SPRINKLER SYSTEM

1. **903.2.5 Group H.**
   Automatic sprinkler systems shall be provided in high-hazard (Group H) occupancies as required in Sections 903.2.5.1 through 903.2.5.3.
2. **903.2.5.1 General.**
   An automatic sprinkler system shall be installed in Group H occupancies.

PREMISES IDENTIFICATION

1. **505.1 Address identification.**
   New and existing buildings shall have approved address numbers, building numbers or approved building identification placed in a position that is plainly legible and visible from the street or road fronting the property. These numbers shall contrast with their background. Where required by the fire code official, address numbers shall be provided in additional approved locations to facilitate emergency response. Address numbers shall be Arabic numbers or alphabetical letters. Numbers shall be a minimum of 4 inches (101.6 mm) high with a minimum stroke width of 0.5 inch (12.7 mm). Where access is by means of a private road and the building cannot be viewed from the public way, a monument, pole or other sign or means shall be used to identify the structure. Address numbers shall be maintained.
   (Existing as well as future buildings shall be properly identified.)

ELECTRICAL ISSUES

1. **605.1 Abatement of electrical hazards**.
   Identified electrical hazards shall be abated. Identified hazardous electrical conditions in permanent wiring shall be brought to the attention of the responsible code official. Electrical wiring, devices, appliances and other equipment that is modified or damaged and constitutes an electrical shock or fire hazard shall not be used.
2. **605.3 Working space and clearance.**
   A working space of not less than 30 inches (762 mm) in width, 36 inches (914 mm) in depth and 78 inches (1981 mm) in height shall be provided in front of electrical service equipment. Where the electrical service equipment is wider than 30 inches (762 mm), the working space shall not be less than the width of the equipment. No storage of any materials shall be located within the designated working space.
3. **605.3.1 Labeling.**
   Doors into electrical control panel rooms shall be marked with a plainly visible and legible sign stating ELECTRICAL ROOM or similar approved wording. The disconnecting means for each service, feeder or branch circuit originating on a switchboard or panelboard shall be legibly and durably marked to indicate its purpose unless such purpose is clearly evident.

4. **605.6 Unapproved conditions.**
   Open junction boxes and open-wiring splices shall be prohibited. Approved covers shall be provided for all switch and electrical outlet boxes.
   (A more thorough inspection shall be conducted to ensure all electrical issues are noted regarding the entire facility but the exposed wire and wire splices within and exiting the pump house shall be addressed immediately. All electrical wiring shall be in an approved conduit)

HAZARDOUS MATERIALS

1. **5001.3.3.15 Emergency plan.**
   A written emergency plan shall be developed to ensure that proper actions are taken in the event of an emergency, and the plan shall be followed if an emergency condition occurs. The process of developing and updating the plan shall involve the participation of affected employees.
2. **5001.5.1 Hazardous Materials Management Plan.**
   Where required by the fire code official, an application for a permit shall include a Hazardous Materials Management Plan (HMMP). The HMMP shall include a facility site plan designating the following:
   1. Access to each storage and use area.
   2. Location of emergency equipment.
   3. Location where liaison will meet emergency responders.
   4. Facility evacuation meeting point locations.
   5. The general purpose of other areas within the building.
   6. Location of all above-ground and underground tanks and their appurtenances including, but not limited to, sumps, vaults, below-grade treatment systems and piping.
   7. The hazard classes in each area.
   8. Locations of all control areas and Group H occupancies.
   9. Emergency exits.

   (A plan shall be submitted for the facility and hereafter annually or when any significant changes have occurred in facility operations)

3. **5001.5.2 Hazardous Materials Inventory Statement (HMIS).**
   Where required by the fire code official, an application for a permit shall include an HMIS, such as Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III, Tier II Report or other approved statement. The HMIS shall include the following information:
   1. Product name.
   2. Component.
   3. Chemical Abstract Service (CAS) number.
   4. Location where stored or used.
   5. Container size.
   6. Hazard classification.
   7. Amount in storage.

8. Amount in use-closed systems.
9. Amount in use-open systems.

(This report shall be submitted to the City of Gautier Fire Department annually. It should be noted that the last accessible Tier 2 report that was filed electronically with the state appears to have been for year 2013)

4. **5003.5 Hazard identification signs.**
   Unless otherwise exempted by the fire code official, visible hazard identification signs as specified in NFPA 704 for the specific material contained shall be placed on stationary containers and above-ground tanks and at entrances to locations where hazardous materials are stored, dispensed, used or handled in quantities requiring a permit and at specific entrances and locations designated by the fire code official.
5. **5003.1 Scope.**
   The storage, use and handling of all hazardous materials shall be in accordance with this section.
6. **5003.1.1 Maximum allowable quantity per control area.**
   The maximum allowable quantity per control area shall be as specified in Tables 5003.1.1(1) through 5003.1.1(4).
   (The code states under Table 5003.1.1(1) that for storage of Flammable Liquids with a combination of Hazard Classes including an IA, IB, and IC has a maximum allowable quantity of 120 gallons per control area. Per the last Tier 2 report on file with the state you have quantities of Acetone and Styrene Monomer, Inhibited. These two products have a hazard class of IB and IC respectively. After inspecting your facility it was determined that you are over the maximum allowable quantity per control area. The code states that when the quantity is over the maximum allowable quantity stored the structure shall fall under either the H2 or H3 occupancy class. In your case it would be occupancy class H3.)
7. ***5004.1 Scope.***
   Storage of hazardous materials in amounts exceeding the maximum allowable quantity per control area as set forth in Section 5003.1 shall be in accordance with Sections 5001, 5003 and 5004. Storage of hazardous materials in amounts not exceeding the maximum allowable quantity per control area as set forth in Section 5003.1 shall be in accordance with Sections 5001 and 5003. Retail and wholesale storage and display of nonflammable solid and nonflammable and noncombustible liquid hazardous materials in Group M occupancies and Group S storage shall be in accordance with Section 5003.11.
   (The following codes are regarding storage as dictated in section 5004 due to your facility being over the maximum allowable quantities stored per control area.)

8. **5004.2 Spill control and secondary containment for liquid and solid hazardous materials.**
   Rooms, buildings or areas used for the storage of liquid or solid hazardous materials shall be provided with spill control and secondary containment in accordance with Sections 5004.2.1 through 5004.2.3.
9. **5004.2.1 Spill control for hazardous material liquids.**
   Rooms, buildings or areas used for the storage of hazardous material liquids in individual vessels having a capacity of more than 55 gallons (208 L), or in which the aggregate capacity of multiple vessels exceeds 1,000 gallons (3785 L), shall be provided with spill control to prevent the flow of liquids to adjoining areas. Floors in indoor locations and similar surfaces in outdoor locations shall be constructed to contain a spill from the largest single vessel by one of the following methods:
   1. Liquid-tight sloped or recessed floors in indoor locations or similar areas in outdoor locations.
   2. Liquid-tight floors in indoor locations or similar areas in outdoor locations provided with liquid-tight raised or recessed sills or dikes.
   3. Sumps and collection systems.
   4. Other approved engineered systems.

   Except for surfacing, the floors, sills, dikes, sumps and collection systems shall be constructed of noncombustible material, and the liquid-tight seal shall be compatible with the material stored. When liquid-tight sills or dikes are provided, they are not required at perimeter openings having an open-grate trench across the opening that connects to an approved collection system.
10. **5004.2.2 Secondary containment for hazardous material liquids and solids.**
    Where required by Table 5004.2.2 buildings, rooms or areas used for the storage of hazardous materials liquids or solids shall be provided with secondary containment in accordance with this section when the capacity of an individual vessel or the aggregate capacity of multiple vessels exceeds the following:
    1. Liquids: Capacity of an individual vessel exceeds 55 gallons (208 L) or the aggregate capacity of multiple vessels exceeds 1,000 gallons (3785 L); and
    2. Solids: Capacity of an individual vessel exceeds 550 pounds (250 kg) or the aggregate capacity of multiple vessels exceeds 10,000 pounds (4540 kg).

    (Table 5004.2.2 states that for Flammable Liquids to see Chapter 57. I have attached Chapter 57 in its entirety)

11. **5004.2.2.1 Containment and drainage methods.**
The building, room or area shall contain or drain the hazardous materials and fire protection water through the use of one of the following methods:
1. Liquid-tight sloped or recessed floors in indoor locations or similar areas in outdoor locations.
2. Liquid-tight floors in indoor locations or similar areas in outdoor locations provided with liquid-tight raised or recessed sills or dikes.
3. Sumps and collection systems.
4. Drainage systems leading to an approved location.
5. Other approved engineered systems.

12. **5004.2.2.3 Indoor design.**
Secondary containment for indoor storage areas shall be designed to contain a spill from the largest vessel plus the design flow volume of fire protection water calculated to discharge from the fire-extinguishing system over the minimum required system design area or area of the room or area in which the storage is located, whichever is smaller. The containment capacity shall be designed to contain the flow for a period of 20 minutes.

13. **5004.2.2.4 Outdoor design.**
Secondary containment for outdoor storage areas shall be designed to contain a spill from the largest individual vessel. If the area is open to rainfall, secondary containment shall be designed to include the volume of a 24-hour rainfall as determined by a 25-year storm and provisions shall be made to drain accumulations of groundwater and rainwater.

14. **5004.2.2.5 Monitoring.**
An approved monitoring method shall be provided to detect hazardous materials in the secondary containment system. The monitoring method is allowed to be visual inspection of the primary or secondary containment, or other approved means. Where secondary containment is subject to the intrusion of water, a monitoring method for detecting water shall be provided. Where monitoring devices are provided, they shall be connected to approved visual or audible alarms.

15. **5004.2.2.6 Drainage system design.**
Drainage systems shall be in accordance with the International Plumbing Code and all of the following:
1. The slope of floors to drains in indoor locations, or similar areas in outdoor locations shall not be less than 1 percent.
2. Drains from indoor storage areas shall be sized to carry the volume of the fire protection water as determined by the design density discharged from the automatic fire-extinguishing system over the minimum required system design area or area of the room or area in which the storage is located, whichever is smaller.
3. Drains from outdoor storage areas shall be sized to carry the volume of the fire flow and the volume of a 24-hour rainfall as determined by a 25-year storm.

4. Materials of construction for drainage systems shall be compatible with the materials stored.
5. Incompatible materials used in open systems shall be separated from each other in the drainage system.
6. Drains shall terminate in an approved location away from buildings, valves, means of egress, fire access roadways, adjoining property and storm drains.

16. **5004.2.3 Containment pallets.**
When used as an alternative to spill control and secondary containment for outdoor storage in accordance with the exception in Section 5004.2, containment pallets shall comply with all of the following:
1. A liquid-tight sump accessible for visual inspection shall be provided.
2. The sump shall be designed to contain not less than 66 gallons (250 L).
3. Exposed surfaces shall be compatible with material stored.
4. Containment pallets shall be protected to prevent collection of rainwater within the sump.

17. **5004.3 Ventilation.**
Indoor storage areas and storage buildings shall be provided with mechanical exhaust ventilation or natural ventilation where natural ventilation can be shown to be acceptable for the materials as stored.

18. **5004.3.1 System requirements.**
Exhaust ventilation systems shall comply with all of the following:
1. Installation shall be in accordance with the International Mechanical Code.
2. Mechanical ventilation shall be at a rate of not less than 1 cubic foot per minute per square foot [0.00508 m3/(s · m2)] of floor area over the storage area.
3. Systems shall operate continuously unless alternative designs are approved.
4. A manual shutoff control shall be provided outside of the room in a position adjacent to the access door to the room or in an approved location. The switch shall be a break-glass or other approved type and shall be labeled: VENTILATION SYSTEM EMERGENCY SHUTOFF.
5. Exhaust ventilation shall be designed to consider the density of the potential fumes or vapors released. For fumes or vapors that are heavier than air, exhaust shall be taken from a point within 12 inches (305 mm) of the floor. For fumes or vapors that are lighter than air, exhaust shall be taken from a point within 12 inches (305 mm) of the highest point of the room.
6. The location of both the exhaust and inlet air openings shall be designed to provide air movement across all portions of the floor or room to prevent the accumulation of vapors.
7. Exhaust air shall not be recirculated to occupied areas if the materials stored are capable of emitting hazardous vapors and contaminants have not been removed. Air contaminated with

explosive or flammable vapors, fumes or dusts; flammable, highly toxic or toxic gases; or radioactive materials shall not be recirculated.

19. **5004.5 Automatic sprinkler systems.**
    Indoor storage areas and storage buildings shall be equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1. The design of the sprinkler system shall not be less than that required for Ordinary Hazard Group 2 with a minimum design area of 3,000 square feet (279 m2). Where the materials or storage arrangement are required by other regulations to be provided with a higher level of sprinkler system protection, the higher level of sprinkler system protection shall be provided.
20. **5004.7 Standby or emergency power.**
    Where mechanical ventilation, treatment systems, temperature control, alarm, detection or other electrically operated systems are required, such systems shall be provided with an emergency or standby power system in accordance with NFPA 70 and Section 604.
    Exceptions:
    1. Mechanical ventilation for storage of Class IB and Class IC flammable and combustible liquids in closed containers not exceeding 61/2 gallons (25 L) capacity.
    2. Storage areas for Class 1 and 2 oxidizers.
    3. Storage areas for Class II, III, IV and V organic peroxides.
    4. Storage areas for asphyxiant, irritant and radioactive gases.
    5. For storage areas for highly toxic or toxic materials, see Sections 6004.2.2.8 and 6004.3.4.2.
    6. Standby power for mechanical ventilation, treatment systems and temperature control systems shall not be required where an approved fail-safe engineered system is installed.
21. **5004.9 Emergency alarm.**
    An approved manual emergency alarm system shall be provided in buildings, rooms or areas used for storage of hazardous materials. Emergency alarm-initiating devices shall be installed outside of each interior exit or exit access door of storage buildings, rooms or areas. Activation of an emergency alarm-initiating device shall sound a local alarm to alert occupants of an emergency situation involving hazardous materials.
22. **5004.10 Supervision and monitoring.**
    Emergency alarm, detection and automatic fire-extinguishing systems required by Section 5004 shall be electrically supervised and monitored by an approved supervising station or, when approved, shall initiate an audible and visual signal at a constantly attended on-site location.
23. **5004.11 Clearance from combustibles**
    The area surrounding an outdoor storage area or tank shall be kept clear of combustible materials and vegetation for a minimum distance of 25 feet (7620 mm).

24. **5004.12 Noncombustible floor**
    Except for surfacing, floors of storage areas shall be of noncombustible construction.
25. **5004.13 Weather protection**
    Where overhead noncombustible construction is provided for sheltering outdoor hazardous material storage areas, such storage shall not be considered indoor storage when the area is constructed in accordance with the requirements for weather protection as required by the International Building Code.

FLAMMABLE LIQUIDS

1. *(I have attached a copy of Chapter 57 in dealing with Flammable Liquids)*

In conclusion of this site review, we ask that you address each of the items labeled above along with what is required within the IFC 2012. This review was done to the best of our ability and the ultimate responsibility for code compliance remains with your firm. If you disagree with our findings, we are open to discussion by appointment. We understand that you are eager to move forward and our staff is here to help you move quickly through the process with our citizen's safety concerns in mind.

Sincerely,
Derek McCoy, Deputy Chief

Received By:_____ Date:_____

EXHIBIT K

Sec. 15-5. - Loud music and sounds.

(a) The operation and use of sound or loudspeaking machines or any equipment for magnifying, amplifying or projecting music, sound or noise on the streets of the city is hereby prohibited.

(b) It shall be unlawful for any person to use or allow to be used from their place of business, residence or any other location, equipment for magnifying or amplifying and/or enlarging music, sound or noise in an unreasonably loud and large volume, disturbing the public generally and/or citizens and residents in close proximity to such place or places.

(c) Religious, political, civic or public gatherings, speakings and meetings are specifically excluded from the effect of this section; provided, however, that such meeting or gathering be first approved by the chief of police and a formal written permit be issued by the planning director. Provided further, that any such permit so issued may, by the chief of police or planning director, be recalled and/or revoked at will if in the opinion of the chief of police or planning director the use of such equipment is objectionable or should for any reason not be allowed.

(Ord. No. 97, §§ 1—3, 12-3-96)

Editor's note—

Ord. No. 97, adopted Dec. 3, 1996, did not specifically amend the Code; hence, inclusion of §§ 1—3 of such ordinance as § 15-5 was at the discretion of the editor.

EXHIBIT 3

There came for consideration of the Mayor and Members of the Council of the City of Gautier, Mississippi, the following:

ORDINANCE NUMBER 200-2011

AN ORDINANCE OF THE CITY OF GAUTIER, MISSISSIPPI, RELATING TO THE COMPREHENSIVE REZONING OF PROPERTY EQUAL TO 10 ACRES TO C-3 HIGHWAY COMMERCIAL; GENERALLY DECRIBED AS NORTH OF ALLEN ROAD AND EAST OF BAKER ROAD; PROVIDING AUTHORITY; MAKING FINDINGS OF FACT; PROVIDING FOR A ZONING MAP AMENDMENT; AND SETTING AN EFFECTIVE DATE.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF GAUTIER, MISSISSIPPI, AS FOLLOWS:

SECTION 1. AUTHORITY.
The authority for enactment of this ordinance is Section 17-1-5, Mississippi Code Annotated Section 17-1-15 (1972), Mississippi Statutes.

The City Council of Gautier finds that a comprehensive rezoning is necessary to provide for the orderly growth and development of the City. A public hearing was held before the Gautier Planning Commission on May 5, 2011, and the Commission recommended that Council approve the change for a zoning map amendment to adopt the C-3 Highway Commercial District. The City Council has conducted a public hearing on May 17, 2011 after giving due public notice pursuant to the Public Hearing Process of the City's Unified Development Ordinance. The requested rezoning is consistent with the City's Comprehensive Plan.

SECTION 2. PROPERTY REZONED.
The property generally described as located north of Allen Road and east of Baker Road, and listed on the Jackson County Land Records as Parcel Numbers 85298008.000, 85298009.000 and 85298009.050, is hereby rezoned to C-3 Highway Commercial District.

SECTION 3. FINDINGS OF FACT.
The Planning Commission finds the probability of a mapping error in the Official Zoning Map and subsequent Comprehensive Plan has occurred, in that the 2002 city annexation of these lands did not alter the zoning to provide for the future orderly growth and development of the area, but instead perpetuated Jackson County's mix of Agricultural and Commercial land designations. The result has been spot development of dissimilar uses that does not recognize the existing, and likely future, commercial development of the area.

SECTION 4. ZONING MAP AMENDMENT. The Official Zoning Map of the City of Gautier is hereby amended to include a comprehensive change of classification from AG Agricultural to C-3 Highway Commercial for the specific parcels described in Exhibit A of this Ordinance.

SECTION 8. SETTING EFFECTIVE DATE AND APPEAL. This Ordinance shall become effective 30 days after approval by the City Council and signature of the Mayor.

Motion was made by Mayor Fortenberry, seconded by Councilwoman Martin and the following vote was recorded:

AYES: Tommy Fortenberry
Johnny Jones
Hurley Ray Guillotte
Gordon Gollott
Mary Martin
Scott Macfarland

NAYS: Adam Colledge

ADOPTED: May 17, 2011

Tommy Fortenberry, Mayor

ATTEST:

Wendy McClain, City Clerk

Codification Instructions: Not Codified.

CITY OF GAUTIER
MEMORANDUM

To: Sidney Runnels, City Manager

From: Babs Logan, Planning Technician

Thru: Samantha D. Abell, Planning and Economic Development Director

Date: May 9, 2011

Subject: Consideration of a City-Initiated Comprehensive Rezoning of Properties Comprising 10 Acres to C-3 Highway Commercial.

REQUEST:

The Planning Commission held a public hearing on May 5, 2011 and recommended approval of the Ordinance to rezone lands north of Allen Road and east of Baker Road, and listed on the Jackson County Land Records as Parcel Numbers 85298008.000, 85298009.000 and 85298009.050. City Council has final authority to approve the city-initiated rezoning from Agricultural to C-3 Highway Commercial.

The purpose of this city-initiated rezoning is to rezone lands designated as Agricultural since before the City's 2002 annexation, and prepare the lands for appropriate development along a viable commercial corridor.

BACKGROUND:

Section 4.16 of the City's Unified Development Ordinance (UDO) establishes the procedure to amend the City's Official Zoning Map. The Gautier Planning Commission (GPC) shall review a proposal for a comprehensive rezoning and shall make an advisory recommendation to the City Council as to the need and justification for the change and the relationship of the proposed change to the goals, objectives and policies of the Comprehensive Plan. The GPC shall include in its recommendation to the City Council findings and any information which it deems is relevant to issues relating to the proposed rezoning.

Following an April 20th advertised public hearing by the GPC on May 5th, the Ordinance to amend the City's Official Zoning Map will be considered for approval by the City Council on May 17th.

DISCUSSION:

On February 3, 2011, the Planning Commission recommended approval of the rezoning of lands south of Allen Road to C-3 Highway Commercial, and directed staff to proceed with rezoning 2002 annexed lands north of Allen Road. Staff has since held multiple meetings with residents. The attached ordinance reflects the first of two ordinances to rezone the area, necessary due to the timing of neighborhood meetings. Planning Commission intends to bring the second ordinance rezoning the remainder of the area to Council at their June meeting.

The area in the vicinity of the subject rezoning consists of spot development with dissimilar uses ranging from undeveloped, residential and light manufacturing. Planning Commission recommends a rezoning to the C-3 Highway Commercial zoning district established to the south of the area. The purpose of the C-3 Highway Commercial District is to provide for areas where relative high intensity commercial and retail uses, office buildings, medical facilities, automobile car lots and regional shopping areas may be located. C-3 Districts are to be located along major highways or major arterials.

Planning Commission finds that the Comprehensive Plan takes only into account the existing Agricultural designation of the area based on Jackson County zoning prior to city annexation.

Zoning District	Min. Lot Area (sq. ft.)	Min. Lot Width	Maximum Building Height			Setbacks			Maximum Density (units per acre)			Maximum Floor Area Ratio			Max % of area covered on lot		
			Tier 1	Tier 2	Tier 3	Front	Side	Rear	Tier 1	Tier 2	Tier 3	Tier 1	Tier 2	Tier 3	Tier 1	Tier 2	Tier 3
R-1	9,600	80	35	---	---	25/ 35	10/ 25/ 35	25	---	---	---	---	---	---	25	---	---
C-3	---	None	35	45	60	40	15/ 35/ 40	0/ 35	---	---	---	---	---	---	75	80	85
AG	20,000	100	35	---	---	50	20/35	25	---	---	---	---	---	---	15	---	---
I	20,000	100	60	---	---	40	15/ 40/ 30	25/ 80/ 40	---	---	---	---	---	---	---	---	---

The Plan does not anticipate the commercial development of this area, although a light manufacturing business has anchored just south of the subject property for more than a decade, and C-3 Highway Commercial anchors the west end of Allen Road, adjacent to Interstate-10. In order to provide for the orderly growth and development of the area, Planning Commission therefore finds a commercial rezoning appropriate.

The table above shows the density and intensity for the C-3 District as well as existing zoning districts. The table also reflects bonus density and intensity provisions which can be granted according to a Tier Bonus System, in accordance with the City's amended UDO.

DATA AND ANALYSIS:

Location: Ward 1

Current Zoning of the Request Property: AG Agricultural

Current surrounding existing land use and zoning:

	Current Land Use	Zoning District
North	Very Low to Low Density Residential	R-1 Low Density Residential
South	Very Low to Low Density Residential, Industrial	R-1 Low Density Residential, I Industrial
East	Sandhill Crane Refuge	N/A
West	Very Low to Low Density Residential	R-1 Low Density Residential

Comprehensive Plan Land Use Designation: The subject properties are designated Low Density Residential.

Surrounding Future Land Use Map (FLUM) designations:

	FLUM Designation
North	Low Density Residential
South	Low Density Residential
East	Sandhill Crane Refuge
West	Low Density Residential

Proposed Zoning: C-3 Highway Commercial

REVIEW CRITERIA:

The Planning Commission, in its report and recommendation to the City Council on the appropriateness of the request, has studied the following criteria and recommends to City Council the finding that "Item D", below meets the requirement for a comprehensive rezoning of lands.

A. The existing zoning in the subject area is not in accordance with the Comprehensive Plan; and

B. The need for additional land in the City having the same zoning classification as the one proposed; and

C. A substantial change in the land use character of the surrounding area that justifies the change in zoning; or

D. *The probability of a mapping error in the Comprehensive Plan or the Unified Development has occurred.*

Planning Commission finds that there is a probability that a mapping error in the original zoning of the property occurred, and subsequently the City's Comprehensive Plan. The 2002 annexation of these lands did not alter the zoning to provide for the future orderly growth and development of the area, but instead perpetuated Jackson County's mix of Agricultural and Commercial land designations. The result has been spot development of dissimilar uses that does not recognize the existing, and likely future, commercial development of the area.

FINDINGS / APPROPRIATENESS OF THE REQUEST:

Based on the Planning Commission's recommendation and findings of facts, the City Council must approve the Commission's below finding:

> **The probability of a mapping error in the Comprehensive Plan and Official Zoning Map has occurred, in that the 2002 city annexation of these lands did not alter the zoning to provide for the future orderly growth and development of the area, but instead perpetuated Jackson County's mix of Agricultural and Commercial land designations. The result has been spot development of dissimilar uses that does not recognize the existing, and likely future, commercial development of the area.**

CONCLUSION AND RECOMMENDATION:

Based on the analysis of the site data, existing and future land use maps, impact on the availability of infrastructure, consistency with the Comprehensive Plan, and the appropriateness of the request relevant to the criteria established by Section 4.16 of the Unified Development Ordinance, the Council may:

1. Approve the Ordinance to Comprehensively Rezone the subject area to C-3 Highway Commercial; or
2. Deny the Comprehensive Rezoning.

ATTACHMENTS:

Staff Report as Submitted to the GPC with Back-Up

Ordinance

Gautier Planning Commission

Regular Meeting Agenda

May 5, 2011

VII. NEW BUSINESS

A. QUASI-JUDICIAL

4. REQUEST FOR A COMPREHENSIVE REZONING OF PROPERTIES TO C-3 HIGHWAY COMMERCIAL (STAFF) (GPC CASE #11-15-RZ)

Synopsis: This is a city-initiated comprehensive rezoning of lands on the northeast end of Allen Road.

CITY OF GAUTIER
STAFF REPORT

To:	Gautier Planning Commission Chairperson and Members
From:	Babs Logan, Planning Technician
Thru:	Samantha D. Abell, Planning and Economic Development Director
Date:	April 26, 2011
Subject:	Consideration of a City-Initiated Comprehensive Rezoning of Properties Comprising 10 Acres to C-3 Highway Commercial.

REQUEST:

The purpose of this city-initiated rezoning is to rezone lands designated as Agricultural since before the City's 2002 annexation, and prepare the lands for appropriate development along a viable commercial corridor. The subject property is generally described as located north of Allen Road and east of Baker Road, and listed on the Jackson County Land Records as Parcel Numbers 85298008.000, and 85298009.000 and 85298009.050.

BACKGROUND:

Section 4.16 of the City's Unified Development Ordinance (UDO) establishes the procedure to amend the City's Official Zoning Map. The Gautier Planning Commission (GPC) shall review a proposal for a comprehensive rezoning and shall make an advisory recommendation to the City Council as to the need and justification for the change and the relationship of the proposed change to the goals, objectives and policies of the Comprehensive Plan. The GPC shall include in its recommendation to the City Council findings and any information which it deems is relevant to issues relating to the proposed rezoning.

Following an April 20th advertised public hearing by the GPC on May 5th, the Ordinance to amend the City's Official Zoning Map will be considered for approval by the City Council on May 17th.

DISCUSSION:

On February 3, 2011, the Planning Commission recommended approval of the rezoning of lands south of Allen Road to C-3 Highway Commercial, and directed staff to proceed with rezoning 2002 annexed lands north of Allen Road. Staff has since held multiple meetings with residents. The attached ordinance reflects the first of two ordinances to rezone the area, necessary due to

the timing of neighborhood meetings. Staff intends to bring the second ordinance rezoning the remainder of the area to Planning Commission at their June meeting.

The area in the vicinity of the subject rezoning consists of spot development with dissimilar uses ranging from undeveloped, residential and light manufacturing. Staff recommends a rezoning to the C-3 Highway Commercial zoning district established to the south of the area. The purpose of the C-3 Highway Commercial District is to provide for areas where relative high intensity commercial and retail uses, office buildings, medical facilities, automobile car lots and regional shopping areas may be located. C-3 Districts are to be located along major highways or major arterials.

Staff finds that the Comprehensive Plan takes only into account the existing Agricultural designation of the area based on Jackson County zoning prior to city annexation. The Plan does not anticipate the commercial development of this area, although a light manufacturing business has anchored the east end of Allen Road for more than a decade, and C-3 Highway Commercial anchors the west end of Allen Road, adjacent to Interstate-10. In order to provide for the orderly growth and development of the area, Staff therefore finds a commercial rezoning appropriate.

Zoning District	Min. Lot Area (sq. ft.)	Min. Lot Width	Maximum Building Height			Setbacks			Maximum Density (units per acre)			Maximum Floor Area Ratio			Max % of area covered on lot		
			Tier 1	Tier 2	Tier 3	Front	Side	Rear	Tier 1	Tier 2	Tier 3	Tier 1	Tier 2	Tier 3	Tier 1	Tier 2	Tier 3
R-1	9,600	80	35	---	---	25/ 35	10/ 25/ 35	25	---	---	---	---	---	---	25	---	---
C-3	---	None	35	45	60	40	15/ 35/ 40	0/ 35	---	---	---	---	---	---	75	80	85
AG	20,000	100	35	---	---	50	20/35	25	---	---	---	---	---	---	15	---	---
I	20,000	100	60	---	---	40	15/ 40/ 30	25/ 80/ 40	---	---	---	---	---	---	---	---	---

The table above shows the density and intensity for the C-3 District as well as existing zoning districts. The table also reflects bonus density and intensity provisions which can be granted according to a Tier Bonus System, in accordance with the City's amended UDO.

DATA AND ANALYSIS:

Location: Ward 1

Current Zoning of the Request Property: AG Agricultural

Current surrounding existing land use and zoning:

	Current Land Use	Zoning District
North	Very Low to Low Density Residential	R-1 Low Density Residential
South	Very Low to Low Density Residential, Industrial	R-1 Low Density Residential, I Industrial
East	Sandhill Crane Refuge	N/A
West	Very Low to Low Density Residential	R-1 Low Density Residential

Comprehensive Plan Land Use Designation: The subject properties are designated Low Density Residential.

Surrounding Future Land Use Map (FLUM) designations:

	FLUM Designation
North	Low Density Residential
South	Low Density Residential
East	Sandhill Crane Refuge
West	Low Density Residential

Proposed Zoning: C-3 Highway Commercial

REVIEW CRITERIA:

The Commission, in its report and recommendation to the City Council on the appropriateness of the request, should study and consider the following criteria and recommend whether or not each is met, if applicable. Staff has recommended findings for the GPC's consideration.

A. The existing zoning in the subject area is not in accordance with the Comprehensive Plan; and

B. The need for additional land in the City having the same zoning classification as the one proposed; and

C. A substantial change in the land use character of the surrounding area that justifies the change in zoning; or

D. The probability of a mapping error in the Comprehensive Plan or the Unified Development has occurred.

Staff finds that there is a probability that a mapping error in the original zoning of the property occurred, and subsequently the City's Comprehensive Plan. The 2002 annexation of these lands did not alter the zoning to provide for the future orderly growth and development of the area, but instead perpetuated Jackson County's mix of Agricultural and Commercial land designations. The result has been spot development of dissimilar uses that does not recognize the existing, and likely future, commercial development of the area.

FINDINGS / APPROPRIATENESS OF THE REQUEST:

Based on Staff's recommendation that the GPC forward a favorable recommendation to City Council, the Commission must find the following:

> The probability of a mapping error in the Comprehensive Plan and Official Zoning Map has occurred, in that the 2002 city annexation of these lands did not alter the zoning to provide for the future orderly growth and development of the area, but instead perpetuated Jackson County's mix of Agricultural and Commercial land designations. The result has been spot development of dissimilar uses that does not recognize the existing, and likely future, commercial development of the area.

CONCLUSION AND RECOMMENDATION:

Based on the analysis of the site data, existing and future land use maps, impact on the availability of infrastructure, consistency with the Comprehensive Plan, and the appropriateness of the request relevant to the criteria established by Section 4.16 of the Unified Development Ordinance, the Commission may:

1. Recommend that City Council approve the Ordinance to Comprehensively Rezone the subject area to C-3 Highway Commercial; or
2. Recommend that City Council deny the Comprehensive Rezoning.

ATTACHMENTS:

Ordinance

Map Exhibits A-E

Mayor
Gordon T. Gollott

Council
At Large Mary F. Martin
Ward 1 Johnny Jones
Ward 2 Huntley Ray Guillotte
Ward 3 Casey C. Vaughan
Ward 4 Charles "Rusty" Anderson
Ward 5 Adam D. Collidge

City of Gautier

Gautier, Mississippi

City Manager
Samantha D. Abell

City Clerk
Cynthia Russell

3330 Highway 90
Gautier, MS 39553
Phone: (228) 497-8000
Fax: (228) 497-8028
Email: gautier@gautier-ms.gov
Website: www.gautier-ms.gov

April 14, 2016

Mr. Russell S. Gill, P.L.L.C.
Attorney at Law
638 Howard Avenue
Biloxi, MS 39530

Via Facsimile: 228-432-0025

RE: B & D Plastics, LLC
5500 Allen Road
Response to Letters dated April 6, 2016 and April 8, 2016

Dear Mr. Gill:

The Economic Development & Planning Department has designated the current Use of B & D Plastics, LLC to be "MANUFACTURING, HEAVY". According to Section 5.2.2 of the Unified Development Ordinance (UDO), heavy manufacturing in a C-3 District requires a Conditional Use. A Conditional Use requires a recommendation by Planning Commission and approval by City Council. The deadline for the June Planning Commission Meeting is April 19, 2016.

Section 5.11 B of the UDO clearly states that the Tiered Land Use System and Bonus Provisions only apply to developments within the Corridor Overlay District. B & D Plastics is not located within the Corridor Overlay District, so the Tiered Land Use System and Bonus Provision do not apply to that development.

The maximum building height allowed in the C-3 District is 35 feet. If a Variance is requested, please be sure the narrative provided with the application addresses the "Criteria for Approval" listed in Section 4.18.4 of the UDO. Also refer to the "Variance" and "Hardship" definitions in Article II of the UDO. A Variance requires a recommendation by Planning Commission and approval by City Council. The deadline for the June Planning Commission Meeting is April 19, 2016.

If you decide to seek a rezoning in lieu of the Conditional Use and Variance Requests, please be sure the narrative provided with the application addresses the "Criteria for Rezoning of Property" listed in Section 4.15.3 of the UDO. A Rezoning requires a recommendation by Planning Commission and approval by City Council. The deadline for the June Planning Commission Meeting is April 19, 2016.

We cannot proceed with processing a Building Permit Request for a Heavy Manufacturing Use without a Conditional Use Permit or an Industrial Zoning.classification. In addition, we cannot proceed with processing a Building Permit Request for a 53' building in a C-3 Zoning District without a height Variance approval. Industrial Zoning allows a maximum building height of 60 feet.

I have attached a list of comments that were sent on 1/8/16 and 1/14/16. These comments will also need to be addressed before a Building Permit can be issued.

I hope this answers your questions. If you need a better explanation of any of the comments or would like to discuss further, please let me know. We'll be happy to assist however we can. If you have any questions, please contact me at 228-497-1878 or cnicholson@gautier-ms.gov.

Sincerely,

Chandra Nicholson
Director of Economic Development & Planning

cc: Permitting File
Josh Danos, Interim City Manager/City Attorney
Robert Jones, Fire Chief
Derek McCoy, Fire Marshall/Deputy Fire Chief
Chad Jordan, Public Works Director
Scott Ankerson, Building Official

B&D® PLASTICS LLC

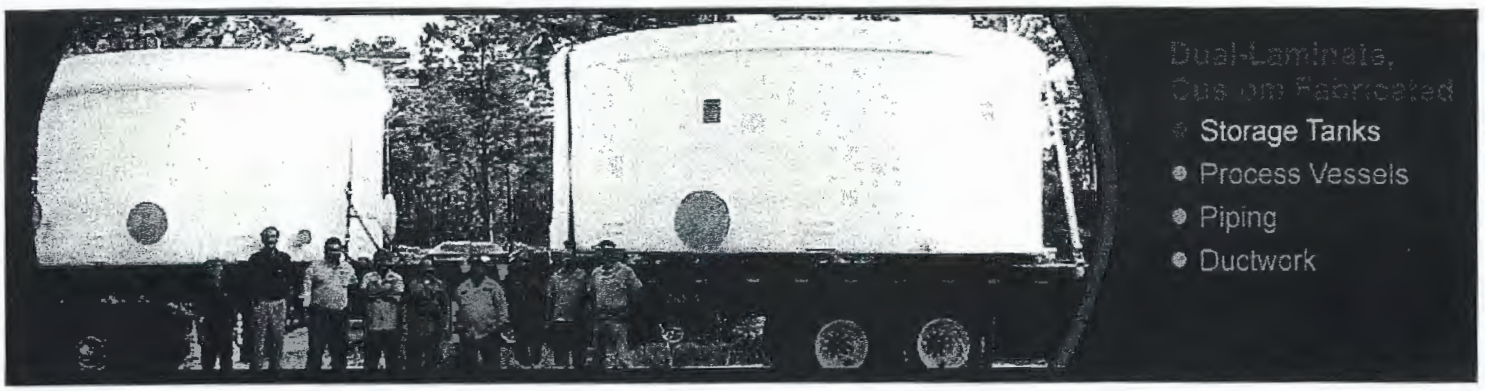
CUSTOM DUAL-LAMINATE FABRICATION

Search

CALL TOLL FREE: (800) 844-5005

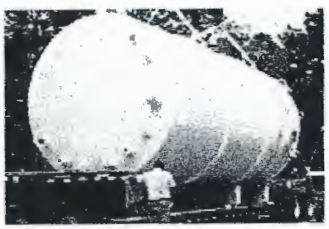
EMAIL B&D PLASTICS

HOME WHAT ARE DUAL-LAMINATES? EXAMPLE PROJECTS ABOUT US CONTACT US REQUEST A QUOTE

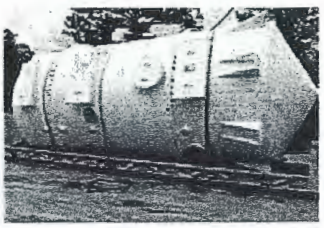


B & D Plastics Specializes in the Design, Manufacturing & Fabrication of

High Quality Dual-Laminate Vessels And Custom Industrial Storage Tanks

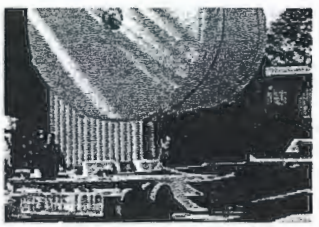


Custom Industrial Storage Tanks



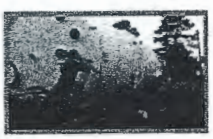
Process Vessel Manufacturing

Pipe Duct & Cover Manufacturing



On-Site/In-Field Services

Example Projects



Manufacturing of a PVC Chemical Storage Tank

Manufacturing of a Hetron Lined Process Vessel

Manufacturing of CPVC Piping for the Chlorine Production Industry

Dual-Lamination Construction of a Process Vessel in Coal Degasification

Manufacturer of High-Quality Dual-Laminate Vessels

When your process requires tanks and vessels with a high degree of chemical resistance, you can't afford to compromise on quality. With **B&D Plastics, LLC**, you receive the highest quality dual-laminate vessel, custom designed, manufactured and fabricated to meet your exact needs, and comparable in structural integrity and chemical resistance to the finest metal alloys but at a fraction of the cost. Our vessels will provide reliable performance for years, reducing maintenance costs, and giving you peace of mind.

B&D Plastics, LLC specializes in the highest quality dual-laminate and fiberglass process equipment. It's what we do - it's all we do. Our experts have over 100 years of combined experience in design and fabrication, enabling us to fabricate any dual-laminate project you can imagine.

Our computer design services incorporate the standards of ASTM and NBS PS15-69 into the most sophisticated design programs available for fiberglass plastics or dual-laminate process equipment, ensuring you the best possible design for your application. Our expertise, combined with state-of-the-art facilities, and experienced labor becomes your assurance of quality. When the application calls for chemical resistance in your process equipment, the dual-laminates of B&D Plastics will deliver!

B & D Plastics, LLC
5500 Allen Road Ocean Springs, MS 39565
Toll Free: (800) 844-5005 Phone: (228) 875-5865 Fax: (228) 875-5834
Email: info@bdplastics.com
Privacy Policy Sitemap

www.bdplastics.com

B&D® PLASTICS LLC CUSTOM DUAL-LAMINATE FABRICATION

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Biloxi, Mississippi 39530
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rsgill@rsgill-lawfirm.com

Legal Assistants:
Rhonda Charles
Carly Myers

Marilyn H. David
of Counsel

Donald P. Sigalas
of Counsel

RUSSELL S. GILL
AUSTIN CLARK

April 18, 2016

E-MAILED

City of Gautier
ATT: CHANDRA NICHOLSON
P.O. Box 670
Gautier, MS 39553-0670

Via Electronic Mail: cnicholson@gautier-ms.gov

Re: B & D Plastics, LLC

Dear Chandra:

On behalf of my client, B & D Plastics, LLC, I hereby acknowledge receipt of your letter of April 14, 2016.

My client will file a Variance Request and a Conditional Use Permit request by close of business April 19, 2016, with the understanding your office will place B & D's request on the agenda for the June 2 Planning Commission meeting.

Please be advised that B & D does not agree with your decision that its use of its property is heavy manufacturing, and contrary to the C-3 Zoning which the City decided in 2011.

Be advised the Conditional Use Application is made under protest and duress, and B & D reserves its legal rights to challenge your decision that it is heavy manufacturing operation at a later time.

Sincerely,
RUSSELL S. GILL, P.L.L.C.

Russell S. Gill

Russell S. Gill

E-MAILED
RSG/cmm

cc: John Hunter, Esq.
B & D Plastics, LLC

E-MAILED

City of Gautier
Economic Development / Planning Department
3305 Gautier-Vancleave Road
Gautier, MS, 39553
Phone: (228) 497-1878 Fax: (228) 497-8028

Building PERMIT# B11-03-085
JOB LOCATION: 5500 ALLEN RD GAUTIER
JOB DESCRIPTION: ASSEMBLY BUILDING

Permit Type	Building	**Permit Status**	Entered
Work Type	Addition	**Date Issued**	03/07/2011
Use Type	Commercial	**Date Expiration**	03/12/2012
Constr. Area (Sq Ft)		**Total Valuation**	$80,000.00

Parcels

Parcel Number	Zone	Subdivision	Lot
85298033.000			

Contacts

Type	Full Name	Main Phone	Address
Owner	REEVES TOMMY L & RITA F		5500 ALLEN RD MOSS POINT MS 39563
Applicant	B & D PLASTICS		

Contractors

Type	Name	Main Phone	Address
Home Owner	BUILDING SERVICES LLC		

Fees

Type	Date Paid	Amount	Outstanding
Building Permit Fee		$380.00	$380.00
		$380.00	**$380.00**

Work Items

Type	Quantity	Unit	Value per Unit	Total Value

Conditions of Issuance

THE OWNERS OF THIS BUILDING AND THE UNDERSIGNED AGREE TO NOTIFY THE BUILDING OFFICIAL OF ANY CHANGES IN PLANS FOR WHICH THIS PERMIT IS REQUESTED.

Owner/Authorized Signature Michael T. Goff	Date 3-10-11
Print Name Michael T. Goff	
Issuing initials:	Date

Spoke to Dale 3/1/11

Rec. 11/29/10 JBa

C

APPLICATION FOR A COMMERCIAL OR INDUSTRIAL PERMIT

PERMIT NUMBER _____

CITY OF GAUTIER

ACCEPTED BY

APPROVED BY

Application is hereby made for a permit under the provisions of the Comprehensive Zoning Ordinance of the City of Gautier and the Building, Fire Prevention and other applicable Codes of the City of Gautier and any amendments thereof, for the erection, construction, alteration, repair, relocation or change in use as indicated hereinafter and as shown in the accompanying plans and specifications and the representations therein contained are made a part of this application. In making this application the undersigned hereby acknowledges the validity of the zoning, fire prevention, building and other applicable ordinances and codes of the City of Gautier, and agrees that the provisions thereof shall be binding upon applicant as a condition precedent to the issuance of a permit.

APPLICANT TO COMPLETE NUMBERED SPACES ONLY

1. PROPERTY LOCATION
STREET NAME: ALLEN ROAD
NUMBER: 5500
LOT & BLOCK NO. (IF APPLICABLE)

2. CLASS OF WORK
☐ NEW ☐ ADDITION ☐ ALTERATION ☐ REPAIR ■ ACCESSORY BUILDING
☐ OTHER _____

3. OWNER: B & D PLASICS, LLC
PRESENT ADDRESS: 5500 ALLEN ROAD, OCEAN SPRINGS, MS 39564
PHONE: (228) 875 - 5865

4. CONTRACTOR: AUGUSTA FIBERGLASS COATINGS, INC.
ADDRRESS: 86 LAKE CYNTHIA ROAD, BLACKVILLE, SC 29817
PHONE: (803) 284-2246

5. EXISTING USE OF PROPERTY: MANUFACTURING FACILITY

6. INTENDED USE: ASSEMBLY BUILDING

7. VALUATION OF WORK: $ 80,000.00

DO NOT WRITE IN THIS SPACE

___BUUILDING FEE _____
___ELECTRICAL FEE _____
___PLUMBING FEE _____
___MECHANICAL FEE _____

TOTAL: _____

8. STRUCTURE INFORMATION

SQ. FT. OF LOT: 55,000 sq.ft.

BUILDING SIZE
WIDTH: Main: 75' / Lean-to: 30'
LENGTH: Main: 125' / Lean-to: 50'
HEIGHT (ROOFTOP): Main: 50' / Lean-to: 30'
BUILDING (SQUARE FOOTAGE): 10,875 sq.ft.

BUILDING MATERIALS
FOUNDATION: CONCRETE
EXT. WALL: STEEL & SHEETING
INT. WALL: STEEL & SHEETING
ROOF: STEEL & SHEETING

9. SIGNATURE: R. DALE CRIDER JR.
DATE: 11/26/10

ALL PLANS & SPECIFICATIONS MUST BE ATTACHED

FOR OFFICE USE ONLY

(A) FLOOD PLAIN INFORMATION: FLOOD ZONE _____ CERTIFIED ELEV. IF IN "A" ZONE _____

(B) PARKING SPACES: REQUIRED _____

ORIG	VIC		SEC		TS	RG	PL	CLASS	UNITS	

(C) ZONING DISTRICT _____

(D) AREA, SETBACK REG:
GREATER SETBACKS (IF APPLICABLE)

(E) PC HEARING NO. _____

30 Building -
50 - ~~B~~ Labor.

RECEIVED OCT 1 8 2010

NUCOR
BUILDING SYSTEMS
A DIVISION OF NUCOR CORPORATION

PROJECT NUMBER: T10X0410A
PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS, MS ADD
PROJECT LOCATION: OCEAN SPRINGS, MS COUNTY: JACKSON
CUSTOMER: AUGUSTA FIBERGLASS BLACKVILLE, SC

MBMA MEMBER

IAS ACCREDITED AC472

NOTES AND SPECIFICATIONS

BUILDING ERECTION NOTES

1) THE GENERAL CONTRACTOR AND/OR ERECTOR IS RESPONSIBLE TO SAFELY AND PROPERLY ERECT THE METAL BUILDING SYSTEM IN CONFORMANCE WITH THESE DRAWINGS, OSHA REQUIREMENTS, AND MBMA STANDARDS PERTAINING TO PROPER ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE CORRECT USE OF TEMPORARY GUYS AND BRACING WHERE NEEDED FOR SQUARING, PLUMBING, AND SECURING THE STRUCTURAL AND SECONDARY FRAMING. SECONDARY WALL FRAMING MEMBERS (GIRTS OR BAR JOISTS) ARE NOT DESIGNED TO FUNCTION AS A WORK PLATFORM OR PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS. SECONDARY ROOF FRAMING MEMBERS (PURLINS OR BAR JOISTS) ARE NOT DESIGNED TO PROVIDE SAFETY TIE OFF ATTACHMENT IN ACCORDANCE WITH OSHA REQUIREMENTS.

2) ALL HIGH STRENGTH BOLTS ARE TYPE ASTM A325 AND ARE TO BE INSTALLED TO THE "SNUG-TIGHT" CONDITION AS DEFINED BY THE RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS, 2004 EDITION, SECTION 8.1, UNLESS NOTED OTHERWISE. ALSO, NOTE THAT BOLTS IN STANDARD HOLES DO NOT REQUIRE WASHERS PER ASTM A325, SECTION 5 (b).

3) ALL A307 MACHINE BOLTS ARE TO BE BROUGHT TO A "SNUG TIGHT" CONDITION TO ENSURE THAT THE MATERIALS IN THE JOINT ARE BROUGHT INTO GOOD CONTACT WITH EACH OTHER.

4) WASHERS ARE REQUIRED AT ALL SLOTTED CONNECTIONS AS FOLLOWS:
-HOLE TO SLOT CONNECTION, ONE WASHER REQUIRED ON SLOTTED SIDE.
-SLOT TO SLOT CONNECTION, TWO WASHERS REQUIRED, ONE ON EACH SIDE OF THE CONNECTION.
HOWEVER AT LAPPED ZEE MEMBERS, WHETHER PURLINS OR GIRTS, NO WASHERS ARE REQUIRED IN THE 6-BOLT LAPPED REGION.

5) THE METAL BUILDING SUPPLIER SHALL BE NOTIFIED PRIOR TO ANY FIELD MODIFICATIONS. MODIFICATIONS SHALL BE APPROVED BY THE METAL BUILDING SUPPLIER BEFORE WORK IS UNDERTAKEN.

6) ALL WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS INDICATED. ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.

7) COMMON ABBREVIATIONS:

a) TYP UNO-TYPICAL UNLESS NOTED OTHERWISE	f) SIM.-SIMILAR
b) SLV-SHORT LEG VERTICAL	g) NIC-NOT IN CONTRACT
c) LLV-LONG LEG VERTICAL	h) SL-STEEL LINE
d) NS & FS-NEAR SIDE AND FAR SIDE	i) N/A-NOT APPLICABLE
e) O.A.L.-OVERALL LENGTH	j) MBS-METAL BUILDING SUPPLIER

8) CONSTRUCTION LOADS SHALL NOT BE PLACED ON ANY STRUCTURAL STEEL FRAMEWORK UNLESS SUCH FRAMEWORK IS SAFELY BOLTED, WELDED, OR OTHERWISE ADEQUATELY SECURED.

9) PURLINS AND GIRTS SHALL NOT BE USED AS AN ANCHORAGE POINT FOR A FALL ARREST SYSTEM UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE METAL BUILDING SUPPLIER.

10) PURLINS MAY ONLY BE USED AS A WALKING/WORKING SURFACE WHEN INSTALLING SAFETY SYSTEMS, AFTER ALL PERMANENT BRIDGING HAS BEEN INSTALLED AND FALL PROTECTION IS PROVIDED.

11) CONSTRUCTION LOADS MAY BE PLACED ONLY WITHIN A ZONE THAT IS WITHIN 8 FEET OF THE CENTER-LINE OF THE PRIMARY SUPPORT MEMBER. CFR BUNDLES SHOULD BE PLACED DIRECTLY OVER THE MAIN FRAMES.

12) ALL LIFTING DEVICES MUST MEET OSHA OR MSHA STANDARDS AND IN NO CASE IS IT ACCEPTABLE TO USE STRUCTURAL MEMBERS SUPPLIED BY THE MBS AS A SPREADER BAR OR LIFTING DEVICE.

GENERAL DESIGN NOTES AND MATERIAL SPECIFICATIONS

1) ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN", NINTH EDITION, OR THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", THIRTEENTH EDITION, AS REQUIRED BY THE SPECIFIED BUILDING CODE.

2) ALL WELDING OF STRUCTURAL STEEL IS BASED ON AWS D1.1 "STRUCTURAL WELDING CODE", LATEST EDITION.

3) ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.

4) ALL WELDING OF COLD FORMED STEEL IS BASED ON AWS D1.3 "STRUCTURAL WELDING CODE - SHEET STEEL", LATEST EDITION.

5) IF JOISTS ARE INCLUDED WITH THIS PROJECT, THEY ARE SUPPLIED AS A PART OF THE SYSTEMS-ENGINEERED METAL BUILDING AND ARE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1926.756 OF THE OSHA SAFETY STANDARD FOR STEEL ERECTION, DATED JANUARY 18, 2001.

6) MATERIAL SPECIFICATIONS:

PLATE AND FLANGE MATERIAL:	
5"-12" WIDE & THRU 1" THICK	A572, GRADE 50
OTHERS	A36
BUILT-UP STRUCTURAL WEB MATERIAL	A1011 SS (OR HSLAS CL1) GR 55
HOT-ROLLED STRUCTURAL	A36 OR A572 GRADE 50
STRUCTURAL TUBE	A500 GRADE B (46 KSI)
STRUCTURAL PIPE	A500 GRADE B (42 KSI)
COLD-FORMED STRUCTURAL	A1011 SS (OR HSLAS CL1) GR 55
RF3 ROOF PANELS	A792 GRADE 80
STANDING SEAM ROOF PANELS	A792 GRADE 80, CLASS 1
R-PANEL AND A-PANEL SIDING	A653 GRADE 50, CLASS 1 OR A792 GRADE 50, CLASS 1
ROD BRACING	A529 GRADE 50
CABLE BRACING	A475 COATING CLASS A, GRADE DHS, 7-WIRE
WELDS	AWS D1.1 LATEST EDITION
HIGH-STRENGTH BOLTS	A325 TYPE 1 HEAVY HEX OR A490 TYPE 1 HEAVY HEX
MACHINE BOLTS	A-307 GRADE A HEX

TRADEMARK 2004, NUCOR BUILDING SYSTEMS

PRIMARY AND SECONDARY STEEL PRIMER COLOR: RED

ROOF SHEETING, TYPE: CLASSIC 26 GAGE, FINISH: GALVALUME

ROOF PANEL CLIP TYPE: ☒ N/A ☐ TALL ☐ SHORT ☐ UTILITY ☐ FIXED ☐ FLOATING

THERMAL BLOCKS: ☐ YES ☒ NO EPS FOAM SPACER: ☐ YES ☒ NO

SEAMING METHOD (FOR CFR ONLY): ☐ ROLL LOCK™ ☐ VISE LOCK™ ☐ VISE LOCK 360°™
REFER TO THE DETAIL PAGES FOR ADDITIONAL SEAMING INFORMATION
CLASSIC AND CFR GUTTER HANGERS ARE PROVIDED IN GALVANIZED COLOR ONLY. W16 GUTTER HANGERS ARE AVAILABLE COLORED.

COMPOSITE ROOF DECK, TYPE: N/A GAGE, FINISH:

ROOF DECK ONLY, TYPE: N/A GAGE, FINISH:

ROOF LINE TRIM, PAINTED: LIGHTSTONE/GALVALUME

EXTERIOR WALL SHEETING, TYPE: CLASSIC WALL 26 GAGE, FINISH: LIGHTSTONE

EXTERIOR WALL CORNER TRIM FINISH: LIGHTSTONE

EXTERIOR BASE TRIM, PAINTED: BURNISHED SLATE

FRAMED OPENING TRIM, PAINTED: LIGHTSTONE

FRAMED OPENING COVER TRIM, PAINTED: N/A

WALL FRAMED OPENING, SIZES: (1)50'-0"x50'-0"

INTERIOR WALL SHEETING, TYPE: N/A GAGE, FINISH:

INTERIOR CEILING LINER, TYPE: N/A GAGE, FINISH:

INTERIOR WALL TRIM, PAINTED: N/A

YES	NO	
☒	☐	DOWNSPOUTS PAINTED: LIGHTSTONE GUTTERS PAINTED: LIGHTSTONE
☐	☒	WALKDOORS, QUANTITY: PAINTED:
☐	☒	WINDOWS: PAINTED:
☒	☐	INSULATION (NOT BY MBS), ROOF: 4" BATT WALLS: 4" BATT
☐	☒	CRANES (SEE CRANE PLAN FOR ADDITIONAL CRANE INFORMATION)
☐	☒	MEZZANINE (SEE MEZZANINE PLAN FOR ADDITIONAL MEZZANINE INFO)
☐	☒	WALL TRANSLUCENT PANELS, LENGTH: QUANTITY:
☐	☒	ROOF TRANSLUCENT PANELS, LENGTH: QUANTITY:
		INSULATED PANELS YES ☐ NO ☐
☐	☒	PIPE JACKS, SIZE: QUANTITY:
☐	☒	ROOF FRAMED OPENINGS, SEE ROOF FRAMING PLAN FOR SIZES
☐	☒	ROOF CURBS (BY MBS), SEE ROOF FRAMING PLAN FOR SIZES
☐	☒	RIDGE VENTS, 10'-0" LONG X ☐ 12" ☐ 9" THROAT. QUANTITY:
		SINGLE UNITS ☐ CONTINUOUS UNITS ☐

REVISION NOTES:

YES	NO	
☒	☐	FASCIA, PROJECTION: TOP OF FASCIA HEIGHT:
		FACE PANEL, TYPE: GAGE, FINISH:
		BACK PANEL, TYPE: GAGE, FINISH:
		CAP TRIM PAINTED: BASE TRIM PAINTED:
		☐ CLOSED SYSTEM, CLEAR UNDER SOFFIT TRIM:
		SOFFIT PANEL, TYPE: GAGE, FINISH:
		SOFFIT TRIM AT BUILDING LINE PAINTED:
		☐ OPEN SYSTEM, (NO SOFFIT PANEL PROVIDED)
		CLEAR UNDER FASCIA:
☐	☒	PARAPET SYSTEM
		☐ STRUCTURAL PARAPET ☐ NON-STRUCTURAL PARAPET ☐ NOT BY MBS
		TOP OF PARAPET HEIGHT:
		BACKER PANEL, TYPE: GAGE, FINISH:
☐	☒	CANOPY (EXPOSED BEAM), PROJECTION:
		AT EAVE LINE ☐ BELOW EAVE ☐
		ROOF PANEL, TYPE: GAGE, FINISH:
		SOFFIT PANEL, TYPE: GAGE, FINISH:
		SOFFIT TRIM AT BUILDING LINE PAINTED:
		CLEAR UNDER CANOPY BEAM:
☐	☒	BOXED-OUT CANOPY, PROJECTION: ☐ AT EAVE LINE ☐ BELOW EAVE
		ROOF PANEL, TYPE: GAGE, FINISH:
		FACE PANEL, TYPE: GAGE, FINISH:
		SOFFIT PANEL, TYPE: GAGE, FINISH:
		SOFFIT TRIM AT BLDG LINE PAINTED:
		CLEAR UNDER SOFFIT: BASE TRIM PAINTED:
☐	☒	EAVE EXTENSION (CONCEALED BEAM), PROJECTION:
		SOFFIT PANEL, TYPE: GAGE, FINISH:
		SOFFIT TRIM AT BUILDING LINE PAINTED:
☐	☒	RAKE EXTENSION, PROJECTION:
		SOFFIT PANEL, TYPE: GAGE, FINISH:
		SOFFIT TRIM AT BUILDING LINE PAINTED:
☐	☒	PARTITION WALL SHEETING
		PANEL TYPE: GAGE, FINISH:
		PARTITION WALL TRIM COLOR:

OCT 14 2010

BUILDING LOADS

DESIGN CODE: IBC 2006 BUILDING END USE: 2A

ROOF LIVE LOAD: 20.00 PSF MBMA OCC. CLASS:
REDUCIBLE PER CODE II - STANDARD BUILDINGS

GROUND SNOW LOAD: 0 PSF SNOW EXP. FACTOR, Ce: 0.90
SNOW IMPORTANCE FACTOR, Is: 1.00

WIND: 140 mph WIND IMPORTANCE FACTOR, Iw: 1
EXPOSURE: C WITHIN HURRICANE COASTLINE ☒ YES ☐ NO

UL 90 ☐ YES ☒ NO
Classic Roof-Const. No. 161; Classic Roof w/ Translucent Panel-Const. No. 167
CFR Roof-Const. No. 552; CFR Roof w/ Translucent Panel-Const. No. 590
Composite CFR Roof-Const. No. 552A; VR16 & Roof-Const. No. 332

SEISMIC INFORMATION Ss=0.132, S1=0.058
Design Sds/Sd1: 0.141/0.093 Site Class: D
Seismic Imp. Factor Ie: 1.0 Seismic Design Category: B
Analysis Procedure: Equivalent Lateral Force Method
Basic SFRS: Not detailed for seismic

NOTES:
1) COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC., ARE SUSPENDED FROM ROOF MEMBERS, CONSULT THE M.B.S. IF THESE CONCENTRATED LOADS EXCEED 200 POUNDS, OR IF INDIVIDUAL MEMBERS ARE LOADED SIGNIFICANTLY MORE THAN OTHERS.

2) THE DESIGN OF STRUCTURAL MEMBERS SUPPORTING GRAVITY LOADS IS CONTROLLED BY THE MORE CRITICAL EFFECT OF ROOF LIVE LOAD OR ROOF SNOW LOAD, AS DETERMINED BY THE APPLICABLE CODE.

	BUILDING Building 1	BUILDING Building 2
ROOF DEAD (PSF):	2.50	2.50
PRI. COL. (PSF):	3.00	3.00
SEC. COL. (PSF):	3.00	3.00
SNOW Cl:	---	---
SNOW Cs:	---	---
ROOF SNOW (PSF):	0	0
WIND ENCLOSURE:	Part.	Part.
GCpi:	+/- 0.55	+/- 0.55
SEISMIC R:	3	3
SEISMIC Cs:	.047	.047
BASE SHEAR (KIPS):	4.50	1.00

ERECTION MANUALS REQUIRED
(ERECTION MANUALS ARE SHIPPED WITH THE BUILDING IN A WAREHOUSE PACKING CRATE)

☐ CFR ROOF	☐ (H9600) OR ☐ (H8250)	☐ SINGLE CURB (H8850)
☒ CLASSIC ROOF	☒ (H9420) OR ☐ (H8201)	☐ DOUBLE CURB (H8800)
☒ WALL SHEETING	☒ (H9430) OR ☐ (H8300)	☐ VR16 (H9900)

☐ JOIST BRIDGING PACKET (SENT SEPARATELY BY JOIST MANUFACTURER)

DRAWING INDEX

COVERSHEET C1 A/BOLT DWGS F1, F2
COLUMN BASE REACTIONS R1-R9 (REPRINTS 8 1/2" X 11" SUBMITTAL)
STRUCTURAL/SHEETING DRAWINGS E1,E2,E3,E4,E5,E6,E7,E8,E9,E10,E11,E12 E13,E14,E15,E16,E17
DETAILS D1,D2,D3,D4,D5,D6,D7

ISSUE	DR	NT	CHK	ENG	P.E.	DATE
CONSTRUCTION ANCHOR BOLTS	DI	AW	DSS	KAW	FTY	10/11/10
PERMIT DRAWINGS			DWR	SR		10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

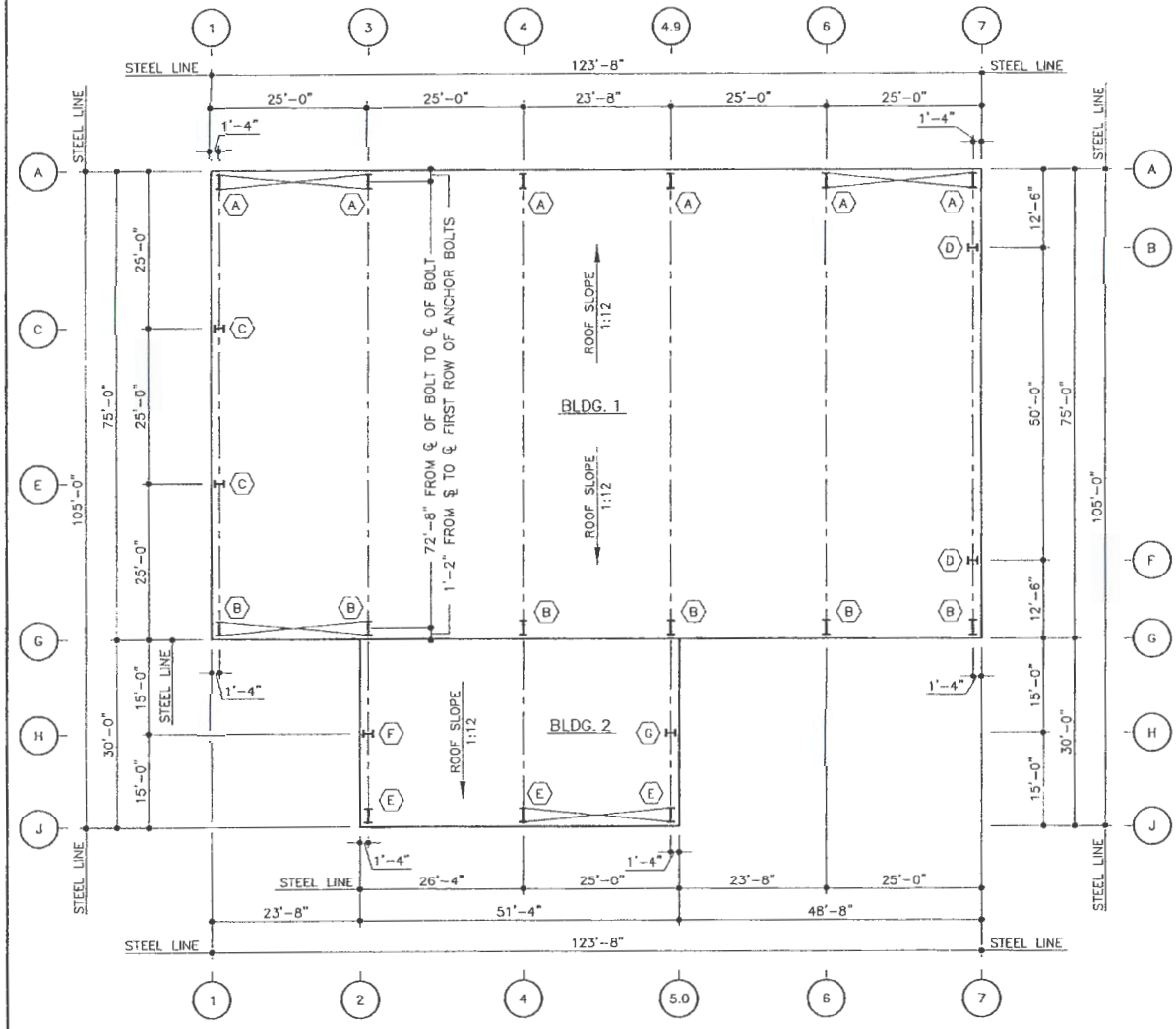
PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: C1 of 1

ELTON T. YAGER
REGISTERED PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



ANCHOR BOLT PLAN

GENERAL NOTES

1. THE SPECIFIED ANCHOR BOLT SIZE ASSUMES A36 THREADED ROD MATERIAL FOR BOLTS. EQUAL DIAMETER A307 BOLTS MAY BE USED IN PLACE OF THREADED ROD. ANCHOR BOLT EMBEDMENT LENGTH IS TO BE DETERMINED BY THE FOUNDATION DESIGN ENGINEER.
2. THE METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR FOUNDATION DESIGN. THE FOUNDATION DESIGN SHALL BE DONE BY A REGISTERED PROFESSIONAL ENGINEER, FAMILIAR WITH LOCAL SITE CONDITIONS.
3. ALL ANCHOR BOLTS, FLAT WASHERS FOR ANCHOR BOLTS, EXPANSION BOLTS, AND ALL CONCRETE/MASONRY EMBEDS ARE NOT BY THE METAL BUILDING MANUFACTURER.
4. THIS DRAWING IS NOT TO SCALE.
5. FINISHED FLOOR ELEVATION = 100'-0"
6. "SINGLE" CEE COLUMNS SHOULD BE ORIENTED WITH THE "TOES" TOWARD THE LOW EAVE UNLESS SHOWN OTHERWISE.

-- CROSS BRACING

BOTTOM OF BASEPLATE
ELEV. = 100'-0"
AT FINISHED FLOOR

ANCHOR BOLT SCHEDULE

QUANTITY	SIZE	PROJECTION
0	3/4"	3" FROM BOTTOM OF BASE PLATE
36	1"	3" FROM BOTTOM OF BASE PLATE
96	1 1/4"	3" FROM BOTTOM OF BASE PLATE

THE ANCHOR BOLT SETTINGS SHOWN ON THESE DRAWINGS NOT ONLY INDICATE WHERE THE ANCHOR BOLTS ARE TO BE PLACED, BUT ALSO THE FOOTPRINT OF THE METAL BUILDING. IT IS ESSENTIAL THAT THESE BOLT PATTERNS BE FOLLOWED. IN THE EVENT THAT THESE SETTINGS DIFFER FROM THE ARCHITECTURAL FOUNDATION PLANS, THE METAL BUILDING MANUFACTURER MUST BE CONTACTED IMMEDIATELY, BEFORE CONCRETE IS PLACED.

OCT 14 2010

ISSUE	DWN	CHK	ENG	P.E.	DATE
CONSTRUCTION ANCHOR BOLTS	DWN	DSS	KAW	FTY	10/11/10
PERMIT DRAWINGS	DWN	SR	KAW		10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524 5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS

CUSTOMER: AUGUSTA FIBERGLASS
QUACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: F1 of 2

RAMON T. YAGER
REGISTERED PROFESSIONAL ENGINEER
10/14/10
18072
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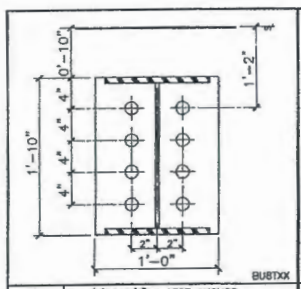
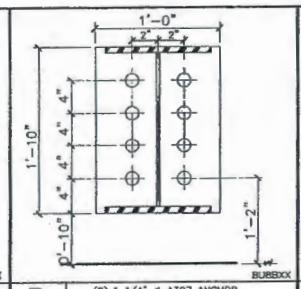
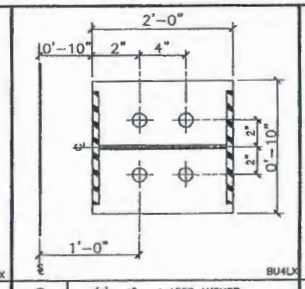


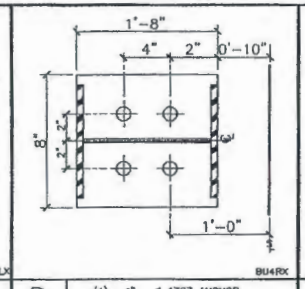
A (8) 1 1/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



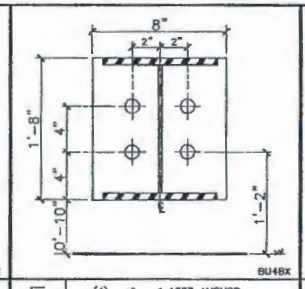
B (8) 1 1/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



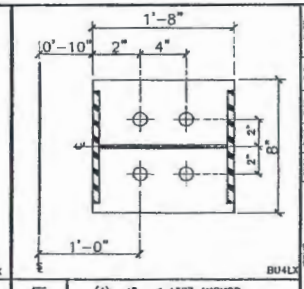
C (4) 1" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



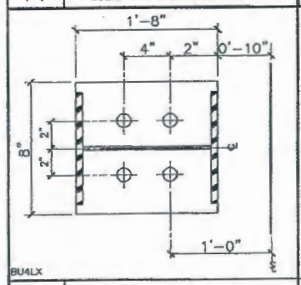
D (4) 1" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



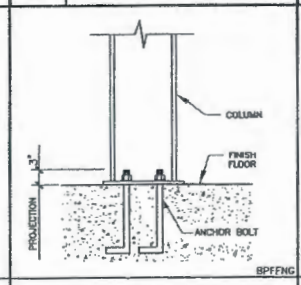
E (4) 1" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



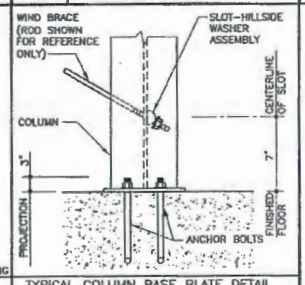
F (4) 1" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



G (4) 1" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



TYPICAL COLUMN BASE PLATE DETAIL



TYPICAL COLUMN BASE PLATE DETAIL AT SLOT-HILLSIDE WASHER LOCATION

OCT 14 2010

ISSUE	DWN	CHK	ENG	P.E.	DATE
CONSTRUCTION ANCHOR BOLTS	DWW	DSS	KAW	FTY	10/11/10
PERMIT DRAWINGS	DWW	SR			11/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PRODUCT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: F2 of 2

FRANK T. YAGER III
PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

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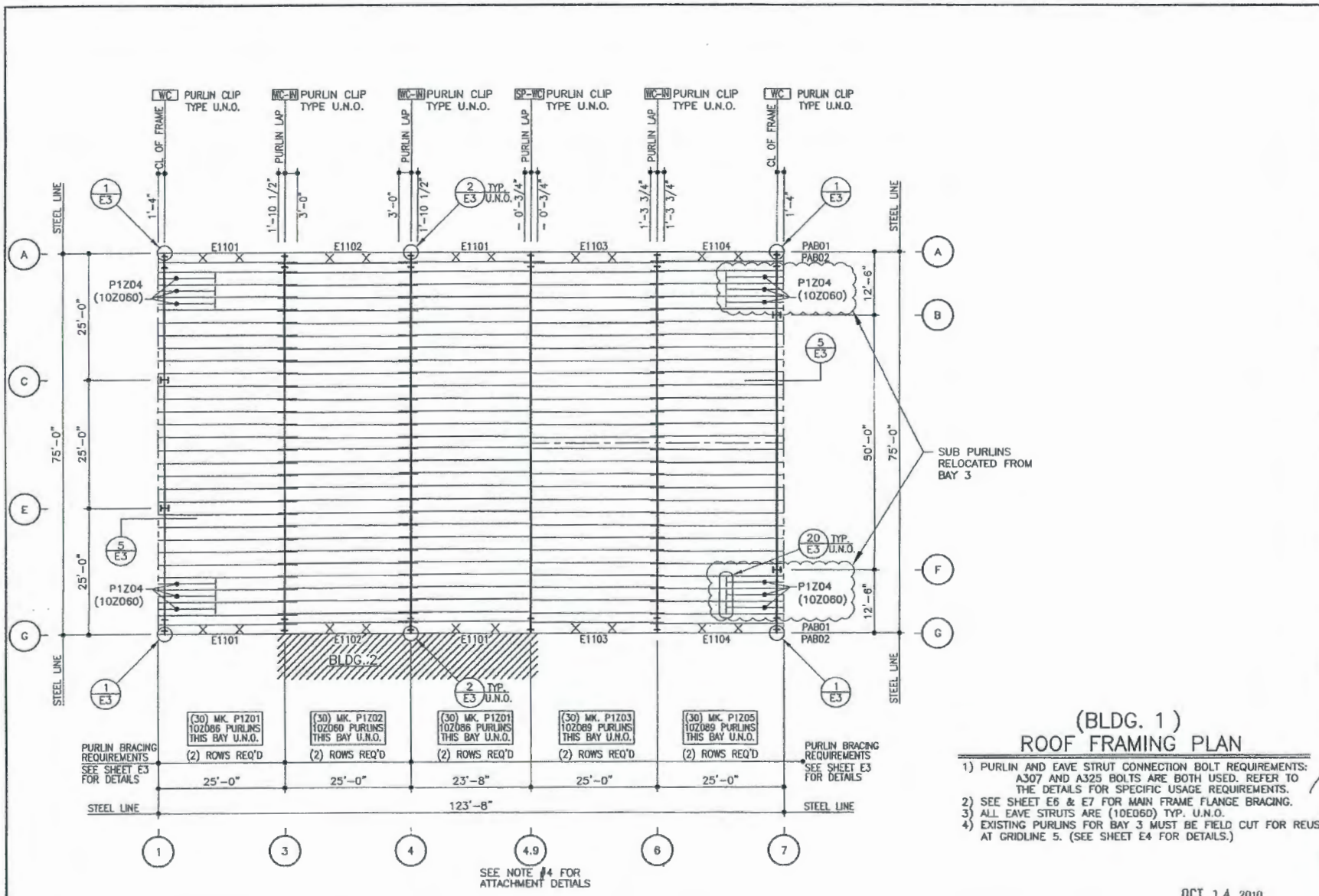

(BLDG. 1)
ROOF FRAMING PLAN

1) PURLIN AND EAVE STRUT CONNECTION BOLT REQUIREMENTS: A307 AND A325 BOLTS ARE BOTH USED. REFER TO THE DETAILS FOR SPECIFIC USAGE REQUIREMENTS.
2) SEE SHEET E6 & E7 FOR MAIN FRAME FLANGE BRACING.
3) ALL EAVE STRUTS ARE (10E060) TYP. U.N.O.
4) EXISTING PURLINS FOR BAY 3 MUST BE FIELD CUT FOR REUSE AT GRIDLINE 5. (SEE SHEET E4 FOR DETAILS.)

OCT 14 2010

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWW	SR			10/14/10

MUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E1 of 17

RALPH TAYLOR PROFESSIONAL ENGINEER 18072 STATE OF MISSISSIPPI

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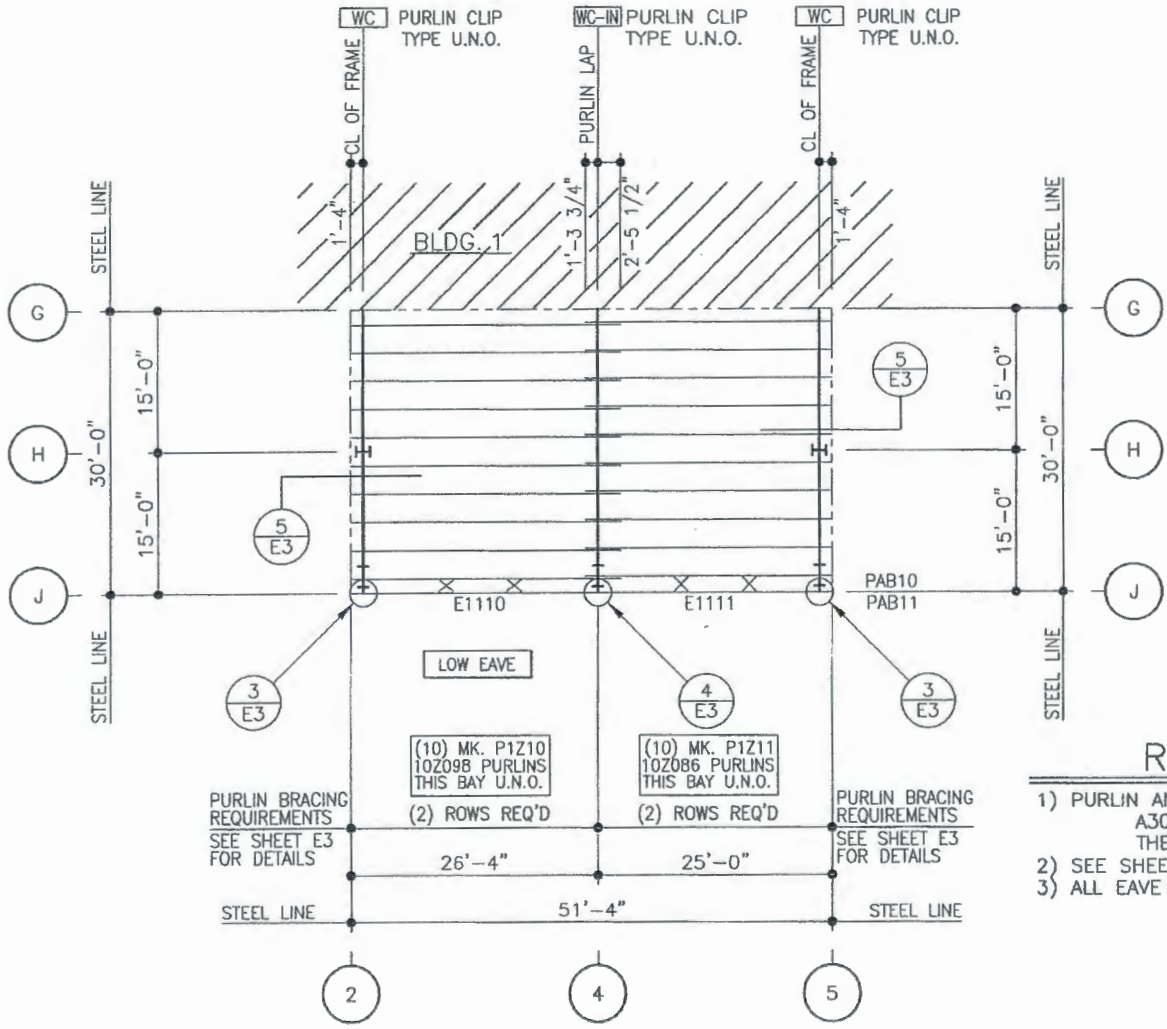

(BLDG. 2)
ROOF FRAMING PLAN

1) PURLIN AND EAVE STRUT CONNECTION BOLT REQUIREMENTS: A307 AND A325 BOLTS ARE BOTH USED. REFER TO THE DETAILS FOR SPECIFIC USAGE REQUIREMENTS.
2) SEE SHEET E8 FOR MAIN FRAME FLANGE BRACING.
3) ALL EAVE STRUTS ARE (10E060) TYP. U.N.O.

OCT 14 2010

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWW	SR			10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E2 of 17

LYNDON L. YARBROUGH REGISTERED PROFESSIONAL ENGINEER 10/14/10 16072 STATE OF MISSISSIPPI

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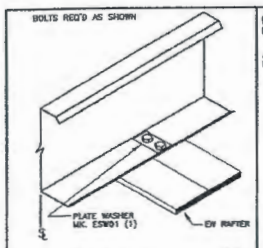
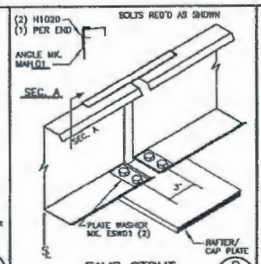


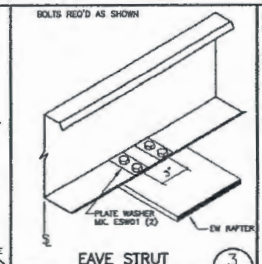
EAVE STRUT (1 / E3)

BYPASS SIDEWALL CONDITION
LOW EAVE BUILT-UP EW CONDITION
USE (2) 1/2" X 2" A325 BOLT H0603/NUT H0300 U.N.O.



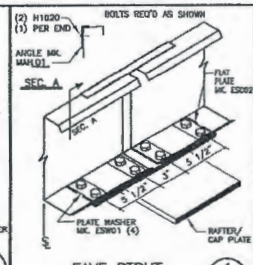
EAVE STRUT (2 / E3)

LOW EAVE BY-PASS SW GIRT CONDITION
USE (4) 1/2"x 2" A325 BOLT H0603/NUT H0300 U.N.O.



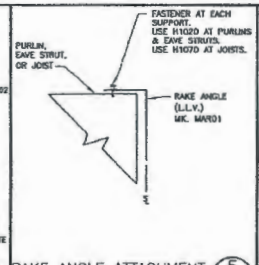
EAVE STRUT (3 / E3)

BYPASS SIDEWALL CONDITION
LOW EAVE BUILT-UP EW CONDITION
USE (4) 1/2" X 2" A325 BOLT H0603/NUT H0300 U.N.O.



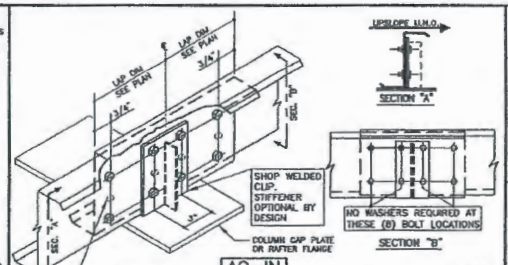
EAVE STRUT (4 / E3)

LOW EAVE BYPASS SW GIRT CONDITION
USE (8) 1/2" X 2" A325 BOLT H0603/NUT H0300 U.N.O.



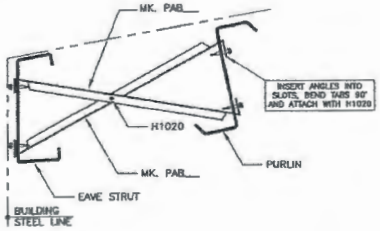
RAKE ANGLE ATTACHMENT (5 / E3)

AT ENDWALL STEEL LINE



AC—IN
WC—IN
WS—IN

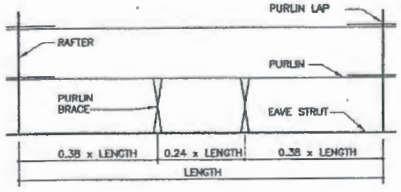
WELDED CLIP @ INTERIOR FRAME
USE (8) 1/2" x 1 1/4" A307 BOLTS H0605/NUTS H0400 U.N.O.



PLAN VIEW OF PURLIN BRACING LOCATIONS PER BAY

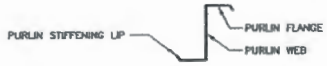
1) THERE ARE ALWAYS (2) ROWS OF PURLIN BRACING REQUIRED REGARDLESS OF THE BAY LENGTH.

2) THE PURLIN BRACING IS ALWAYS SPACED AS SHOWN IN THE DETAIL BELOW.



LOW EAVE PURLIN BRACING

(EAVE STRUT TO FIRST PURLIN)



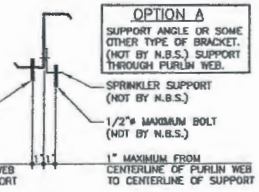
GENERAL RESTRICTION:

UNDER NO CIRCUMSTANCES CAN THE PURLIN STIFFENING LIP BE FIELD MODIFIED FROM THE FACTORY SUPPLIED CONDITION. ALSO DO NOT HANG ANYTHING FROM PURLIN STIFFENING LIP.

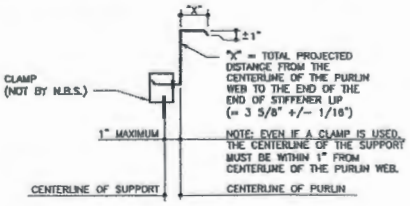
PREFERRED OPTIONS FOR SPRINKLER SUPPORT ATTACHMENTS:

OPTION B
DRILL SPRINKLER SUPPORT THROUGH THE BOTTOM FLANGE OF THE PURLIN.

OPTION A
SUPPORT ANGLE OR SOME OTHER TYPE OF BRACKET. (NOT BY N.B.S.) SUPPORT THROUGH PURLIN WEB.

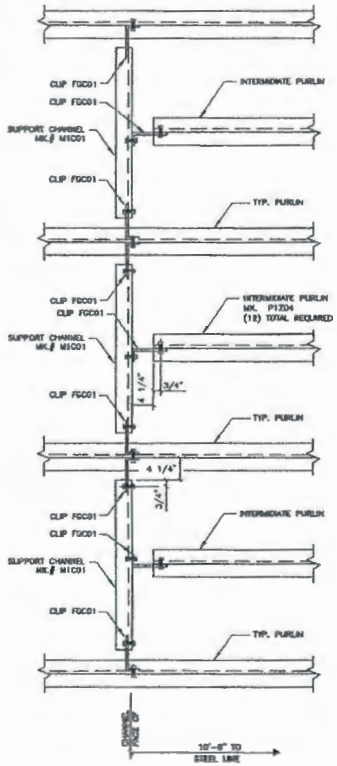


IF PURLIN FLANGE SUPPORT CLAMPS ARE USED:



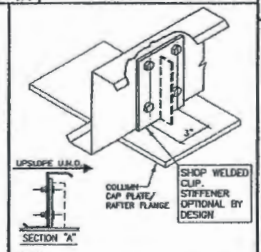
N.B.S. PURLIN SUPPORT METHODS

BD0130



INTERMEDIATE PURLIN DETAIL (20 / E3)

NOTE: USE 1/2"X 2" A325 BOLTS H0603/NUTS H0300
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



AC
WC
WS

WELDED CLIP @ END FRAME
USE (4) 1/2" x 1 1/4" A307 BOLTS H0605/NUTS H0400 U.N.O.
REFERENCE ERECTOR NOTE FOR TYP. WASHER REQUIREMENTS

OCT 14 2010

REVISE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWY	SR			10/14/10

NUCOR BUILDING SYSTEMS GROUP
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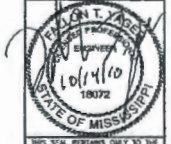
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS

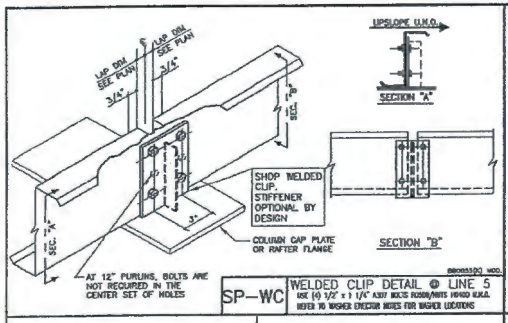
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E3 of 17



THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



SP-WC

WELDED CLIP DETAIL @ LINE 5

USE (4) 1/2" x 1 1/4" A307 BOLTS POSITIONED U.N.O.

REFER TO WASHER ERECTION NOTES FOR WASHER LOCATIONS

OCT 14 2010

ISSUE	DWN	CHK	DFG	P.E.	DATE
PERMIT DRAWINGS	DWB	SR	P.E.		10/14/10

NUCOR BUILDING SYSTEMS GROUP

600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS

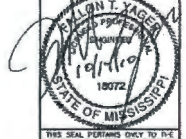
OCEAN SPRINGS, MS

CUSTOMER: AUGUSTA FIBERGLASS

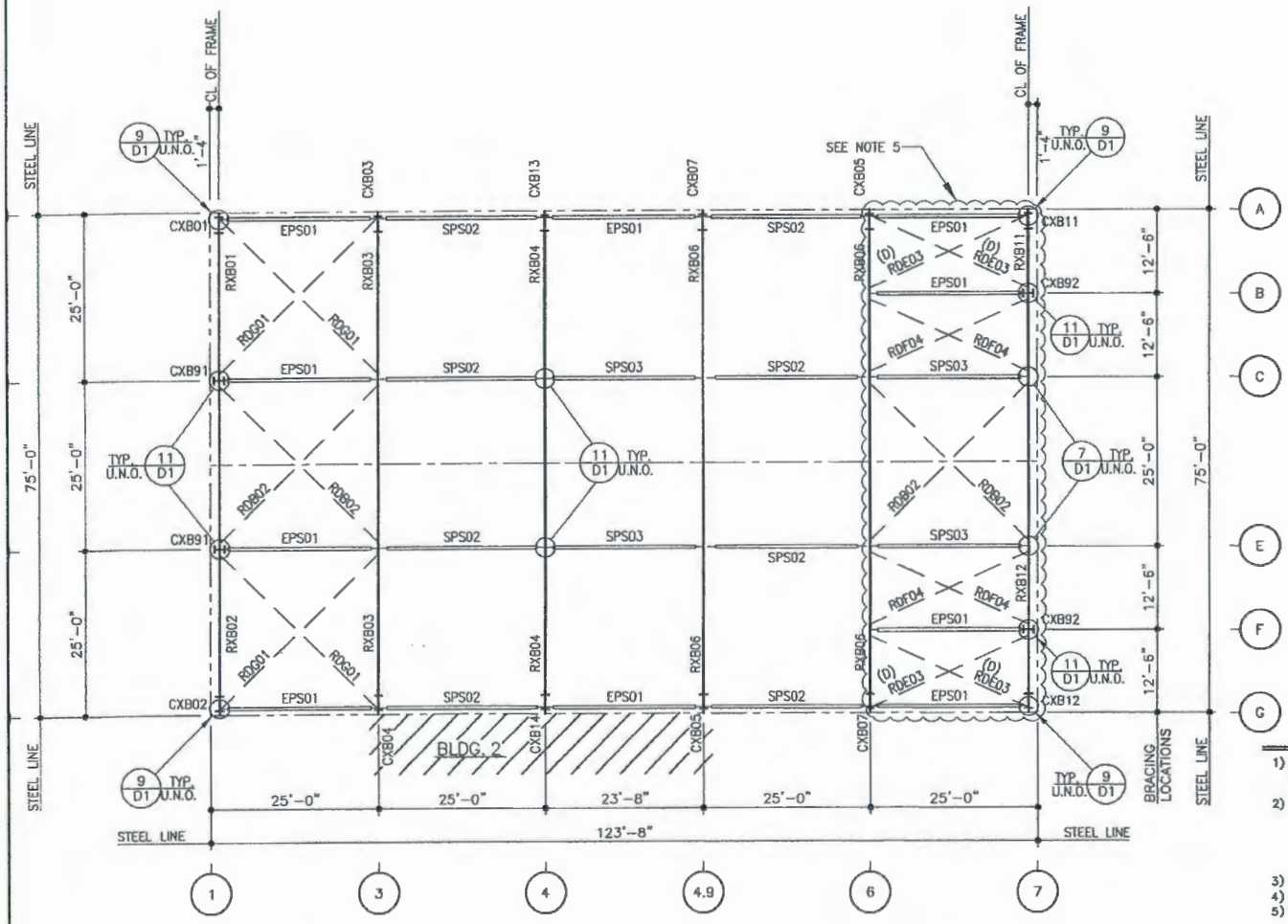
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E4 of 17



THIS SEAL PERTAINS ONLY TO P-E MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND P.E. METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND S-901 NOT BE CONSTRUED AS SUCH.



(BLDG. 1)
MARK NUMBER & BRACING PLAN

1) PLACE WELDED METAL TAGGED END OF RAFTERS TOWARD THE LOW EAVE. FOR COLD FORMED RAFTERS, PLACE TAGGED END TOWARD THE LOW EAVE.
2) ROD-BRACING: SEE SHEET D1 FOR DETAIL
   - RDB___ – INDICATES 5/8" ø ROD
   - RDE___ – INDICATES 1" ø ROD
   - (D) – INDICATES "DOUBLE RODS"
   - RDF___ – INDICATES 1 1/8" ø ROD
   - RDG___ – INDICATES 1 1/4" ø ROD
3) SPS___ INDICATES (6 5/8" X .134) PIPE STRUT.
4) EPS___ INDICATES (8 5/8" X .148) PIPE STRUT.
5) BRACING FROM BAY 3 RELOCATED TO BAY 5.

OCT 14 2010

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWW	SR			10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

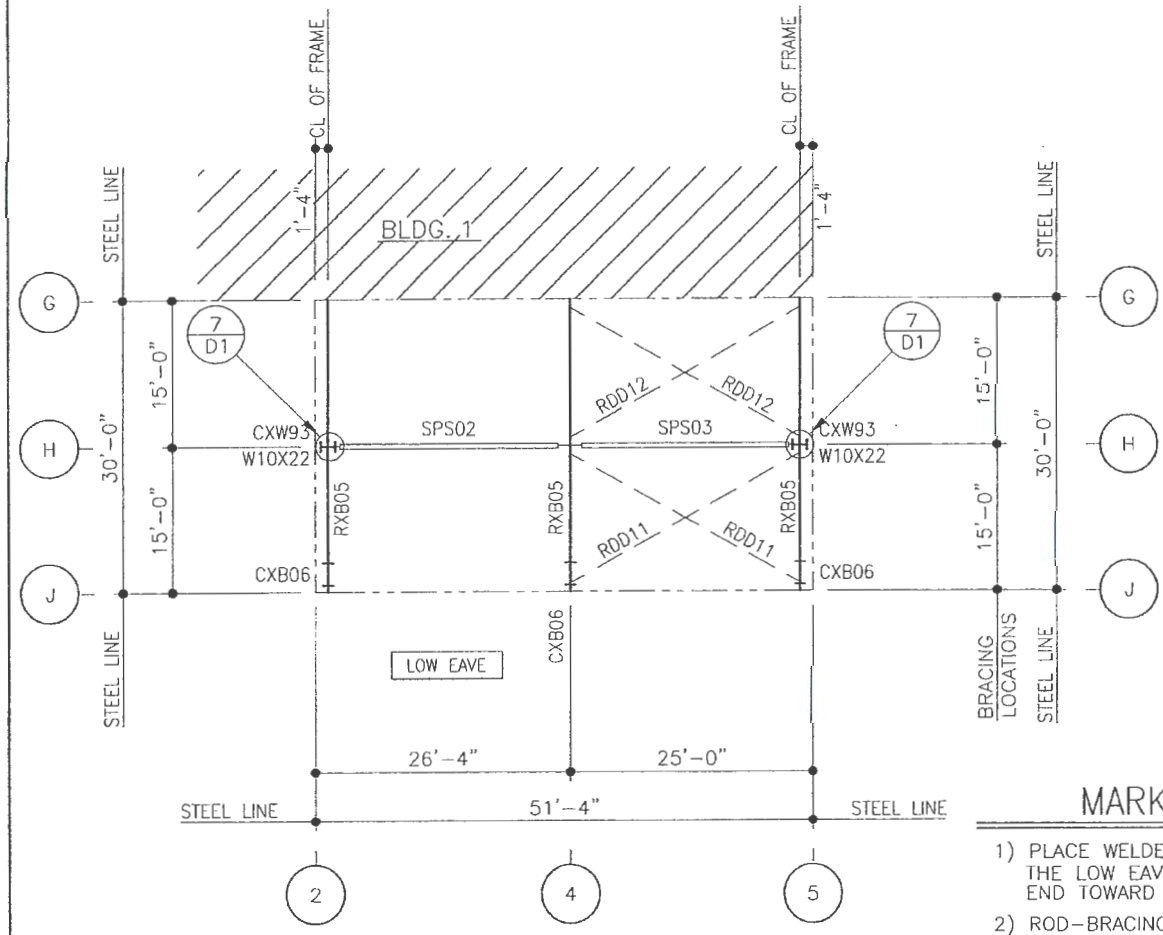
PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E5 of 17

PALLON T. MOSLEY
REGISTERED PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SEEK AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



(BLDG. 2)
MARK NUMBER & BRACING PLAN

1) PLACE WELDED METAL TAGGED END OF RAFTERS TOWARD THE LOW EAVE. FOR COLD FORMED RAFTERS, PLACE TAGGED END TOWARD THE LOW EAVE.
2) ROD-BRACING: SEE SHEET D1 FOR DETAIL
   RDD___ - INDICATES 7/8" ø ROD
3) SPS___ INDICATES (6 5/8" X .134) PIPE STRUT.

OCT 14 2010

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DRW	SR	KT		10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

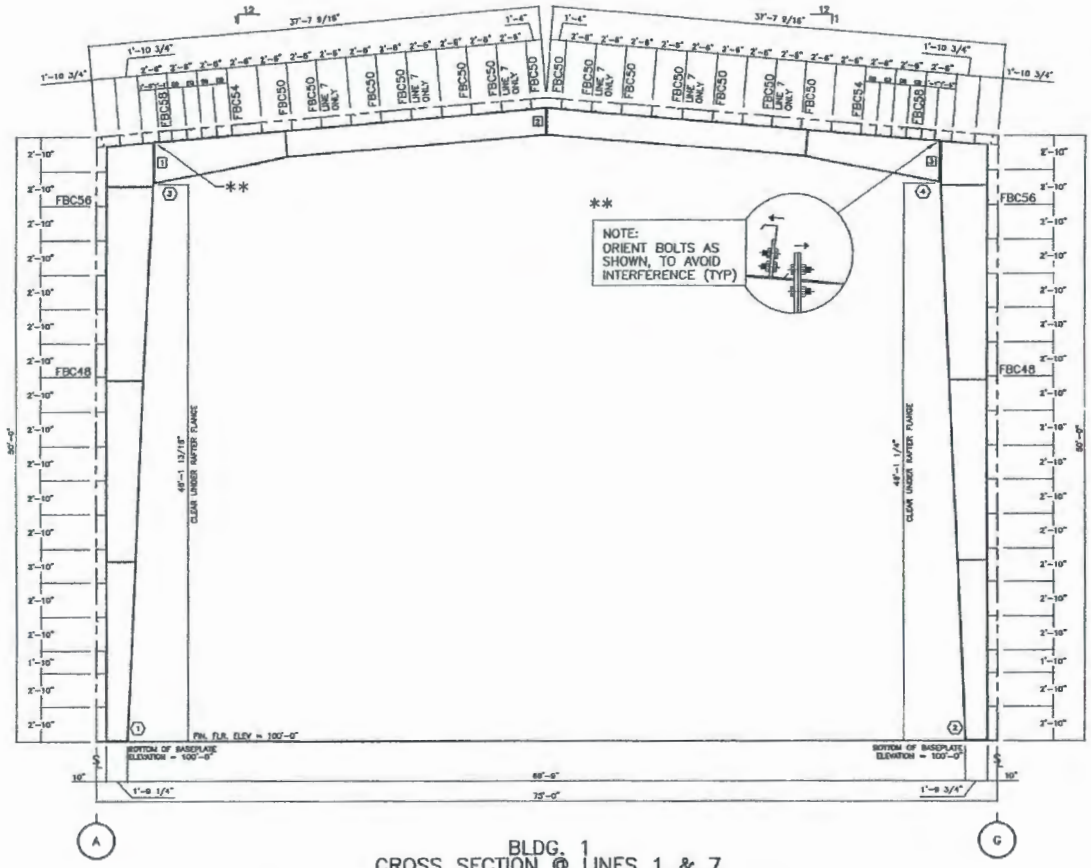
PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E6 of 17

FALON T. KARR
PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

THE SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



BLDG. 1
CROSS SECTION @ LINES 1 & 7
**FRAME LINE 5 RELOCTED TO FRAME LINE 7.

OCT 14 2010

MBR ID	LOW PLATE WIDTH	LOW PLATE THICK	HIGH PLATE WIDTH	HIGH PLATE THICK	OUTSIDE FLANGE WIDTH	OUTSIDE FLANGE THICK	OUTSIDE FLANGE LENGTH	INSIDE FLANGE WIDTH	INSIDE FLANGE THICK	INSIDE FLANGE LENGTH	MEMBER WEB DEPTH1	MEMBER WEB THICK	MEMBER WEB LENGTH	MEMBER WEB DEPTH2
1	12.00	0.75	12.00	0.75	12.00	0.38	589.75	12.00	0.38	550.50	20.50	0.20	179.00	28.75
											28.75	0.20	179.00	36.94
											36.94	0.23	191.88	46.00
											46.00	0.31	38.88	46.00
2	12.00	0.75	12.00	0.63	12.00	0.63	589.75	12.00	0.63	550.50	20.50	0.20	179.00	28.75
											28.75	0.20	179.00	36.94
											36.94	0.23	191.88	46.00
											46.00	0.31	38.88	46.00
3	10.00	0.75	8.00	0.50	8.00	0.50	131.38	8.00	0.50	135.44	40.00	0.25	131.38	26.00
					8.00	0.31	261.83	8.00	0.31	259.44	26.00	0.20	261.83	26.00
4	8.00	0.75	8.00	0.50	8.00	0.50	131.38	8.00	0.50	135.44	40.00	0.25	131.38	26.00
					8.00	0.31	261.50	8.00	0.31	259.31	26.00	0.20	261.50	26.00

NOTES:

1) FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHEET E3 (MARK NUMBER PLAN).
2) FBC___ INDICATES FLANGE BRACING LOCATIONS. FBD___ INDICATES FLANGE BRACING LOCATIONS ON JOIST ROOFS.
3) NS/FS INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME LINE. NOTE FOR EXPANDABLE ENDWALL RIGID FRAMES: IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE ENDFRAME, THE OPPOSITE SIDE FLANGE BRACE WILL HAVE TO BE INSTALLED AT THE TIME OF EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS FUTURE CONDITION.
4) IF NS/FS FLANGE BRACING IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.
5) "*" INDICATES THE LONG SIDE OF THE INTERIOR COLUMNS. IF THE INTERIOR COLUMNS ARE REQUIRED, ORIENT AND ERECT THOSE COLUMNS ACCORDINGLY.

NOTE: COLUMNS LOCATED AT THE RIDGE ARE TYPICALLY "FLAT-TOP" COLUMNS, UNLESS INDICATED BY THE "*" SYMBOL.

6) RIGID FRAMES SHALL HAVE 50% OF THEIR BOLTS INSTALLED AND TIGHTENED ON BOTH SIDES OF THE WEB ADJACENT TO EACH FLANGE BEFORE THE HOISTING EQUIPMENT IS RELEASED.

BOLT SCHEDULE

CON ID	BOLT QTY	BOLT DESCRIPTION	BOLT PART#	NUT PART#
1	8	BOLT/NUT 1 1/4" x 3 1/2" A325	H0180	H0340
2	8	BOLT/NUT 5/8" x 2 1/4" A325	H0610	H0310
3	8	BOLT/NUT 1" x 3 1/4" A325	H0640	H0330

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWW	SR			10/14/10

MUSCO BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

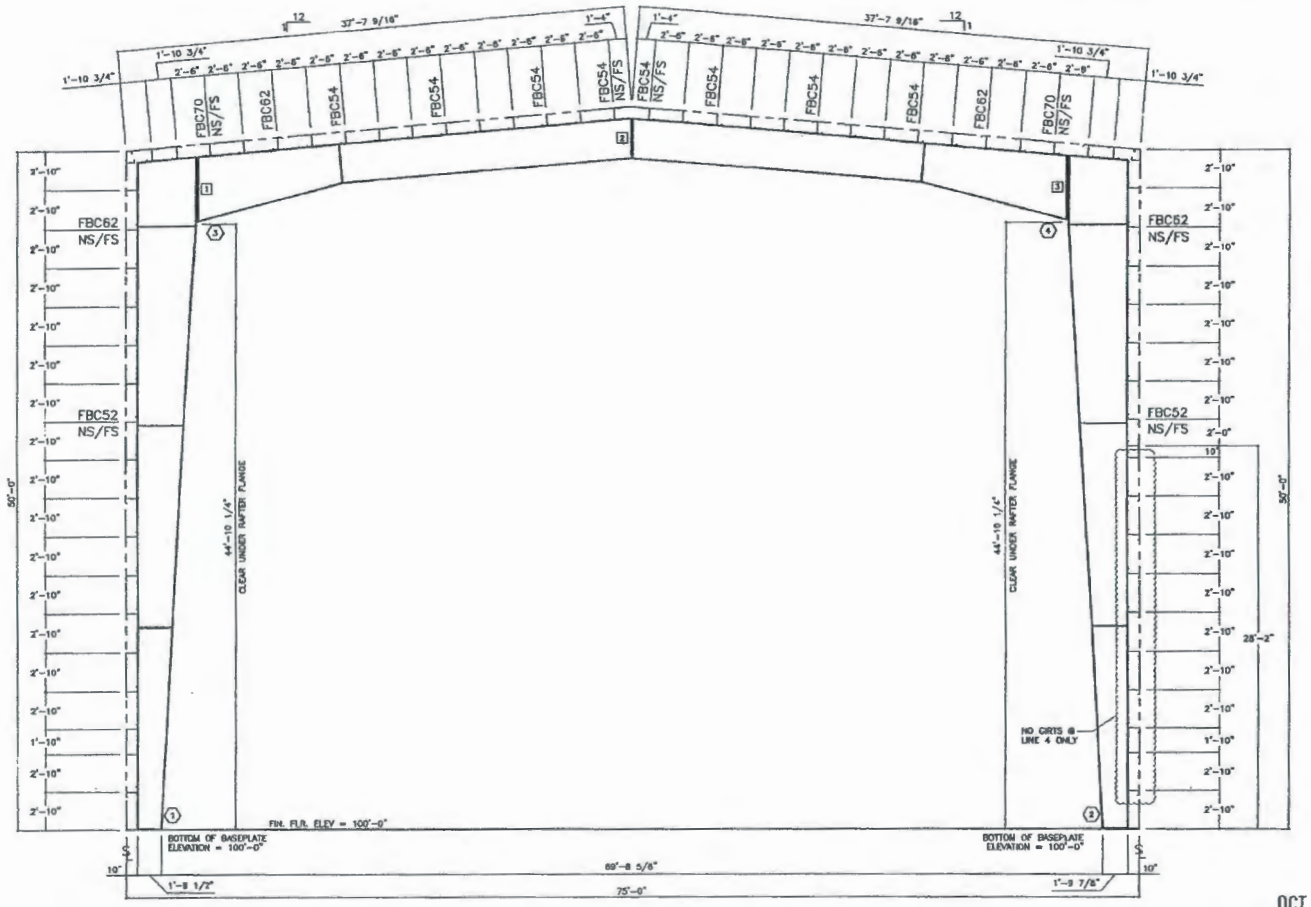
PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E7 of 17

ELTON T. JAMES
REGISTERED PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY MUSCO BUILDING SYSTEMS, A DIVISION OF MUSCO CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF MUSCO BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY MUSCO BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



OCT 14 2010

BLDG. 1
CROSS SECTION @ LINES 3 AND 4

MBR ID	LOW PLATE WIDTH	LOW PLATE THICK	HIGH PLATE WIDTH	HIGH PLATE THICK	OUTSIDE FLANGE WIDTH	OUTSIDE FLANGE THICK	OUTSIDE FLANGE LENGTH	INSIDE FLANGE WIDTH	INSIDE FLANGE THICK	INSIDE FLANGE LENGTH	MEMBER WEB DEPTH1	MEMBER WEB THICK	MEMBER WEB LENGTH	MEMBER WEB DEPTH2
1	12.00	0.75	12.00	1.00	12.00	0.50	589.75	12.00	0.50	355.63	20.50	0.23	178.00	31.00
								12.00	0.38	175.94	31.00	0.23	179.00	41.50
											41.50	0.31	175.63	52.00
											52.00	0.31	56.13	52.00
2	12.00	0.75	12.00	1.00	12.00	0.75	178.00	12.00	0.63	179.31	20.50	0.20	179.00	31.00
					12.00	1.00	178.00	12.00	0.75	179.31	31.00	0.23	179.00	41.50
					12.00	0.75	231.75	12.00	0.63	178.00	41.50	0.31	175.69	52.00
											52.00	0.31	56.13	52.00
3	8.00	1.00	8.00	0.63	8.00	0.50	125.38	8.00	0.50	131.88	56.00	0.31	125.38	34.00
					8.00	0.38	260.88	8.00	0.38	258.00	34.00	0.25	260.88	34.00
4	8.00	1.00	8.00	0.63	8.00	0.50	125.38	8.00	0.50	131.88	56.00	0.31	125.38	34.00
					8.00	0.38	260.63	8.00	0.38	257.75	34.00	0.25	260.63	34.00

NOTES:

1) FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHEET E5 (MARK NUMBER PLAN).
2) FBC___ INDICATES FLANGE BRACING LOCATIONS. FBD___ INDICATES FLANGE BRACING LOCATIONS ON JOIST ROOFS.
3) NS/FS INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME LINE. NOTE FOR EXPANDABLE ENDWALL RIGID FRAMES: IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE ENDFRAME, THE OPPOSITE SIDE FLANGE BRACE WILL HAVE TO BE INSTALLED AT THE TIME OF EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS FUTURE CONDITION.
4) IF NS/FS FLANGE BRACING IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.
5) "*" INDICATES THE LONG SIDE OF THE INTERIOR COLUMNS. IF THE INTERIOR COLUMNS ARE REQUIRED, ORIENT AND ERECT THOSE COLUMNS ACCORDINGLY.

NOTE: COLUMNS LOCATED AT THE RIDGE ARE TYPICALLY "FLAT-TOP" COLUMNS, UNLESS INDICATED BY THE "*" SYMBOL.

6) RIGID FRAMES SHALL HAVE 50% OF THEIR BOLTS INSTALLED AND TIGHTENED ON BOTH SIDES OF THE WEB ADJACENT TO EACH FLANGE BEFORE THE HOISTING EQUIPMENT IS RELEASED.

BOLT SCHEDULE

CON ID	BOLT QTY	BOLT DESCRIPTION	BOLT PART#	NUT PART#
1	8	BOLT/NUT 1 1/4" x 3 1/2" A325	H0680	H0340
2	8	BOLT/NUT 3/4" x 2 3/4" A325	H0630	H0320
3	8	BOLT/NUT 1 1/4" x 3 1/2" A325	H0680	H0340

ISSUE	DWN	CHK	ENGR	P.E.	DATE
PERMIT DRAWINGS	DWW	SR			10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKWELL, SC

JOB NUMBER: T10X0410A

SHEET NO: E8 of 17

FALLON T. YAGER
PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

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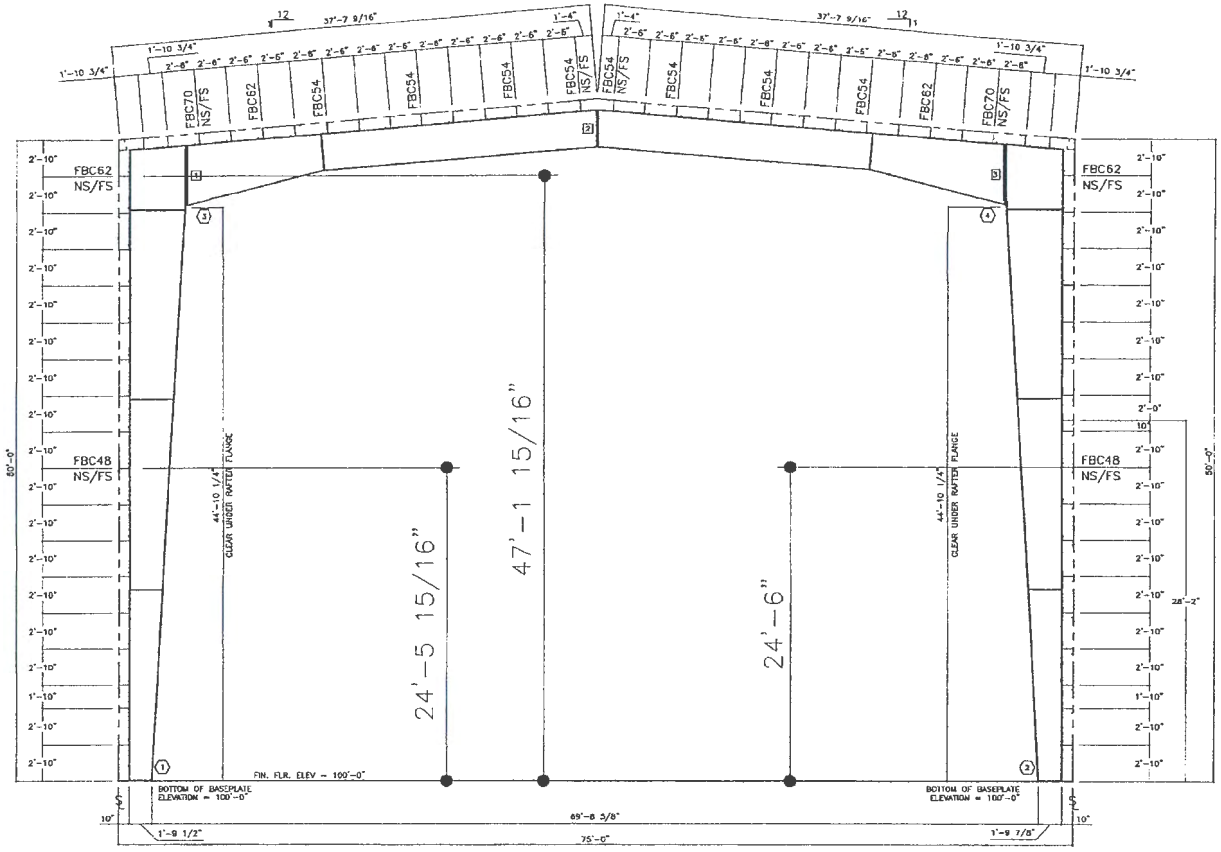


BLDG. 1
CROSS SECTION @ LINES 4.9 AND 6

OCT 14 2010

MBR ID	LOW PLATE WIDTH	LOW PLATE THICK	HIGH PLATE WIDTH	HIGH PLATE THICK	OUTSIDE FLANGE WIDTH	OUTSIDE FLANGE THICK	OUTSIDE FLANGE LENGTH	INSIDE FLANGE WIDTH	INSIDE FLANGE THICK	INSIDE FLANGE LENGTH	MEMBER WEB DEPTH1	MEMBER WEB THICK	MEMBER WEB LENGTH	MEMBER WEB DEPTH2
1	12.00	0.75	12.00	1.00	12.00	0.50	589.75	12.00	0.50	358.63	20.50	0.22	178.00	31.00
								12.00	0.38	175.94	31.00	0.22	179.00	41.50
											41.50	0.31	175.63	52.00
											52.00	0.31	56.13	52.00
2	12.00	0.75	12.00	1.00	12.00	0.50	589.75	12.00	0.50	358.63	20.50	0.22	178.00	31.00
								12.00	0.38	175.94	31.00	0.22	179.00	41.50
											41.50	0.31	175.63	52.00
											52.00	0.31	56.13	52.00
3	8.00	1.00	8.00	0.63	8.00	0.50	125.38	8.00	0.50	131.88	58.00	0.31	125.38	34.00
					8.00	0.38	260.88	8.00	0.38	258.00	34.00	0.25	260.88	34.00
4	8.00	1.00	8.00	0.63	8.00	0.50	125.38	8.00	0.50	131.88	58.00	0.31	125.38	34.00
					8.00	0.38	260.88	8.00	0.38	258.00	34.00	0.25	260.88	34.00

NOTES:

1) FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHEET E5 (MARK NUMBER PLAN).
2) FBC___ INDICATES FLANGE BRACING LOCATIONS. FBD___ INDICATES FLANGE BRACING LOCATIONS ON JOIST ROOFS.
3) NS/FS INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME LINE. NOTE FOR EXPANDABLE ENDWALL RIGID FRAMES: IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE ENOFRAME, THE OPPOSITE SIDE FLANGE BRACE WILL HAVE TO BE INSTALLED AT THE TIME OF EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS FUTURE CONDITION.
4) IF NS/FS FLANGE BRACING IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.
5) "*" INDICATES THE LONG SIDE OF THE INTERIOR COLUMNS. IF THE INTERIOR COLUMNS ARE REQUIRED, ORIENT AND ERECT THOSE COLUMNS ACCORDINGLY.

NOTE: COLUMNS LOCATED AT THE RIDGE ARE TYPICALLY "FLAT-TOP" COLUMNS, UNLESS INDICATED BY THE "*" SYMBOL.

6) RIGID FRAMES SHALL HAVE 50% OF THEIR BOLTS INSTALLED AND TIGHTENED ON BOTH SIDES OF THE WEB ADJACENT TO EACH FLANGE BEFORE THE HOISTING EQUIPMENT IS RELEASED.

BOLT SCHEDULE

CON ID	BOLT QTY	BOLT DESCRIPTION	BOLT PART#	NUT PART#
1	8	BOLT/NUT 1 1/4" x 3 1/2" A325	H0680	H0340
2	8	BOLT/NUT 3/4" x 2 3/4" A325	H0630	H0320
3	8	BOLT/NUT 1 1/4" x 3 1/2" A325	H0680	H0340

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWN	SR			10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

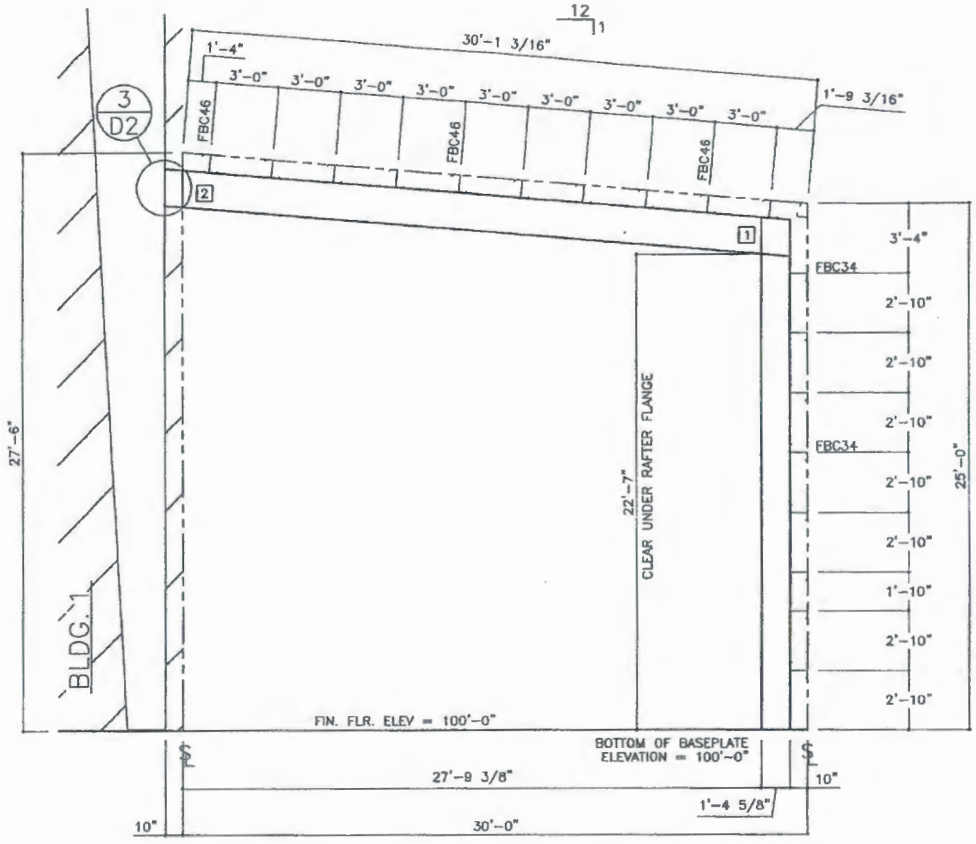
PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS, MS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E9 of 17

FRANK ON T. YAGER
REGISTERED PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE META BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



G

BLDG. 2
CROSS SECTION @ LINES 3 AND 4.9

J

OCT 14 2010

MBR ID	LOW PLATE WIDTH	LOW PLATE THICK	HIGH PLATE WIDTH	HIGH PLATE THICK	OUTSIDE FLANGE WIDTH	OUTSIDE FLANGE THICK	OUTSIDE FLANGE LENGTH	INSIDE FLANGE WIDTH	INSIDE FLANGE THICK	INSIDE FLANGE LENGTH	MEMBER WEB DEPTH1	MEMBER WEB THICK	MEMBER WEB LENGTH	MEMBER WEB DEPTH2
1	8.00	0.38	8.00	0.00	8.00	0.31	0.00	8.00	0.31	0.00	16.00	0.15	0.00	16.00
2	8.00	0.38	8.00	0.63	8.00	0.38	0.00	8.00	0.38	0.00	20.00	0.18	0.00	20.00

NOTES:

1) FOR COLUMN AND RAFTER MARK NUMBERS, SEE SHEET E6 (MARK NUMBER PLAN).
2) FBC___ INDICATES FLANGE BRACING LOCATIONS. FBD___ INDICATES FLANGE BRACING LOCATIONS ON JOIST ROOFS.
3) NS/FS INDICATES THAT FLANGE BRACING IS REQUIRED ON BOTH SIDES OF THE FRAME LINE. NOTE FOR EXPANDABLE ENDWALL RIGID FRAMES: IF FLANGE BRACING IS REQUIRED ON BOTH SIDES OF AN EXPANDABLE ENDFRAME, THE OPPOSITE SIDE FLANGE BRACE WILL HAVE TO BE INSTALLED AT THE TIME OF EXPANSION. THESE FLANGE BRACES HAVE BEEN PROVIDED, AS REQUIRED, FOR THIS FUTURE CONDITION.
4) IF NS/FS FLANGE BRACING IS NOT INDICATED, ONLY ONE FLANGE BRACE IS REQUIRED AND CAN BE LOCATED ON EITHER SIDE OF THE FRAME.
5) "*" INDICATES THE LONG SIDE OF THE INTERIOR COLUMNS. IF THE INTERIOR COLUMNS ARE REQUIRED, ORIENT AND ERECT THOSE COLUMNS ACCORDINGLY.

NOTE: COLUMNS LOCATED AT THE RIDGE ARE TYPICALLY "FLAT-TOP" COLUMNS, UNLESS INDICATED BY THE "*" SYMBOL.

6) RIGID FRAMES SHALL HAVE 50% OF THEIR BOLTS INSTALLED AND TIGHTENED ON BOTH SIDES OF THE WEB ADJACENT TO EACH FLANGE BEFORE THE HOISTING EQUIPMENT IS RELEASED.

BOLT SCHEDULE

CON ID	BOLT QTY	BOLT DESCRIPTION	BOLT PART#	NUT PART#
1	4	BOLT/NUT 3/4" x 2 3/4" A325	H0630	H0320
2	4	BOLT/NUT 3/4" x 2 3/4" A325	H0630	H0320

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWW	SR	DCC		10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

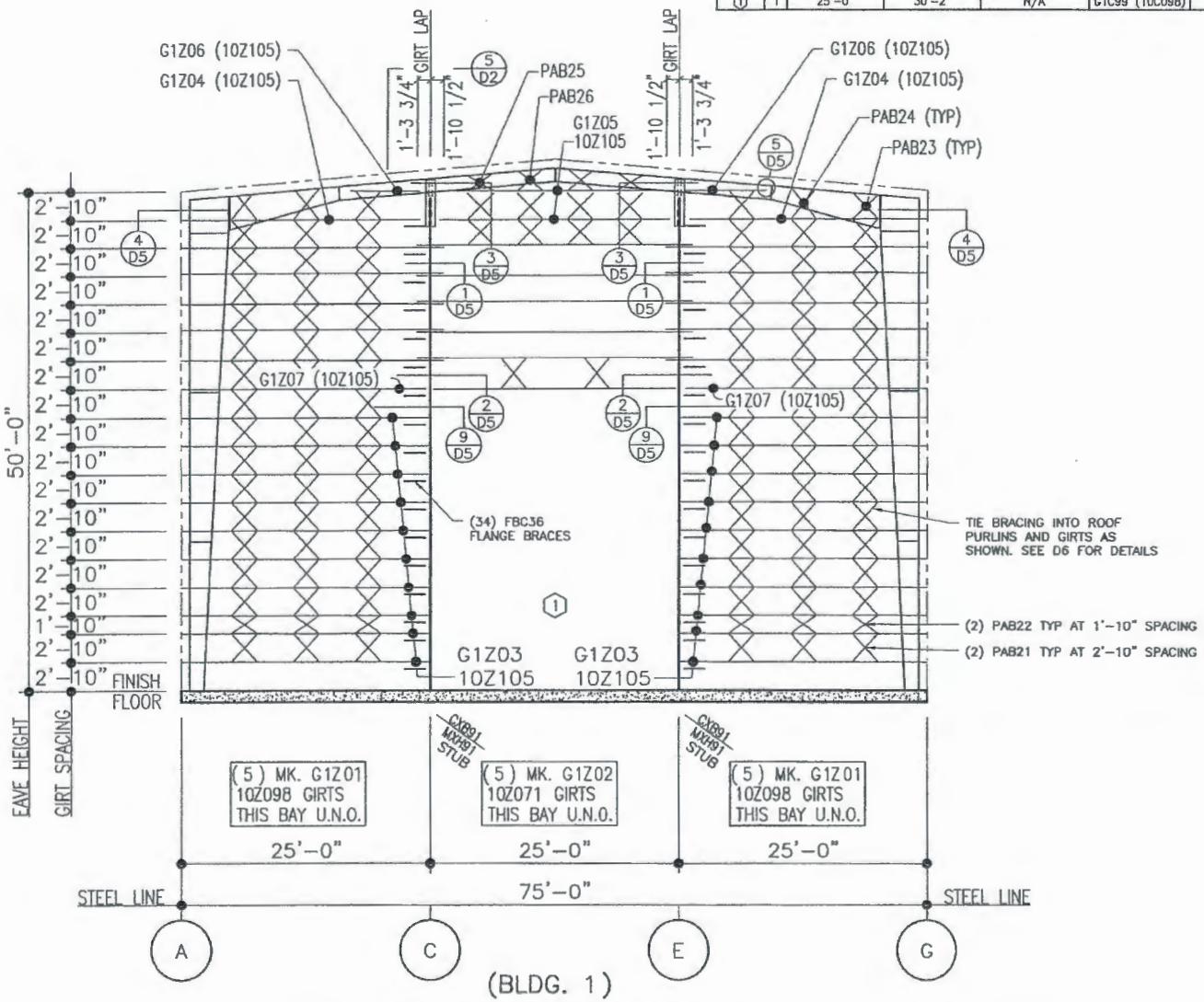
SHEET NO: E10 of 17

WILLIAM T. WOOD
LICENSED PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.

FRAMED OPENING SCHEDULE

I.D. NUMBER	QTY	SIZE WIDTH	SIZE HEIGHT	MARK NUMBER / MATERIAL JAMB	HEADER	SILL	WINDOW/LOUVER SILL HEIGHT	TYPE
(1)	1	25'-0"	30'-2"	N/A	G1C99 (10C098)	N/A	N/A	OPENING



(BLDG. 1)

ENDWALL ELEVATION AT LINE 1

OCT 14 2010

ISSUE	DWN	CHK	ESC	P.E.	DATE
PERMIT DRAWINGS	DWW	SR			10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E11 of 17

RAMON T. YAGER REGISTERED PROFESSIONAL ENGINEER 18072 STATE OF MISSISSIPPI 10/14/10

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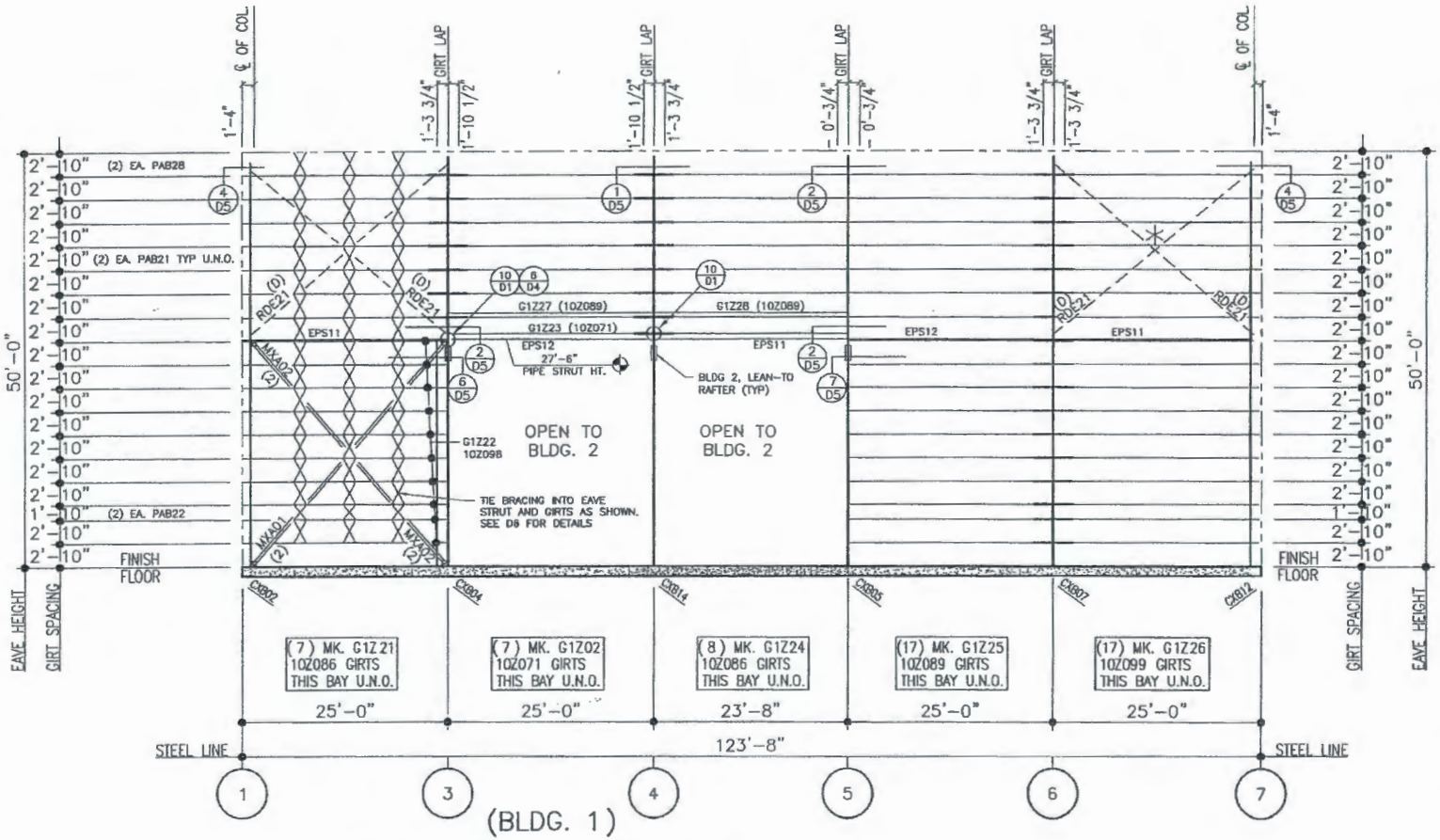

(BLDG. 1)

SIDEWALL ELEVATION AT LINE G

1) RDE___ INDICATES 1" DIA ROD BRACING. SEE SHEET D1 FOR DETAIL.
2) MXA___ INDICATES 4"x4"x3/8" ANGLE BRACING. SEE SHEET D4 FOR DETAIL.
3) EPS___ INDICATES (8 5/8" X .148) PIPE STRUT.
4) (2) OR (D) INDICATES "DOUBLED" BRACING
5) G1Z27 AND G1Z28 TO BE FIELD CUT AND DRILLED AS NEEDED FOR HIGH EAVE TRIM. SEE DETAIL 8/D5 FOR FIELD PREP LOCATIONS AND HEIGHTS.

✳ BRACING FROM BAY 3 RELOCATED TO BAY 5.

OCT 14 2010

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWN SR				10/14/10

MUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E12 of 17

FELLON T. YAGER
LICENSED PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

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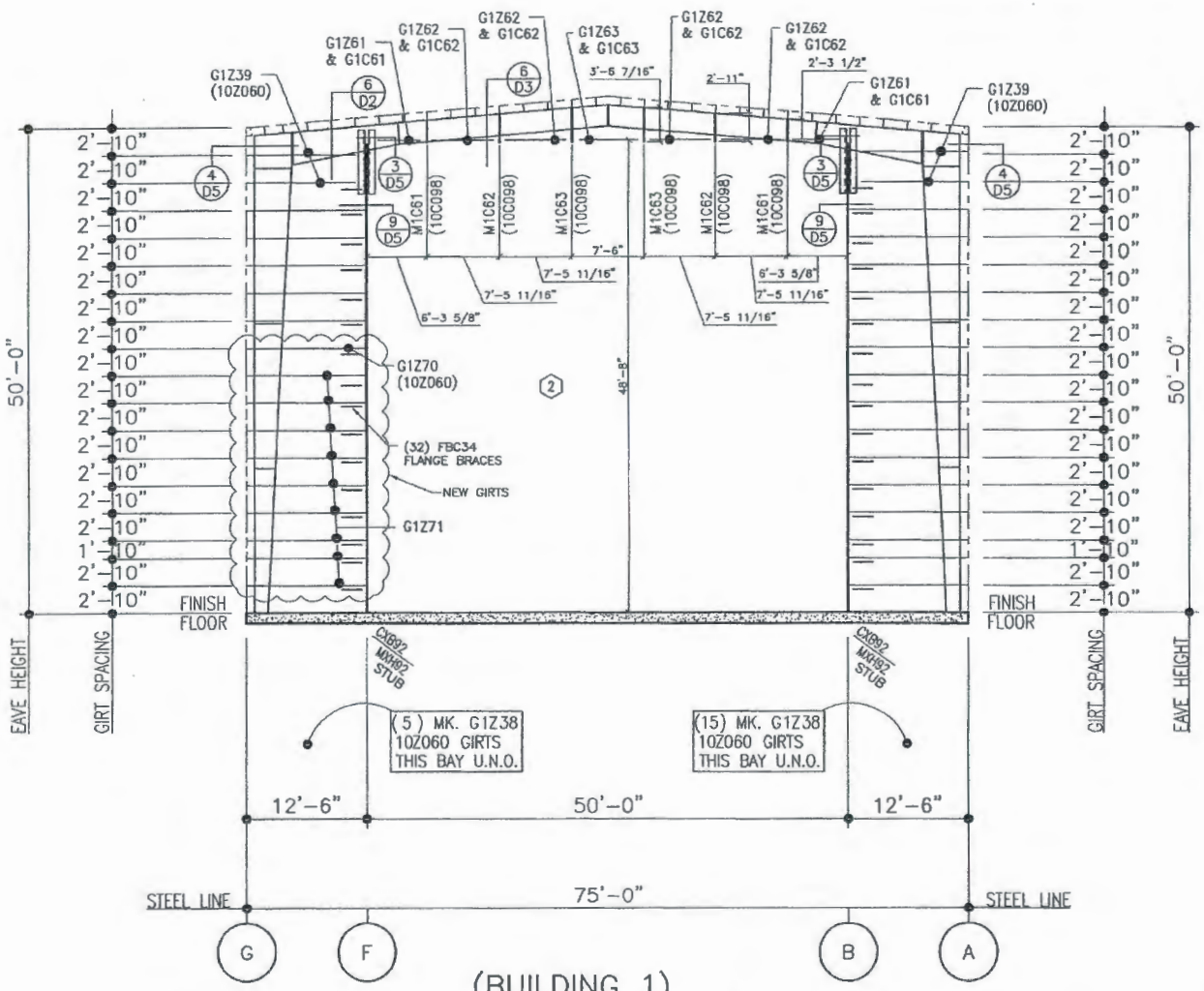
FRAMED OPENING SCHEDULE

I.D. NUMBER	QTY	SIZE WIDTH	SIZE HEIGHT	MARK NUMBER / MATERIAL JAMB	HEADER	SILL	WINDOW/LOUVER SILL HEIGHT	TYPE
2	1	50'-0"	48'-4"	N/A	SEE ELEVATION	N/A	N/A	OPENING



(BUILDING 1)
ENDWALL ELEVATION AT LINE 7

ALL SECONDARY RELOCATED FROM ORIGINAL ENDWALL U.N.O.

OCT 14 2010

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWW	SR			10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E13 of 17

FALLON T. YAGER
REGISTERED PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

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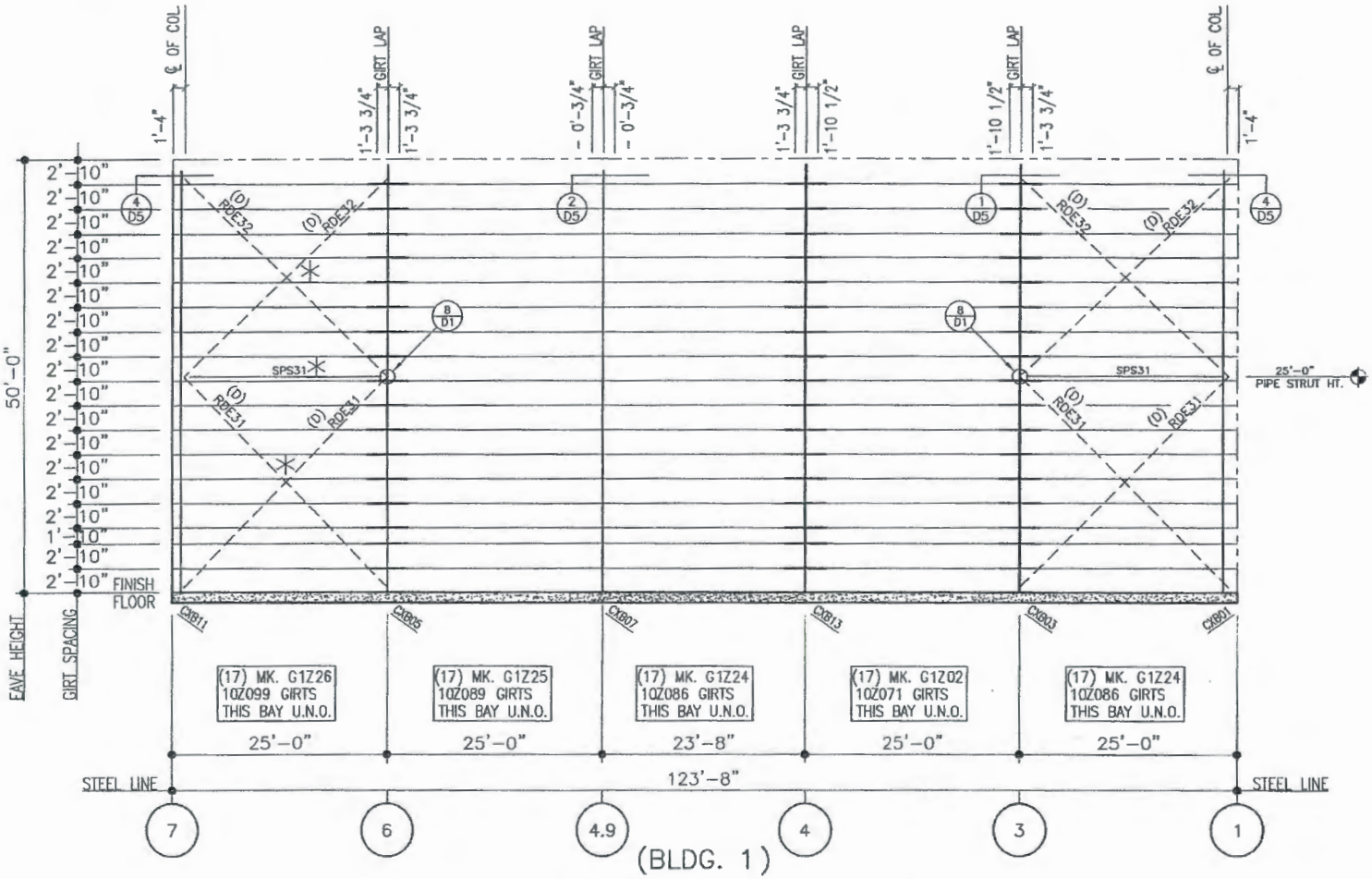

(BLDG. 1)

SIDEWALL ELEVATION AT LINE A

1) RDE___ INDICATES 1 " DIA ROD BRACING. SEE SHEET D1 FOR DETAIL.
2) SPS___ INDICATES (6 5/8" X .134) PIPE STRUT.
3) (D) INDICATES "DOUBLE RODS"
✳ BRACING FROM BAY 3 RELOCATED TO BAY 5.

OCT 14 2010

ISSUE	DWN	CHK	DWG	P.E.	DATE
PERMIT DRAWINGS	DWW	SR			10/14/10

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PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E14 of 17

FALON T. YAGER PROFESSIONAL ENGINEER 10/14/10 18072 STATE OF MISSISSIPPI

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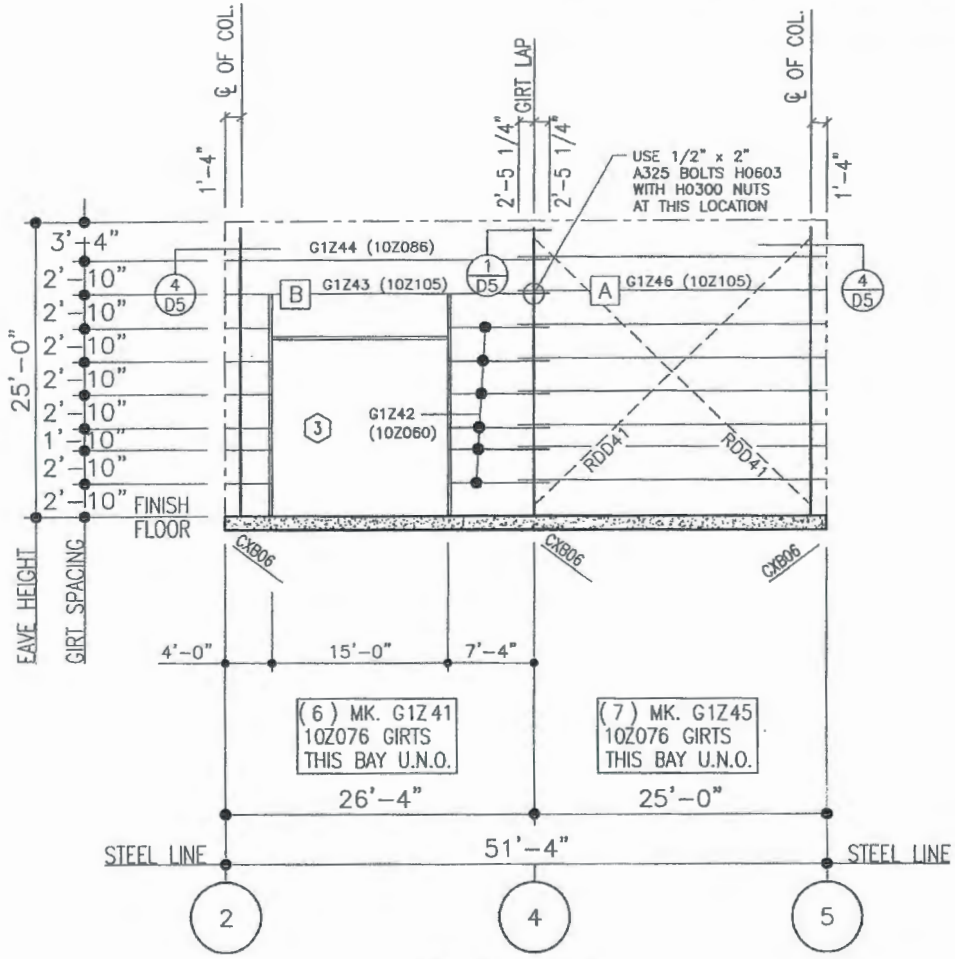
NESTED GIRT SCHEDULE

I.D. LETTER	SIZE	FOR DETAIL SEE--
A	G1Z47 (10Z105)	10/D5
B	G1Z48 (10Z105)	10/D5

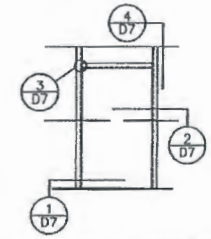
FRAMED OPENING SCHEDULE

I.D. NUMBER	QTY	SIZE WIDTH	SIZE HEIGHT	MARK NUMBER / MATERIAL JAMB	HEADER	SILL	WINDOW/LOUVER SILL HEIGHT	TYPE
3	1	15'-0"	15'-0"	MXH01 (C10x15.3)	H1C01 (10CD60)	N/A	N/A	ROLL UP



(BLDG. 2)

SIDEWALL ELEVATION AT LINE J



TYPICAL FRAMED OPENING U.N.O.

OCT 14 2010

1) RDD__ INDICATES 7/8" DIA ROD BRACING. SEE SHEET D1 FOR DETAIL.

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWW	SR			10/14/10

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PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E15 of 17

FALON T. YAGER PROFESSIONAL ENGINEER 10/14/10 18072 STATE OF MISSISSIPPI

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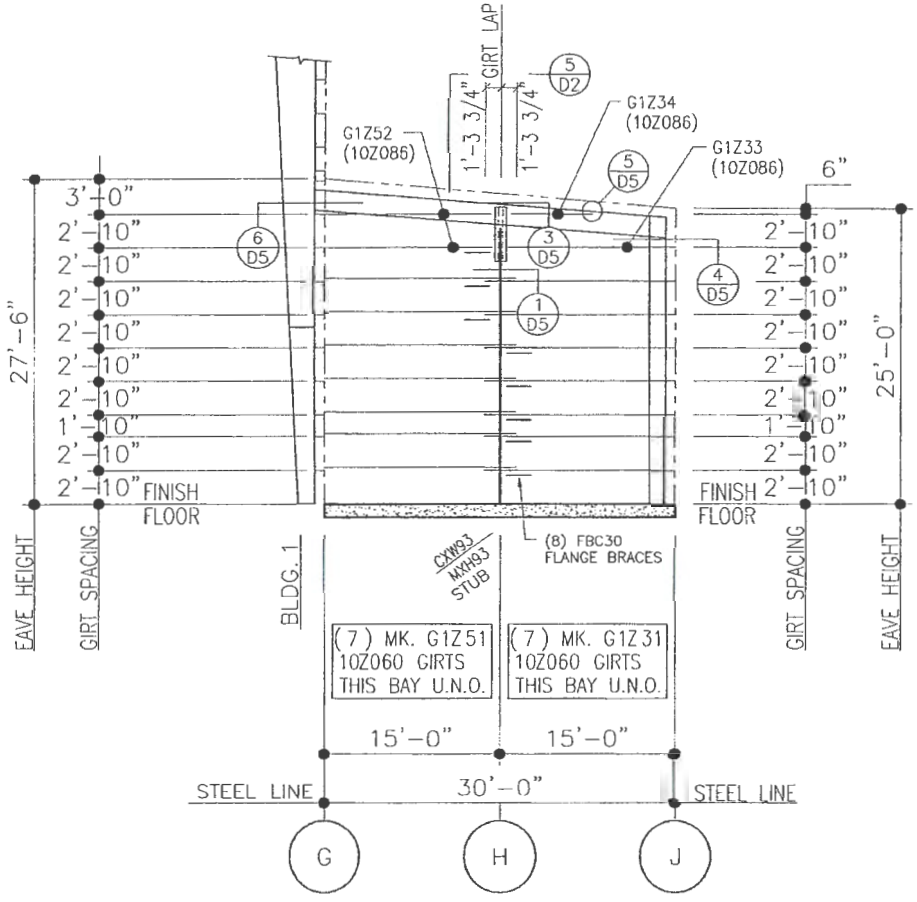

(BLDG. 2)

ENDWALL ELEVATION AT LINE 2

OCT 14 2010

DATE	P.E.	DWG	CHK	DRN	ISSUE
10/14/10			SR	DWW	PERMIT DRAWINGS

NUCOR BUILDING SYSTEMS GROUP
500 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E16 of 17

PHILON T. YARBROUGH
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10/14/10
18072
STATE OF MISSISSIPPI

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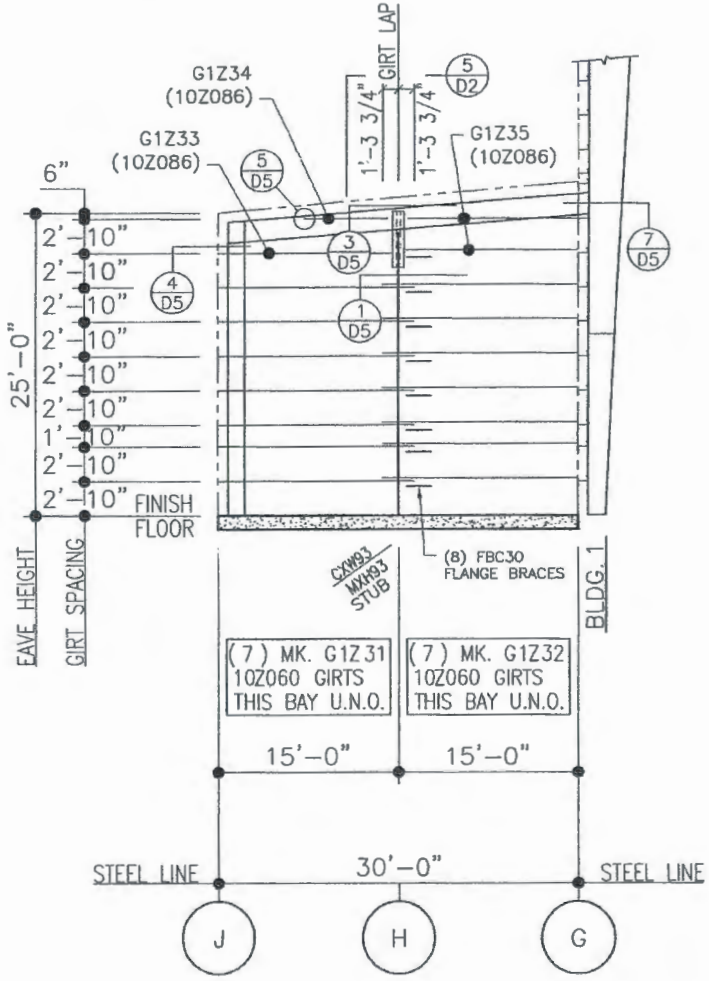

(BUILDING 2)
ENDWALL ELEVATION AT LINE 5

1) G1Z32 AND G1Z35 TO BE FIELD CUT AND DRILLED FOR NEW CONNECTION. SEE DETAIL 7/D5 FOR HOLE LOCATIONS.

OCT 14 2010

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWN	SR			10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
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PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEAN SPRINGS
OCEAN SPRINGS, MS

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: E17 of 17

FALON T. YAGER PROFESSIONAL ENGINEER 10/14/10 18072 STATE OF MISSISSIPPI

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TYPICAL FIELD WELD REQUIREMENTS ERECTOR NOTE:

(UNLESS NOTED OTHERWISE ON DRAWINGS)

ALL FIELD WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS INDICATED. ALL WORK MUST BE COMPLETED AND INSPECTED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATIONS. WELD ELECTRODES USED FOR THE SMAW (OR STICK) WELD PROCESS MUST BE 70 KSI STEEL AND LOW HYDROGEN CONTENT.

GALVANIZED STEEL FIELD WELDING RECOMMENDATIONS

PREPARATION OF WELD AREA

AWS D-19.0, WELDING ZINC COATED STEEL, CALLS FOR WELDS TO BE MADE ON STEEL THAT IS FREE OF ZINC IN THE AREA TO BE WELDED. FOR GALVANIZED STRUCTURAL COMPONENTS, THE ZINC COATING SHOULD BE REMOVED AT LEAST ONE TO FOUR INCHES (2.5-10 CM) FROM EITHER SIDE OF THE INTENDED WELD ZONE AND ON BOTH SIDES OF THE WORKPIECE. GRINDING BACK THE ZINC COATING IS THE PREFERRED AND MOST COMMON METHOD; BURNING THE ZINC AWAY OR PUSHING BACK THE MOLTEN ZINC FROM THE WELD AREA ALSO ARE EFFECTIVE.

TOUCH-UP OF WELD AREA

WELDING ON GALVANIZED SURFACES DESTROYS THE ZINC COATING ON AND AROUND THE WELD AREA. RESTORATION OF THE AREA WILL BE PERFORMED IN ACCORDANCE WITH ASTM A 780, STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS, WHICH SPECIFIES THE USE OF PAINTS CONTAINING ZINC DUST, ZINC-BASED SOLDERS OR SPRAYED ZINC. ALL TOUCHUP AND REPAIR METHODS ARE CAPABLE OF BUILDING A PROTECTIVE LAYER TO THE THICKNESS REQUIRED BY ASTM A 780.

SAFETY & HEALTH

WHEN WELDING DIRECTLY ON GALVANIZED STEEL IS UNAVOIDABLE, OSHA PERMISSIBLE EXPOSURE LIMITS (PELS) MAY BE EXCEEDED AND EVERY PRECAUTION, INCLUDING HIGH-VELOCITY CIRCULATING FANS WITH FILTERS, AIR RESPIRATORS AND FUME-EXTRACTION SYSTEMS SUGGESTED BY AWS, SHOULD BE EMPLOYED. FUMES FROM WELDING GALVANIZED STEEL CAN CONTAIN ZINC, IRON AND LEAD. FUME COMPOSITION TYPICALLY DEPENDS ON THE COMPOSITION OF MATERIALS USED, AS WELL AS THE HEAT APPLIED BY THE PARTICULAR WELDING PROCESS. IN ANY EVENT, GOOD VENTILATION MINIMIZES THE AMOUNT OF EXPOSURE TO FUMES.

PRIOR TO WELDING ON ANY METAL, CONSULT ANSI/ASC Z-49.1, SAFETY IN WELDING, CUTTING AND ALLIED PROCESSES, WHICH CONTAINS INFORMATION ON THE PROTECTION OF PERSONNEL AND THE GENERAL AREA, VENTILATION AND FIRE PREVENTION.

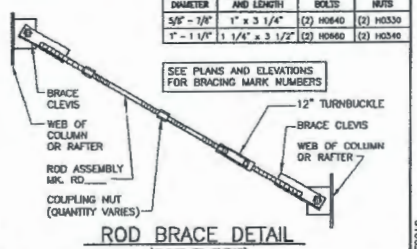
AQ0002

INFORMATION COURTESY OF AMERICAN GALVANIZERS ASSOCIATION

ROD DIAMETERS	MARK NUMBERS	TURNBUCKLES	COUPLING NUTS	BRACE CLEVIS (AT TURNBUCKLE)	BRACE CLEVIS (AT COUPLING NUT)
5/8"	RDB ___	(1) H0710	(1) H0810	(1) BCS02	(1) BCS07
3/4"	RDC ___	(1) H0720	(1) H0820	(1) BCS03	(1) BCS08
7/8"	RDD ___	(1) H0730	(1) H0830	(1) BCS04	(1) BCS09
1"	RDE ___	(1) H0740	(1) H0840	(1) BCL05	(1) BCL06
1 1/8"	RDF ___	(1) H0750	(1) H0850	(1) BCL01	(1) BCL03
1 1/4"	RDG ___	(1) H0760	(1) H0860	(1) BCL02	(1) BCL04

BRACE CLEVIS BOLT AND NUT PART NUMBERS

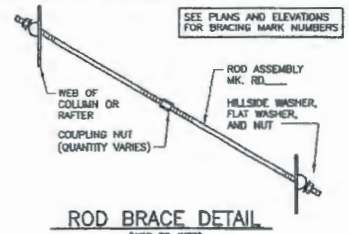
ROD DIAMETER	BOLT DIAMETER AND LENGTH	A325 BOLTS	A325 NUTS
5/8" - 7/8"	1" x 3 1/4"	(2) H0640	(2) H0330
1" - 1 1/4"	1 1/4" x 3 1/2"	(2) H0660	(2) H0340



AF0030

ROD BRACE DETAIL
(CLEVIS TO CLEVIS)

ROD DIAMETER	MARK NUMBER	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	COUPLING NUTS
5/8" ø	RDB ___	(2) H0930	(2) H0210	(2) H0310	H0810
3/4" ø	RDC ___	(2) H0930	(2) H0220	(2) H0320	H0820
7/8" ø	RDD ___	(2) H0930	(2) H0230	(2) H0430	H0830
1" ø	RDE ___	(2) H0960	(2) H0240	(2) H0330	H0840
1 1/8" ø	RDF ___	(2) H0960	(2) H0250	(2) H0450	H0850
1 1/4" ø	RDG ___	(2) H0960	(2) H0260	(2) H0340	H0860



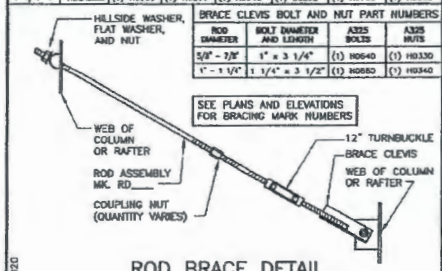
AF0010

ROD BRACE DETAIL
(WEB TO WEB)

ROD DIAMETERS	MARK NUMBERS	HILLSIDE WASHERS	FLAT WASHERS	A307/A325 NUTS	BRACE CLEVISES	TURN-BUCKLES	COUPLING NUTS
5/8" ø	RDB ___	(1) H0930	(1) H0210	(1) H0310	(1) BCS02	(1) H0710	(1) H0810
3/4" ø	RDC ___	(1) H0930	(1) H0220	(1) H0320	(1) BCS03	(1) H0720	(1) H0820
7/8" ø	RDD ___	(1) H0930	(1) H0230	(1) H0430	(1) BCS04	(1) H0730	(1) H0830
1" ø	RDE ___	(1) H0960	(1) H0240	(1) H0330	(1) BCL05	(1) H0740	(1) H0840
1 1/8" ø	RDF ___	(1) H0960	(1) H0250	(1) H0450	(1) BCL01	(1) H0750	(1) H0850
1 1/4" ø	RDG ___	(1) H0960	(1) H0260	(1) H0340	(1) BCL02	(1) H0760	(1) H0860

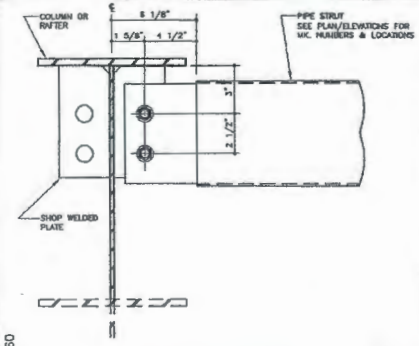
BRACE CLEVIS BOLT AND NUT PART NUMBERS

ROD DIAMETER	BOLT DIAMETER AND LENGTH	A325 BOLTS	A325 NUTS
5/8" - 7/8"	1" x 3 1/4"	(1) H0640	(1) H0330
1" - 1 1/4"	1 1/4" x 3 1/2"	(1) H0660	(1) H0340



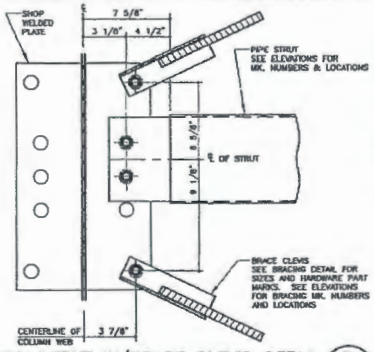
AF0020

ROD BRACE DETAIL
(CLEVIS TO WEB)



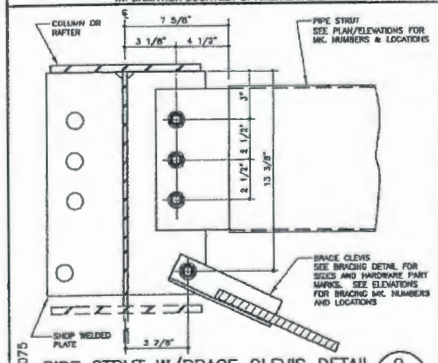
AK0060

PIPE STRUT DETAIL (7 / D1)
6" PIPE STRUT AT 8" (MIN.) COLUMN OR RAFTER
NOTE: USE (2) 1" X 3 1/4" A325 BOLTS H0640/NUTS H0330



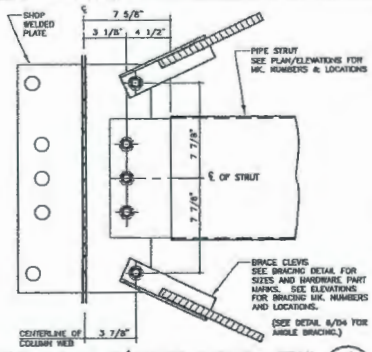
AK0066

PIPE STRUT W/BRACE CLEVIS DETAIL (8 / D1)
TIERED CLEVIS BRACING AT 8" PIPE STRUT LOCATION
NOTE: ON PIPE STRUT USE (2) 1" X 3 1/4" A325 BOLTS H0640/NUTS H0330



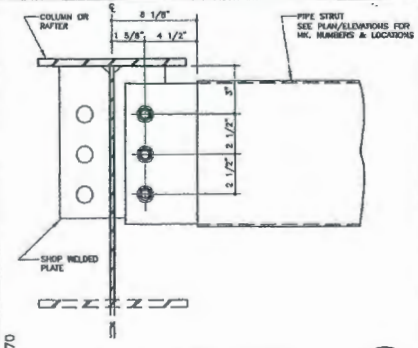
AK0075

PIPE STRUT W/BRACE CLEVIS DETAIL (9 / D1)
8" PIPE STRUT W/BRACE CLEVIS AT 20" (MIN.) COLUMN OR RAFTER
NOTE: ON PIPE STRUT USE (3) 1" X 3 1/4" A325 BOLTS H0640/NUTS H0330



AK0076

PIPE STRUT W/BRACE CLEVIS DETAIL (10 / D1)
TIERED CLEVIS BRACING AT 8" PIPE STRUT LOCATION
NOTE: ON PIPE STRUT USE (3) 1" X 3 1/4" A325 BOLTS H0640/NUTS H0330



AK0070

PIPE STRUT DETAIL (11 / D1)
6" PIPE STRUT AT 10" (MIN.) COLUMN OR RAFTER
NOTE: USE (3) 1" X 3 1/4" A325 BOLTS H0640/NUTS H0330

OCT 14 2010

ISSUE	DWN	CHK	ENG	SR	P.E.	DATE
PERMIT DRAWINGS	DWN					10/14/10

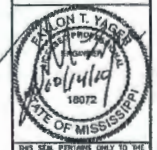
NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEANS SPRINGS
OCEAN SPRINGS, MS

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: D1 of 7



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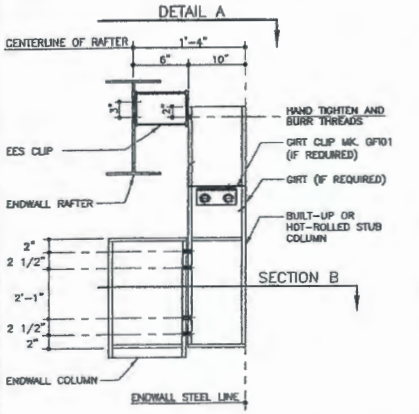
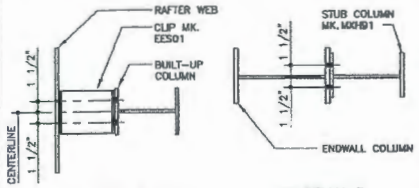




DETAIL A

USE (6) 3/4"ø x 2 3/4" A325 BOLTS (MK.H0630) AND NUTS (MK.H0320)

NOTE: RAFTER FLANGE NOT SHOWN FOR CLARITY

SECTION B

USE (8) 3/4"ø x 2 3/4" A325 BOLTS (MK.H0630) AND NUTS (MK.H0320)

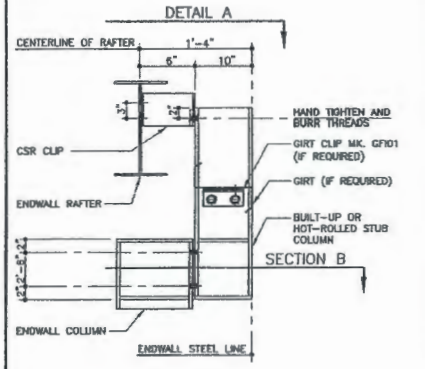
A00141

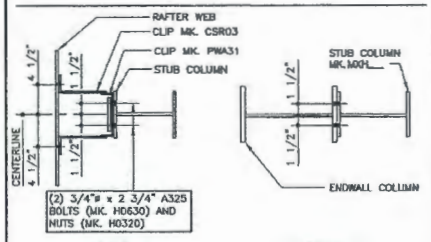
ENDWALL COLUMN TO EXPANDABLE ENDWALL RAFTER CONNECTION

5 / D2

BU OR HR COLUMN AT 8" BYPASS GIRTS

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS





(2) 3/4"ø x 2 3/4" A325 BOLTS (MK. H0630) AND NUTS (MK. H0320)

DETAIL A

USE (4) 1/2"ø x 2" A325 BOLTS (MK. H0603) AND NUTS (MK. H0300) U.N.O.

NOTE: RAFTER FLANGE NOT SHOWN FOR CLARITY

SECTION B

(2) 3/4"ø x 2 3/4" A325 BOLTS (MK. H0630) AND NUTS (MK. H0320)

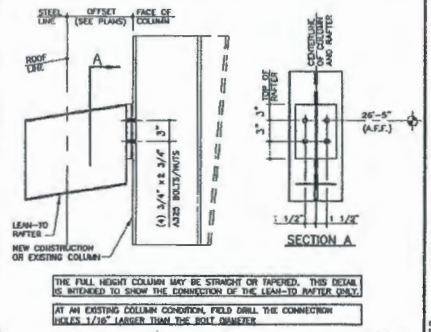
A00140

ENDWALL COLUMN TO EXPANDABLE ENDWALL RAFTER CONNECTION

6 / D2

BU OR HR COLUMN AT 8" BYPASS GIRTS

REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



THE FULL HEIGHT COLUMN MAY BE STRAIGHT OR TAPERED. THIS DETAIL IS INTENDED TO SHOW THE CONNECTION OF THE LEAN-TO RAFTER ONLY.

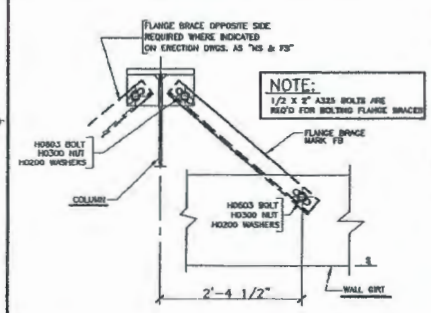
AT AN EXISTING COLUMN CONDITION, FIELD DRILL THE CONNECTION HOLES 1/16" LARGER THAN THE BOLT DIAMETER

A00025

LEAN-TO RAFTER TO COLUMN

BELOW EAVE

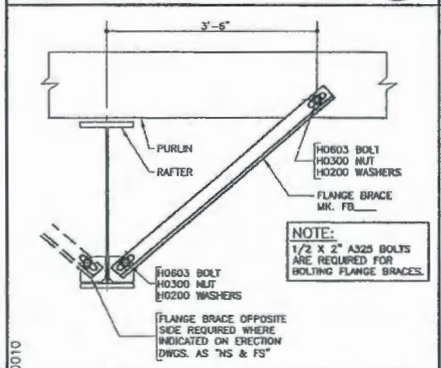
3 / D2



A00030

TYP FLANGE BRACE @ BU COL & GIRT

NOTE: SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS



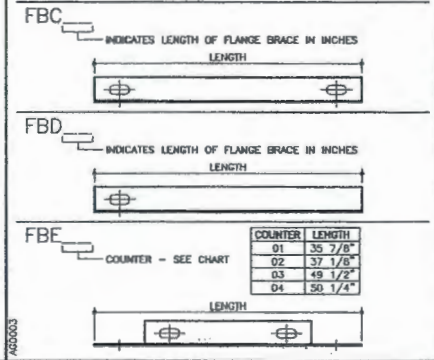
A00010

TYPICAL FLANGE BRACE AT PURLIN & RAFTER

SEE PLANS AND ELEVATIONS FOR FLANGE BRACE PART MARKS

TYPICAL FLANGE BRACE MARK NUMBERS

ACTUAL FLANGE BRACES DO NOT HAVE MARK NUMBERS ON THEM

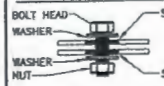


COUNTER	LENGTH
01	35 7/8"
02	37 1/8"
03	49 1/2"
04	50 1/4"

A00003

TYPICAL WASHER REQUIREMENTS ERECTOR NOTE

(UNLESS NOTED OTHERWISE ON DRAWINGS)

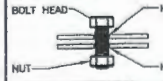


SLOT TO SLOT CONNECTIONS

WASHERS ARE REQUIRED ON BOTH SIDES OF MATERIAL IF SLOTS ARE USED ON BOTH SIDES. (SEE DETAIL AT RIGHT FOR LAPPED ZEE MEMBERS)

SLOT TO HOLE CONNECTIONS

ONE WASHER REQUIRED ON SLOTTED SIDE ONLY.



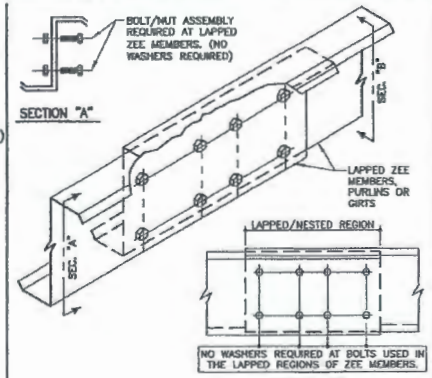
HOLE TO HOLE CONNECTIONS

NO WASHERS ARE REQUIRED WHEN SLOTS ARE NOT USED.

WASHER PART NUMBERS

H0200 – 1/2" FLAT WASHER	H0240 – 1" FLAT WASHER
H0210 – 5/8" FLAT WASHER	H0250 – 1 1/8" FLAT WASHER
H0220 – 3/4" FLAT WASHER	H0260 – 1 1/4" FLAT WASHER
H0230 – 7/8" FLAT WASHER	

A00001



OCT 14 2010

ISSUE	DWN	DWN	CHK	DSG	SR	P.E.	DATE
PERMIT DRAWINGS							10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEANS SPRINGS

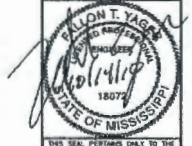
OCEAN SPRINGS, MS

CUSTOMER: AUGUSTA FIBERGLASS

BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: D2 of 7



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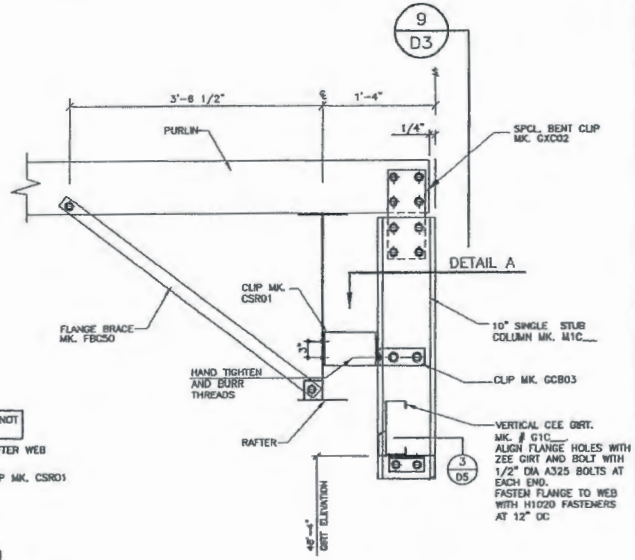
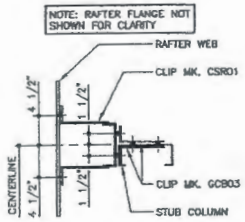


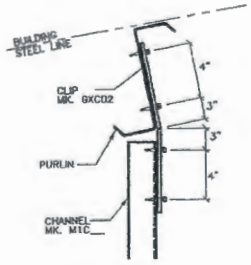


DETAIL A

USE (8) 1/2"ø x 2" A325
BOLTS (MK. H0603) AND
NUTS (MK. H0300)

HANGING E.W. COLUMN DETAIL (6 / D3)

NOTE: USE 1/2" X 2" A325 BOLTS H0603/NUTS H0300
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



HANGING CEE TO PURLIN DETAIL (9 / D3)

NOTE: USE (8) 1/2"x 2" A325 BOLTS H0603/NUTS H0300
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

OCT 14 2010

ISSUE	DWN	CHK	DSG	P.E.	DATE
PERMIT DRAWINGS	DWN	SR			10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX.: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEANS SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: D3 of 7

RAMON T. VAGEL
ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

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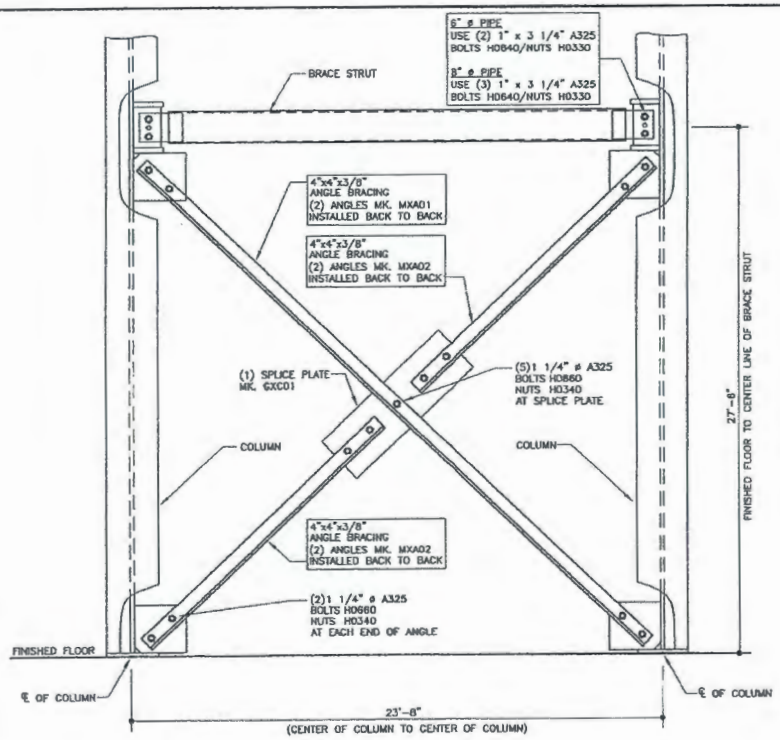

AL0025

DOUBLE ANGLE BRACE DETAIL

6
D4

SEE ELEVATIONS FOR ANGLE MARK NUMBERS IF NOT SHOWN IN DETAIL

OCT 14 2010

ISSUE	DWN	CHK	DSG	P.E.	DATE
FOR/WT. DRAWINGS	DWN.	SR.			10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEANS SPRINGS
OCEAN SPRINGS, MS

CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: D4 of 7

RALON T. YAGER
REGISTERED PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

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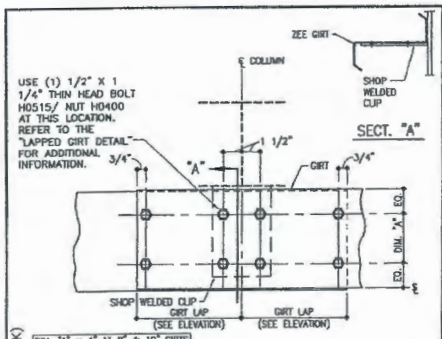
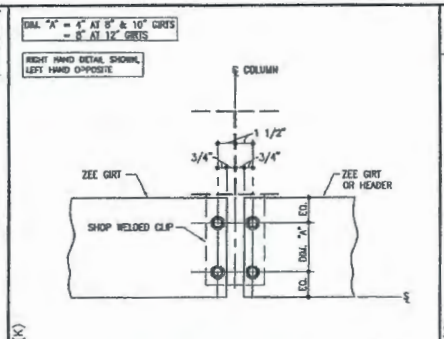


SW OR EW GIRT DETAIL (1 / D5)

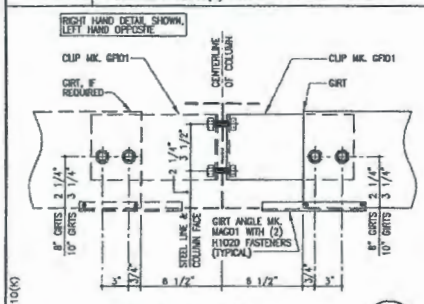
LAPPED BYPASS GIRTS AT INTERIOR BAY COLUMNS
NOTE: USE (7) 1/2"x 1 1/4" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



SW OR EW GIRT DETAIL (2 / D5)

SIMPLE-SPAN BYPASS GIRTS AT INTERIOR BAY COLUMNS
NOTE: USE (4) 1/2"x 1 1/4" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

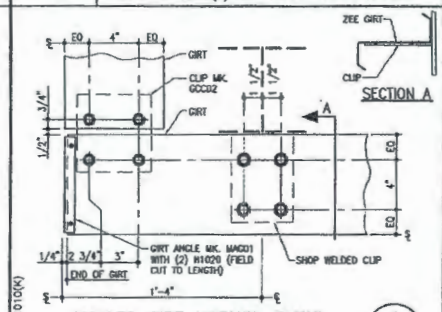
ERECTOR NOTE GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS. REFER TO THE STANDARD BOLT PLACEMENT DETAIL(S) FOR PROPER BOLT PLACEMENT.



FLUSH GIRT DETAIL (3 / D5)

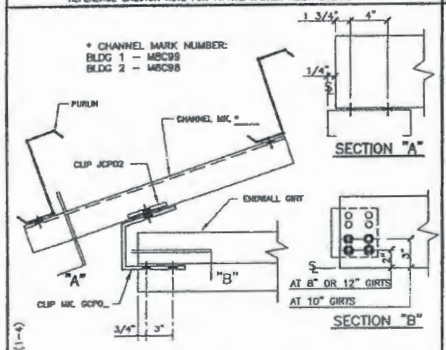
FLUSH GIRTS AT INTERIOR BAY COLUMNS
NOTE: USE (6) 1/2" x 1 1/4" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

ERECTOR NOTE GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS. REFER TO THE STANDARD BOLT PLACEMENT DETAIL(S) FOR PROPER BOLT PLACEMENT.



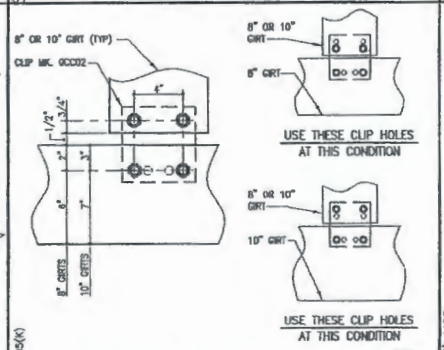
BYPASS GIRT CORNER DETAIL (4 / D5)

LEFT HAND DETAIL SHOWN, RIGHT HAND OPPOSITE
NOTE: USE (8) 1/2" x 1 1/4" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS



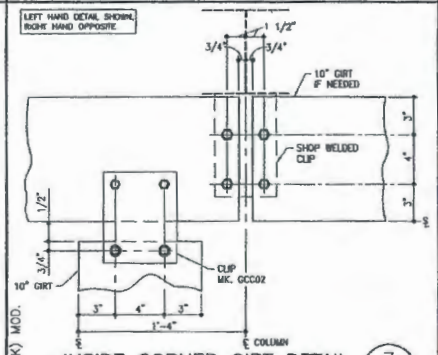
GIRT TO PURLIN CONN (5 / D5)

BYPASS GIRT AT ENDWALL PURLIN
USE (8) 1/2" x 1 1/4" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



GIRT TO GIRT DETAIL (6 / D5)

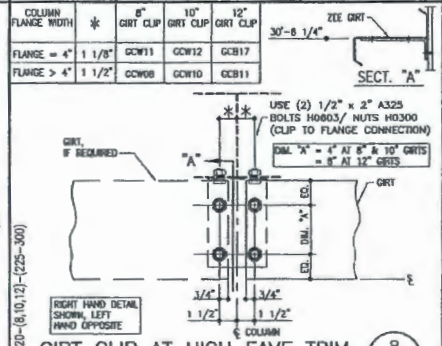
NOTE: USE (4) 1/2" x 1 1/4" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS



INSIDE CORNER GIRT DETAIL (7 / D5)

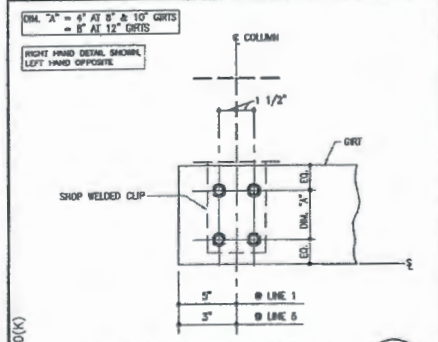
SIMPLE SPAN GIRT AT INSIDE CORNER
NOTE: USE (8) 1/2"x 1 1/4" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

COLUMN FLANGE WIDTH	*	8" GIRT CLIP	10" GIRT CLIP	12" GIRT CLIP
FLANGE = 4"	1 1/8"	GCW11	GCW12	GCB17
FLANGE > 4"	1 1/2"	GCW08	GCW10	GCB11



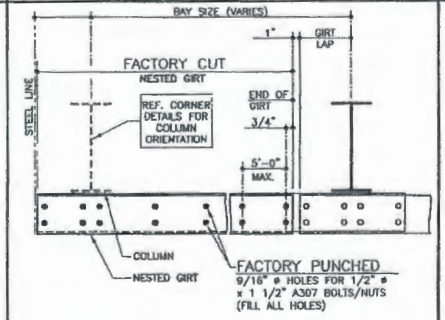
GIRT CLIP AT HIGH EAVE TRIM (8 / D5)

SIMPLE-SPAN BYPASS GIRTS AT INTERIOR BAY COLUMNS
NOTE: USE (4) 1/2" x 1 1/4" A307 BOLTS H0500/NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS



SW OR EW GIRT DETAIL (9 / D5)

SIMPLE-SPAN BYPASS GIRTS AT INTERIOR BAY COLUMNS
NOTE: USE (4) 1/2"x 1 1/4" A307 BOLTS H0500/NUTS H0400
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS



BYPASS ENDBAY NESTED GIRT DETAIL (10 / D5)

- REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS
- THE QUANTITY OF 1/2" x 1 1/2" A307 BOLTS (MK. H0500) & NUTS (MK. H0400) VARIES DEPENDING ON THE BAY SIZE.

OCT 14 2010

ISSUE	DWN	DWN	SR	ENG	CHK	P.E.	DATE
PERMIT DRAWINGS							10/14/10

MUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEANS SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: D5 of 7

FALVON T. YAGER REGISTERED PROFESSIONAL ENGINEER 10/14/10 18072 STATE OF MISSISSIPPI

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ERECTOR NOTE: UNLESS SPECIFICALLY NOTED OTHERWISE, STANDARD ZEE GIRT ORIENTATION IS TO HAVE THE GIRT TOED DOWN AT THE STEEL LINE AS SHOWN IN THE DETAIL BELOW.

UNLESS SPECIFICALLY NOTED OTHERWISE, STANDARD CEE GIRT ORIENTATION IS TO HAVE THE GIRT TOED UP AS SHOWN IN THE DETAIL BELOW. STANDARD CLIP ATTACHMENT IS BELOW THE GIRT, HOWEVER SOME DETAILS REQUIRE THAT THE CLIP BE ABOVE THE GIRT OR THAT THE GIRT BE TOED DOWN.

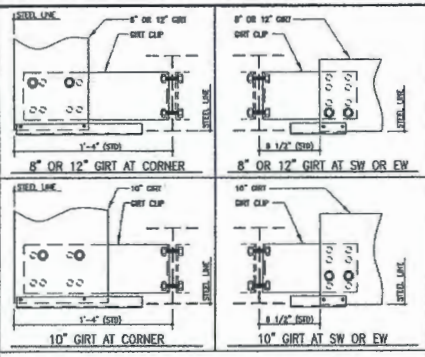
(REFER TO THE GIRT DETAILS FOR SPECIFIC CONNECTION REQUIREMENTS).

ZEE GIRT ORIENTATION — CEE GIRT ORIENTATION

STANDARD GIRT ORIENTATION DETAIL

SEE GIRT DETAILS FOR GIRT CONNECTIONS (COLUMNS NOT SHOWN)

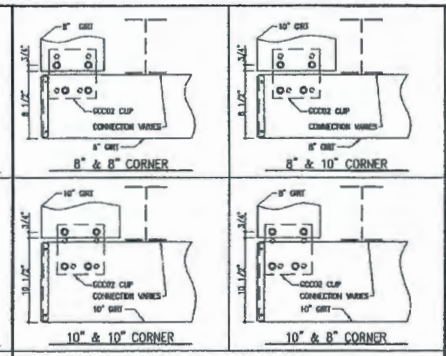
CA0005



FLUSH GIRT BOLT PLACEMENT DETAIL

REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS
GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS. REFER TO THE DETAILS ABOVE TO DETERMINE WHICH HOLES ARE UTILIZED.

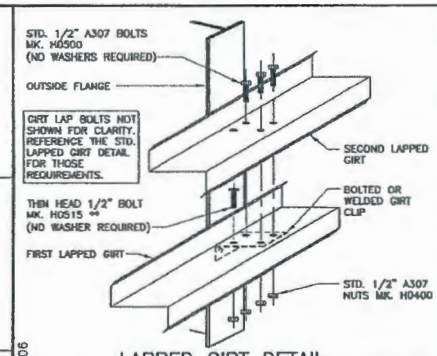
CA0001



BYPASS GIRT BOLT PLACEMENT DETAIL

REFERENCE WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS
GIRT CLIPS ARE FACTORY PUNCHED TO BE USED WITH MULTIPLE GIRT DEPTHS. REFER TO THE DETAILS ABOVE TO DETERMINE WHICH HOLES ARE UTILIZED.

CF0001

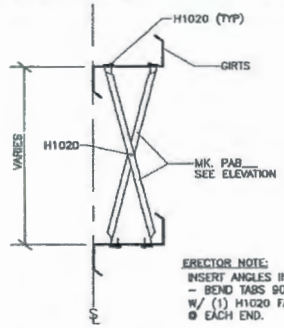


LAPPED GIRT DETAIL

LAPPED GIRTS @ INTERIOR BAY COLUMNS

** THE THIN HEAD 1/2" A307 BOLT MUST BE INSTALLED INTO THE FIRST GIRT AND CLIP OF A LAPPED CONDITION. THE BOLT/NUT ASSEMBLY MUST BE WRENCH TIGHT PRIOR TO THE SECOND LAPPED GIRT BEING INSTALLED.

CC0006

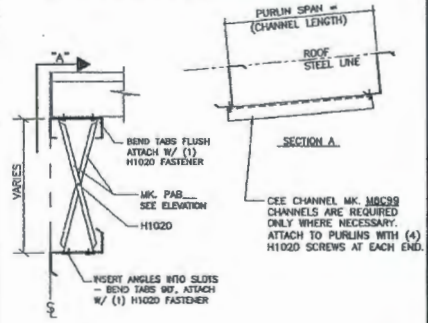


ERECTOR NOTE:
INSERT ANGLES INTO SLOTS – BEND TABS 90°, ATTACH W/ (1) H1020 FASTENER @ EACH END.

CH9130

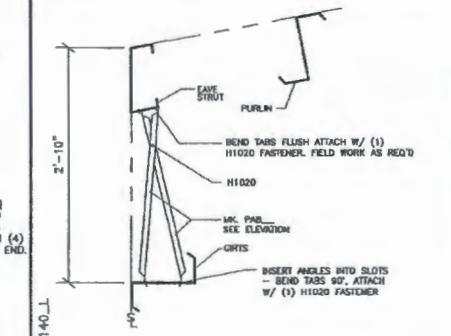
INTERMEDIATE GIRT BRACING

6 / D6



GIRT BRACING TO RAKE

7 / D6



CH9140

LOW EAVE GIRT BRACING

8 / D6

OCT 14 2010

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DWN	SR			10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

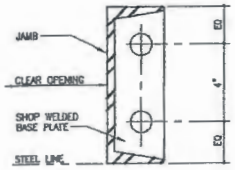
PROJECT NAME: AUGUSTA FIBERGLASS/OCEANS SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: D6 of 7

WILON T. WABER, REGISTERED PROFESSIONAL ENGINEER, 18072, STATE OF MISSISSIPPI, 10/14/10

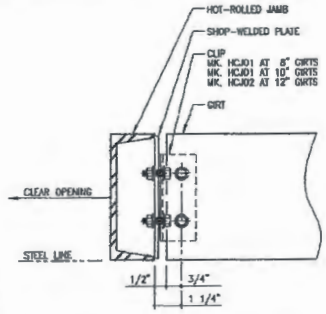
THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE REGISTERED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



CG0046

HOT-ROLLED JAMB BASE CONNECTION (1 / D7)

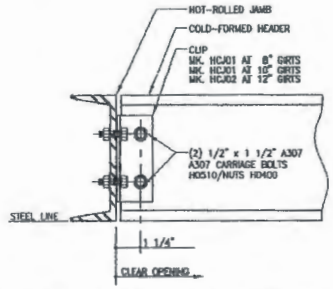
1/2" ø EXPANSION BOLTS (BY OTHERS)



CG0068(8,10,12)

GIRT TO HOT-ROLLED JAMB (2 / D7)

NOTE: USE (4) 1/2" x 1 1/2" A307 BOLTS H0500 / NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

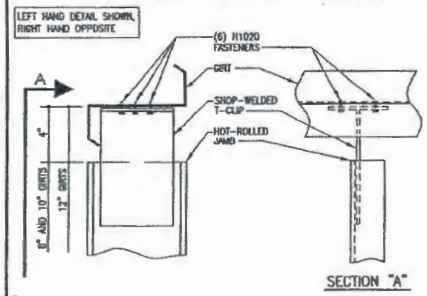


CG0067(8,10,12)

COLD FORM HEADER TO HOT-ROLLED JAMB (3 / D7)

USE (2) 1/2" x 1 1/2" A307 BOLTS H0500 / NUTS H0400
REFERENCE STANDARD WASHER DETAIL FOR TYPICAL WASHER REQUIREMENTS

ERECTOR NOTE:
PRE-DRILL HOLES AT NESTED ZEE GIRTS & DOUBLE CEE GIRTS IF REQUIRED.



CG0069(4)

HOT-ROLLED JAMB TO ZEE GIRT (4 / D7)

SHOP-WELDED CLIP CONNECTION

ISSUE	DWN	CHK	ENG	P.E.	DATE
PERMIT DRAWINGS	DRW	SR	KC		10/14/10

NUCOR BUILDING SYSTEMS GROUP
600 APACHE TRAIL
TERRELL, TX 75160
PHONE: (972) 524-5407
FAX: (972) 524-5417

PROJECT NAME: AUGUSTA FIBERGLASS/OCEANS SPRINGS
OCEAN SPRINGS, MS
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: T10X0410A

SHEET NO: D7 of 7

RALPH T. KAGER
REGISTERED PROFESSIONAL ENGINEER
10/14/10
18072
STATE OF MISSISSIPPI

OCT 14 2010

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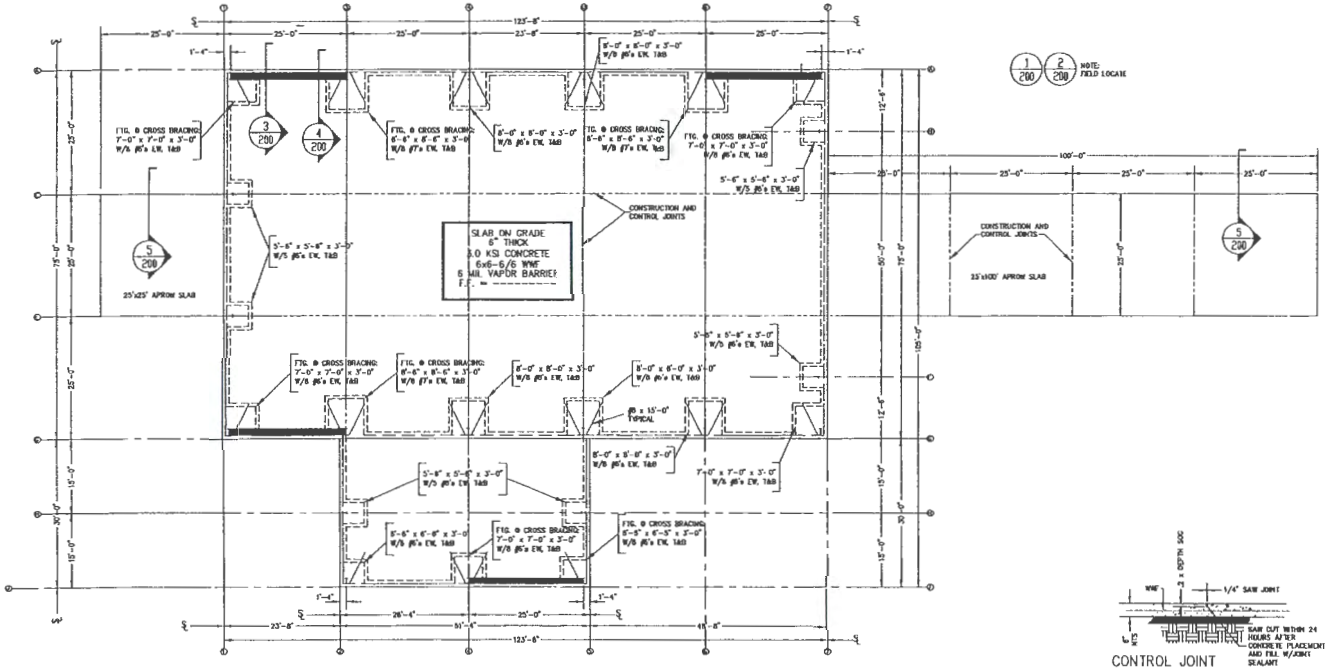
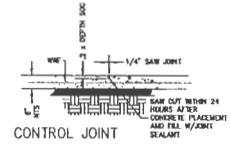
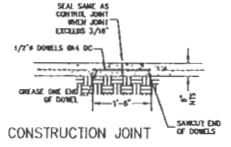


FOUNDATION PLAN

SCALE: 3/32" = 1'-0"



CONTROL JOINT



CONSTRUCTION JOINT

JOINT DETAILS

SCALE: NTS

CONCRETE NOTES

1. Foundations are designed for 3000 psf bearing. All structural fill within five feet of the building line shall be tested by a geotechnical professional and must have an in place density of 95% of modified proctor. It is recommended that fill be placed in maximum of 8 inch lifts. If, after excavation, the condition of the soil indicates a safe bearing capacity of less than 2500 psf on soil, the structural engineer of record shall be notified and the footings redesigned if necessary. Column footings and wall footings shall be poured monolithic with tops of adjacent footings at the same elevation. All footings shall bear on original undisturbed soil, where possible.

2. All concrete shall be proportioned for a minimum compressive strength of 28 days as

Slab on grade 4500 psi
Foundations, pits 3500 psi

All work shall conform to ACI-301, ACI-318, ACI-347, ACI-315 and ACI-304. Use excavated material as back fill if acceptable to testing agency. If excavated back fill material is not available, use select fill material acceptable to engineer.

3. Form work for concrete exposed to view shall be EXT-DFPA ply form, Class-1; form work not exposed to view can be either plywood or standard cut lumber. Heavy equipment for spreading and compacting back fill shall not be operated closer to wall, grade beam, etc., than a distance equal to the height of back fill shown top wall footing & bottom of grade beam.

4. All reinforcing steel shall conform to ASTM A615, Grade 40 for No.3 bars and smaller, Grade 60 for No.4 bars and larger.

5. Type and location of construction & control joints shall be as shown on drawings.

6. After concrete floor slab has hardened sufficiently to prevent fine material from reaching into surface, it shall be worked to a uniform "steel troweled" finish.

7. Floor sealing compound shall be a liquid compound. Installation in strict accordance with manufacturer's recommendations.

8. All grouting shall be high strength, non-shrink, non-staining grout of single manufacturer. All grouting shall be compacted in place without air pockets or voids. (HRC)

9. Concrete cover requirements to be as follows:
Concrete cast against the earth 3"
Concrete exposed to weather and/or
in contact with the earth
#5 bar or > 2"
#5 bar or < 1-1/2"

10. Where reinforcing bars are interrupted by openings or setbacks, provide 50% area of such bars on each side of interruption with 30 bar diameters of lap.

11. The latest version of the Standard Specifications for Structural Concrete ACI 301-96 Field Reference Manual must be retained and used on site for the duration of the project.

12. Chamfer all exposed corners of formed concrete.

13. Contractor to furnish certified dwgs from the vendor of the pre-engineered building for confirmation of foundation design and completion of design/details.

14. Foundation and slab on grade construction must comply with IBC Chapter 18,19, and all other applicable standards and specifications. All work to comply with IBC 2003

15. Provide a vapor barrier under the slab on grade per IBC 1611.1, 6 mil minimum (see plans).

16. Back filling of walls and piers shall be placed such that symmetrical loading shall be maintained on both sides. Where design conditions require back filling each side to unequal heights, then walls or piers shall be firmly shored in position, and stoves shall remain until floors or other permanent bracing elements are placed and properly set to provide full support.

17. Provide positive drainage away from the building area, both during construction and permanently.

18. Maintain stability of excavations until properly backfilled. Keep excavations free of any loose material. Develop excavations and remove any soil material prior to the placing of concrete work.

19. Grade shall be such that thickness of foundation, slab on grade, etc., is not reduced by more than 5% of that shown on drawings.

STRUCTURAL DESIGN

DESIGN LOADS: (IBC 2006)

Importance Factors: Wind $(I)_w$ 1.0
Snow $(I)_s$ 1.0
Seismic $(I)_e$ 1.0

Live Loads: Roof 20 psf
Mezzanine psf
Floor psf

Snow Load: 0 psf (ground)

Wind Load: Basic Wind Speed 140 mph (ASCE-7-88)
Exposure Category C
Wind Base Shears (for MWFRS) Vx = ____

SEISMIC DESIGN CATEGORY
Compliance with Section 1616.4 only? ☐ YES ☐ NO

SEISMIC DESIGN CATEGORY C

Provide the following Seismic Design Parameters:
Seismic Use Group II
Spectral Response Acceleration S_{DS} .151 Sg S_{D1} .093 Sg
Site Classification D
Basic structural system (check one)
☐ Bearing Wall ☐ Dual w/Special Moment Frame
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☒ Moment Frame ☐ Inverted Pendulum

Seismic base shear Vx = Vy =

Analysis Procedure ☐ Simplified ☒ Equivalent Lateral Force ☐ Modal

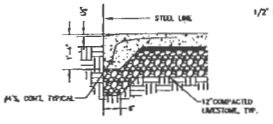
Architectural, Mechanical, Components anchored? YES

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☒

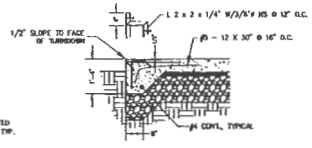
SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) 3000 psf
Presumptive Bearing capacity
Pile size, type, and capacity

ANCHOR BOLT SCHEDULE

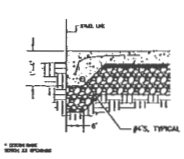
QTY.	SIZE DIA.	MAT	LENGTH	THRD	PROJ	NOTE
36	1"	A307	1'-8"	4"	3"	PLUS 3" HOOK
88	1-1/4"	A307	1'-8"	4"	3"	PLUS 3" HOOK



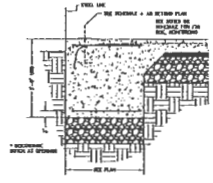
1/200 SECTION AT DOOR
SCALE: 1/2" = 1'-0"



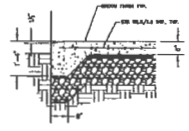
2/200 SECTION AT IND DOOR
SCALE: 1/2" = 1'-0"
NOTE: CONTRACTORS OPINION



3/200 SECTION
SCALE: 1/2" = 1'-0"



4/200 SECTION
SCALE: 1/2" = 1'-0"



5/200 SECTION
SCALE: 1/2" = 1'-0"

REVISIONS

NO.	DATE	COMMENT
0	11/15/10	FOR CONST.
1	12/3/10	ADDED: AS BUILT CHANGES

MISSISSIPPI PROFESSIONAL ENGINEER 17114 RONALD P. BITTLER 12/3/10

2010 PROJECT
AUGUSTA FIBERGLASS
OCEAN SPRINGS, MS

FOUNDATION & DETAILS

JOHN HIPSHER ENGINEERING
ESTIMATING CONSTRUCTION MANAGEMENT
7720 LAKEWOOD RD
PASCAGOULA, MS
864-225-1707 (OFC) 1
864-225-9723 (FAX)
email: johnhipsher@bellsouth.net

AUGUSTA FIBERGLASS
86 LAKE CYNTHIA ROAD
BLACKVILLE, SC 29817
803.984.9246

RON BITTLER, P.E.
RB ENGINEERING, INC.
198 QUADE DRIVE
CARY, NC 27513
(919)677-0462
WWW.RBENGINEERING.COM

SOILS REPORT PREPARED BY:
QUALITY ENGINEERING SERVICES, INC.
326-D WEST RAILROAD ST.
LONG BEACH, MS 39560
(228)868-8818
PROJECT NUMBER: 2010-1420
OCTOBER 11, 2010

JOB NUMBER: 2010-2303
DATE: 10.26.10
REVISIONS:
SCALE:
SHEET NUMBER: 200

EXHIBIT 5

City of Gautier
Economic Development / Planning Department
3305 Gautier-Vancleave Road
Gautier, MS, 39553
Phone: (228) 497-1878 Fax: (228) 497-1038

Building PERMIT# B12-11-243
JOB LOCATION: 5500 ALLEN RD GAUTIER
JOB DESCRIPTION: /APPROVED AT TRC 11/06/12

Permit Type	Building	**Permit Status**	Entered
Work Type	New	**Date Issued**	11/06/2012
Use Type	Commercial	**Date Expiration**	11/06/2013
Constr. Area (Sq Ft)		**Total Valuation**	$80,000.00

Parcels

Parcel Number	Zone	Subdivision	Lot
85298033.000			

Contacts

Type	Full Name	Main Phone	Address
Owner	REEVES TOMMY L & RITA F		5500 ALLEN RD MOSS POINT MS 39563
Applicant	B & D PLASTICS		

Contractors

Type	Name	Main Phone	Address

Fees

Type	Date Paid	Amount	Outstanding
Building Permit Fee		$380.00	$380.00
		$380.00	**$380.00**

Work Items

Type	Quantity	Unit	Value per Unit	Total Value

Conditions of Issuance

THE OWNERS OF THIS BUILDING AND THE UNDERSIGNED AGREE TO NOTIFY THE BUILDING OFFICIAL OF ANY CHANGES IN PLANS FOR WHICH THIS PERMIT IS REQUESTED.

X Owner/Authorized Signature	Date 11-13-12
Print Name	
Issuing initials:	Date

C

APPLICATION FOR A COMMERCIAL OR INDUSTRIAL PERMIT

PERMIT NUMBER _____

CITY OF GAUTIER

ACCEPTED BY

APPROVED BY

Application is hereby made for a permit under the provisions of the Comprehensive Zoning Ordinance of the City of Gautier and the Building, Fire Prevention and other applicable Codes of the City of Gautier and any amendments thereof, for the erection, construction, alteration, repair, relocation or change in use as indicated hereinafter and as shown in the accompanying plans and specifications and the representations therein contained are made a part of this application. In making this application the undersigned hereby acknowledges the validity of the zoning, fire prevention, building and other applicable ordinances and codes of the City of Gautier, and agrees that the provisions thereof shall be binding upon applicant as a condition precedent to the issuance of a permit.

APPLICANT TO COMPLETE NUMBERED SPACES ONLY

1. PROPERTY LOCATION
STREET NAME: ALLEN ROAD
NUMBER: 5500
LOT & BLOCK NO. (IF APPLICABLE)

2. CLASS OF WORK
☐ NEW ☐ ADDITION ☐ ALTERATION ☐ REPAIR ■ ACCESSORY BUILDING
☐ OTHER _____

3. OWNER: B & D PLASICS, LLC
PRESENT ADDRESS: 5500 ALLEN ROAD, OCEAN SPRINGS, MS 39564
PHONE: (228) 875 - 5865

4. CONTRACTOR: AUGUSTA FIBERGLASS COATINGS, INC.
ADDRESS: 86 LAKE CYNTHIA ROAD, BLACKVILLE, SC 29817
PHONE: (803) 284-2246

5. EXISTING USE OF PROPERTY
MANUFACTURING FACILITY

6. INTENDED USE
ASSEMBLY BUILDING

7. VALUATION OF WORK
$ 80,000.00

DO NOT WRITE IN THIS SPACE

___BUUILDING FEE _____
___ELECTRICAL FEE _____
___PLUMBING FEE _____
___MECHANICAL FEE _____

TOTAL: _____

8. STRUCTURE INFORMATION

SQ. FT. OF LOT 55,000 sq.ft.

BUILDING SIZE
WIDTH Main: 75' / Lean-to: 30'
LENGTH Main: 125' / Lean-to: 50'
HEIGHT (ROOFTOP) Main: 50' / Lean-to: 30'
BUILDING (SQUARE FOOTAGE) 10,875 sq.ft.

BUILDING MATERIALS
FOUNDATION CONCRETE
EXT. WALL STEEL & SHEETING
INT. WALL STEEL & SHEETING
ROOF STEEL & SHEETING

9. SIGNATURE
R. DALE CRIDER JR. R. Dale Crider Jr.

DATE 09/28/2012 9/28/12

ALL PLANS & SPECIFICATIONS MUST BE ATTACHED

FOR OFFICE USE ONLY

(A) FLOOD PLAIN INFORMATION: FLOOD ZONE X CERTIFIED ELEV. IF IN "A" ZONE _____

(B) PARKING SPACES: REQUIRED _____

ORIG	VIC		SEC		TS	RG	FL	CLASS	UNITS		

(C) ZONING DISTRICT _____

(D) AREA, SETBACK REG:
GREATER SETBACKS (IF APPLICABLE)

(E) PC HEARING NO. _____

C

APPLICATION FOR A COMMERCIAL OR INDUSTRIAL PERMIT

PERMIT NUMBER _____

CITY OF GAUTIER

ACCEPTED BY

APPROVED BY

Application is hereby made for a permit under the provisions of the Comprehensive Zoning Ordinance of the City of Gautier and the Building, Fire Prevention and other applicable Codes of the City of Gautier and any amendments thereof, for the erection, construction, alteration, repair, relocation or change in use as indicated hereinafter and as shown in the accompanying plans and specifications and the representations therein contained are made a part of this application. In making this application the undersigned hereby acknowledges the validity of the zoning, fire prevention, building and other applicable ordinances and codes of the City of Gautier, and agrees that the provisions thereof shall be binding upon applicant as a condition precedent to the issuance of a permit.

APPLICANT TO COMPLETE NUMBERED SPACES ONLY

1. PROPERTY LOCATION
STREET NAME: ALLEN ROAD
NUMBER: 5500
LOT & BLOCK NO. (IF APPLICABLE)

2. CLASS OF WORK
☐ NEW ☐ ADDITION ☐ ALTERATION ☐ REPAIR ■ ACCESSORY BUILDING
☐ OTHER _____

3. OWNER: B & D PLASICS, LLC
PRESENT ADDRESS: 5500 ALLEN ROAD, OCEAN SPRINGS, MS 39564
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4. CONTRACTOR: AUGUSTA FIBERGLASS COATINGS, INC.
ADDRESS: 83 LAKE CYNTHIA ROAD, BLACKVILLE, SC 29817
PHONE: (803) 284-2246

5. EXISTING USE OF PROPERTY
MANUFACTURING FACILITY

6. INTENDED USE
ASSEMBLY BUILDING

7. VALUATION OF WORK
$ 80,000.00

DO NOT WRITE IN THIS SPACE

___BUUILDING FEE _____
___ELECTRICAL FEE _____
___PLUMBING FEE _____
___MECHANICAL FEE _____

TOTAL: _____

8. STRUCTURE INFORMATION

SQ. FT. OF LOT 55,000 sq.ft.

BUILDING SIZE
WIDTH Main: 75' / Lean-to: 30'
LENGTH Main: 125' / Lean-to: 50'
HEIGHT (ROOFTOP) Main: 30' / Lean-to: 30'
BUILDING (SQUARE FOOTAGE) 10,875 sq.ft.

BUILDING MATERIALS
FOUNDATION CONCRETE
EXT. WALL STEEL & SHEETING
INT. WALL STEEL & SHEETING
ROOF STEEL & SHEETING

9. SIGNATURE
R. DALE CRIDER JR. R. Dale Crider Jr.

DATE
09/28/2012 9/28/12

ALL PLANS & SPECIFICATIONS MUST BE ATTACHED

FOR OFFICE USE ONLY

(A) FLOOD PLAIN INFORMATION: FLOOD ZONE _____ CERTIFIED ELEV. IF IN "A" ZONE _____

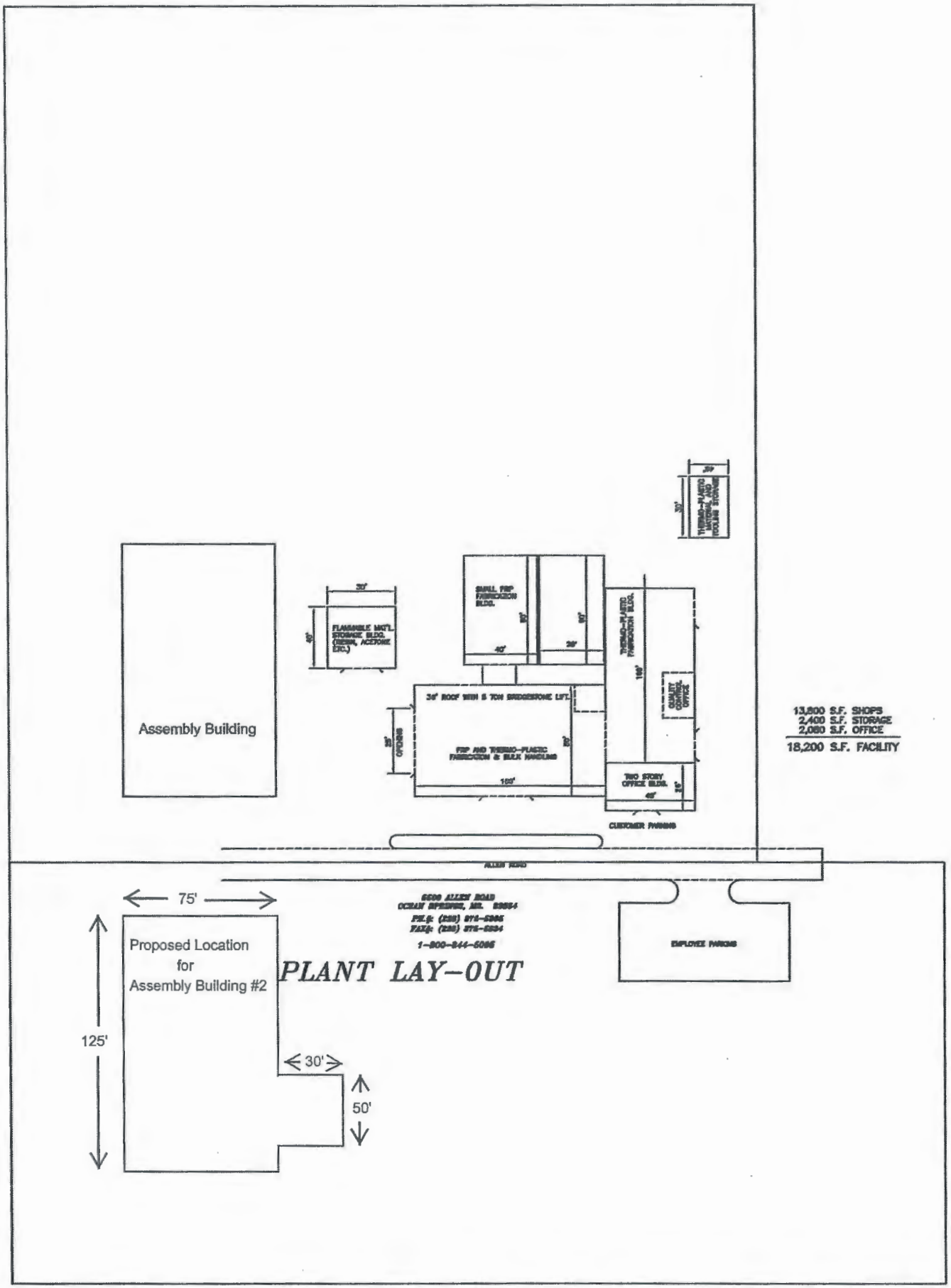
(B) PARKING SPACES: REQUIRED _____

ORIG	VIC		SEC		TS	RG	PL	CLASS	UNITS		

(C) ZONING DISTRICT _____

(D) AREA, SETBACK REG:
GREATER SETBACKS (IF APPLICABLE)

(E) PC HEARING NO. _____


Assembly Building
FLAMMABLE MAT'L. STORAGE BLDG. (RESIN, ACETONE ETC.)
SMALL FRP FABRICATION BLDG.
THERMO-PLASTIC FABRICATION BLDG.
CLEAN ROOM OFFICE
24' ROOF MIN 5 TON BRIDGESTONE LIFT
OPENING
FRP AND THERMO-PLASTIC FABRICATION & BULK HANDLING
TWO STORY OFFICE BLDG.
CUSTOMER PARKING
13,800 S.F. SHOPS
2,400 S.F. STORAGE
2,000 S.F. OFFICE
18,200 S.F. FACILITY
ALLEN ROAD
EMPLOYEE PARKING
75'
125'
Proposed Location
for
Assembly Building #2
30'
50'
PLANT LAY-OUT

NUCOR
BUILDING SYSTEMS
A DIVISION OF NUCOR CORPORATION

PROJECT NUMBER: S07H0828A
PROJECT NAME: AUGUSTA FIBERGLASS / NEWBURG, MD
PROJECT LOCATION: NEWBURG, MD COUNTY: CHARLES
CUSTOMER: AUGUSTA FIBERGLASS BLACKVILLE, SC

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET
JUN 10 2008
YOUR BUILDING IS BEING FABRICATED,
NO CHANGES CAN BE MADE

MBMA MEMBER

NOTES AND SPECIFICATIONS

BUILDING ERECTION NOTES

1) THE GENERAL CONTRACTOR AND/OR ERECTOR IS RESPONSIBLE TO SAFELY AND PROPERLY ERECT THE METAL BUILDING SYSTEM IN CONFORMANCE WITH THESE DRAWINGS, OSHA REQUIREMENTS, AND MBMA STANDARDS PERTAINING TO PROPER ERECTION ...

2) ALL HIGH STRENGTH BOLTS ARE TYPE ASTM A325 AND ARE TO BE INSTALLED ...

3) ...

4) ...

5) THE METAL BUILDING SUPPLIER SHALL BE NOTIFIED PRIOR TO ANY FIELD MODIFICATIONS. ...

6) ALL WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS ...

7) COMMON ABBREVIATIONS:

TYP. UNO–TYPICAL, UNLESS NOTED OTHERWISE; SIM–SIMILAR; NIC–NOT IN CONTRACT; N/A–NOT APPLICABLE; MBS–METAL BUILDING SUPPLIER; O.A.L.–OVERALL LENGTH

8) CONSTRUCTION LOADS SHALL NOT BE PLACED ON ANY STRUCTURAL STEEL FRAMEWORK UNLESS SUCH FRAMEWORK IS SAFELY BOLTED, WELDED, OR OTHERWISE ADEQUATELY SECURED.

9) PURLINS AND GIRTS SHALL NOT BE USED AS AN ANCHORAGE POINT FOR A FALL ARREST SYSTEM UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE METAL BUILDING SUPPLIER.

10) PURLINS MAY ONLY BE USED AS A WALKING/WORKING SURFACE WHEN INSTALLING SAFETY SYSTEMS, AFTER ALL PERMANENT BRIDGING HAS BEEN INSTALLED AND FALL PROTECTION IS PROVIDED.

11) CONSTRUCTION LOADS MAY BE PLACED ONLY WITHIN A ZONE THAT IS WITHIN 8 FEET OF THE CENTER-LINE OF THE PRIMARY SUPPORT MEMBER. ...

12) ALL LIFTING DEVICES MUST MEET OSHA OR MBMA STANDARDS ...

GENERAL DESIGN NOTES AND MATERIAL SPECIFICATIONS

1) ALL STRUCTURAL STEEL SECTIONS AND WELDED PLATE MEMBERS ARE DESIGNED IN ACCORDANCE WITH THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS– ALLOWABLE STRESS DESIGN", NINTH EDITION, OR THE AISC "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", THIRTEENTH EDITION, AS REQUIRED BY THE SPECIFIED BUILDING CODE.

2) ALL WELDING OF STRUCTURAL STEEL IS BASED ON AWS D1.1 "STRUCTURAL WELDING CODE", LATEST EDITION.

3) ALL COLD FORMED MEMBERS ARE DESIGNED IN ACCORDANCE WITH AISI "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.

4) ALL WELDING OF COLD FORMED STEEL IS BASED ON AWS D1.3 "STRUCTURAL WELDING CODE – SHEET STEEL", LATEST EDITION.

5) IF JOISTS ARE INCLUDED WITH THIS PROJECT, THEY ARE SUPPLIED AS A PART OF THE SYSTEMS-ENGINEERED METAL BUILDING AND ARE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1926.758 OF THE OSHA SAFETY STANDARD FOR STEEL ERECTION, DATED JANUARY 18, 2001.

6) MATERIAL SPECIFICATIONS:

PLATE AND FLANGE MATERIAL 3/16"-1/2" THICK & THRU 1" THICK	A529, GRADE 55
OTHERS	A36
BUILT-UP STRUCTURAL WEB MATERIAL	A1011 SS (OR HSLAS CL1) OR 55
HOT-ROLLED STRUCTURAL	A36 OR A572 GRADE 50
STRUCTURAL TUBE	A500 GRADE B (46 KSI)
STRUCTURAL PIPE	A500 GRADE B (42 KSI)
COLD-FORMED STRUCTURAL	A1011 SS (OR HSLAS CL1) OR 55
PPS ROOF PANELS	A792 GRADE 50
STANDING SEAM ROOF PANELS	A792 GRADE 50, CLASS 1
R-PANEL AND A-PANEL SIDING	A653 GRADE 80, CLASS 1 OR A792 GRADE 80, CLASS 1
ROD BRACING	A529 GRADE 50
CABLE BRACING	A475 COATING CLASS A, GRADE EHS, 7-WIRE
WELDS	AWS D1.1 LATEST EDITION
HIGH-STRENGTH BOLTS	A325 TYPE 1 HEAVY HEX OR A490 TYPE 1 HEAVY HEX
MACHINE BOLTS	A-307 GRADE A HEX

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PRIMARY AND SECONDARY STEEL PRIMER COLOR: RED
ROOF SHEETING, TYPE: CLASSIC 26 GAGE, FINISH: GALVALUME
ROOF PANEL CLIP TYPE: ☒ N/A ☐ TALL ☐ SHORT ☐ UTILITY ☐ FIXED ☐ FLOATING
THERMAL BLOCKS: ☐ YES ☒ NO EPS FOAM SPACER: ☐ YES ☒ NO
SEAMING METHOD (FOR CFR ONLY): ☐ ROLL LOCK™ ☐ VISE LOCK™ ☐ VISE LOCK 360™
(REFER TO THE DETAIL PAGES FOR ADDITIONAL SEAMING INFORMATION)
(CLAMPS AND CFR GUTTER HANGERS ARE PROVIDED IN GALVANIZED COLOR ONLY. ... GUTTER HANGERS ARE ... COLORS.)
COMPOSITE ROOF DECK, TYPE: N/A ___ GAGE, FINISH: ___
ROOF DECK ONLY, TYPE: N/A ___ GAGE, FINISH: ___
ROOF LINE TRIM, PAINTED: LIGHTSTONE
EXTERIOR WALL SHEETING, TYPE: CLASSIC WALL 26 GAGE, FINISH: LIGHTSTONE
EXTERIOR WALL CORNER TRIM FINISH: LIGHTSTONE
EXTERIOR BASE TRIM, PAINTED: BURNISHED SLATE
FRAMED OPENING TRIM, PAINTED: LIGHTSTONE
FRAMED OPENING COVER TRIM, PAINTED: N/A
WALL FRAMED OPENING, SIZES: (1) 20'-0"x30'-0" (1) 00'-0"x50'-0"
(1) 15'-0"x15'-0"
INTERIOR WALL SHEETING, TYPE: N/A ___ GAGE, FINISH: ___
INTERIOR CEILING LINER, TYPE: N/A ___ GAGE, FINISH: ___
INTERIOR WALL TRIM, PAINTED: N/A

YES	NO	
☐	☒	DOWNSPOUTS PAINTED: ___ GUTTERS PAINTED: ___
☒	☐	WALKDOORS, QUANTITY: (2) 3070 PAINTED: POLAR WHITE
☐	☒	WINDOWS: ___ PAINTED: ___
☒	☐	INSULATION (NOT BY MBS), ROOF: 4" BATT WALLS: 4" BATT
☐	☒	CRANES (SEE CRANE PLAN FOR ADDITIONAL CRANE INFORMATION)
☐	☒	MEZZANINE (SEE MEZZANINE PLAN FOR ADDITIONAL MEZZANINE INFO)
☐	☒	WALL TRANSLUCENT PANELS, LENGTH: ___ QUANTITY: ___
☐	☒	ROOF TRANSLUCENT PANELS, LENGTH: ___ QUANTITY: ___ INSULATED PANELS YES ☐ NO ☐
☐	☒	PIPE JACKS, SIZE: ___ QUANTITY: ___
☐	☒	ROOF FRAMED OPENINGS, SEE ROOF FRAMING PLAN FOR SIZES
☐	☒	ROOF CURBS (BY MBS), SEE ROOF FRAMING PLAN FOR SIZES
☐	☒	RIDGE VENTS, 10'-0" LONG X ☐12" ☐9" THROAT, QUANTITY: ___ SINGLE UNITS ☐ CONTINUOUS UNITS ☐

BUILDING HAS BEEN DESIGNED FOR VERTICAL LOADS OF CURTAIN ONLY. CURTAINS WEIGHS 400# & 150# IN BLDG. A & 100# IN BLDG B. NO CATERNARY LOADS FROM CURTAINS TAKEN BY NUCOR STRUCTURE.

REVISION NOTES:

△1 CHANGED LEFT ENDWALL SPACING ON BUILDING 1 FROM 1@12'-6", 2@25, 1@12'-6" TO 3@25'-0".

YES	NO	
☐	☒	FASCIA, PROJECTION: ___ TOP OF FASCIA HEIGHT: ___ FACE PANEL, TYPE: ___ GAGE, FINISH: ___ BACK PANEL, TYPE: ___ GAGE, FINISH: ___ CAP TRIM PAINTED: ___ BASE TRIM PAINTED: ___ ☐ CLOSED SYSTEM, CLEAR UNDER SOFFIT TRIM: ___ SOFFIT PANEL, TYPE: ___ GAGE, FINISH: ___ SOFFIT TRIM AT BUILDING LINE PAINTED: ___ ☐ OPEN SYSTEM, (NO SOFFIT PANEL PROVIDED) CLEAR UNDER FASCIA: ___
☐	☒	PARAPET SYSTEM ☐ STRUCTURAL PARAPET ☐ NON-STRUCTURAL PARAPET ☐ NOT BY MBS TOP OF PARAPET HEIGHT: ___ BACKER PANEL, TYPE: ___ GAGE, FINISH: ___
☐	☒	CANOPY (EXPOSED BEAM), PROJECTION: ___ AT EAVE LINE ☐ BELOW EAVE ☐ ROOF PANEL, TYPE: ___ GAGE, FINISH: ___ SOFFIT PANEL, TYPE: ___ GAGE, FINISH: ___ SOFFIT TRIM AT BUILDING LINE PAINTED: ___ CLEAR UNDER CANOPY BEAM: ___
☐	☒	BOXED-OUT CANOPY, PROJECTION: ___ ☐ AT EAVE LINE ☐ BELOW EAVE ROOF PANEL, TYPE: ___ GAGE, FINISH: ___ FACE PANEL, TYPE: ___ GAGE, FINISH: ___ SOFFIT PANEL, TYPE: ___ GAGE, FINISH: ___ SOFFIT TRIM AT BLDG LINE PAINTED: ___ CLEAR UNDER SOFFIT: ___ BASE TRIM PAINTED: ___
☐	☒	EAVE EXTENSION (CONCEALED BEAM), PROJECTION: ___ SOFFIT PANEL, TYPE: ___ GAGE, FINISH: ___ SOFFIT TRIM AT BUILDING LINE PAINTED: ___
☐	☒	RAKE EXTENSION, PROJECTION: ___ SOFFIT PANEL, TYPE: ___ GAGE, FINISH: ___ SOFFIT TRIM AT BUILDING LINE PAINTED: ___
☐	☒	PARTITION WALL SHEETING PANEL TYPE: ___ GAGE, FINISH: ___ PARTITION WALL TRIM COLOR: ___

Professional Certification.
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 28741.
Expiration Date: 10/6/2010.
This note applies to all sheets included in this drawing set. See the Drawing Index for sheet numbers.

BUILDING LOADS

DESIGN CODE: IBC 2009
ROOF LIVE LOAD: 20.00 PSF MBMA OCC. CLASS:
NOT REDUCIBLE PER CODE II – STANDARD BUILDINGS
GROUND SNOW LOAD: 25 PSF SNOW EXP. FACTOR, Ce: 0.9
SNOW IMPORTANCE FACTOR, Is: 1
WIND: 90 mph WIND IMPORTANCE FACTOR, Iw: 1
EXPOSURE: C
UL 90 ☐ YES ☒ NO
Classic Roof–Const. No. 181; Classic Roof w/ Translucent Panel–Const. No. 187
CFR Roof–Const. No. 560; CFR Roof w/ Translucent Panel–Const. No. 580;
VR16 Roof–Const. No. 502
SEISMIC INFORMATION: Ss:0.150, S1:0.051
Design Sds/Sd1: 0.700/0.082 Site Class: D
Seismic Imp. Factor Ie: 1 Seismic Design Category: B
Analysis Procedure: Equivalent Lateral Force Method
Basic SFRS: Not Detailed For Seismic

NOTES:
1) COLLATERAL DEAD LOADS, UNLESS OTHERWISE NOTED, ARE ASSUMED TO BE UNIFORMLY DISTRIBUTED. WHEN SUSPENDED SPRINKLER SYSTEMS, LIGHTING, HVAC EQUIPMENT, CEILINGS, ETC. ARE SUSPENDED FROM ROOF MEMBERS, CONSULT THE M.B.S. IF THESE CONCENTRATED LOADS EXCEED 500 POUNDS, OR IF INDIVIDUAL MEMBERS ARE LOADED SIGNIFICANTLY MORE THAN OTHERS.
2) THE DESIGN OF STRUCTURAL MEMBERS SUPPORTING GRAVITY LOADS IS CONTROLLED BY THE MORE CRITICAL EFFECT OF ROOF LIVE LOAD OR ROOF SNOW LOAD, AS DETERMINED BY THE APPLICABLE CODE.

	BUILDING 1	BUILDING 2
ROOF DEAD (PSF):	2.5	2.5
PRI. COL. (PSF):	3.0	3.0
SEC. COL. (PSF):	3.0	3.0
SNOW Ct:	1.2	1.2
SNOW Cs:	1.0	1.0
ROOF SNOW (PSF):	18.9	20
WIND ENCLOSURE:	Part. Encl.	Part. Encl.
GCpi:	±0.55	±0.55
SEISMIC R:	3.0	3.0
SEISMIC Cs:	0.047	0.047
BASE SHEAR (KIPS):	4.00	1.00

ERECTION MANUALS REQUIRED
(ERECTION MANUALS ARE SHIPPED WITH THE BUILDING IN A WAREHOUSE PACKING CRATE)

☐ CFR ROOF ☐ (HB600) OR ☐ (HB250)	☐ SINGLE CURB (HB850)	
☒ CLASSIC ROOF ☒ (HB420) OR ☐ (HB201)	☐ DOUBLE CURB (HB800)	
☒ WALL SHEETING ☒ (HB430) OR ☐ (HB300)	☐ VR16 (HB900)	
☐ JOIST BRIDGING PACKET (SENT SEPARATELY BY JOIST MANUFACTURER)		

DRAWING INDEX

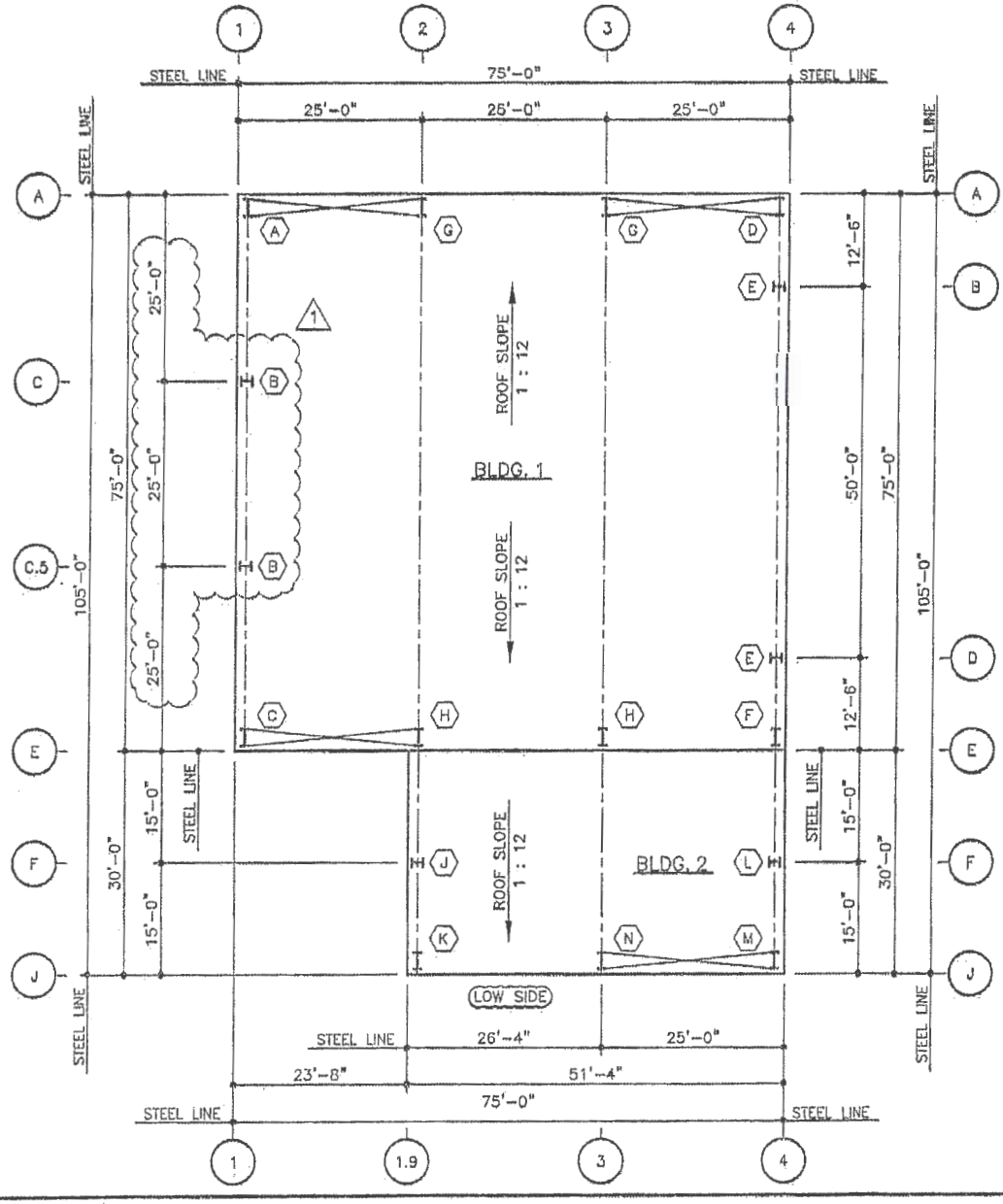
COVERSHEET C1 A/BOLT DWGS F1, F2
COLUMN BASE REACTIONS R1-R10 (SEPARATE 8 1/2" X 11" SUBMITTAL)
STRUCTURAL/SHEETING DRAWINGS E1-E20
DETAILS D1-D7

ISSUE	DWN	CHK	ENG	P.E.	DATE
CONSTRUCTION ANCHOR BOLTS	JHB	ADH	JB	JET	12/12/07
PERMITS	XXX	ADH	JB	JET	12/14/07
FINAL ERECTION	XXX	ADH	JB	JET	01/03/08
△ REVISED ANCHOR BOLT	DWG	NOO	JB	JET	05/06/08
REVISED FINAL ERECTION	DWG	ADH	JB	JET	05/16/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHITSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS / NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS BLACKVILLE, SC
JOB NUMBER: S07H0828A
SHEET NO: C1 of 1

THIS SEAL PERTAINS ONLY TO THE MATERIALS DESIGNED AND SUPPLIED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWING AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE IMPRINTED PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS OR REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



ANCHOR BOLT PLAN

GENERAL NOTES

1. THE SPECIFIED ANCHOR BOLT SIZE ASSUMES ASTM F1554 GRADE 36 THREADED ROD MATERIAL FOR THE BOLTS. A36 THREADED ROD MAY BE USED IN PLACE OF F1554 ROD. ANCHOR BOLT EMBEDMENT LENGTH IS TO BE DETERMINED BY THE FOUNDATION DESIGN ENGINEER.
2. THE METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR FOUNDATION DESIGN. THE FOUNDATION DESIGN SHALL BE DONE BY A REGISTERED PROFESSIONAL ENGINEER, FAMILIAR WITH LOCAL SITE CONDITIONS.
3. ALL ANCHOR BOLTS, FLAT WASHERS FOR ANCHOR BOLTS, EXPANSION BOLTS, AND ALL CONCRETE/MASONRY EMBEDS ARE NOT BY THE METAL BUILDING MANUFACTURER.
4. THIS DRAWING IS NOT TO SCALE.
5. FINISHED FLOOR ELEVATION = 100'-0"
6. "SINGLE" CEE COLUMNS SHOULD BE ORIENTED WITH THE "TOES" TOWARD THE LOW EAVE UNLESS SHOWN OTHERWISE.

– CROSS BRACING

BOTTOM OF BASEPLATE
ELEV. = 100'-0"
AT FINISHED FLOOR

ANCHOR BOLT SCHEDULE		
QUANTITY	SIZE	PROJECTION
20	3/4"	3" FROM BOTTOM OF BASE PLATE
20	1"	3" FROM BOTTOM OF BASE PLATE
32	1 1/4"	3" FROM BOTTOM OF BASE PLATE

THE ANCHOR BOLT SETTINGS SHOWN ON THESE DRAWINGS NOT ONLY INDICATE WHERE THE ANCHOR BOLTS ARE TO BE PLACED, BUT ALSO THE FOOTPRINT OF THE METAL BUILDING. IT IS ESSENTIAL THAT THESE BOLT PATTERNS BE FOLLOWED. IN THE EVENT THAT THESE SETTINGS DIFFER FROM THE ARCHITECTURAL FOUNDATION PLANS, THE METAL BUILDING MANUFACTURER MUST BE CONTACTED IMMEDIATELY, BEFORE CONCRETE IS PLACED.

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

ISSUE	DWN	CHK	ENG	P.E.	DATE
CONSTRUCTION ANCHOR BOLTS	MD	JBM	JB	JET	12/12/07
	KKK	JBM	JB	JET	12/14/07
PERMITS					
FINAL DESIGN	JBM	DRS	JB	JET	01/03/08
REVISED ANCHOR BOLT	WKS	MCB	JB	JET	06/04/08
REVISED FINAL DESIGN	DRS	JBM			06/10/08

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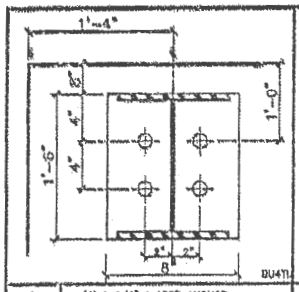
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS / NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

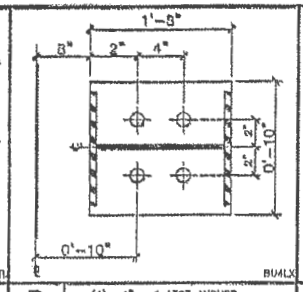
JOB NUMBER: S07H0828A

SHEET NO: F1 of 2

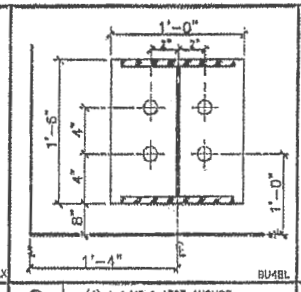
THIS SEAL PERTAINS ONLY TO THE MATERIALS PROVIDED AND FURNISHED BY NUCOR BUILDING SYSTEMS, A DIVISION OF NUCOR CORPORATION. THE DRAWINGS AND THE METAL BUILDING WHICH THEY REPRESENT ARE THE PRODUCT OF NUCOR BUILDING SYSTEMS. THE ACHITECTURAL PROFESSIONAL ENGINEER WHOSE SEAL APPEARS ON THESE DRAWINGS IS EMPLOYED BY NUCOR BUILDING SYSTEMS AND DOES NOT SERVE AS SUCH REPRESENT THE PROJECT ENGINEER OF RECORD AND SHALL NOT BE CONSTRUED AS SUCH.



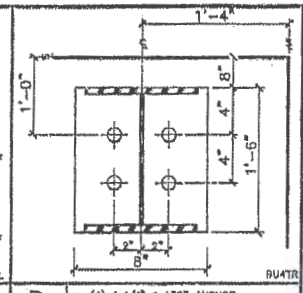
A (4) 1 1/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



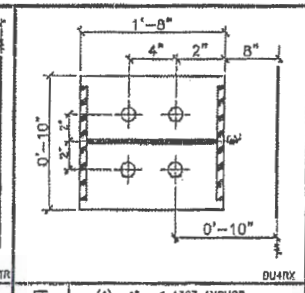
B (4) 1" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



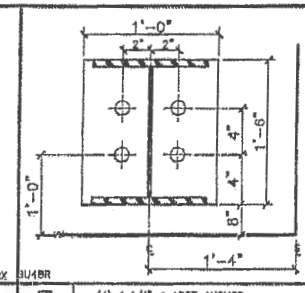
C (4) 1 1/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



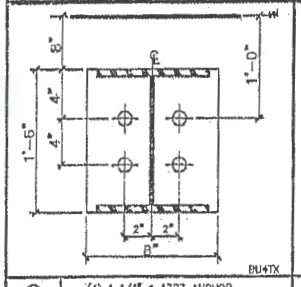
D (4) 1 1/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



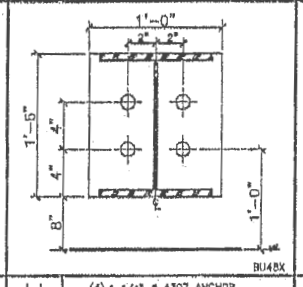
E (4) 1" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



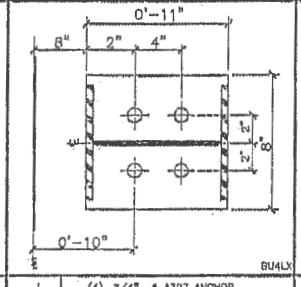
F (4) 1 1/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



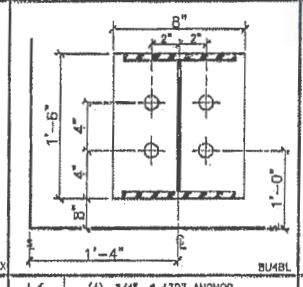
G (4) 1 1/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



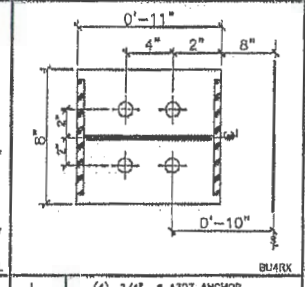
H (4) 1 1/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



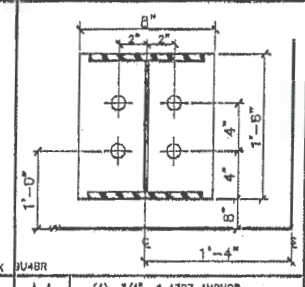
J (4) 3/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



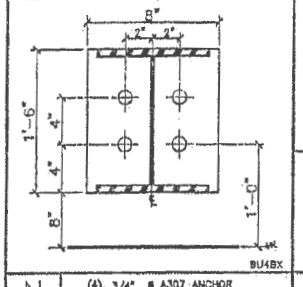
K (4) 3/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



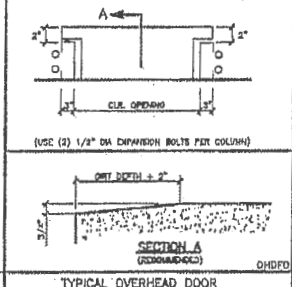
L (4) 3/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



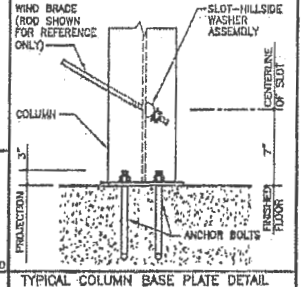
M (4) 3/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



N (4) 3/4" ø A307 ANCHOR BOLTS WITH A 3" PROJECTION



TYPICAL OVERHEAD DOOR FRAMED OPENING



TYPICAL COLUMN BASE PLATE DETAIL AT SLOT-HILLSIDE WASHER LOCATION

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2000

YOUR BUILDING IS BEING FABRICATED.
NO CHANGES CAN BE MADE.

	DRWN	CHK	ENG	P.E.	DATE
CONSTRUCTION ANCHOR BOLTS	JNS	ADH	TD	AET	12/12/07
FOUNDATIONS	XXX	ADH	TD	AET	12/14/07
FINAL ERECTION	ADH	DNS	TD	AET	01/03/08
REVISED ANCHOR BOLT	VMS	MRD	TD	AET	06/06/08
REVISED FINAL ERECTION	DNS	ADH	TD	AET	06/10/08

NUCOR BUILDING SYSTEMS GROUP
PO BOX 1006, 200 WHETSTONE RD.
SWANSEA, SC 29160
PHONE: (803) 568-2100
FAX: (803) 568-2121

PROJECT NAME: AUGUSTA FIBERGLASS / NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: F2 of 2

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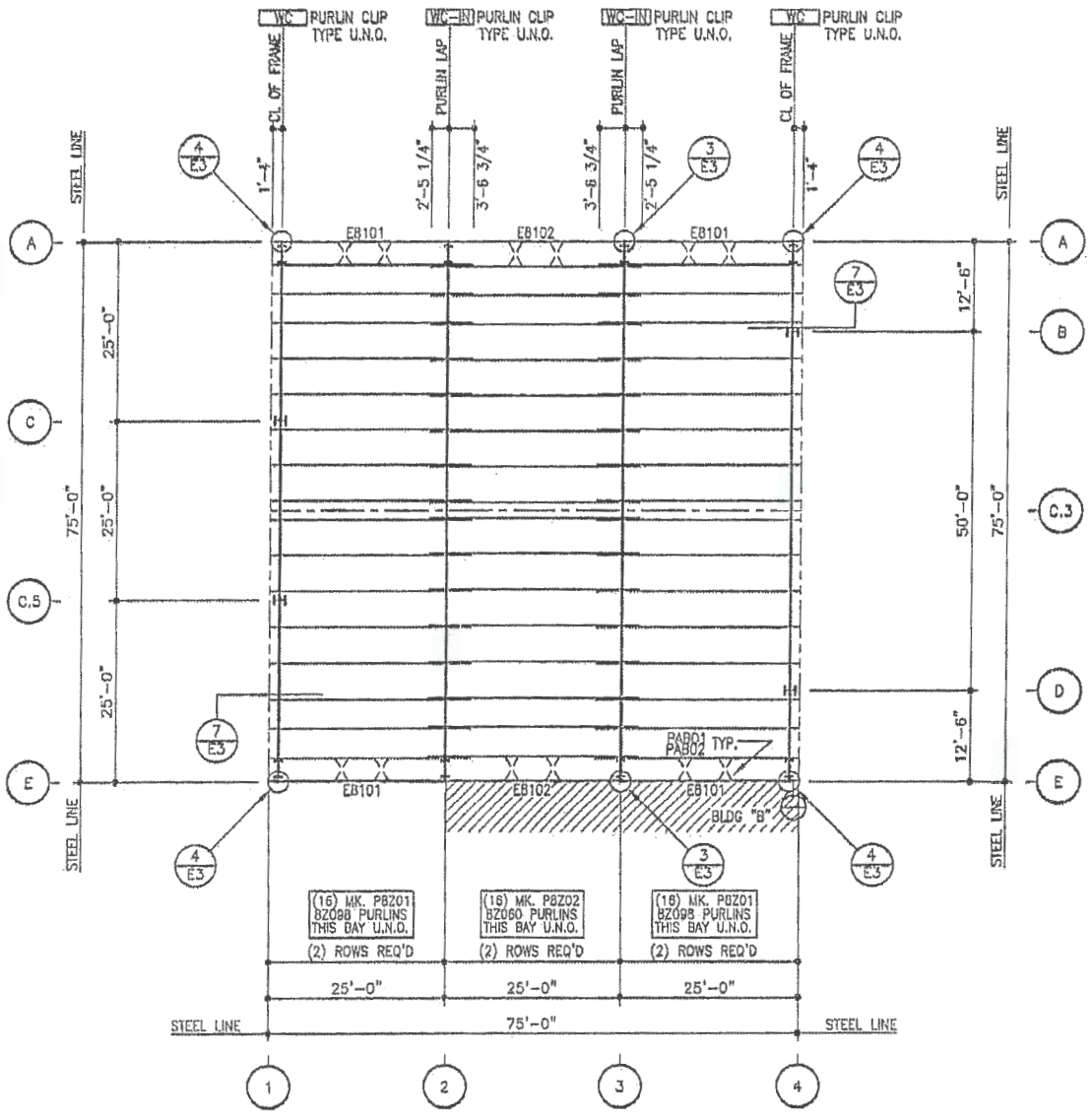

ROOF FRAMING PLAN (BLDG 1)

1) PURLIN AND EAVE STRUT CONNECTION BOLT REQUIREMENTS: A307 AND A325 BOLTS ARE BOTH USED. REFER TO THE DETAILS FOR SPECIFIC USAGE REQUIREMENTS.
2) FBC___/FBE___ INDICATES FLANGE BRACING.
3) SEE SHEET E6 FOR MAIN FRAME FLANGE BRACING.
4) SEE SHEET E3 FOR PURLIN BRACING DETAIL.
5) ALL EAVE STRUTS ARE 8E098 U.N.O.

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 10 2008

YOUR BUILDING IS BEING FABRICATED, NO CHANGES CAN BE MADE.

ISSUE	DRWN	CHK	CHG	P.E.	DATE
PERMITS	XXX	NDH	BD	JET	12/14/07
FRAM. ERECTION	ASH	SAS	BD	JET	01/03/08
REVISED FRAM. ERECTION	DKS	ASH	JSS		6/10/08

NUCOR BUILDING SYSTEMS GROUP
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PROJECT NAME: AUGUSTA FIBERGLASS/NEWBURG, MD
NEWBURG, MD
CUSTOMER: AUGUSTA FIBERGLASS
BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: E1 of 20

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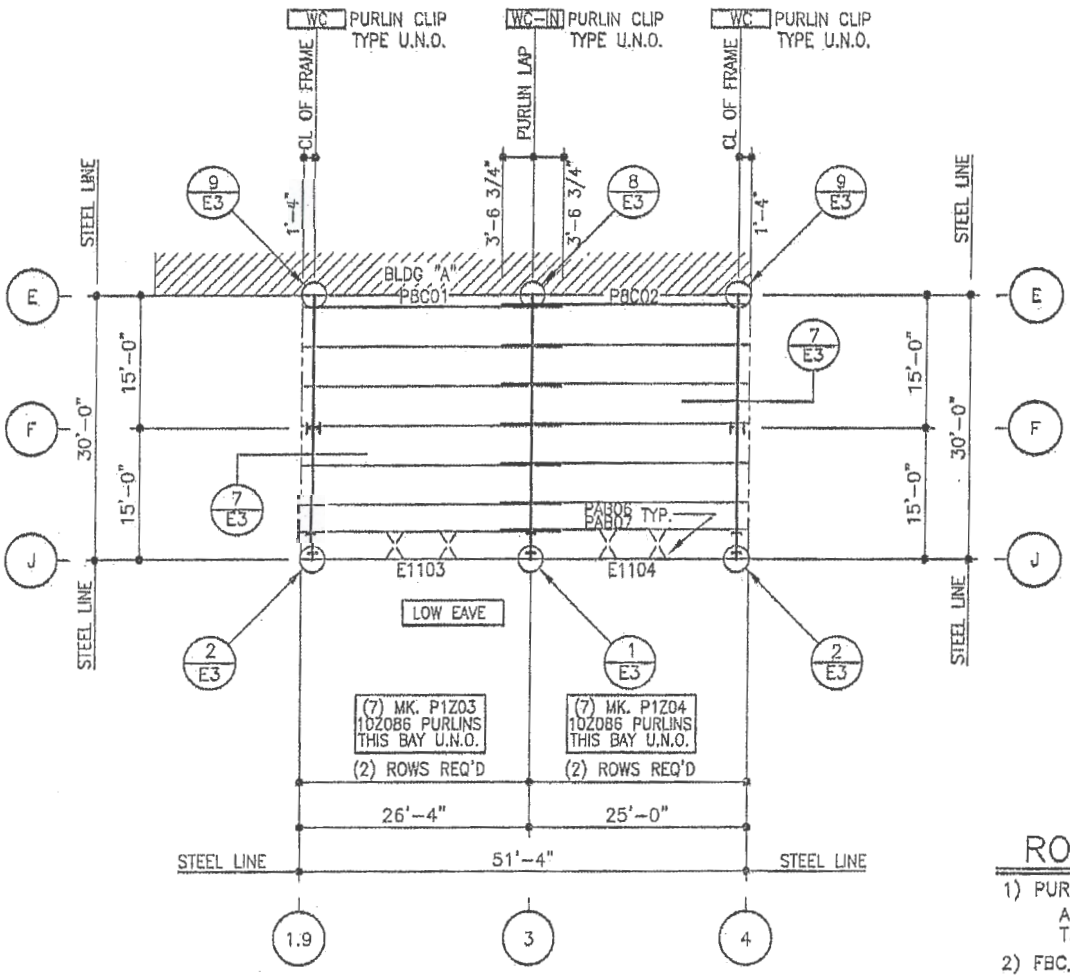

FOR CONSTRUCTION
THIS IS NOT AN APPROVAL SET.

JUN 1 0 2008

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ROOF FRAMING PLAN (BLDG 2)

1) PURLIN AND EAVE STRUT CONNECTION BOLT REQUIREMENTS: A307 AND A325 BOLTS ARE BOTH USED. REFER TO THE DETAILS FOR SPECIFIC USAGE REQUIREMENTS.
2) FBC___/FBE___ INDICATES FLANGE BRACING.
3) SEE SHEET E7 FOR MAIN FRAME FLANGE BRACING.
4) SEE SHEET E3 FOR PURLIN BRACING DETAIL.
5) ALL EAVE STRUTS ARE 10E060 U.N.O.

ISSUE	DWN	CHK	ENGR	P.E.	DATE
FOR REVIEW	EEE	AGH	JD	JET	12/14/07
FOR FINAL ERECTION	AGH	AGH	DAS	JET	01/08/08
REVISED FINAL ERECTION	DAS	AGH	CJS		6/10/08

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BLACKVILLE, SC

JOB NUMBER: S07H0828A

SHEET NO: E2 of 20

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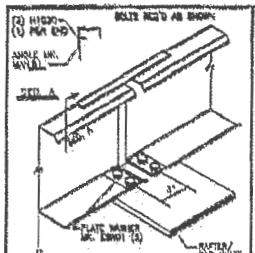
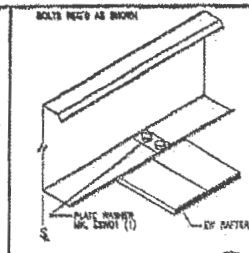


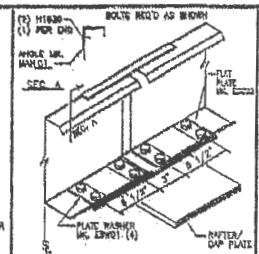
EAVE STRUT 1 E3

LOW EAVE BY-PASS ON ONE CONDITION
USE (4) 1/2"x 2" A36 BOLT H0065/NUT H1000 U.N.O.



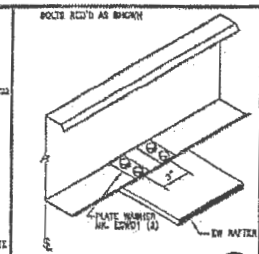
EAVE STRUT 2 E3

BYPASS SIDEWALL CONDITION
LOW EAVE BOLT-UP ON ONE CONDITION
USE (2) 1/2" X 2" A36 BOLT H0065/NUT H1000 U.N.O.



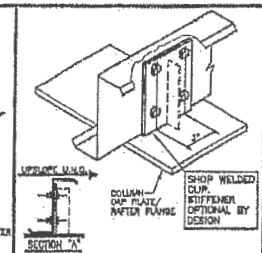
EAVE STRUT 3 E3

LOW EAVE BYPASS ON ONE CONDITION
USE (8) 1/2" X 2" A325 BOLT H0065/NUT H1000 U.N.O.



EAVE STRUT 4 E3

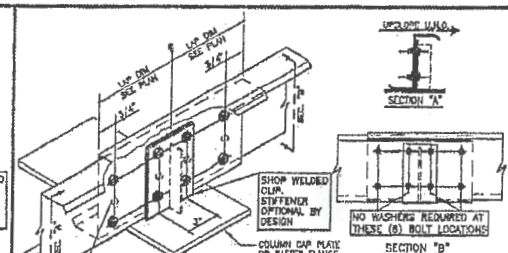
BYPASS SIDEWALL CONDITION
LOW EAVE BOLT-UP ON ONE CONDITION
USE (4) 1/2" X 2" A36 BOLT H0065/NUT H1000 U.N.O.



AC
WC
WS

WELDED CLIP @ END FRAME

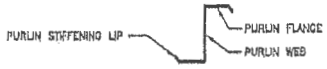
USE (4) 1/2" x 1 1/2" A307 BOLTS H0060/NUT H0100 U.N.O.
REFERENCE ENGINEER NOTE FOR TYP. WASHER REQUIREMENTS



AC-IN
WC-IN
WS-IN

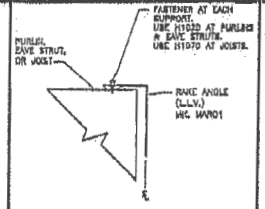
WELDED CLIP @ INTERIOR FRAME

USE (8) 1/2" x 1 1/2" A307 BOLTS H0060/NUT H0100 U.N.O.



GENERAL RESTRICTION:

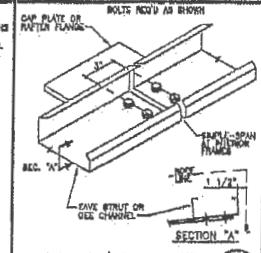
UNDER NO CIRCUMSTANCES CAN THE PURLIN STIFFENING LIP BE FIELD MODIFIED FROM THE FACTORY SUPPLIED CONDITION. ALSO DO NOT HANG ANYTHING FROM PURLIN STIFFENING LIP.



RAKE ANGLE ATTACHMENT 7 E3

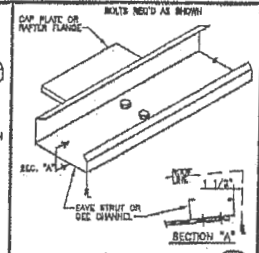
AT ENDWALL STEEL LINE

RAKE_ANG



EAVE STRUT / CEE CHANNEL 8 E3

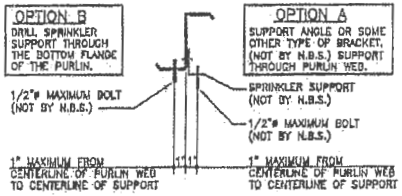
HIGH EAVE CONNECTION AT INTERIOR FRAMES
USE (4) 1/2" x 2" A36 BOLTS H0065/NUT H1000
REFERENCE ENGINEER NOTE FOR TYP. WASHER REQUIREMENTS



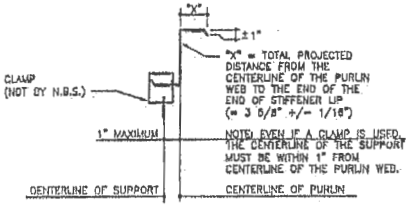
EAVE STRUT / CEE CHANNEL 9 E3

HIGH EAVE CONNECTION AT END WALL
USE (2) 1/2" x 2" A36 BOLTS H0065/NUT H1000
REFERENCE ENGINEER NOTE FOR TYP. WASHER REQUIREMENTS

PREFERRED OPTIONS FOR SPRINKLER SUPPORT ATTACHMENTS:

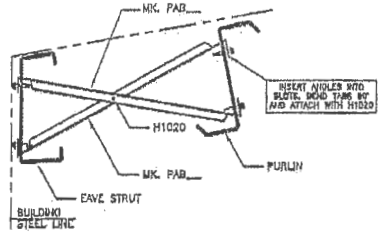


IF PURLIN FLANGE SUPPORT CLAMPS ARE USED:



EC0130

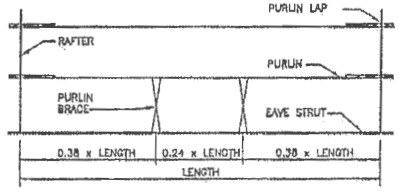
N.B.S. PURLIN SUPPORT METHODS



PLAN VIEW OF PURLIN BRACING LOCATIONS PER BAY

1) THERE ARE ALWAYS (2) ROWS OF PURLIN BRACING REQUIRED REGARDLESS OF THE BAY LENGTH.

2) THE PURLIN BRACING IS ALWAYS SPACED AS SHOWN IN THE DETAIL BELOW.



EC0135

LOW EAVE PURLIN BRACING

(EAVE STRUT TO FIRST PURLIN)

FOR CONSTRUCTION
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JUN 10 2008

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DWN	CHK	ENG	P.E.	DATE
JCK	ADH	EB	AET	12/14/07
ADH	DAS	TD	AET	01/02/08
DAS	ADH	JCS		6/10/08

ISSUE	REVISIONS
FINAL EXECUTION	
REVISED FINAL EXECUTION	

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