

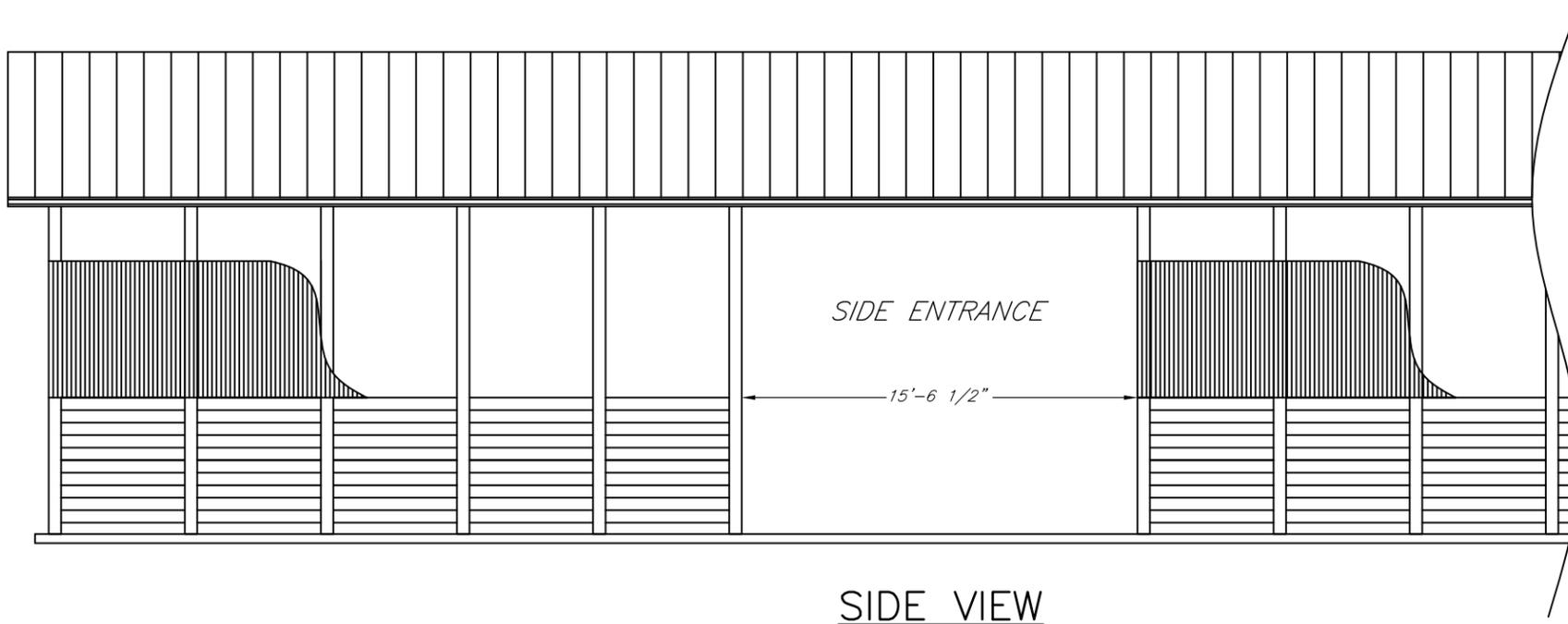
**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE**

**GEORGIA STANDARD DRAWINGS - COMBINATION
STACK / COMPOST FACILITY WITH FOUR DEEP
COMPOST BINS IN END OF BUILDING. FOR USE
WITH BUILDINGS WITH 8-FOOT POST SPACING.**

THE FOLLOWING DRAWINGS WERE PREPARED IN ACCORDANCE WITH PRACTICE CODE 317 - COMPOSTING FACILITY AND GEORGIA BUILDING CODE (INTERNATIONAL BUILDING CODE 2006). ANY CHANGES TO THESE DRAWINGS MUST BE APPROVED BY AN ENGINEER WITH JOB APPROVAL LEVEL IV OR GREATER.

THIS FACILITY IS DESIGNED TO SUSTAIN 90 MPH WINDS WITH 10 PSF SNOW LOAD OR 100 MPH WINDS WITH NO SNOW LOAD. THIS DESIGN IS NOT A STAND ALONE PRODUCT. THESE DRAWINGS SHALL BE ATTACHED TO GEORGIA POULTRY DRY STACK FACILITY DRAWING:

ga-eng-313-ps2.pdf.



SIDE VIEW

**THE NATURAL RESOURCES CONSERVATION SERVICE
HELPING PEOPLE HELP THE LAND**

COMPOST FACILITY

COUNTY, GEORGIA

PRE-CONSTRUCTION CERTIFICATION:

THE _____ COMPOSTING FACILITY HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING DRAWINGS AND PRACTICE CODE 317. ALL CHANGES HAVE BEEN APPROVED BY AN ENGINEER WITH JOB APPROVAL AUTHORITY LEVEL IV OR GREATER. ALL ADDITIONS HAVE BEEN APPROVED BY NRCS.

OWNER	DATE	NRCS REPRESENTATIVE	DATE	ENGINEER (IF REQUIRED)	DATE
-------	------	---------------------	------	------------------------	------

AS-BUILT CERTIFICATION:

THIS PRACTICE HAS BEEN CONSTRUCTED IN ACCORDANCE TO THESE PLANS AND MEETS NRCS STANDARDS AND SPECIFICATIONS.

NRCS REPRESENTATIVE	DATE	ENGINEER (IF REQUIRED)	DATE
---------------------	------	------------------------	------

COMPOSTING FACILITY:

JOB CLASS: _____

INDEX TO DRAWINGS:

- SHEET 1 - COVER SHEET
SIDE VIEW
- SHEET 2 - PLAN VIEW
- SHEET 3 - SIDE ENTRANCE DETAIL
BIN WALL AND POST EMBEDMENT DETAIL
CONCRETE POST FOOTING DETAIL
MECHANICAL POST ANCHOR CONCRETE
FOOTING DETAIL
- SHEET 4 - GIRDER HANGER DETAILS
TRUSS TO POST CONNECTION DETAIL
TRUSS TO HEADER BEAM DETAIL

REVISIONS		
DATE	APPROVED	TITLE
09/05	H. MCFARLAND	STATE ENGINEER
10/07	H. MCFARLAND	STATE ENGINEER
06/11	J. HOLLOWAY	STATE ENGINEER

Designed	W. Brown	Date	10/07
Drawn	S. Rogers	Date	10/07
Checked	H. McFarland	Date	10/07
Approved	J. Holloway	Date	10/07
	H. McFarland	Date	10/07

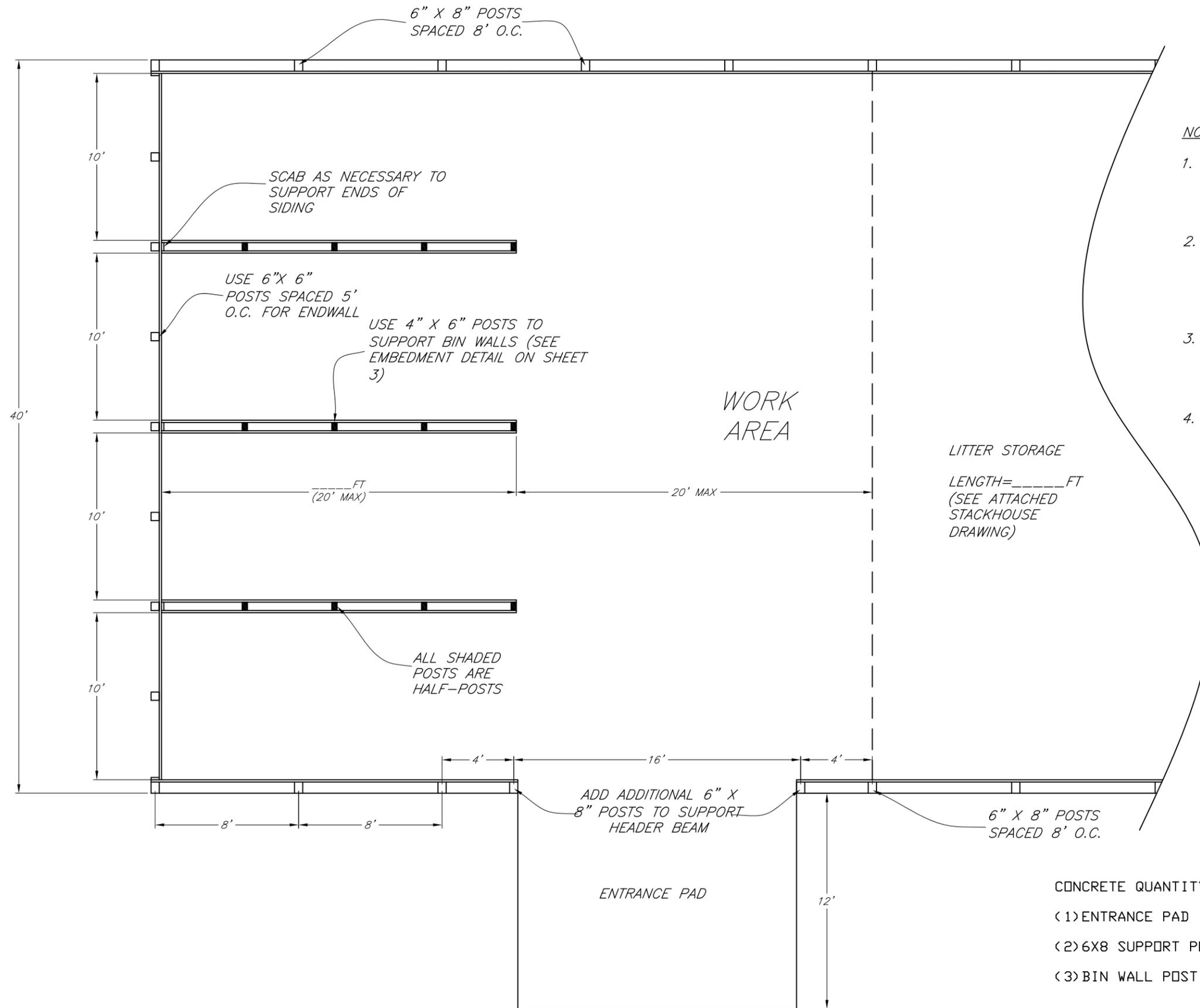
GEORGIA COMBINATION
 STACK/COMPOSTING FACILITY
 (Four Deep Compost Bins)



File No.
ga-eng-317-c5.pdf

Drawing No.
Cover

06/15/2011 8:57 AM
Sheet 1 of 4



NOTES:

1. ALL ENTRANCE PADS SHALL BE STABILIZED USING PRACTICE STANDARD 561 - HEAVY USE AREA.
2. ALL POSTS SHALL BE SET IN CONCRETE WITH CONCRETE OR GRAVEL FOOTING PAD (SEE BIN WALL AND POST EMBEDMENT DETAIL ON SHEET 3).
3. ON SITE WATER SOURCE IS NECESSARY TO MAINTAIN MOISTURE CONTENT OF COMPOST.
4. MAXIMUM BIN LENGTH IS 20'. MAXIMUM WORK AREA IS 20'.

CONCRETE QUANTITY: *

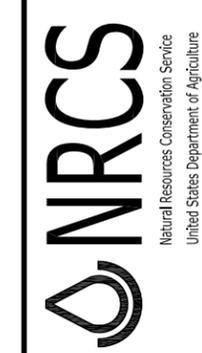
- (1) ENTRANCE PAD _____ SQFT
- (2) 6X8 SUPPORT POST HOLES _____ CY
- (3) BIN WALL POST HOLES _____ CY

NOTE: ** REFER TO STACKHOUSE DRAWING FOR ALL OTHER CONCRETE QUANTITIES

PLAN VIEW

Date	10/07
Designed	W. Brown
Drawn	S. Rogers H. McFarland
Checked	J. Holloway
Approved	H. McFarland

**GEORGIA COMBINATION
 STACK/COMPOSTING FACILITY
 (Four Deep Compost Bins)**



File No.
ga-eng-317-c5.pdf

Drawing No.
Plan

REVISIONS		
DATE	APPROVED	TITLE
09/05	H. MCFARLAND	STATE ENGINEER
10/07	H. MCFARLAND	STATE ENGINEER

TOE NAIL ALL 5 TRUSSES TO GLULAM TIMBER USING 2-16D NAILS PER TRUSS

JOIN GIRDER TO BEAM USING HANGER (SEE DETAIL ON SHEET 4)

HEADER BEAM SHALL BE 5" X 12-3/8" SOUTHERN PINE GLULAM TIMBER

6" X 8" SUPPORT POST

HEADER BEAM (SEE TRUSS TO HEADER BEAM DETAIL ON SHEET 4)

12' OR 14'

16'

SIDE ENTRANCE

10"-WIDE PRESSURE TREATED CAP

4" X 6" PRESSURE TREATED POST

2" X 6" PRESSURE TREATED LUMBER

CONCRETE FLOOR

CONCRETE CASING AROUND POST

CONCRETE QUANTITY PER POST HOLE: 0.20 CY

CONCRETE OR GRAVEL FOOTING PAD

BIN WALL AND POST EMBEDMENT

NOTES:

1. EXAMPLE CONNECTOR SHOWN AT LEFT.
2. MINIMUM UPLIFT RESISTANCE REQUIRED IS 3291 LBS.
3. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
4. CONNECTOR SHALL BE GALVANIZED.

CONCRETE QUANTITY PER POST HOLE: 0.30 C. Y.

GROUND SURFACE

CONCRETE CASING AROUND POST

15" X NO.4 HOT DIPPED GALVANIZED OR EPOXY COATED REBAR OR 15" X 1/2" HOT DIPPED GALVANIZED THREADED ROD

CONCRETE OR GRAVEL FOOTING PAD

CONCRETE POST FOOTING DETAIL

CONCRETE QUANTITY:

<1> BIN WALL POST HOLES _____CY

<2> ENTRANCE PAD _____SQFT

NOTE: REFER TO STACKHOUSE DRAWING FOR ALL OTHER CONCRETE QUANTITIES

WOOD TREATMENT TABLE

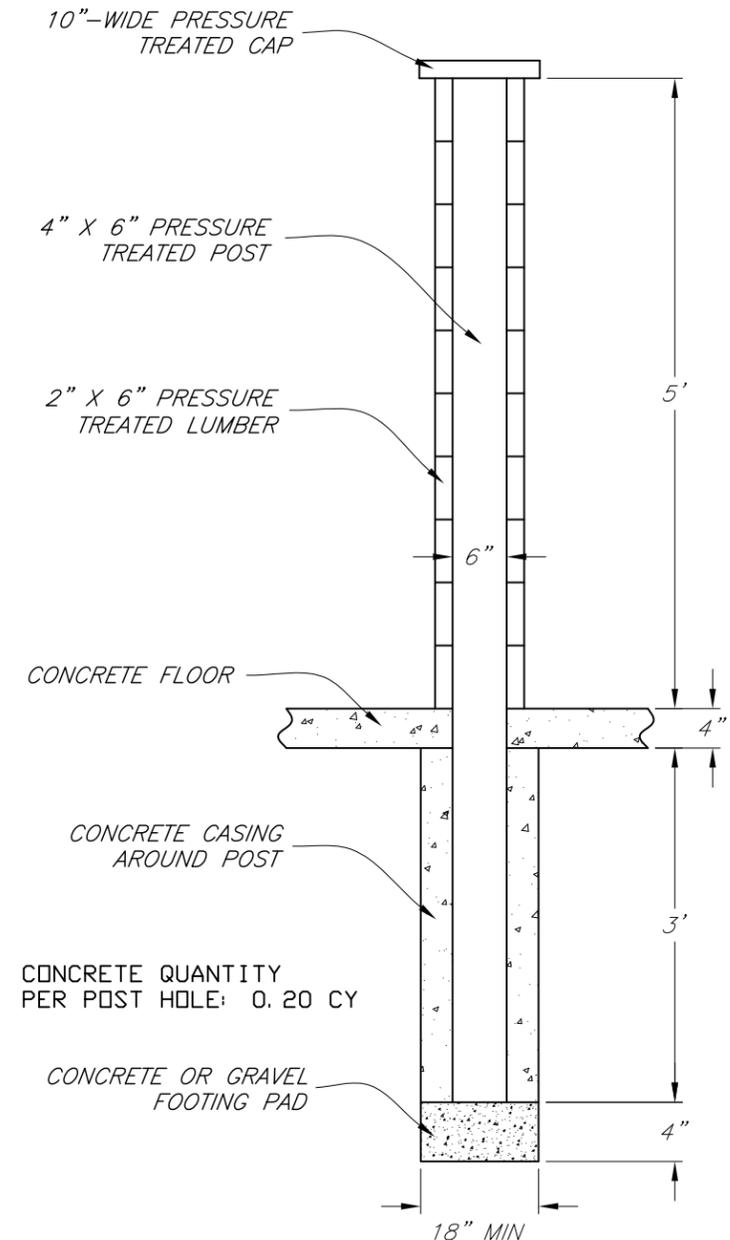
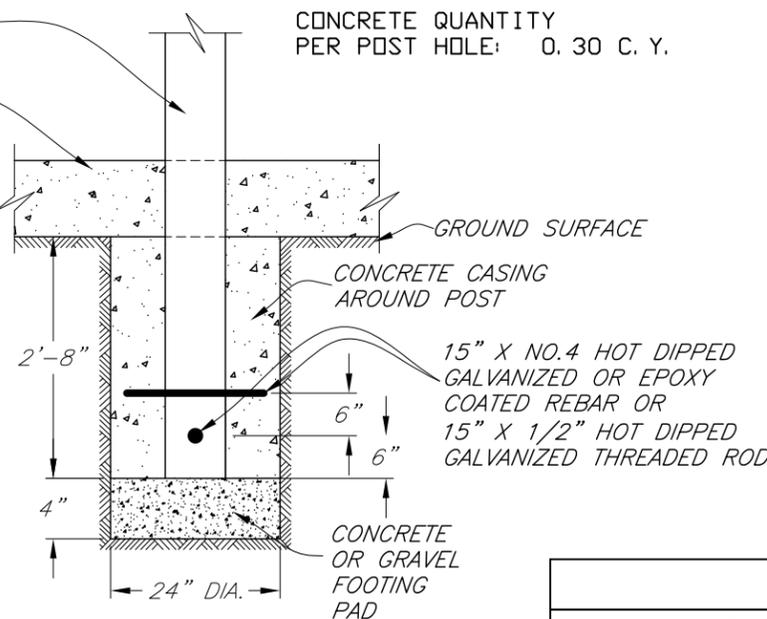
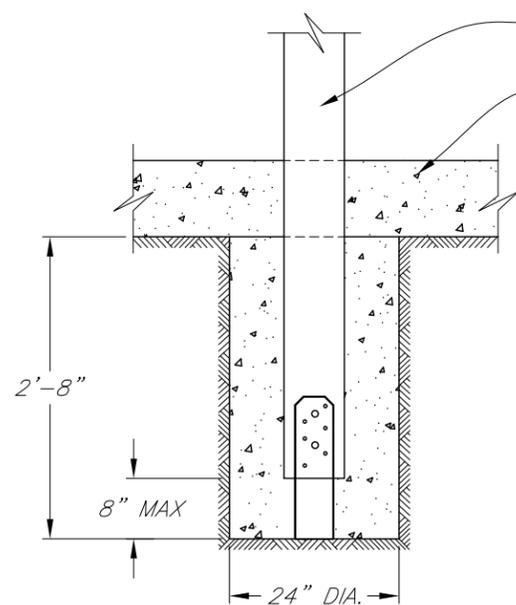
USE	MINIMUM RETENTION RATES IN PCF				
	CCA	ACQ-C/D	CBA-A	CA-B	MCA
GROUND CONTACT OR FRESH WATER	0.40	0.40	0.41	0.21	0.15
IMPORTANT STRUCTURAL MEMBERS	0.60	0.60	0.61	0.31	0.23

CCA - CHROMATED COPPER ARSENATE
 ACQ-C/D - ALKALINE COPPER QUATERNARY
 CBA-A & CA-B - COPPER AZOLE
 MCA - MICRONIZED COPPER AZOLE

NOTES:

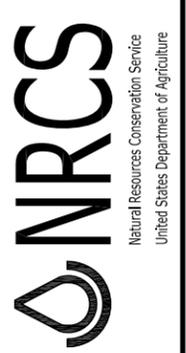
1. ALL WOODEN WALLS, HALF POSTS, AND BIN FRONT WOOD SHALL MEET THE GROUND CONTACT RATES.
2. ALL SUPPORT POSTS SHALL MEET THE IMPORTANT STRUCTURAL MEMBER RATES.

MECHANICAL POST ANCHOR CONCRETE FOOTING DETAIL



Date	Designed	Drawn	Checked	Approved
10/07	W. Brown	S. Rogers	H. McFarland	H. McFarland
10/07		H. McFarland	J. Holloway	
10/07				

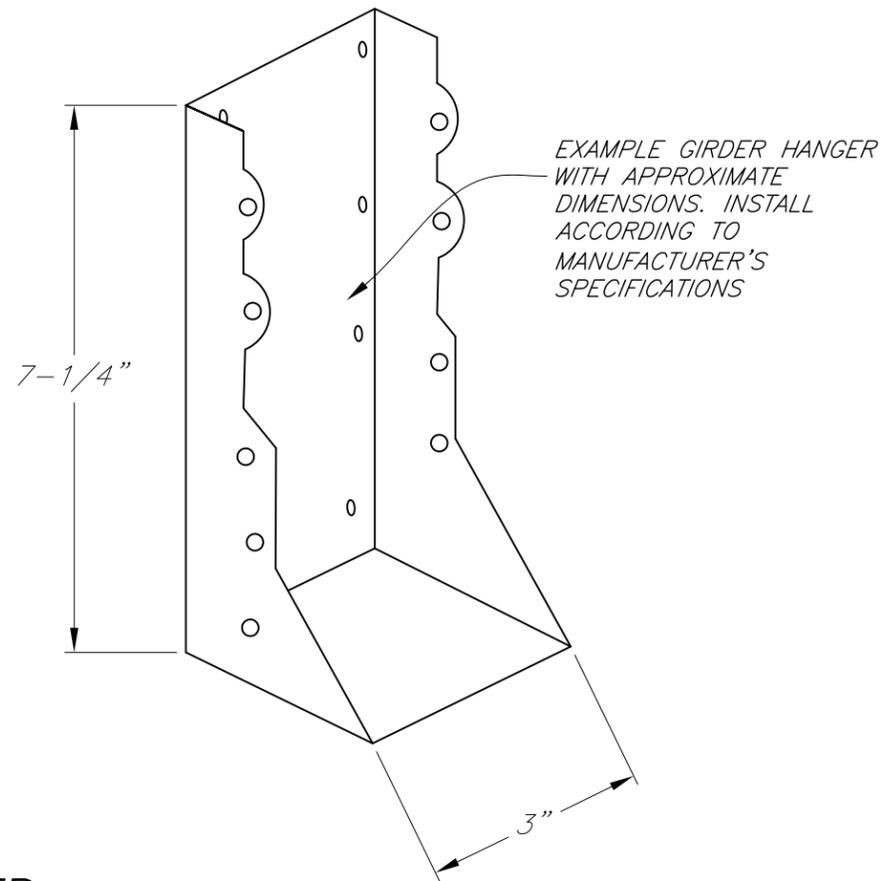
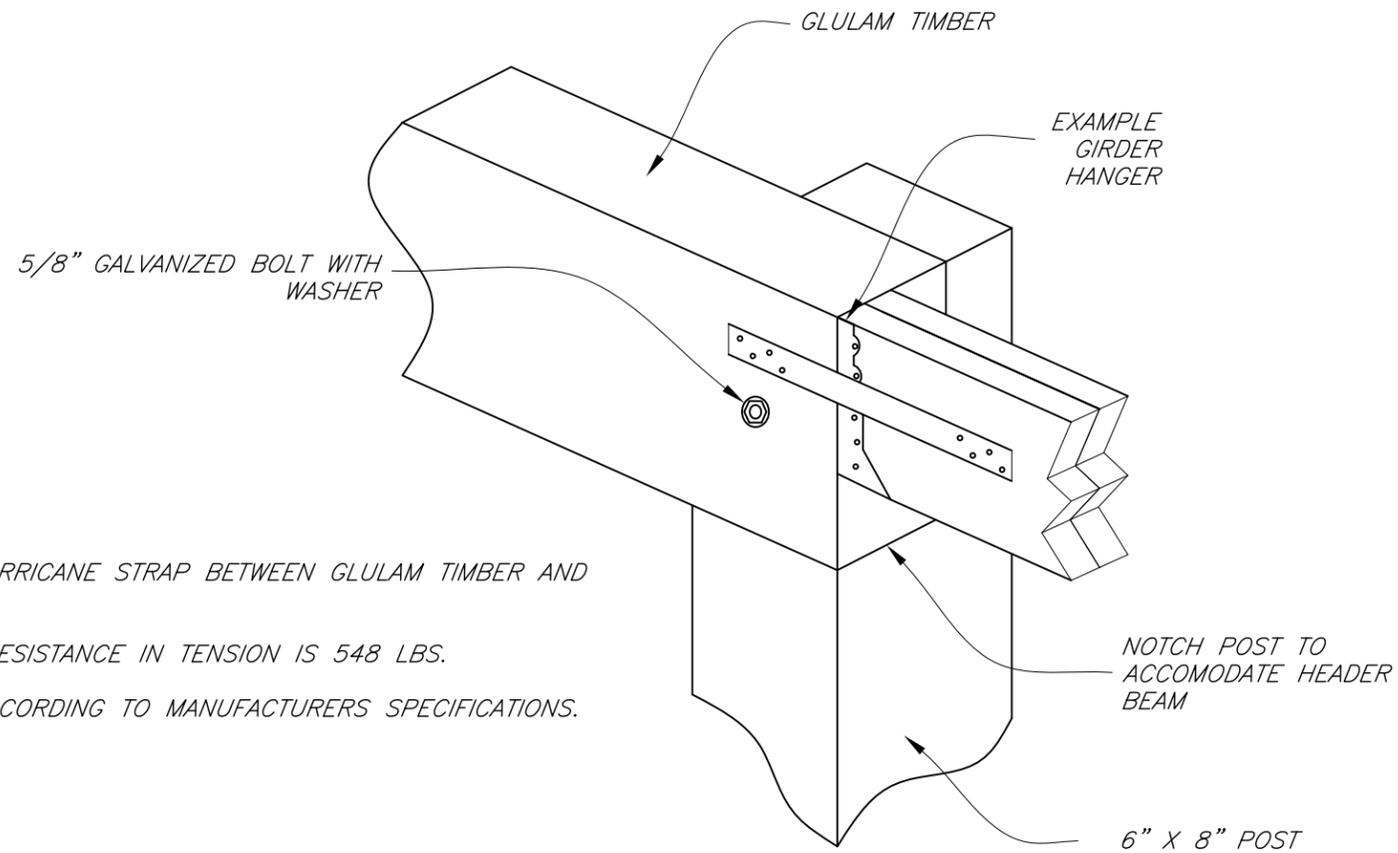
GEORGIA COMBINATION
 STACK/COMPOSTING FACILITY
 (Four Deep Compost Bins)
 County, GA



File No. go-eng-317-c5_rev 102010.pdf

Drawing No. Detail 1

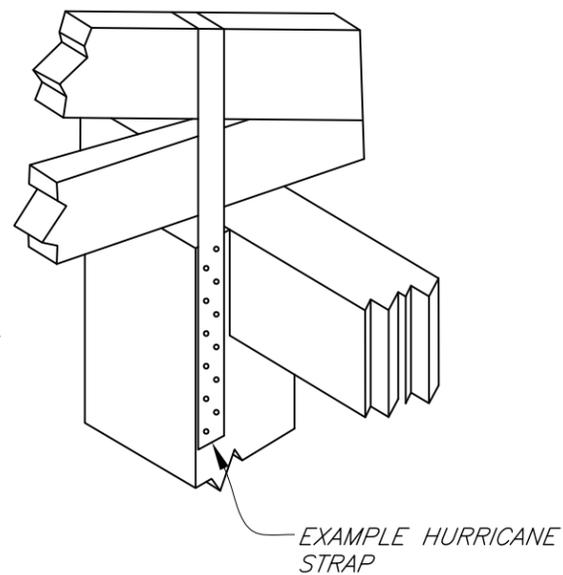
REVISIONS		
DATE	APPROVED	TITLE
09/05	H. MCFARLAND	STATE ENGINEER
10/07	H. MCFARLAND	STATE ENGINEER
10/10	J. HOLLOWAY	STATE ENGINEER



GIRDER HANGER

NOTES:

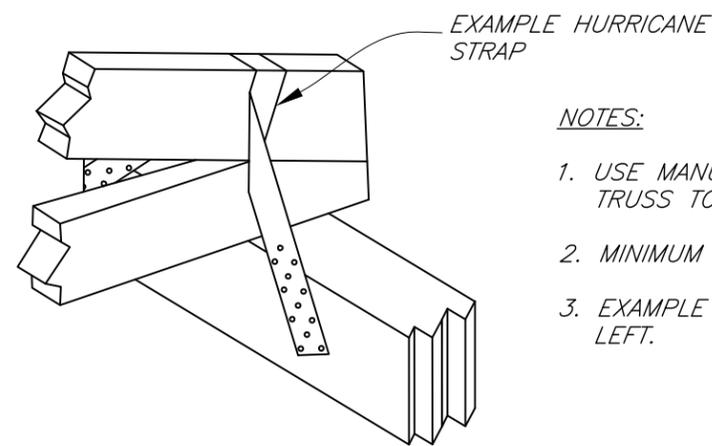
1. INSTALL HURRICANE STRAP BETWEEN GLULAM TIMBER AND GIRDER.
2. MINIMUM RESISTANCE IN TENSION IS 548 LBS.
3. INSTALL ACCORDING TO MANUFACTURERS SPECIFICATIONS.



TRUSS TO POST CONNECTION

NOTES:

1. USE HURRICANE STRAP AT POST TO HEADER BEAM CONNECTION.
2. MINIMUM UPLIFT RESISTANCE IS 2025 LBS.
3. USE 16 GAUGE, GALVANIZED, 2-1/16\"/>



TRUSS TO HEADER BEAM CONNECTION

NOTES:

1. USE MANUFACTURED HURRICANE STRAPS AT TRUSS TO HEADER BEAM CONNECTIONS.
2. MINIMUM UPLIFT RESISTANCE IS 1218 LBS.
3. EXAMPLE HURRICANE STRAP IS SHOWN AT LEFT.

Date	10/07
Designed	W. Brown
Drawn	S. Rogers
Checked	H. McFarland
Approved	J. Holloway
	H. McFarland

Georgia
**GEORGIA COMBINATION
 STACK/COMPOSTING FACILITY**
 (Four Deep Compost Bins)
 County, GA



File No.	ga-eng-317-c5.pdf
Drawing No.	Detail 2
Date	11/1/2007 3:43 PM
Sheet	4 of 4

REVISIONS		
DATE	APPROVED	TITLE
09/05	H. MCFARLAND	STATE ENGINEER
10/07	H. MCFARLAND	STATE ENGINEER