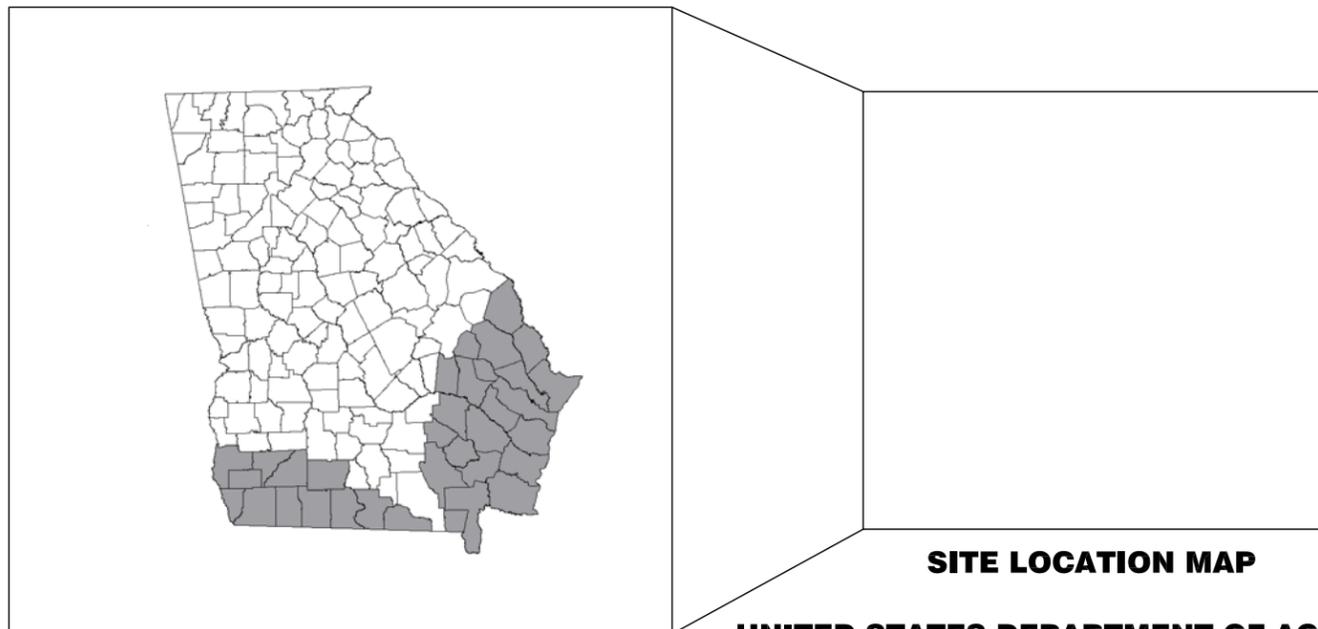


**ANIMAL MORTALITY FACILITY
GEORGIA STANDARD DRAWINGS
20-FOOT SIDE SHED COMPOSTER**

8" X 8" POST CONSTRUCTION, AT 10-FOOT O.C. POST SPACING

1. THE FOLLOWING DRAWINGS WERE PREPARED IN ACCORDANCE WITH PRACTICE CODE 316 – ANIMAL MORTALITY FACILITY, 561 – HEAVY USE AREA, 367 – ROOFS AND COVERS AND GEORGIA BUILDING CODE (INTERNATIONAL BUILDING CODE 2006).
2. DESIGN DATA REQUIRED BY IBC 2006:
 - A) ROOF LIVE LOAD – 19 PSF.
 - B) BASIC WIND SPEED OF 90 MPH AND GROUND SNOW LOAD OF 10 PSF OR BASIC WIND SPEEDS OF 100 MPH AND NO SNOW LOAD.
 - C) IMPORTANCE FACTOR, I = 0.87.
 - D) WIND EXPOSURE CATEGORY C, PARTIALLY ENCLOSED STRUCTURE.
 - E) INTERNAL PRESSURE COEFFICIENT = 0.55.
3. ENGINEERED TRUSSES SHALL BE DESIGNED TO SUSTAIN THE ABOVE LISTED CONDITIONS. ONE COPY OF THESE DRAWINGS, DRAWING GA-ENG-313-PS1 AND FORM GA-ENG-317E SHALL BE SUBMITTED TO THE TRUSS DESIGNER. THE TRUSS DESIGN DRAWING FROM THE TRUSS COMPANY MUST BE REVIEWED AND APPROVED BY NRCS.
4. THIS DESIGN IS NOT INTENDED FOR USE IN EXTREME SOUTH AND EAST COUNTIES OF THE STATE THAT ARE SUBJECT TO HURRICANE WIND LOADS (SEE MAP BELOW).
5. THIS DESIGN IS NOT INTENDED FOR CONSTRUCTION ON AN ISOLATED HILL, RIDGE, OR ESCARPMENT IN ANY REGION OF THE STATE.
6. ANY CHANGES TO THESE DRAWINGS MUST BE APPROVED BY AN ENGINEER WITH JOB APPROVAL LEVEL IV OR GREATER.
7. NO ADDITIONS SHOULD BE MADE TO STRUCTURE WITHOUT APPROVAL FROM NRCS.
8. THESE DRAWINGS MUST BE SITE SPECIFIC TO ACCOUNT FOR WASTE PRODUCTION VALUES; LENGTH MUST BE DETERMINED.

NOTE: THIS FACILITY SHALL BE CONSTRUCTED AS AN EXTENSION OF ANY GEORGIA NRCS STANDARD STACKING FACILITY WITH ENGINEERED TRUSSES SPACED 5' O.C. MAXIMUM POST HEIGHT OF 12 FOOT. THIS DESIGN IS NOT A STAND ALONE PRODUCT. THESE DRAWINGS SHALL BE ATTACHED TO THE GEORGIA POULTRY DRY STACK FACILITY DRAWING: ga-eng-313-ps1.pdf



SITE LOCATION MAP

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE HELPING
PEOPLE HELP THE LAND**

THIS DESIGN IS NOT INTENDED FOR USE IN COUNTIES SUBJECT TO HURRICANE WIND LOADS SHADED GRAY ABOVE.

ANIMAL MORTALITY FACILITY

COUNTY, GEORGIA

PRE-CONSTRUCTION CERTIFICATION:

THE _____ ANIMAL MORTALITY FACILITY HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING DRAWINGS AND PRACTICE CODES 316, 367, AND 561. 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
---------------------	------	------------------------	------

ANIMAL MORTALITY FACILITY:

JOB CLASS: _____

HEAVY USE AREA:

JOB CLASS: _____

ROOFS AND COVERS:

JOB CLASS: _____

INDEX TO DRAWINGS:

- SHEET 1 - COVER SHEET
- SHEET 2 - GENERAL NOTES
ELEVATION VIEW
FIBER REINFORCED CONTRACTION JOINT DETAIL
WOOD TREATMENT TABLE
- SHEET 3 - PLAN VIEW
- SHEET 4 - SIDE VIEW
SIDE SHED ELEVATION VIEW
CONCRETE POST FOOTING DETAIL
MECHANICAL ANCHOR CONCRETE POST FOOTING DETAIL
- SHEET 5 - 8" X 8" POST CONNECTION DETAILS
SIDEWALL
GIRDER TO POST CONNECTION
HURRICANE STRAP (WITH POST)
HURRICANE STRAP (WITHOUT POST)
- SHEET 6 - SIDE SHED CONNECTION DETAILS
GIRDER AND RAFTER TO POST CONNECTIONS
HURRICANE CLIP
HURRICANE STRAP



REVISIONS		
DATE	APPROVED	TITLE
09/05	H. MCFARLAND	STATE ENGINEER
10/07	H. MCFARLAND	STATE ENGINEER
06/11	J. HOLLOWAY	STATE ENGINEER
07/13	D. ROBERTS	ACTING STATE ENGINEER
06/16	D. GUTHRIE	STATE ENGINEER

Approved	_____	Date	_____
Checked	_____	Designed	W. Brown 07/07
Designed (Length)	_____	Drawn	S. Rogers 10/07
		Checked	H. McFarland 07/07
		Approved	H. McFarland 10/07

ANIMAL MORTALITY FACILITY
20' Side Shed
Composting Facility Extension



File No. ga-eng-316-c8_rev_062016

Drawing No. Cover

July 2013
Sheet 1 of 6

GENERAL NOTES:

1. THE BUILDING SITE SHALL BE CLEARED AND GRUBBED AS REQUIRED. PROPER DRAINAGE SHALL BE PROVIDED AROUND THE ENTIRE BUILDING SO THAT RUNOFF WATER DOES NOT ENTER OR POND NEAR BUILDING. DESIGN FOR ROOF RUNOFF IN ACCORDANCE WITH PRACTICE CODE 558 – ROOF RUNOFF MANAGEMENT OR STABILIZE SOIL AROUND BUILDING USING PRACTICE CODE 342 – CRITICAL AREA PLANTING.
2. CONCRETE FLOORS AND FOOTINGS SHALL BE PLACED ON FIRM SOIL. ALL LOOSE SOIL SHALL BE REMOVED. IF FILL MATERIAL IS USED, PLACE IN 9" THICK LAYERS AND COMPACT WITH SHEEPSFOOT ROLLER OR OTHER EQUIVALENT COMPACTION METHOD.
3. ALL POSTS SHALL BE SET IN CONCRETE WITH CONCRETE OR GRAVEL FOOTING PAD (SEE CONCRETE POST FOOTING DETAIL ON SHEET 4).
4. ALL ENTRANCE AREAS SHALL BE STABILIZED USING PRACTICE STANDARD 561 – HEAVY USE AREA.
5. TRUSSES SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN GEORGIA AND WILL BE INSTALLED AS DESIGNED. DESIGNS STAMPED BY A PROFESSIONAL ENGINEER SHALL BE PROVIDED TO NRCS FOR REVIEW.
6. ALL LUMBER, INCLUDING THE POSTS, IN CONTACT WITH LITTER, COMPOST, OR CONCRETE SHALL BE PRESSURE TREATED (SEE WOOD TREATMENT TABLE ON SHEET 4).
7. ALL DIMENSION LUMBER SHALL BE SOUTHERN PINE NO. 2 OR BETTER.
8. ALL NAILS, BOLTS, AND OTHER CONNECTORS SHALL BE OF HOT-DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER. NAILS SHALL HAVE SPIRALED OR RINGED (ANNULAR) SHANKS. ALL REFERENCES TO "GALVANIZED" IN THIS SET OF DRAWINGS REFERS TO THE ABOVE LISTED COATINGS.
9. ROOFING SHALL BE 29 GAUGE GALVANIZED METAL. INSTALL ACCORDING TO MANUFACTURER SPECIFICATIONS. SEALANT SHALL BE APPLIED TO ALL LAPS ON SIDE SHEDS.
10. TRUSS BRACING SHALL BE COMPLETED IN ACCORDANCE WITH THE TRUSS DESIGN DRAWING PROVIDED BY THE TRUSS MANUFACTURER AND THE ATTACHED DRAWING "ga-eng-313-ps1.pdf".
11. POWER SUPPLY TO THE BUILDING IS RECOMMENDED FOR NIGHT OPERATIONS AND REPAIR WORK.
12. ON SITE WATER SOURCE IS NECESSARY TO MAINTAIN WATER CONTENT OF COMPOST.
13. ALL DISTURBED AREAS SHALL BE VEGETATED USING PRACTICE CODE 342 – CRITICAL AREA PLANNING.
14. CALL BEFORE YOU DIG: 811, 1-800-282-7411 OR 770-623-4344.
15. ENDWALL OPENING IS OPTIONAL.

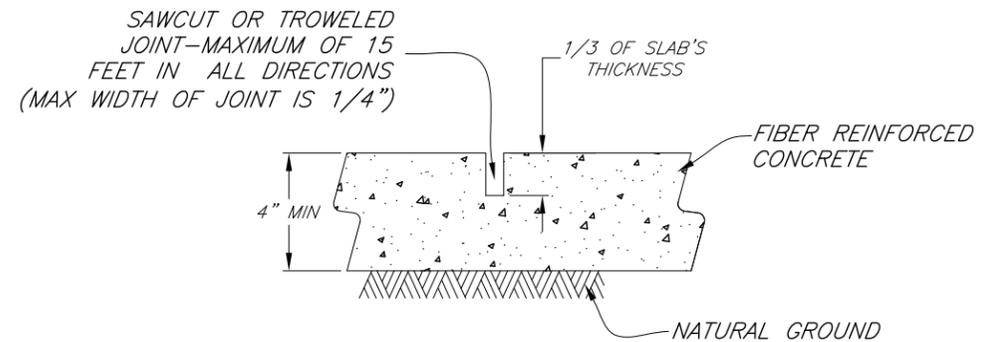
WOOD TREATMENT TABLE

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

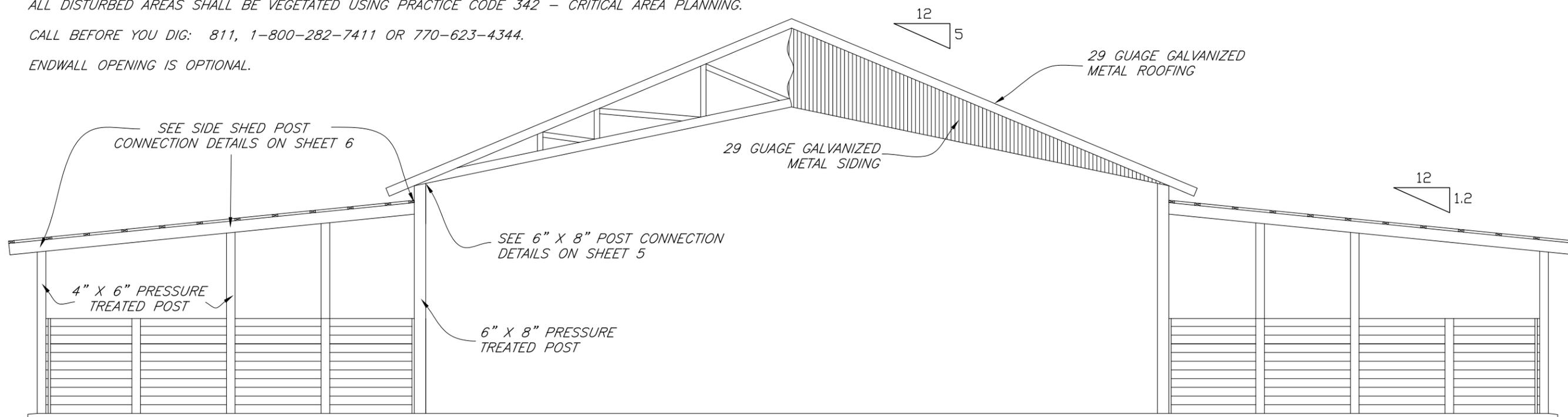
CCA - CHROMATED COPPER ARSENATE
 ACQ-C/D - ALKALINE COPPER QUATERNARY
 CBA-A & CA-B - COPPER AZOLE
 MCA - MICRONIZED COPPER AZOLE

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.



FIBER REINFORCED CONTRACTION JOINT



ELEVATION VIEW

REVISIONS		
DATE	APPROVED	TITLE
09/05	H. MCFARLAND	STATE ENGINEER
10/07	H. MCFARLAND	STATE ENGINEER
10/10	J. HOLLOWAY	STATE ENGINEER
07/13	D. ROBERTS	ACTING STATE ENGINEER

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

ANIMAL MORTALITY FACILITY
 20' Side Shed
 Composting Facility Extension



File No.
ga-eng-316-c8_rev_062016

Drawing No.
Elevation

July 2013
Sheet 2 of 6

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

ANIMAL MORTALITY FACILITY
 20' Side Shed
 Composting Facility Extension



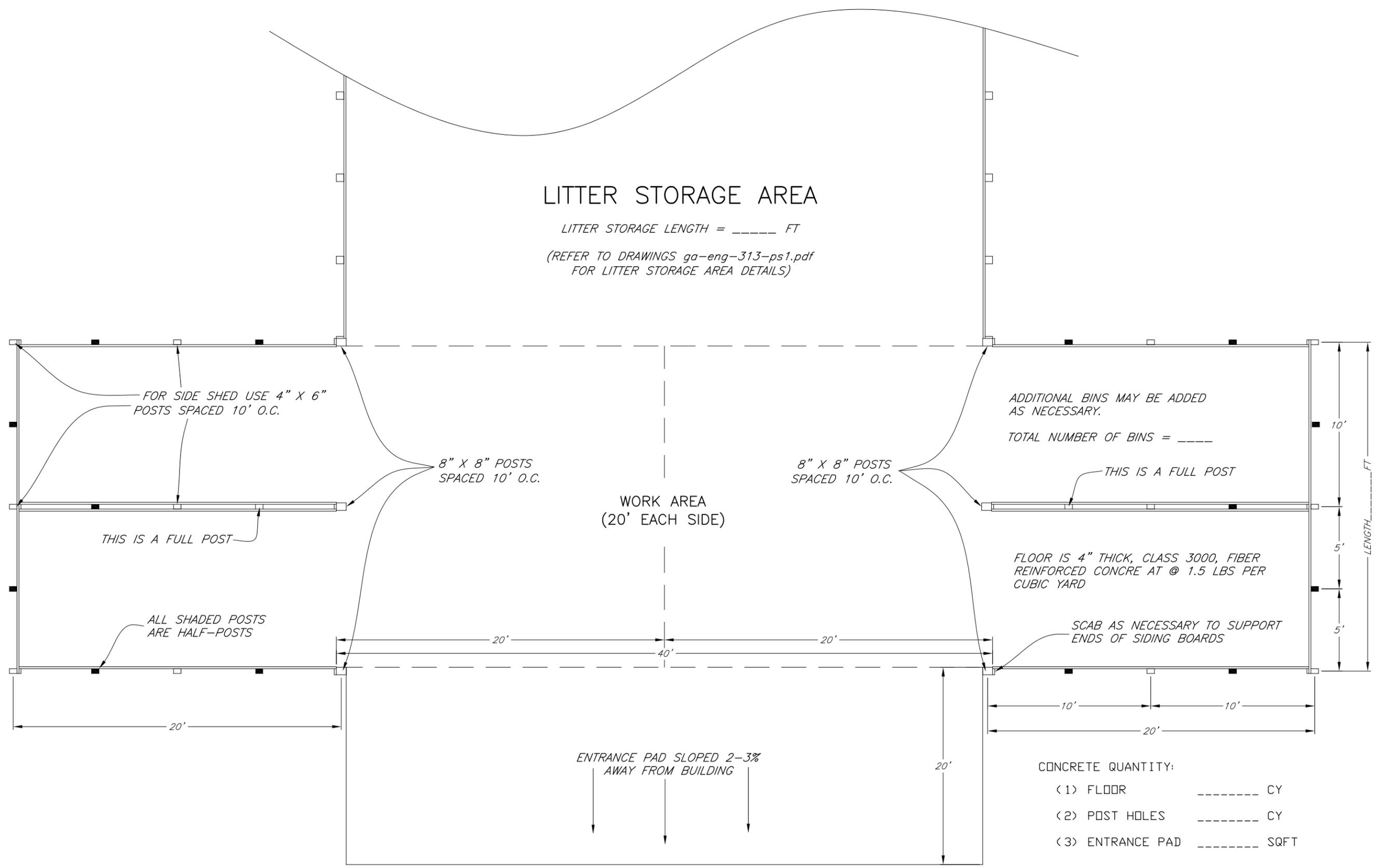
File No.
 ga-eng-316-c8_rev_062016

Drawing No.
 Plan

July 2013
 Sheet 3 of 6

LITTER STORAGE AREA

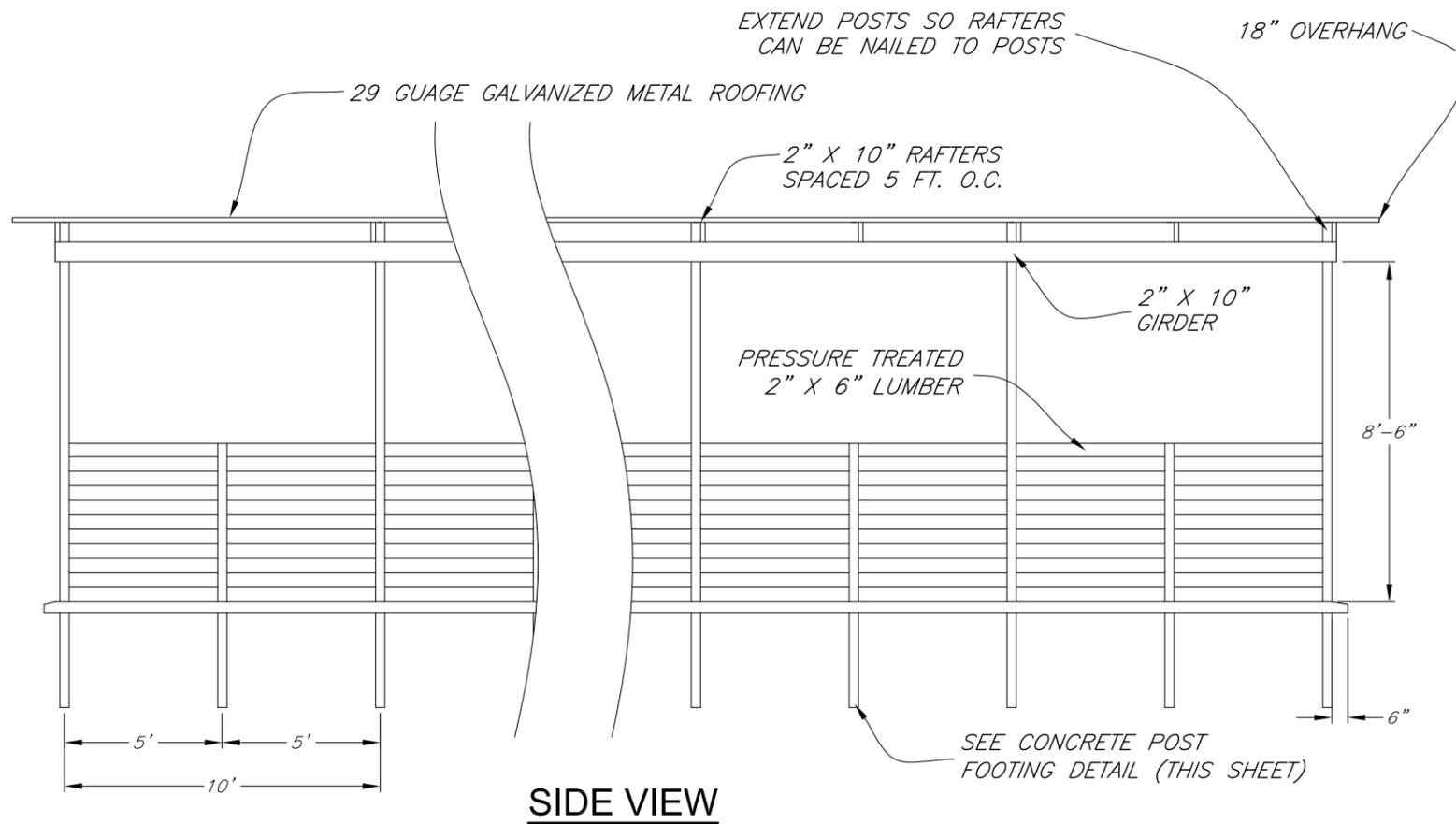
LITTER STORAGE LENGTH = _____ FT
 (REFER TO DRAWINGS ga-eng-313-ps1.pdf
 FOR LITTER STORAGE AREA DETAILS)



PLAN VIEW

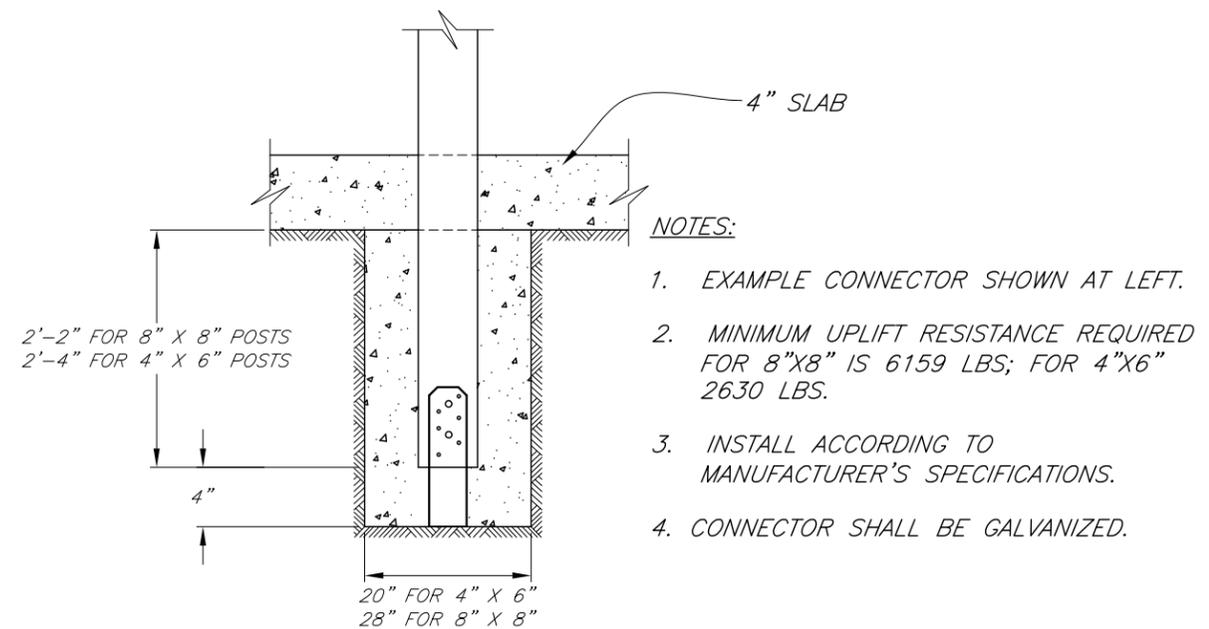
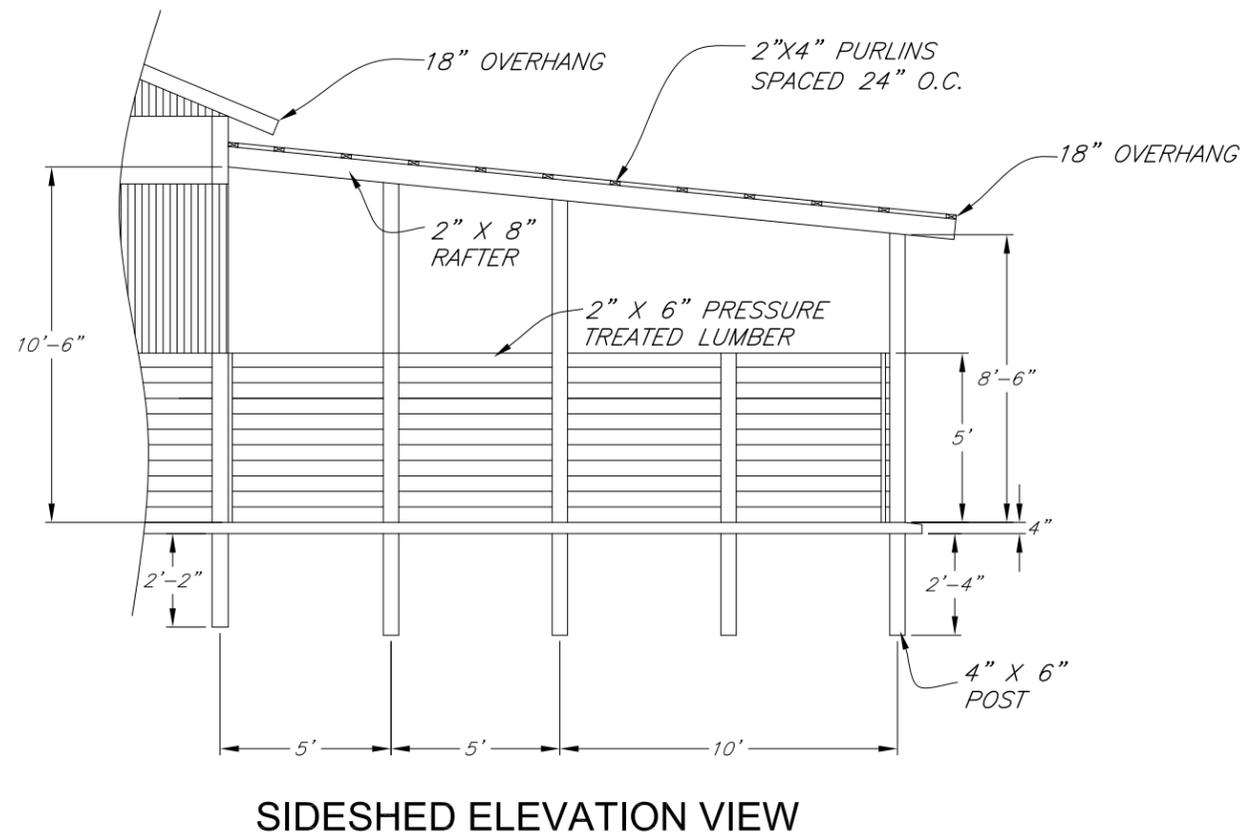
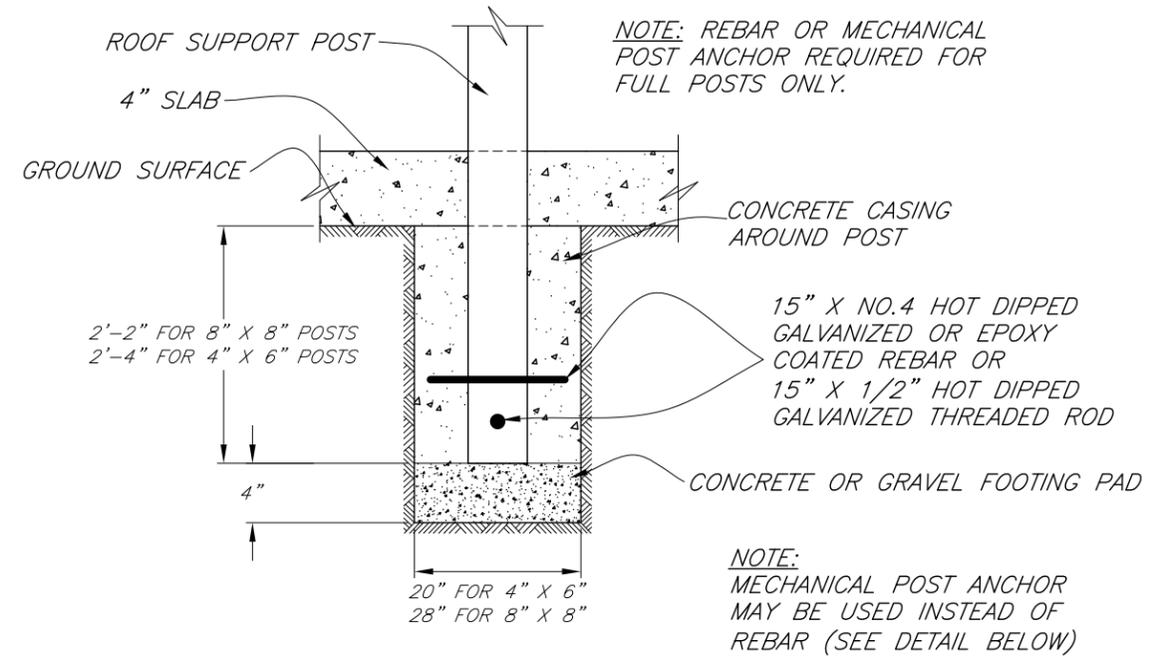
- CONCRETE QUANTITY:
- < 1 > FLOOR _____ CY
 - < 2 > POST HOLES _____ CY
 - < 3 > ENTRANCE PAD _____ SQFT

REVISIONS		
DATE	APPROVED	TITLE
09/05	H. MCFARLAND	STATE ENGINEER
10/07	H. MCFARLAND	STATE ENGINEER
07/13	D. ROBERTS	ACTING STATE ENGINEER



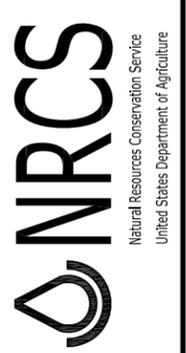
CONCRETE QUANTITY

- (1) PER 6" X 8" POST HOLE: 0.38 CY
- (2) PER 4" X 6" POST HOLE: 0.20 CY



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

ANIMAL MORTALITY FACILITY
20' Side Shed
Composting Facility Extension

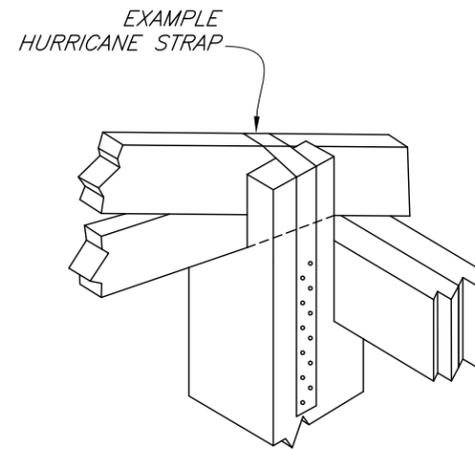
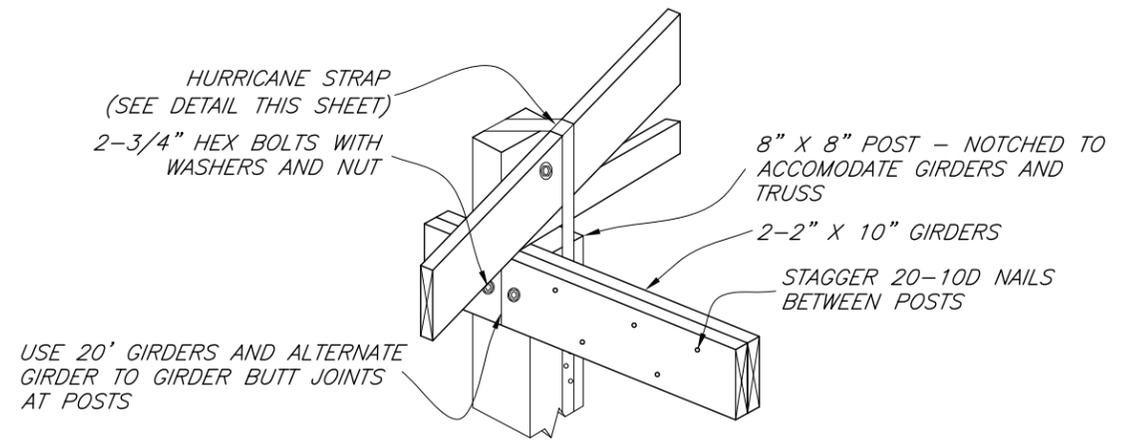
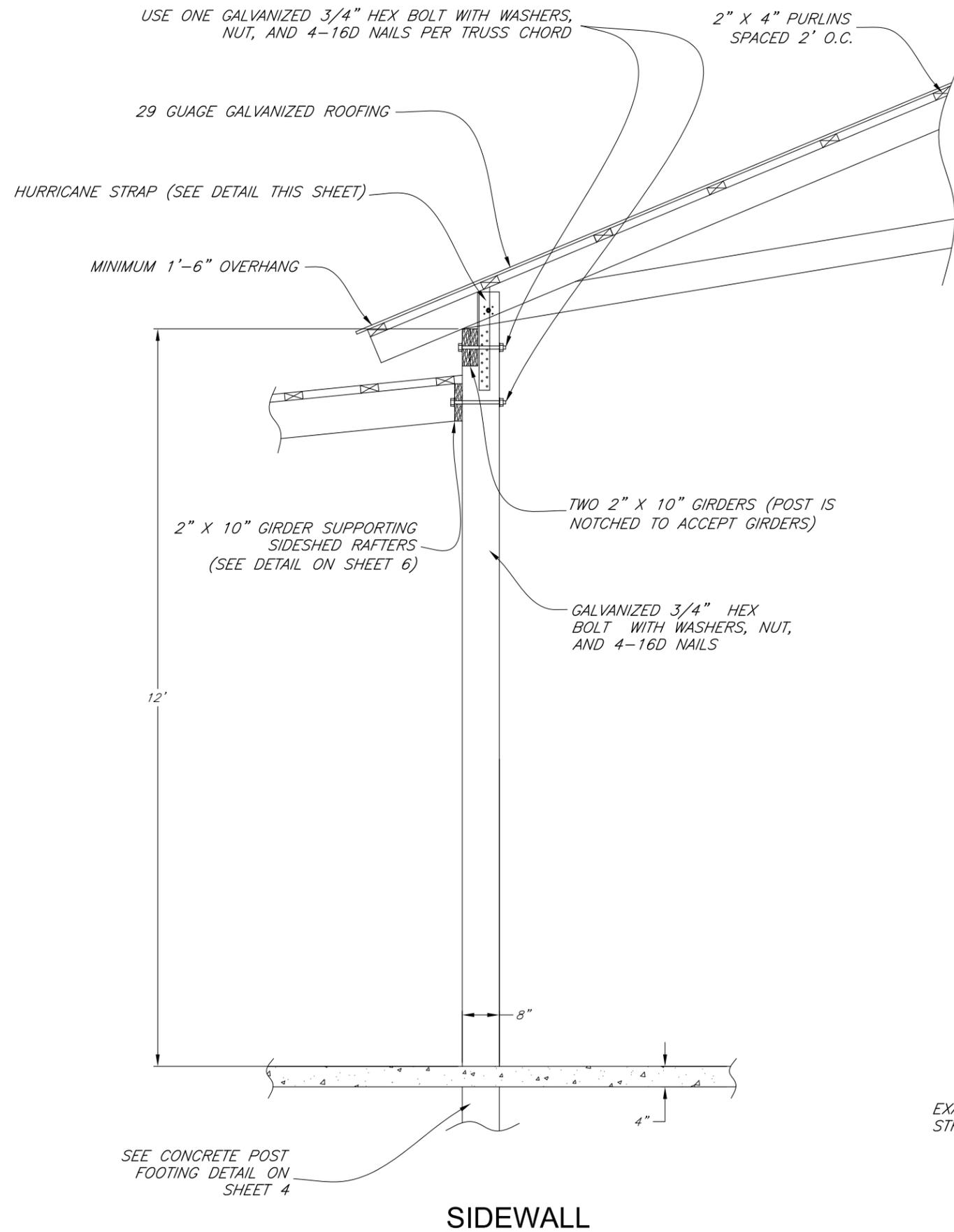


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Drawing No.
Side

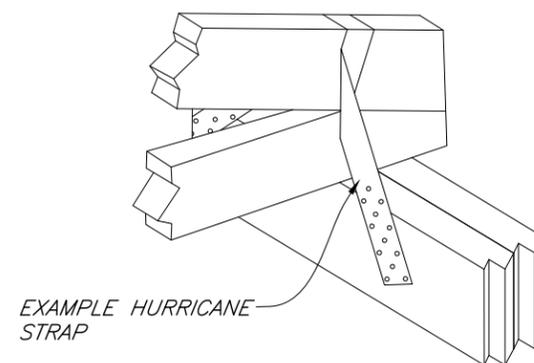
July 2013
Sheet 4 of 6

REVISIONS		
DATE	APPROVED	TITLE
09/05	H. MCFARLAND	STATE ENGINEER
10/07	H. MCFARLAND	STATE ENGINEER
07/13	D. ROBERTS	ACTING STATE ENGINEER



NOTE:

1. USE HURRICANE STRAP AT POST TO TRUSS CONNECTION AS SHOWN AT LEFT.
2. MANUFACTURER'S SPECIFICATIONS SHALL BE PROVIDED TO NRCS.
3. MINIMUM UPLIFT RESISTANCE IS 2334 LBS.
4. INSTALL STRAPS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
5. BOLTS NOT SHOWN FOR CLARITY.



NOTE:

1. USE MANUFACTURED HURRICANE STRAPS AT TRUSS TO GIRDER CONNECTIONS.
2. MANUFACTURER'S SPECIFICATIONS SHALL BE PROVIDED TO NRCS.
3. MINIMUM UPLIFT RESISTANCE IS 1001 LBS.
4. EXAMPLE HURRICANE STRAP IS SHOWN AT LEFT.
5. INSTALL STRAPS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

8" X 8" POST CONNECTION DETAILS

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

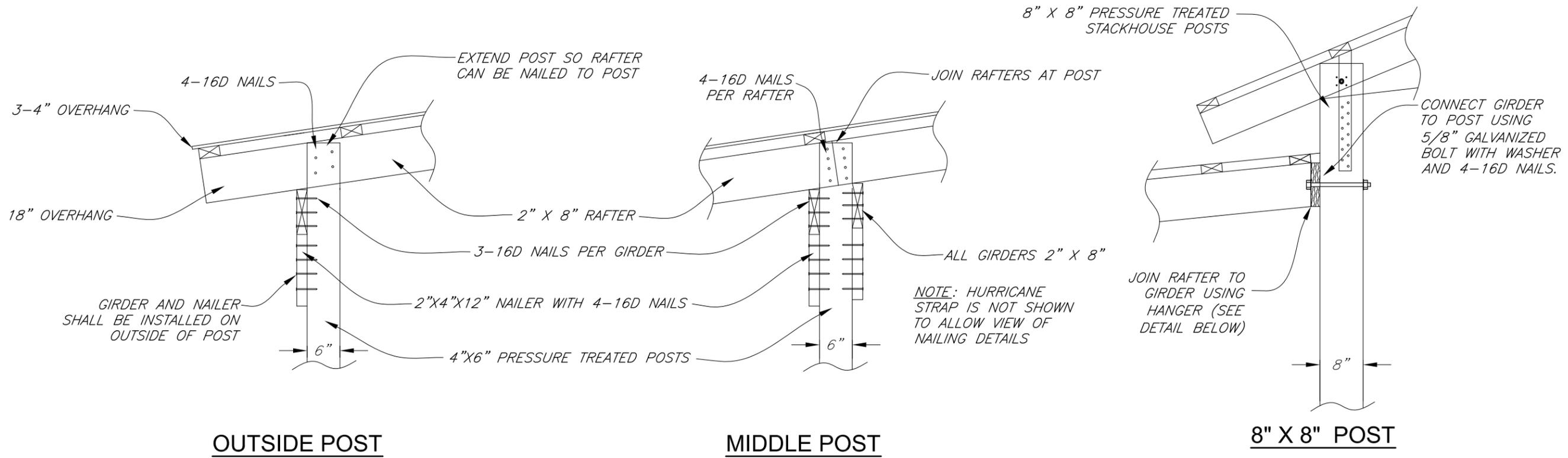
ANIMAL MORTALITY FACILITY
 20' Side Shed
 Composting Facility Extension



File No.
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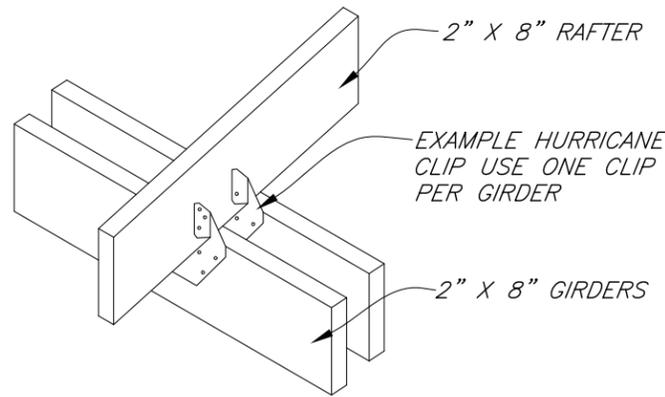
Drawing No.
Sidewall

REVISIONS		
DATE	APPROVED	TITLE
09/05	H. MCFARLAND	STATE ENGINEER
10/07	H. MCFARLAND	STATE ENGINEER
07/13	D. ROBERTS	ACTING STATE ENGINEER



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

GIRDER AND RAFTER TO POST CONNECTIONS

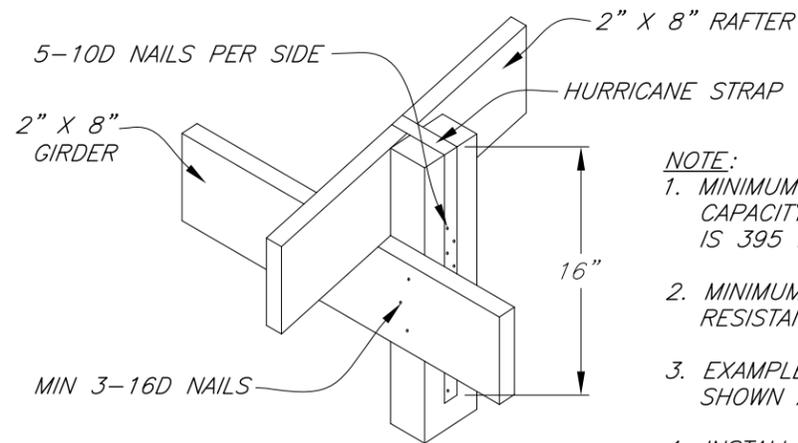


HURRICANE CLIP WITHOUT POSTS

USE AT ALL RAFTER TO GIRDER CONNECTIONS WITHOUT POSTS

NOTE:

1. MINIMUM UPLIFT RESISTANCE FOR HURRICANE STRAP AT RAFTER TO POST CONNECTIONS IS 1054 LBS. STRAP SHALL BE 2" OR WIDER. CENTER STRAP ON RAFTER TO RAFTER BUTT JOINTS ON CENTER POSTS.
2. USE MANUFACTURED HURRICANE CLIP FOR RAFTER TO GIRDER CONNECTIONS (WITHOUT POSTS).
3. MINIMUM UPLIFT RESISTANCE IS 496 LBS PER CLIP.
4. AN EXAMPLE IS SHOWN AT LEFT. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
5. MANUFACTURER'S SPECIFICATIONS SHALL BE PROVIDED TO NRCS
6. ONLY ONE CLIP NECESSARY ON OUTSIDE GIRDER.

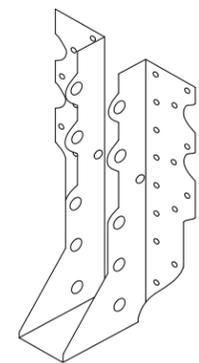


HURRICANE STRAP

USE AT RAFTER TO GIRDER CONNECTIONS WITH POSTS

NOTE:

1. MINIMUM REQUIRED CAPACITY FOR HANGER IS 395 LBS.
2. MINIMUM UPLIFT RESISTANCE IS 376 LBS.
3. EXAMPLE HANGER IS SHOWN AT RIGHT.
4. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
5. MANUFACTURER'S SPECIFICATIONS SHALL BE PROVIDED TO NRCS.



RAFTER HANGER

SIDESHED POST CONNECTION DETAILS

ANIMAL MORTALITY FACILITY
20' Side Shed
Composting Facility Extension



File No. ga-eng-316-c8_rev_062016

Drawing No. Sideshed Details

July 2013
Sheet 6 of 6

REVISIONS		
DATE	APPROVED	TITLE
09/05	H. MCFARLAND	STATE ENGINEER
10/07	H. MCFARLAND	STATE ENGINEER
07/13	D. ROBERTS	ACTING STATE ENGINEER