

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

**GEORGIA STANDARD DRAWINGS - COMBINATION STACK /
COMPOST FACILITY WITH FOUR DEEP COMPOST BINS IN
END OF THE BUILDING. FOR USE WITH BUILDINGS WITH
5-FOOT POST SPACING. MAX POST HEIGHT IS 12 FEET.**

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 110 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 DRAWINGS: **ga-eng-313-ps1.pdf, ga-eng-313-ps4.pdf, ga-eng-317-hs1.pdf, OR ga-eng-317-hs3.pdf.**

STACK / COMPOST FACILITY

COUNTY, GEORGIA

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

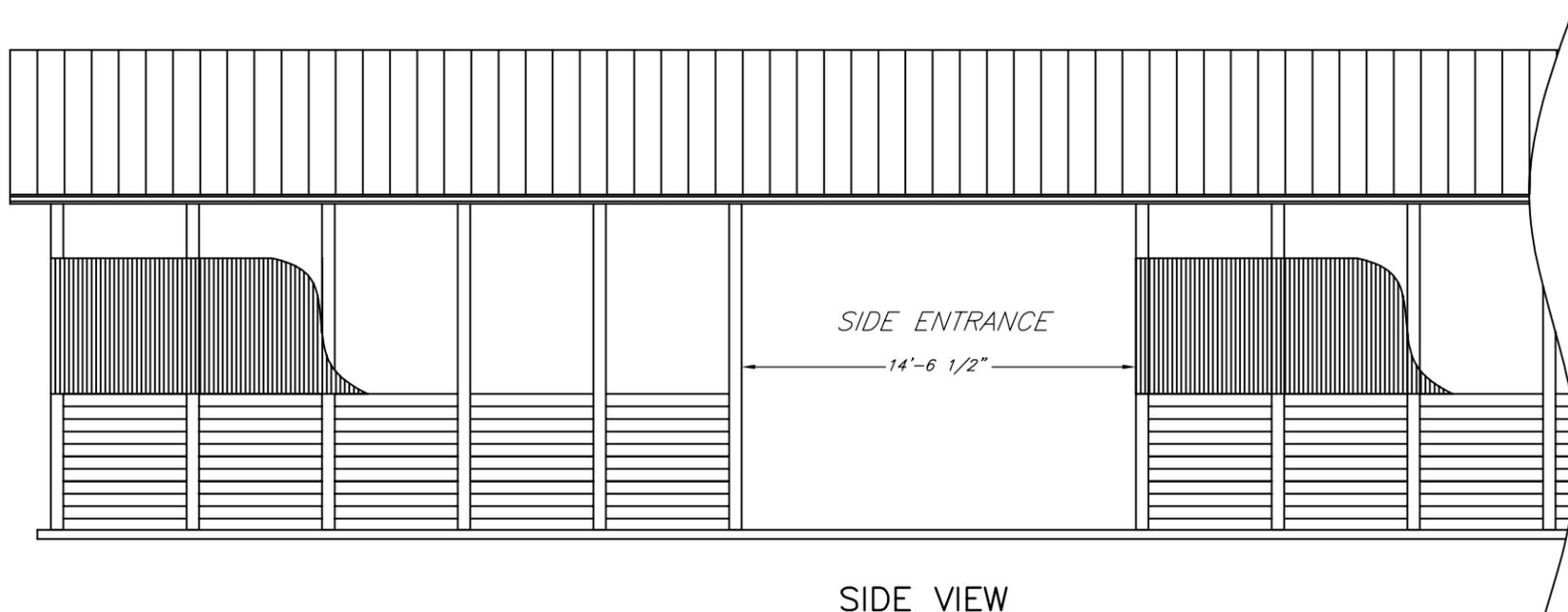
CERTIFICATION:

THE _____ COMBINATION STACK / COMPOST FACILITY WILL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING DRAWINGS AND PRACTICE CODE 317. ALL CHANGES WERE APPROVED BY AN ENGINEER WITH JOB APPROVAL AUTHORITY LEVEL IV OR GREATER.

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

INDEX TO DRAWINGS:

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



SIDE VIEW

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

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

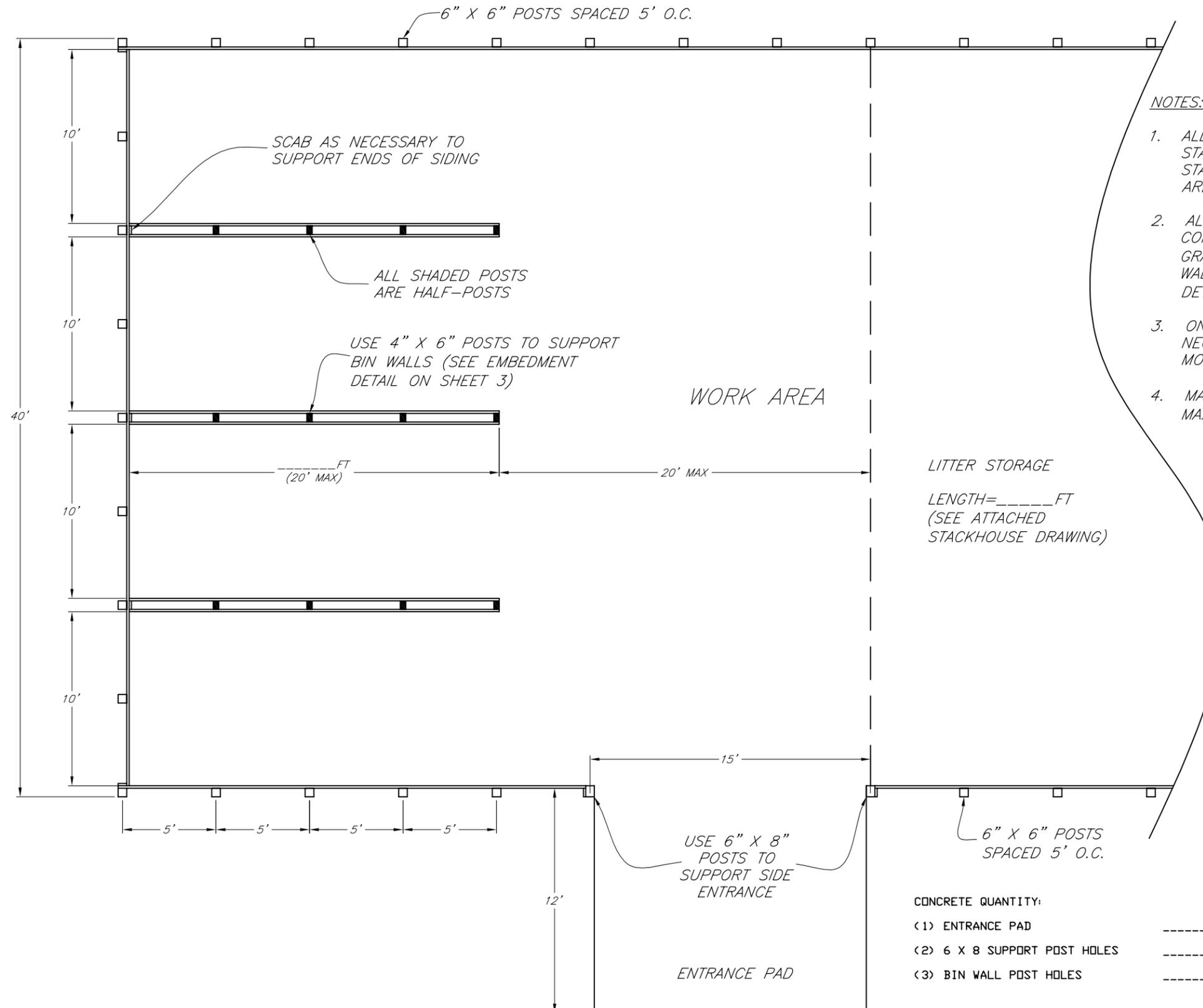


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Drawing No.
Cover

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

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- 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) 6 X 8 SUPPORT POST HOLES _____ CY

(3) BIN WALL POST HOLES _____ CY

PLAN VIEW

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

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

County, GA



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Drawing No.
Plan

REVISIONS		
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TOE NAIL ALL 4 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 BEAM DETAIL ON SHEET 4)

10"-WIDE PRESSURE TREATED CAP

4" X 6" PRESSURE TREATED POST

2" X 6" PRESSURE TREATED LUMBER

12' OR 14'

15'

SIDE ENTRANCE

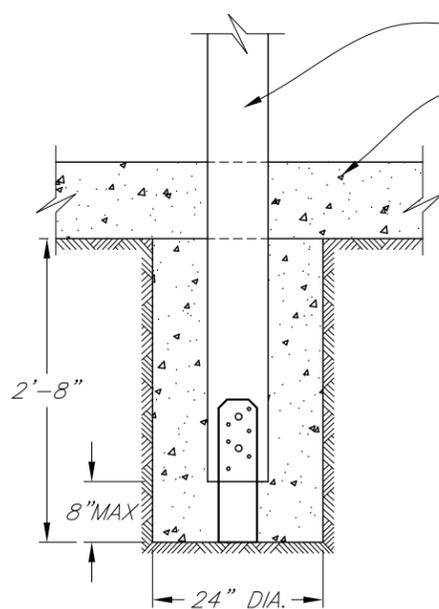
CONCRETE FLOOR

CONCRETE CASING AROUND POST

CONCRETE QUANTITY PER POST HOLE: 0.20 CY

CONCRETE OR GRAVEL FOOTING PAD

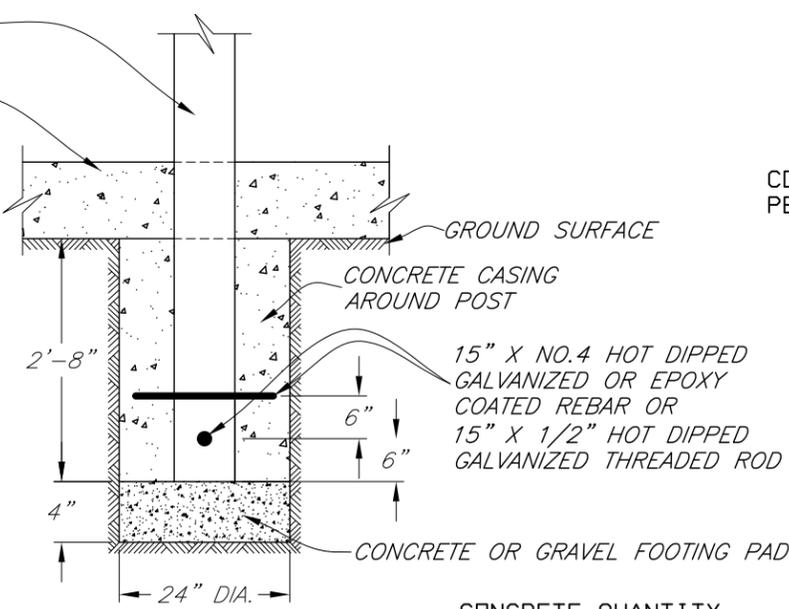
BIN WALL AND POST EMBEDMENT



MECHANICAL POST ANCHOR CONCRETE FOOTING DETAIL

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 POST FOOTING DETAIL

CONCRETE QUANTITY PER POST HOLE: 0.30 C. Y.

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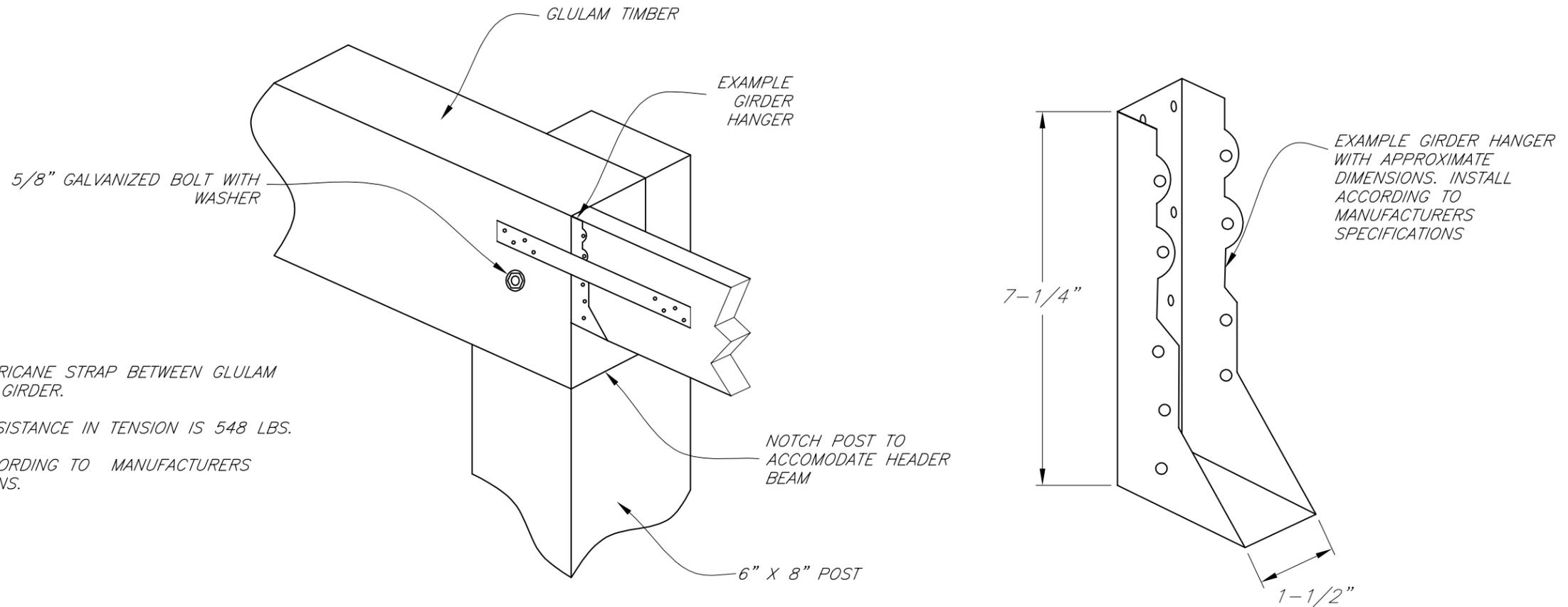


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Drawing No.
Detail 1

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County, GA



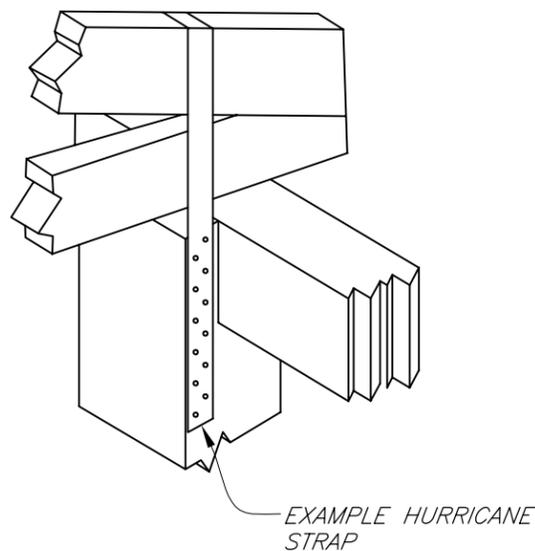
NOTES:

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

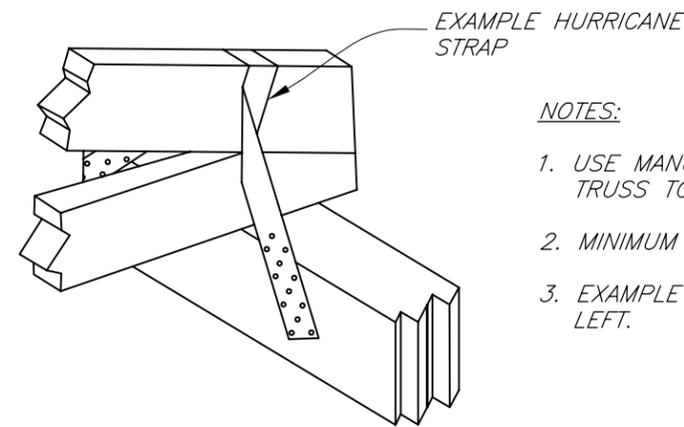
GIRDER HANGER

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 POST 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.

TRUSS TO HEADER BEAM CONNECTION

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Drawing No.
Detail 2

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