GA

Barkley
CONSULTING ENGINEERS, INC.
Structural & Civil Engineers

3494 MARTIN HURST RD.
TALLAHASSEE, FLORIDA 32312
OFFICE 850-297-0440
FAX 850-297-0697

BCEI #10-00157

William M. Baldwin
William M. Baldwin I.E.

FL PE.

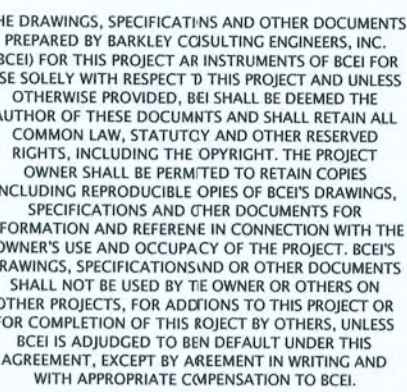
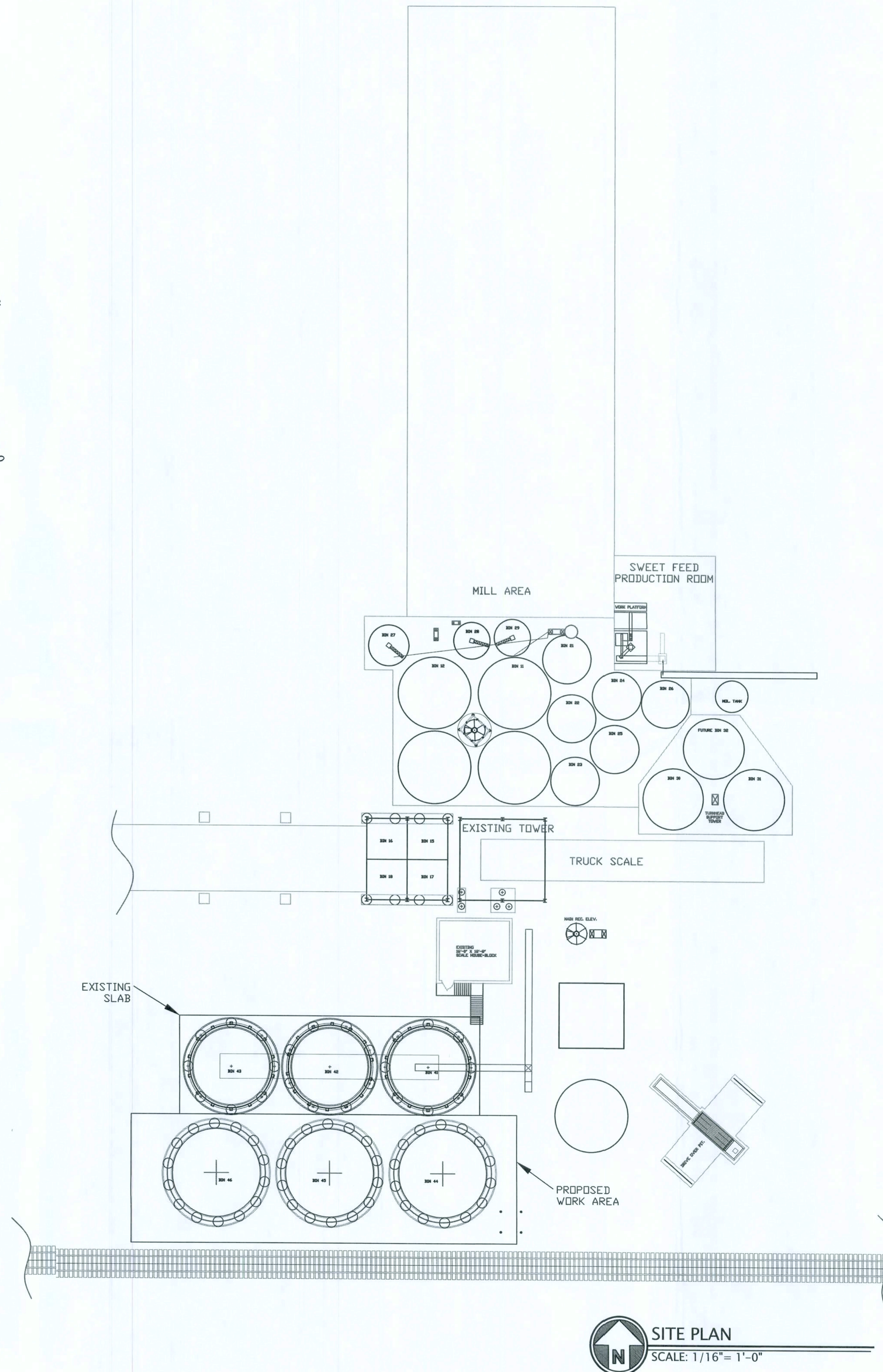
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ACI AMERICAN CONCRETE INSTITUTE
ANSI AMERICAN NATIONAL STANDARDS INSTITUTE
ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS
ASTM AMERICAN SOCIETY FOR TESTING MATERIALS
AWPA AMERICAN WOOD PRESERVERS ASSOCIATION
AWS AMERICAN WELDING SOCIETY

1. THE GOVERNING CODE FOR THIS PROJECT IS THE FLORIDA BUILDING CODE, 2007 EDITION/ 2009 SUPPLEMENTS. THIS CODE PRESCRIBES WHICH EDITION OF EACH REFERENCE STANDARD APPLIES TO THIS PROJECT.
2. TO THE BEST OF OUR KNOWLEDGE, THE STRUCTURAL DRAWINGS COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE GOVERNING BUILDING CODE.
3. CONSTRUCTION IS TO COMPLY WITH THE REQUIREMENTS OF THE GOVERNING BUILDING CODE AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL CODES, STANDARDS, REGULATIONS AND LAWS.
4. THE STRUCTURAL DOCUMENTS ARE TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DOCUMENTS. IF A CONFLICT EXISTS, THE MORE STRINGENT GOVERNS.
5. DETAILS LABELED "TYPICAL" APPLY TO ALL SITUATIONS THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY REFERENCED, WHETHER OR NOT THEY ARE KEYED IN AT EACH LOCATION. QUESTIONS REGARDING THE APPLICABILITY OF TYPICAL DETAILS SHALL BE RESOLVED BY THE ARCHITECT.
6. OPENINGS SHOWN ON STRUCTURAL DRAWINGS ARE ONLY PICTORIAL. SEE THE ARCHITECTURAL AND MEP DRAWINGS FOR THE SIZE AND LOCATION OF OPENINGS IN THE STRUCTURE.
7. CONTRACTORS WHO DISCOVER DISCREPANCIES, OMISSIONS OR VARIATIONS IN THE CONTRACT DOCUMENTS DURING BIDDING SHALL IMMEDIATELY NOTIFY THE ARCHITECT. THE ARCHITECT WILL RESOLVE THE CONDITION AND ISSUE A WRITTEN CLARIFICATION.
8. THE GENERAL CONTRACTOR SHALL COORDINATE ALL CONTRACT DOCUMENTS WITH FIELD CONDITIONS AND DIMENSIONS AND PROJECT SHOP DRAWINGS PRIOR TO CONSTRUCTION. DO NOT SCALE DRAWINGS. ONLY PRINTED DIMENSIONS. ELECTRONIC DRAWINGS SHOULD BE ASSUMED TO BE DRAWN TO SCALE. REPORT ANY DISCREPANCIES IN WRITING TO THE ARCHITECT PRIOR TO PROCEEDING WITH WORK. DO NOT CHANGE SIZE OR LOCATION OF STRUCTURAL MEMBERS WITHOUT WRITTEN INSTRUCTIONS FROM THE STRUCTURAL ENGINEER (RECORD).
9. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTY, HIS OWN WORK AND THE PUBLIC AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND JOBSITE SAFETY INCLUDING ALL OSHA REQUIREMENTS.
10. THE STRUCTURE IS DESIGNED TO BE STRUCTURALLY SOUND WHEN COMPLETED. PRIOR TO COMPLETION, THE CONTRACTOR IS RESPONSIBLE FOR STABILITY AND TEMPORARY BRACING, INCLUDING, BUT NOT LIMITED TO, MASONRY WALLS, WHEREVER THE CONTRACTOR IS UNWARE OF THESE REQUIREMENTS, THE CONTRACTOR SHALL RETAIN A FLORIDA LICENSED ENGINEER TO DESIGN AND INSPECT THE TEMPORARY BRACING AND STABILITY OF THE STRUCTURE.

5. COMPLY WITH ACI 301 AND 318.
6. PROVIDE STRUCTURAL CONCRETE WITH A MINIMUM ULTIMATE COMPRESSIVE DESIGN STRENGTH IN 28 DAYS OF
FOUNDATIONS 3,000 PSI
7. USE NORMAL WEIGHT CONCRETE FOR ALL STRUCTURAL MEMBERS. U.O.N.
8. PROVIDE ASTM A-615 GRADE 60 REINFORCING STEEL. REINFORCING SHALL BE ACCURATELY PLACED, RIGHTLY SUPPORTED AND FIRMLY TIED IN PLACE, WITH APPROPRIATE BAR SUPPORTS AND CHAIRS. PROVIDE CONTINUOUS REINFORCING 45 BAR x LAP BOTTOM STEEL OVER SUPPORTS AND TOP STEEL AT MIDSPAN. U.O.N. HOOK DISCONTINUOUS ENDS OF ALL TOP BARS AND ALL BARS IN WALLS. U.O.N.
9. PROVIDE COVER OVER REINFORCING AS FOLLOWS:
CAST AGAINST 4 EXPOSED TO EARTH/WEATHER 3"
EXPOSED TO WEATHER 2"
45 THROUGH 120 REBAR 1 1/2"
150 REBAR, 103/D31 WIRE OR SMALLER
10. WHERE SPECIFIED, PROVIDE PLAIN, COLD-DRAWN ELECTRICALLY-WELDED WIRE REINFORCING CONFORMING TO ASTM A-108, SUPPLY IN FLAT SHEETS ONLY. LAP SPlice ONE CROSS WIRE SPACING PLUS TWO TIMES
11. UTILITIES SHALL NOT PENETRATE BEAMS OR COLUMNS BUT MAY PASS THROUGH SLABS AND WALLS INDIVIDUALLY. U.O.N. FOR OPENINGS 24" LONG OR LESS, CUT REINFORCING AND REPLACE A LONG SIDE OPENING WITH SPlice BARS OF EQUIVALENT AREA WITH 45 BAR x LAP. PREPARE AND SUBMIT SHOP DRAWINGS FOR OPENINGS LONGER THAN 24". FOR RECTANGULAR OPENINGS 12" LONG OR LONGER, ADD (1) # x 6" MID DEPTH DIAPHRAGM AT ALL 4 CORNERS.
12. WHERE REINFORCING STEEL CONGESTION PERMITS, CONDUIT AND PIPES UP TO 1" MAY BE EMBEDDED IN CONCRETE PER ACI 318, SECTION 6.3. SPACE AT 3" x 0" PLACEMENT BETWEEN OTHER LAYERS OF REINFORCING IF CONDUITS ARE SIGNIFICANTLY CONGESTED. ADDITIONAL REINFORCING PERPENDICULAR TO PIPING MAY BE REQUIRED. REQUESTS TO EMBED LARGER PIPES SHOULD BE SUBMITTED BY A DETAILED DESCRIPTION AND BE SUBMITTED TO THE ARCHITECT FOR EVALUATION.
13. PROVIDE CONSTRUCTION JOINTS IN ACCORDANCE WITH ACI 318, SECTION 6.4. PROVIDE KEYWAYS AND ADEQUATE DOVELS. SUBMIT DRAWINGS SHOWING LOCATION OF CONSTRUCTION JOINTS AND DIRECTION OF POUR FOR REVIEW.
14. PROVIDE REINFORCING STEEL PLACER WITH A SET OF STRUCTURAL DRAWINGS FOR FIELD REFERENCE. INSPECT REINFORCING STEEL PLACING FROM STRUCTURAL DRAWINGS.

I. FOOTING SIZES AND REINFORCING ARE BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF. ALL FOOTINGS SHALL BEAR ON COMPACTED FILL OR NATURAL SOIL PREPARED PER THE GEOTECHNICAL REPORT.

[illegible]

<p>CENTRAL STATES ENT. FOUNDATION PLANS AND DETAILS</p> <p>668 NW Waldo St. LAKE CITY, FL</p>	<p>SOUTHERN AGCOM.</p> <p>942 N. MAIN ST. BLAKELY, GA</p>
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DRAWN:	JEF
DESIGNED:	WMB
APPROVED:	WMB
DATE:	4-19-10
BCEI #1C-00157	

William M. Baldwin
William M. Baldwin P.E.
7805

DETAILS

S-0.1

S-1.1