DATE 02/13/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024133

APPLICANT DAVID SIMQUE PHONE 755-7787

ADDRESS PO BOX 2962 LAKE CITY FL 32056-2962

OWNER HUB CITY PHONE 386.755.9401

ADDRESS 371 SW KING CT, STE 101 LAKE CITY FL 32025

CONTRACTOR SIMQUE CONSTRUCTION PHONE 386.755.7787

LOCATION OF PROPERTY 47-S, TO CANNON CREEK CT.,TR AND IT'S THE 1ST. BLDG. ON R
ACROSS FROM RING POWER.

TYPE DEVELOPMENT ADD.TO METAL BLDG ESTIMATED COST OF CONSTRUCTION 200000.00

HEATED FLOOR AREA 450.00 TOTAL AREA 9918.00 HEIGHT 24.00 STORIES 1

FOUNDATION CONC WALLS STEEL ROOF PITCH 1'12 FLOOR CONC

LAND USE & ZONING ILW MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 20.00 REAR 15.00 SIDE 15.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 19-4S-17-08558-102 SUBDIVISION CANNON CREEK BUSINESS PARK

LOT 2 BLOCK PHASE UNIT TOTAL ACRES 3.50

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
		CBC056158	

Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident
EXISTING	06-0018-N	BLK	JTH	N

COMMENTS: SDP 99-09. 1 FOOT ABOVE ROAD.

Check # or Cash 1784

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by
Foundation _____ date/app. by
Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by
Slab _____ date/app. by
Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by
Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by
Heat & Air Duct _____ date/app. by
Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by
C.O. Final _____ date/app. by
Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by
Pool _____ date/app. by

Reconnection _____ date/app. by
Pump pole _____ date/app. by
Utility Pole _____ date/app. by

M/H Pole _____ date/app. by
Travel Trailer _____ date/app. by
Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 1000.00 CERTIFICATION FEE $ 49.59 SURCHARGE FEE $ 49.59

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 1174.18

INSPECTORS OFFICE L.H.L CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

CK#

Revised 9-23-04

For Office Use Only Application # 0601-19 Date Received 1-6-06 By G Permit # 24133

Application Approved by - Zoning Official BLK Date 1-01-06 Plans Examiner OKSTH Date 2-3-06

Flood Zone X Development Permit N/A Zoning ILW Land Use Plan Map Category IND.

Comments SDP 99-09

~~Need~~ ~~Set~~ / NOC CK# 1784

Applicants Name David Sumrall Phone 755-7787

Address P.O. Box 2962 Lake City, FL 32056

Owners Name Hub City Ind. Supply Phone 755-9401

911 Address 371 SW Ring Ct. Suite 101 32025

Contractors Name Sumrall Construction Phone 755-7787

Address P.O. Box 2962 Lake City, FL 32056

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Nicholas Giesler Lake City

Mortgage Lenders Name & Address

Circle the correct power company - FL Power & Light - (Clay Elec.) - Suwannee Valley Elec. - Progressive Energy

Property ID Number 19-4S-17-08558-102 Estimated Cost of Construction 200,000.00

Subdivision Name Cannon Creek Bus. Park Lot 2 Block ____ Unit ____ Phase ____

Driving Directions Hwy 47 S TO Cannon Creek Ct. Turn Right

First Building on Right across from Ring Power.

Type of Construction Addition Office / Warehouse Number of Existing Dwellings on Property ____

Total Acreage 3.5 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive)

Actual Distance of Structure from Property Lines - Front 250 Side 10' Side 350 Rear 15'

Total Building Height 24' Number of Stories 1 Heated Floor Area 450 S.F. Roof Pitch 1/12

TOTAL 9,919

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number CBC056158

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

CRISTA THOMAS
MY COMMISSION # DD092740
EXPIRES: Feb. 14, 2006
Bonded Thru Notary Public Underwriters

Sworn to (or affirmed) and subscribed before me

this 6 day of Jan 20 05.

Personally known ✓ or Produced Identification ____

Notary Signature

758-2160

Rec. 18.50
Cert. Copy 3.50

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By Shawn Segal
Deputy Clerk
Date 04-20-2006

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

PERMIT NO. _____ TAX FOLIO NOS.: 19-4S-17-08558-102

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property:

Lot 2, CANNON CREEK CENTER, a subdivision according to the plat thereof recorded in Plat Book 6, Pages 113-114 of the public records of Columbia County, Florida.

2. General description of improvement: Construction of a commercial building.

3. Owner information:

a. Name and address: HUB CITY INDUSTRIAL SUPPLY, INC., Post Office Box 3609, Lake City, Florida 32056.

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner):

4. Contractor: SIMQUE CONSTRUCTION, Post Office Box 2962, Lake City, Florida 32056.

5. Surety

a. Name and address: None

6. Lender: MERCANTILE BANK, 187 SW Baya Drive, Lake City, Florida 32025.

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

HUB CITY INDUSTRIAL SUPPLY, INC.

By: _____
Gabriel Curry
President

The foregoing instrument was acknowledged before me this 20th day of April 2006, by GABRIEL CURRY, President of HUB CITY INDUSTRIAL SUPPLY, INC., a Florida corporation, on behalf of the corporation. He is personally known to me and did not take an oath.

_____
Notary Public
My commission expires:

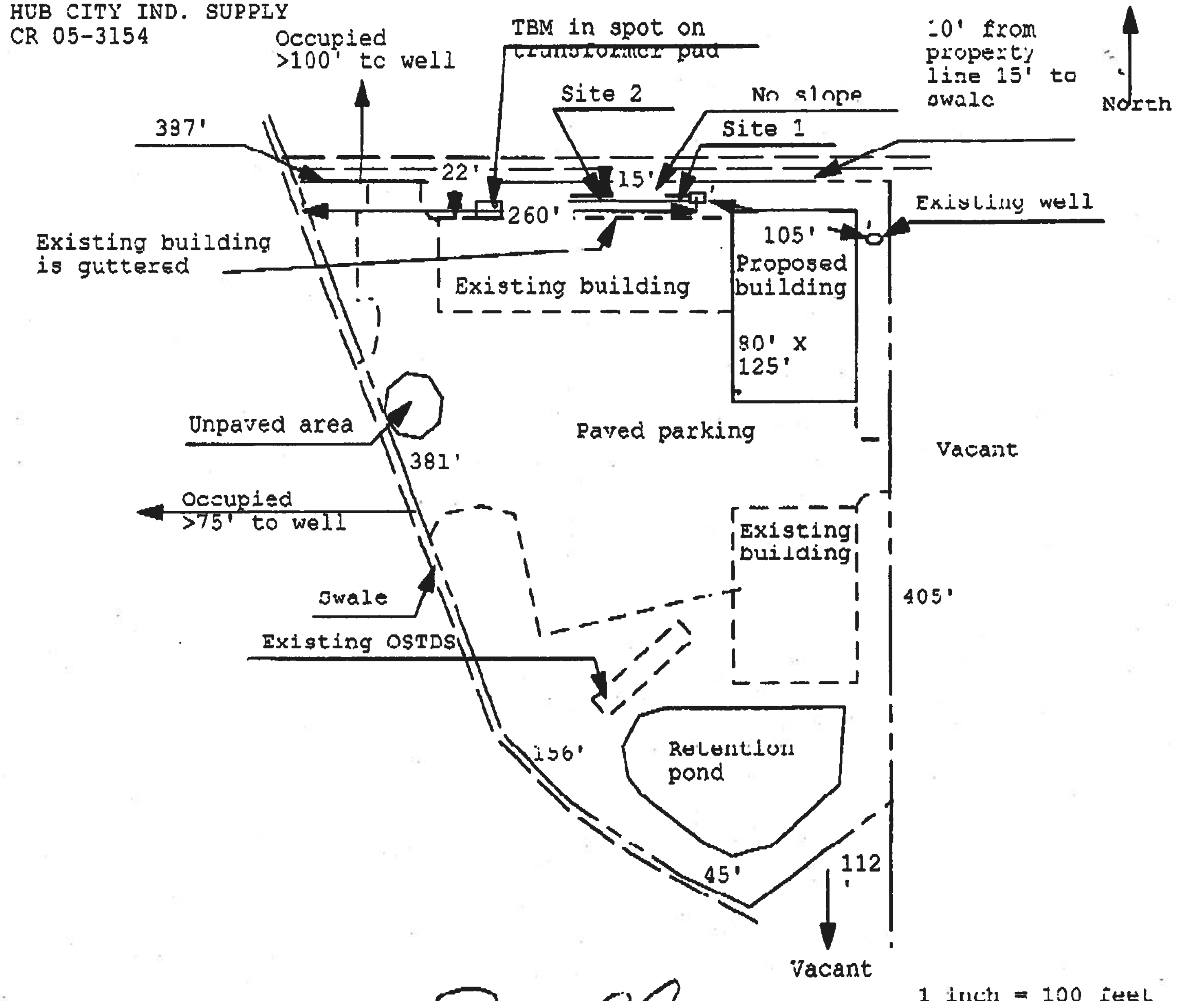
TERRY MCDAVID
MY COMMISSION # DD 500788
EXPIRES: January 16, 2010
Bonded Thru Notary Public Underwriters

Inst:2006009646 Date:04/20/2006 Time:12:48
_____DC,P.DeWitt Cason,Columbia County B:1081 P:400

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan
Permit Application Number: 06-0018-N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

HUB CITY IND. SUPPLY
CR 05-3154



Site Plan Submitted By Paul [signature] **Date** ____
Plan Approved ✓ **Not Approved** ____ **Date** 2-10-06
By Mark S Zander ____ Columbia **CPHU**

Notes: ____

REVISED 2-8-06

RECE[IVED] 2-8-06

```
@ CAM112M01     S  CamaUSA Appraisal System                    Columbia County
 1/06/2006 16:17  Legal Description Maintenance      95565  Land  001   *
Year T Property    * PRIOR YEAR *          Sel                AG    000
2005 R 19-4S-17-08558-102                  ...       463694  Bldg  002
       CANNON CREEK CENTER                           43952  Xfea  004
       HUB CITY INDUSTRIAL SUPPLY INC               603211  TOTAL      B

  1  LOT 2 CANNON CREEK CENTER.       ORB 817-531, 886-2247              2
  3                                                                      4
  5                                                                      6
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 27                                                                     28
                                                  Mnt 10/19/1999 LARRY
F1=Task  F3=Exit  F4=Prompt  F10=GoTo  PgUp/PgDn  F24=More
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Date	Inspection	Inspect.	Owner	Pass	Location	Permit
03/20/06	Rough Plumbing	Harry	David Simque - Hub City		Cannon Creek Business Park L-2	24133
03/22/06	Slab	Randy	David Simque - Hub City	OK	Cannon Creek Business Park L-2	24133
05/31/06	Framing	Randy	Simque Const. - Hub City	Not Ready	Cannon Creek Business Park L-2	24133
05/31/06	Electrical	Randy	Simque Const. - Hub City	Not Ready	Cannon Creek Business Park L-2	24133
05/31/06	Plumbing	Randy	Simque Const. - Hub City	Not Ready	Cannon Creek Business Park L-2	24133
05/31/06	A/C	Randy	Simque Const. - Hub City	Not Ready	Cannon Creek Business Park L-2	24133
06/02/06	Recheck Framing	Randy	David Simque - Hub City	OK	Cannon Creek Business Park Lot	24133
06/02/06	Recheck Electrical	Randy	David Simque - Hub City	OK	Cannon Creek Business Park Lot	24133
06/02/06	Recheck Plumbing	Randy	David Simque - Hub City	OK	Cannon Creek Business Park Lot	24133
06/02/06	Recheck A/C	Randy	David Simque - Hub City	OK	Cannon Creek Business Park Lot	24133
06/02/06	Firewall	Randy	David Simque - Hub City	Not Ready	Cannon Creek Business Park Lot	24133
07/28/06	Perm Power	Harry	Simque Const. - Hub City	OK	Cannon Creek Business Park L-2	24133
08/25/06	Final	Harry	Simque Const. - Hub City	Not Right	Cannon Creek Business Park L-2	24133
08/28/06	Recheck Final	Harry	Simque Const. - Hub City	OK	Cannon Creek Business Park L-2	24133

Hi: Kayla -

24133

- 866.491.3226 -

You should be able to see it on 12.31.15

Thanks !!

Columbia County Building Dept.
No Open or Expired Permits
Name: [signature]
Date: 12.30.15

Fax. 2
12.30.15

CERTIFICATE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 19-4S-17-08558-102 **Building permit No.** 000024133

Use Classification ADD.TO METAL BLDG **Fire:** 176.38

Permit Holder SIMQUE CONSTRUCTION **Waste:** 0.00

Owner of Building HUB CITY **Total:** 176.38

Location: 371 SW RING COURT, STE 101 & SUITES 105-107

Date: 08/28/2006

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

PERMIT # 24133

LAKE CITY / COLUMBIA COUNTY
FIRE - RESCUE

225 NW Main Blvd., Suite 101, Lake City, FL 32055
Phone: 386-752-3312 Fax: 386-758-5424
e-mail: lcfd@se.rr.com
alwilson@se.rr.com (Fire Chief)

Alphonso Wilson
Fire Chief

Inspection Division

Firesafety Inspectors

Carlton A. Tunsil
Assistant Fire Chief

Frank E. Armijo
Captain

Nathiel L. Williams, Sr.
Driver/Engineer

TO: David Simque

FROM: Carlton Tunsil, Assistant Fire Chief
State Fire Inspector License #48544

DATE: 8/25/06

SUBJECT: Fire Safety Inspection

A fire safety inspection was performed today at Hub City Suites#105,106,107 and also the warehouse, located at SW.Ring CT. Lake City, FL. This Facility meets all requirements of Chapter 40 of Life Safety Code 101, 2003 Edition. No violations were noted. I recommend approval.

Carlton Tunsil, Assistant Fire Chief
State Fire Inspector License #48544

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

#24133

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB106478 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Simque Construction Company Phone No. 755-7787

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Hub City Industrial Park
321 SW Brg Ct., Ste 101
Lake City, FL 32024

Type of Construction (More than one box may be checked) ☐ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 2' Inside 2' Type of Fill Sand

Section 4: Treatment Information

Date(s) of Treatment(s) 3/20/06
Brand Name of Product(s) Used Cyper TC
EPA Registration No.
Approximate Final Mix Solution % .5%
Approximate Size of Treatment Area: Sq. ft. 9918 Linear ft. — Linear ft. of Masonry Voids —
Approximate Total Gallons of Solution Applied 990 gals.
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)

Comments

Name of Applicator(s) S. Gregory Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature [signature] Date 3/20/06

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

INSTALLATION INSTRUCTIONS FOR ALUMINUM FIN AND FLANGE WINDOWS

FAILURE TO FOLLOW THESE INSTRUCTIONS, AND BUILDING CODES REQUIREMENTS, MAY EFFECT THE REMEDIES AVAILABLE UNDER YOUR WARRANTY

READ THESE INSTRUCTIONS COMPLETELY BEFORE BEGINNING. Please inspect your MI Windows and Doors, Inc. product thoroughly before beginning installation. Inspect the opening and the product, and do not install if there is any observable damage or other irregularity. The product specification sheet and warranty include important information regarding your product and may include product-specific installation requirements (for example, types of fasteners to be used with impact resistant windows and limitations on the height at which the product may be installed); if you did not obtain copies please contact MI Windows and Doors, Inc. Local building codes may impose additional requirements, and those codes supercede these instructions.

1. IF THE HOUSE HAS A WEATHER RESISTANT BARRIER (WRB) I.E.: HOUSE WRAP, PREPARE THE OPENING ACCORDING TO MANUFACTURER'S INSTRUCTIONS. **BE SURE TO CUT & FOLD BACK THE WRB AT THE TOP AND SIDES SO THAT THE TOP AND SIDE NAILING FINS OF THE UNIT CAN BE INSTALLED UNDERNEATH IT.** FLASHING WINDOWS IS RECOMMENDED AND MAY BE REQUIRED BY SOME BUILDING CODES, FLASHING MUST MEET ASTM D-779, 24 HOUR WATER RESISTANT TEST. APPLY THE HORIZONTAL SILL FLASHING BEFORE INSTALLING THE WINDOW AT THE BOTTOM OF THE ROUGH OPENING EXTENDING BEYOND EACH END. (SEE FIGURE 1 BELOW)

2. MAKE SURE THE ROUGH OPENING IS PLUMB, SQUARE AND THE SILL PLATE IS LEVEL. ROUGH OPENINGS SHOULD BE 1/2" LARGER THAN NET WINDOW SIZE IN WIDTH & HEIGHT. (SEE FIGURE 2 BELOW)

3. CLOSE & LOCK THE SASH THROUGHOUT INSTALLATION, KEEP THE SIDE JAMBS PLUMB & SQUARE WITH HEAD AND SILL. BE CAREFUL NOT TO "CROWN UP" OR "BOW DOWN" THE HEAD OR SILL. CONSTANTLY CHECK WIDTH AT THE MEETING RAILS OF SINGLE AND DOUBLE HUNGS TO AVOID A "BOWED OUT" INSTALLATION. WHEN USING FLASHING APPLY THE BOTTOM PIECE BEFORE INSTALLING THE WINDOWS. FLASHING MUST MEET ASTM D-799, 24 HOUR WATER RESISTANCE TEST.

4. APPLY A CONTINUOUS 3/8" BEAD OF PREMIUM GRADE, COMPATIBLE EXTERIOR SEALANT TO THE INTERIOR (BACKSIDE) OF THE NAIL FIN OR FLANGE NEAR THE OUTSIDE EDGE ON ALL SIDES PRIOR TO SETTING THE WINDOW INTO THE ROUGH OPENING. (SEE FIGURE 3 BELOW)

5. SET AND CENTER THE WINDOW INTO THE OPENING. INSERT 1/4" SHIMS UNDER THE BOTTOM CORNERS (DO NOT PLACE SHIMS OR BLOCKS UNDER THE SILL EXCEPT AT THE CORNERS). (SEE FIGURE 4 BELOW) MULLED WINDOWS, SLIDERS AND UNITS WITH INTERMEDIATE JAMBS REQUIRE A SHIM AT EACH MULLION, INTERMEDIATE JAMB OR MEETING RAIL TO INSURE A LEVEL SILL CONDITION. NOTE: REMOVE ALL SHIMS AFTER INSTALLATION IS COMPLETE, EXCEPT AT THE MEETING RAILS OF SLIDERS. IF ADDITIONAL SHIMS ARE REQUIRED TO MAINTAIN A LEVEL SILL, APPLY SHIMS AS NECESSARY.

6. TEMPORARILY PLACE A FASTENER THROUGH THE NAIL FIN ON EACH TOP CORNER OF FIN UNITS. ON FLANGE WINDOWS INSTALL TEMPORARY FASTENERS INTO THE HOLES PROVIDED IN THE FRAME AT THE TOP OF JAMBS. PLACE SHIMS AT EACH ANCHOR LOCATION AT THE SIDES AND HEAD. FASTENERS NEED TO BE INSTALLED STRAIGHT AND SUFFICIENT LENGTH TO PENETRATE TO FRAMING BY A MINIMUM OF 1 INCH. CHECK THE SILL FOR LEVEL BY RAISING THE SASH SLIGHTLY, THE SPACE SHOULD BE EQUAL. IF NOT ADJUST ACCORDINGLY. RELOCK SASH. CHECK THE JAMBS FOR PLUMB, THEN MEASURE DIAGONALLY ACROSS THE CORNERS, THESE DIMENSIONS MUST BE THE SAME FOR UNIT TO BE SQUARE. NEXT, PLACE FASTENERS NEAR THE BOTTOM CORNERS, AGAIN CHECKING WINDOW FOR LEVEL, PLUMB AND SQUARE. CONTINUE PLACING FASTENERS IN THE NAIL FIN, EVERY 16" ON ALL SIDES OF FIN WINDOWS UNTIL SECURE. AVOID DISTORTING THE FIN. FLANGE UNITS REQUIRE FASTENERS IN ALL HOLES PROVIDED IN THE FRAME, SHIMMING AS NEEDED.

7. PLACE SHIMS AT THE MEETING RAILS/CHECK RAILS AT THE SIDE JAMBS OF FIN UNITS TO PREVENT BOWING. THESE SHIMS SHOULD REMAIN AFTER INSTALLATION. CAUTION SHOULD BE TAKEN AS TO NOT OVER SHIM AND CAUSE DEFLECTION OF THE FRAME AND HINDER SASH OPERATION. CHECK THE WIDTH OF THE WINDOW AT THE TOP, MIDDLE AND BOTTOM, IF NOT THE SAME, SHIM ACCORDINGLY. UNLOCK AND OPERATE THE SASH, TILT IT IN AND VISUALLY INSPECT ALL SIGHT LINES.

8. CAULK OVER EXPOSED FASTENER HEADS ON THE NAIL FIN. ALSO CAULK OUTSIDE PERIMETER OF NAIL FIN AND FLANGE, OR IF USING FLASHING APPLY THE SIDE JAMB PIECES OVER LAPPING THE SILL FLASHING. NEXT APPLY THE TOP (HEAD) PIECE OVERLAPPING THE JAMB FLASHING. LASTLY, UNFOLD THE WRB AT THE SIDES AND HEAD COVERING THE FLASHING. TAPE THE SEAMS AND SEAL THE SIDE OF THE WINDOW ONLY, ACCORDING THE THE HOUSE WRAP MANUFACTURERS INSTRUCTIONS. (SEE FIGURE 5 BELOW)

9. INSULATE BETWEEN THE WINDOW FRAME & ROUGH OPENING WITH FIBERGLASS INSULATION OR EQUAL. THE SPACE MAY BE FILLED WITH MEASURED USE OF LOW EXPANSION FOAM BUT ONLY AFTER DETERMINING THAT FOAM WILL NOT EXERT PRESSURE AGAINST THE FRAME, WHICH CAN IMPAIR OPERATION. DISTORTION OF THE FRAME WILL AFFECT THE USER'S RIGHTS UNDER THE WARRANTY.

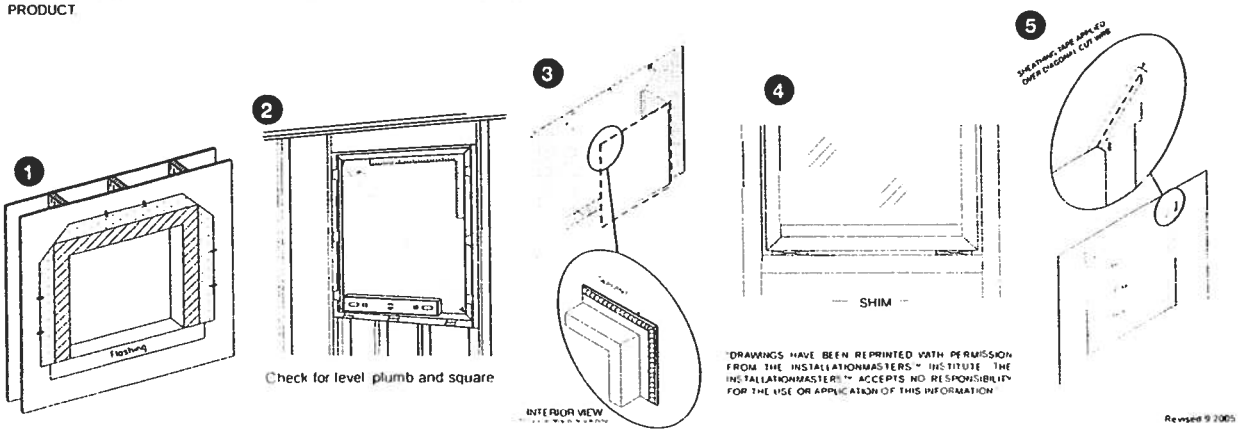
11. ALLOW A 1/4" GAP BETWEEN THE EXTERIOR CLADDING, SIDING BRICK, STUCCO OR STONE AND THE WINDOW FRAME ON ALL SIDES, EXCEPT VINYL J-CHANNEL. THE GAP (EXPANSION JOINT) SHOULD BE FILLED WITH CORRECT SIZE BACKER ROD THEN SEALED WITH A HIGH GRADE EXTERIOR SEALANT AND WILL NEED TO BE MAINTAINED

CAUTION:

- USE OF SOLVENTS OR ACIDS WILL DAMAGE COMPONENTS OF THIS PRODUCT AND WILL LIMIT RIGHTS UNDER WARRANTY.
- FIN WINDOWS SHOULD BE FASTENED THROUGH THE FIN ONLY-FLANGE WINDOWS ANCHORED ONLY THROUGH THE PROVIDED HOLES IN THE FRAME. FASTENING IN ANY OTHER PORTION MAY PERMANENTLY DAMAGE UNIT WHICH WILL LIMIT RIGHTS UNDER THE WARRANTY.
- IT IS THE RESPONSIBILITY OF THE OWNER, ARCHITECT, OR BUILDER TO SELECT CORRECT PRODUCTS TO BE IN COMPLIANCE WITH APPLICABLE LAWS AND BUILDING CODES.
- DO NOT STORE IN THE SUN OR LAY FLAT BEFORE OR DURING INSTALLATION.
- ANY PENETRATIONS (e.g. ALARM SENSORS) MADE THROUGH ANY PORTION OF ANY M.I., BETTERBILT OR CAPITOL PRODUCT MAY AFFECT RIGHTS UNDER THE MANUFACTURER'S WARRANTY.
- SOME LAWS AND BUILDING CODES REQUIRE SAFETY GLASS TO BE USED NEAR DOORS AND/OR FLOORS. UNLESS SPECIFICALLY ORDERED, THE MANUFACTURER'S NEW CONSTRUCTION WINDOWS ARE NOT MADE WITH SAFETY GLASS, AND, IF BROKEN, THE GLASS MAY SHATTER AND CAUSE INJURY.

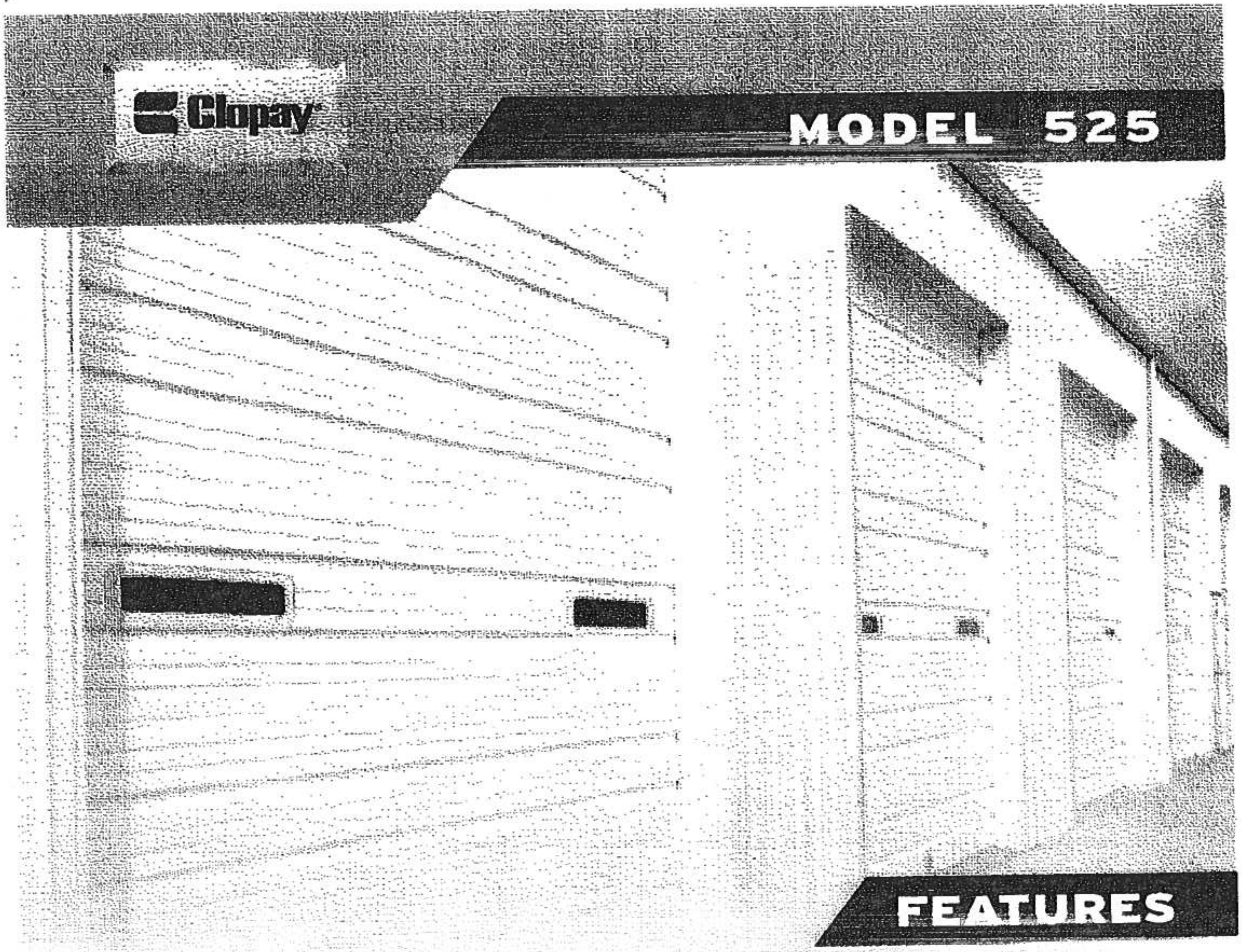
THESE INSTRUCTIONS ARE MINIMUM REQUIREMENTS ONLY, CHECK STATE AND LOCAL CODE RESTRICTIONS FOR ADDITIONAL COMPLIANCE ON INSTALLATION AND OR FASTENING. IF UNIT HAS EXTERIOR TRIM (BRICK MOLD/J CHANNEL, ETC.) THE UNIT MUST BE SEALED BEHIND THE NAIL FIN, THE TRIM IS PROVIDED FOR AESTHETIC PURPOSES ONLY. INSTALLATION INTO MASONRY OR REPLACEMENT OPENINGS MUST BE SEALED TO THE OPENINGS USING AN APPROVED, PROPER METHOD. REFER TO AAMA 2400 AND/OR ASTM E2112 STANDARDS.

THESE INSTALLATION INSTRUCTIONS ARE PROVIDED FOR INFORMATION ONLY, NO REPRESENTATION AND WARRANTY IS MADE THAT THESE INSTRUCTIONS SET FORTH ALL OF THE INFORMATION NECESSARY FOR PROPER INSTALLATION OF THE PRODUCT. GIVEN THE VARIETY OF FIELD CONDITIONS, PRIMARY RESPONSIBILITY FOR PRODUCT INSTALLATION RESTS WITH THE INSTALLER. DO NOT PROCEED UNLESS YOU HAVE ADDRESSED THE FACTORS NECESSARY TO ACHIEVE WEATHER-TIGHT INSTALLATION OF A PROPERLY FUNCTIONING PRODUCT. MI WINDOWS AND DOORS, INC. ASSUMES NO LIABILITY FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE INCURRED IN INSTALLATION. THESE INSTRUCTIONS, TOGETHER WITH THE PRODUCT SPECIFICATIONS AND WARRANTY SET FORTH THE ENTIRE LIABILITY OF MI WINDOWS AND DOORS, INC. WITH REGARD TO THE PRODUCT.



Revised 9 2005

TYPE 1



Model 525-Standard and Model 525S/525V-Insulated

Models 525 and 525S/525V are designed for applications requiring economy and reliability in a commercial door. Steel thickness is .019" min. This is equal to the "nominal" 24 gauge designation used by other door manufacturers.

- 2" thick sectional ribbed door
- Steel skins are hot-dipped galvanized coated with an epoxy primer and finished inside and out with a baked-on white or brown polyester top coat
- Available noninsulated (525) or insulated (525S/525V) with environmentally-safe expanded polystyrene molded to the panel
- Durable rustproof Tog-L-Loc™ construction eliminates rivets and welds
- Many optional window and track configurations available

Rustproof

Panels are prepainted inside and out to inhibit rust. Hot-dipped, galvanized steel is bonded with primer and given a tough oven- [illegible]

Ribbed Panel Design

Year Warranty

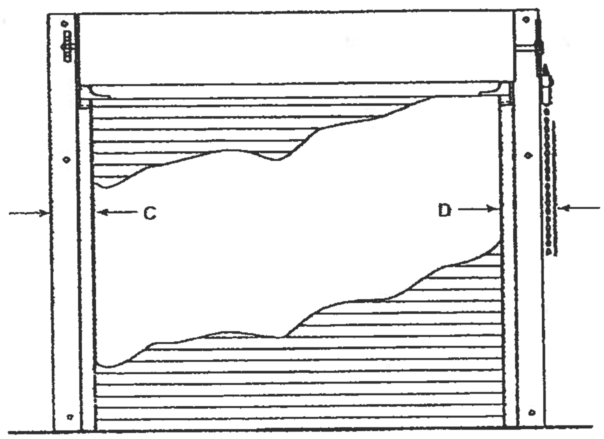
TYPE 2

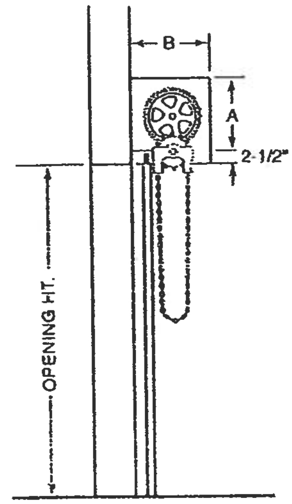
The Cookson Company

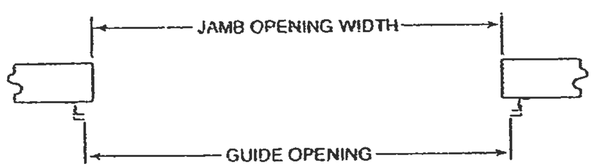
THE PREFERRED ROLLING DOOR

Type FC - Chain Operated Service Door

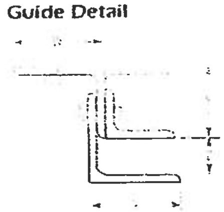
Gray Prime Finish - Face of Wall Mounted



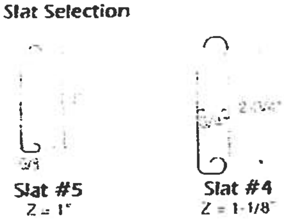




Guide Detail



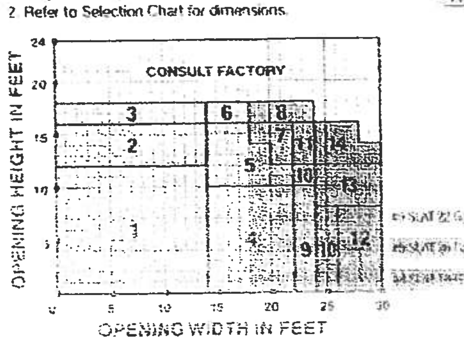
Slat Selection



AREA	COMPONENT DIMENSIONS						
	A	B	C	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.0"	[illegible]
5	15.0"	15.0"	6.0"	2.5"	2.5"	3.0"	2.5"
6	16.0"	17.0"	6.5"	9.5"	[illegible]	3.0"	3.0"
7	15.0"	16.0"	6.5"	9.5"	2.5"	3.0"	4.5"
8	16.0"	18.0"	6.5"	9.5"	2.5"	3.0"	3.0"
9	12.0"	14.0"	6.5"	9.5"	2.5"	3.0"	3.0"
10	15.0"	16.0"	6.5"	9.5"	2.5"	3.0"	3.0"
11	15.0"	16.0"	6.5"	9.5"	2.5"	3.0"	3.0"
12	15.0"	17.0"	6.5"	9.5"	2.5"	3.0"	3.0"
13	18.0"	13.0"	6.5"	9.5"	2.5"	3.0"	3.5"
14	20.0"	21.0"	6.5"	9.5"	3.0"	3.0"	4.0"

Determine Dimensions For Specific Door Size

1. From chart below select proper Area Number for width and height of door.
2. Refer to Selection Chart for dimensions.



Bottom Bar Detail

STANDARD DUTY RIBBED STEEL DOORS

[illegible] by Clopay Building Products Company. Each door is provided as one complete unit including sections, brackets, tracks, counterbalance mechanisms, and hardware [illegible] wide x 18'0" high. 3?0 sq. ft. max.

[illegible] quality (.019" min.)-gauge steel, hot-dipped galvanized per ASTM A-924, A-653, phosphate coated, prepainted with primer and baked-on polyester top coat. Two 1/2" [illegible] section by full 1-3/8". Minimum 18 gauge (.049" min.) end stiles up to 14'2"; over 14'2" [illegible]

Stiles and face panels shall be fastened with a Tog-L-Loc™ joining system. Bottom section reinforced with full-length .040" aluminum astragal retainer. Astragal to be U-shaped flexible PVC vinyl. Meeting rails to form weathertight tongue and groove joint. Combination step plate/lift handle provided for the bottom section.

Finish – Exterior of door to be prefinished with a 3-coat process of a baked-on polyester top coat over primer on a phosphate coating. White or brown standard colors. Interior to have baked-on polyester over primer. One full mil exterior and one half mil interior. FINISH GUARANTEED AGAINST RUST-THROUGH FOR A FULL TEN YEARS.

Hardware – All hinges and brackets to be manufactured of hot-dipped galvanized steel, 14 gauge roller hinges, 18 gauge (14 gauge on 525S/525V) center hinges. Ten ball steel rollers to be full floating in case-hardened steel races, mounted to fit the taper of the track.

Tracks – Vertical tracks to be a minimum of 15 gauge galvanized steel tapered and mounted for wedge type closing. Horizontal tracks to be minimum 14 gauge galvanized steel, reinforced with minimum 13 gauge galvanized angles as required. 2" track.

Spring Counterbalance – Door assembly to be operated by a torsion spring counterbalance mechanism, with a helically wound, oil tempered torsion spring mounted on a galvanized steel tube or solid steel shaft as required. Cable drums are die cast aluminum with high strength galvanized aircraft cable with minimum 7 to 1 safety factor.

Locking – Inside spring loaded slide bolt lock on end stile shall engage slot in track.

Wind Loading – Contact factory for specific wind loading requirements.

OPTIONS

A. Insulation (See chart below) – Maximize energy efficiency with polystyrene insulation. Polyethylene vinyl (525V) or steel backers (525S) on door interior for durability. Polystyrene foam to have fire retardant additive to meet UL [illegible]

B. Glazing – 24" X 6" or 24" x 12" window lite with polypropylene screw together [illegible] available for Model 525S/525V. Prepainted full-view section with white or brown finish available with DSB glass and 1/8" Plexiglas. Consult factory for other options.

C. [illegible]

D. High Cycle Spring – Available in 25,000, 50,000 and 100,000 cycle.

E. [illegible]

F. [illegible]

G. Track – Vertical lift, high lift, follow the roof slope and low headroom track available.

H. Weatherstripping – Complete perimeter seals available in various materials.

I. Installation – Install door including sections, brackets, guides, tracks, etc. in accordance with final shop drawings (if required) and instructions by Clopay Building Products Company.

PANEL & WINDOW ARRANGEMENT

Door Width	Number of Panels	Max Number of Window Lites
Up to 9'2"	2	2
9'4" to 13'2"	3	3
13'4" to 16'2"	4	4
16'4" to 20' 2"	5	5

SECTION ARRANGEMENT

Door Height	Number of Sections
Up to 8'0"	4
8'3" to 10'0"	5
10'3" to 12'0"	6
12'3" to 14'0"	7
14'3" to 16'0"	8

INSULATION OPTIONS

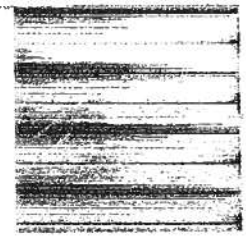
Insulation Model # with Backer Options	Door Type	Section Backing Material Options	Polystyrene Thickness	Section R-Value	Section U-Value
525V	(.019" min.) Gauge Std. Ribbed Steel	Polyethylene vinyl sheet	1-3/8"	6.66	.15
525S		30 gauge prepainted steel	1-3/8"	6.66	.15

DISTRIBUTED BY:

TYPE 3

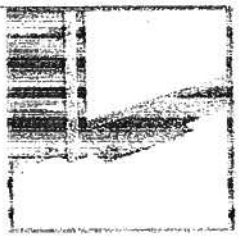
Guides

- 12-gauge galvanized steel guide with 12-gauge windlock bar spot welded to guide
- Polyethylene wear strip
- Bolt on head stop 1/4" plate steel
- 3" deep engagement
- Pre punched for lock and attachment screws



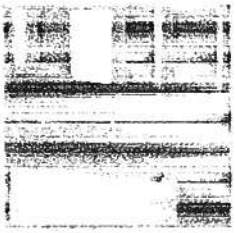
Hardware

- 13-gauge saddle clamps
- 10-gauge slide locks 3 per door
- 16 gauge stop plate 2 per door
- 1/4" steel angle T-bracket



Options

- Chain hoist 4:1 reduction
- Chain hoist 8:1 reduction
- Top draft stop (as pictured)
- Hood (by header size)
- Steel mounting plates
- Electric operator



DBCI Commercial Steel Coiling Roll Up Door Solutions Include:

2500 (2750 Insulated)

- 26-gauge grade 5 steel curtain

2500 (2750 Insulated)

- Aluminum steel angle bottom bar

2500 (2750 Insulated)

- Heavy duty 12-gauge, three-inch deep guides
- 16-gauge steel slat interlock
- Width up to 40 feet

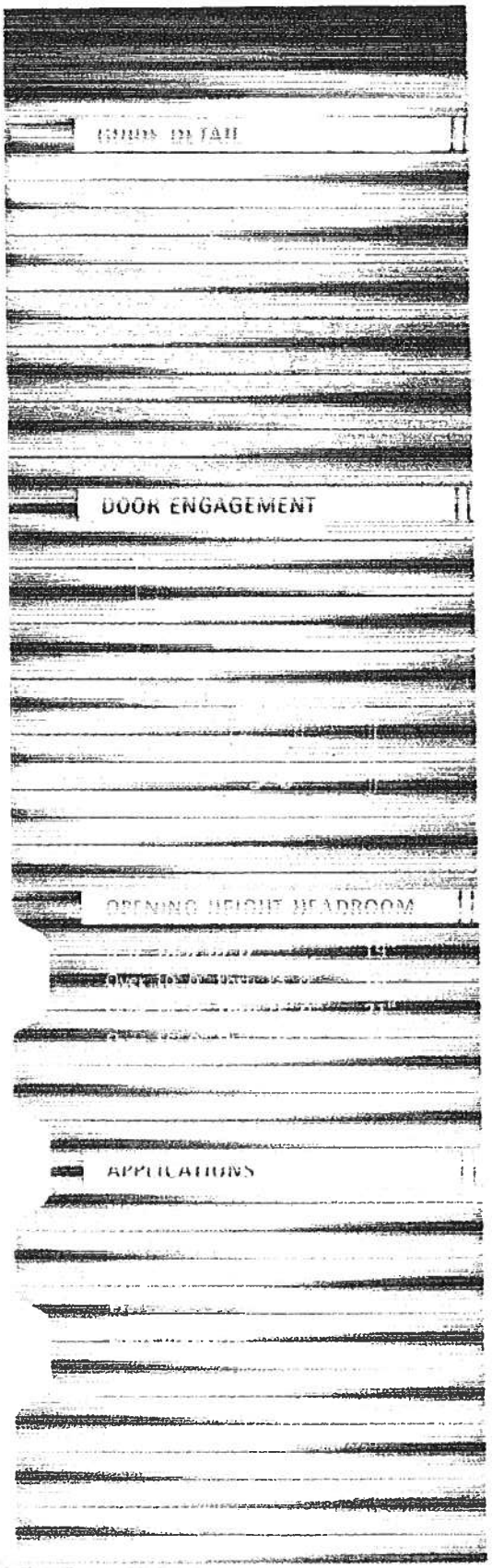
4000 Series

- 24-gauge curtain

5100 Series

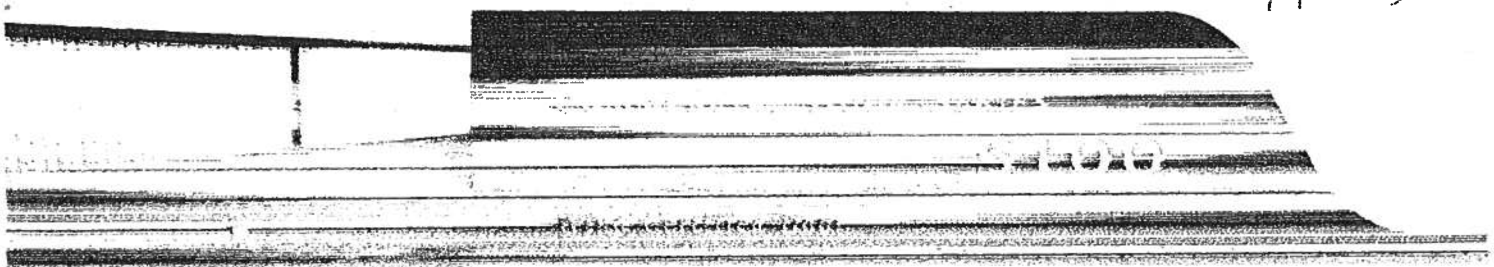
- Width constructed up to 40' wide

*CONTACT A DBCI SALES REPRESENTATIVE FOR A DETAILED DRAWING.

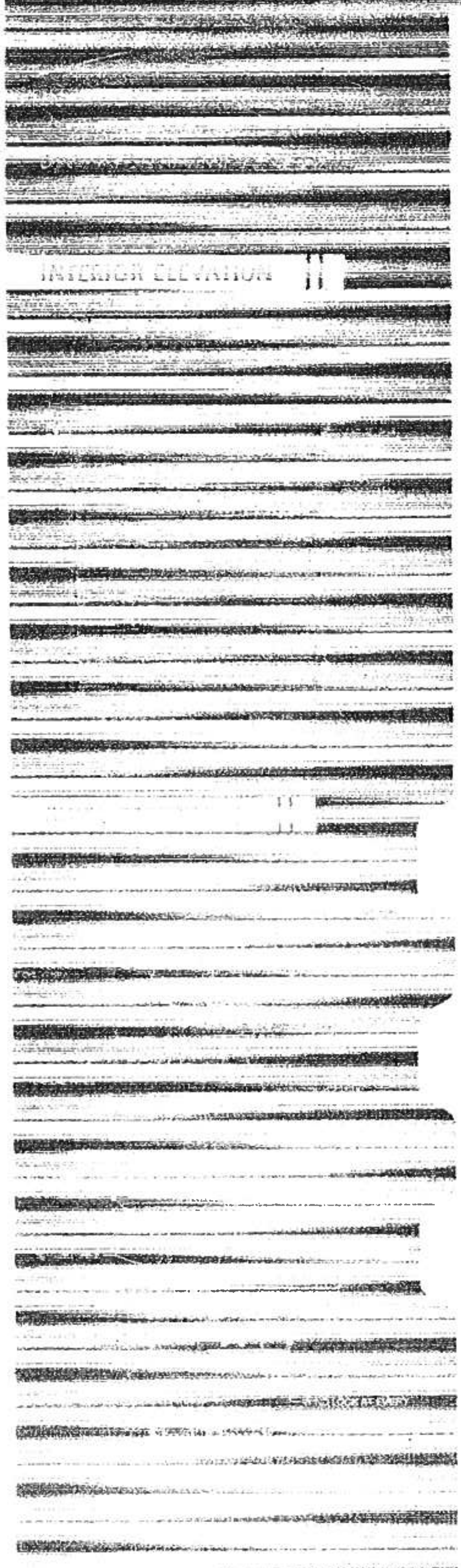


DBCI • Doors And Building Components, Inc.
800-[illegible] • dbci-sales@dbci.com • website: www.dbci.com

TYPE 3



INTERIOR ELEVATION



General Description

- Designed to meet stringent building codes in Coastal Regions and Florida
- Utilizes 12" drums
- Limited maximum size of 18' x 18'
- Deep engagement guides and windlocks for stronger/better performances

Approximated MPH Certification

- 10' wide = (150mph)
- 12' wide = (150mph)
- 14' wide = (146mph)
- 16' wide = (140mph)

*For actual test results contact DBCI Commercial Sales at 800.542.0501

Curtain

- 26-gauge galvanized
- Grade E hard steel
- [illegible]
- [illegible]
- [illegible] polyester [illegible] paint over prime coat
- Wash coat over primer interior side
- 25-year film integrity warranty - up to 25-year chalk and fade
- Improved flexible wear strips

[illegible]

- [illegible] aluminum extrusion
- 2" x 1 1/2" galvanized angles with stiffeners
- Bulb astragal (durometer 75)
- Stainless steel nuts and bolts

[illegible]

- 1 1/16" O.D. steel axle, 14-gauge (11-gauge on doors 15'6" and larger)
- Oil tempered torsion springs
- 16-gauge drums 12" diameter galvanized
- [illegible]
- [illegible]

Type FC - Chain Operated Service Door

Gray Prime Finish - Face of Wall Mounted

1.0 GENERAL

1.1 Summary

A. All Rolling Service Doors shall be as manufactured by The Cookson Company, Phoenix, Arizona. Furnished materials shall include all curtains, bottom bars, guides, brackets, hoods, operating mechanisms and any special features.

B. Work not to be included by The Cookson Company includes design of, material for, and preparation of door openings but not limited to structural or miscellaneous iron work, access [illegible]

1.2 Quality Assurance

A. [illegible] Windlocks shall be installed on doors over 14' 1" wide.

B. All rolling service doors shall be designed to a standard maximum of 25 cycles per day and an overall maximum of 50,000 operating cycles for the life of the door.

2.0 PRODUCTS

2.1 Materials

A. The door curtain shall be constructed of interconnected strip steel slats conforming to ASTM A-653. The proper gauge of steel shall be chosen as follows:

1. 22 gauge with a No. 5 (measuring 2-1/4" high by 5/8" deep) flat slat as designated by The Cookson Company if the door width does not exceed 18'4" and the door height does not exceed 18'4".
2. 20 gauge with a No. 5 flat slat as designated by The Cookson Company if the door width is between 18'5" and 24'4" and the door height does not exceed 18'4".
3. 18 gauge No. 4 (measuring 2-3/4" high by 3/4" deep) flat slat as designated by The Cookson Company if the door width exceeds 24'4" and the door height does not exceed 18'4".

B. The finish on the door curtain shall be Cookson FinalCote consisting of the following:

1. [illegible] A-653
2. [illegible]
3. Thermosetting gray polyester top coat with a minimum [illegible]

[illegible] The finish on the bottom bar shall be one (1) coat of bronze rust-inhibiting prime paint.

D. The guides shall consist of 3 steel angles bolted together with 3/8" fasteners to form a channel for the curtain to travel. The wall angle portion shall be continuous and fastened to the surrounding structure with either minimum 1/2" fasteners or welds, both on 36" centers. The finish on the guide angles shall be one (1) coat of bronze rust-inhibiting prime paint.

E. The brackets shall be constructed of steel not less than [illegible] fasteners. The finish on the brackets shall be one (1) coat of [illegible]

F. All gears shall be cast iron with teeth cast from machine cut [illegible] effort of not more than 30 pounds.

G. The barrel shall be steel tubing of not less than 4" in diameter. Oil tempered torsion springs shall be capable of correctly counter balancing the weight of the curtain. The barrel shall be designed to limit the maximum deflection to .03" per foot of opening width. The springs shall be adjusted by means of an exterior wheel. The finish on the barrel shall be one (1) coat of bronze rust-inhibiting prime paint.

H. The hood shall be fabricated from 24 gauge galvanized steel and shall be formed to fit the curvature of the brackets. The finish on the hood shall be the Cookson FinalCote finish as indicated in the curtain section.

2.2 Operation

A. Chain operated doors shall open and close with a maximum of 30 pounds of effort utilizing an endless chain and cast iron reduction gears.

2.3 Locking Mechanisms

A. The chain door shall be secured by means of a chain lock.

3.0 EXECUTION

3.1 Installation

A. All Cookson Rolling Service Doors shall be installed by an [illegible]

3.2 Warranty

A. All Cookson Rolling Service Doors shall be warranted for a period of [illegible] workmanship and materials.

MIAMI-DADE
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Therma-Tru Corp.
1687 Woodlands Drive
Maumee, OH 43537

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Construction Series" 6'8 Outswing Opaque Steel Door w & wo sidelites

APPROVAL DOCUMENT: Drawing No. **S-2110**, titled ""Construction Series" 6-8 Single & Double Out-swing Steel Door", sheets 1 through 8, prepared by RW Building Consultants, Inc., dated 03/28/01 with revision #1 dated 3/12/03, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA consists of this page 1 as well as approval document mentioned above.
The submitted documentation was reviewed by **Manuel Perez, P. E.**

Therma-Tru Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA)

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **S-2110**, titled ""Construction Series" 6-8 Single & Double Out-swing Steel Door", sheets 1 through 8, dated 6/12/02, with revision #1 dated 3/12/03, prepared by RW Building Consultants, Inc.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
   2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
   3) Water Resistance Test, per SFBC, PA 202-94
   4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
   5) Large Missile Impact Test per SFBC, PA 201-94
   6) Cyclic Wind Pressure Loading per SFBC, PA 203-94
   along with marked-up drawings and installation diagram of a double opaque door with sidelites, prepared by ETC Laboratories, Test Report No. **ETC-01-741-11004.0**, dated 7/6/01, signed and sealed by Joseph Dolden, P.E.
2. Test reports on 1) Air Infiltration Test, per SFBC, PA 202-94
   2) Uniform Static Air Pressure Test, Loading per SFBC PA 202-94
   3) Water Resistance Test, per SFBC, PA 202-94
   4) Forced Entry Test, per SFBC 3603.2 (b) and PA 202-94
   5) Large Missile Impact Test per SFBC, PA 201-94
   6) Cyclic Wind Pressure Loading per SFBC, PA 203-94
   along with marked-up drawings and installation diagram of a double opaque door with sidelites, prepared by ETC Laboratories, Test Report No. **ETC-01-741-10622.0**, dated 3/23/01, signed and sealed by Joseph Dolden, P.E.

C. CALCULATIONS

1. Anchor Calculations and structural analysis, prepared by Lyndon Schmidt, P.E., dated 8/18/01, signed and sealed by Lyndon Schmidt, P.E.

D. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **01-1120.08** issued to Therma-Tru Corporation for "Therma-Tru Series "BTS, TCM, PVC, SMC" Lite Frame" dated 1/18/02, expiring on 1/18/07.
2. Tensile Test of Constructon Series Steel Door Skin, prepared by ETC Laboratories, Test Report No. ETC-01-741-10622.0, dated 3/28/01, signed and sealed by Joseph Dolden, P.E., Tensile Test of Non Foam Plastic, prepared by ETC Laboratories, Test Report No. ETC-01-741-11075.0, dated 3/2/01, signed and sealed by Joseph Dolden, P.E., Surface Burning Characteristics of Building Materials, **ASTM E84-00a,** prepared by Omega Point Laboratories, Test Report No. 15427-107362, dated 8/28/00, signed and sealed by John Dougherty, P.E.

Manuel Perez, P.E.
Product Control Examiner
NOA No 01-0828.10
Expiration Date: May 1, 2008
Approval Date: May 1, 2003

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED
(For File ONLY. Not part of NOA)

E. STATEMENTS

1. Statement letter of conformance, dated 8/23/01, signed and sealed by Lyndon Schmidt, P.E.
2. Statement letter of no financial interest, dated 8/18/01, signed and sealed by Lyndon Schmidt, P.E.
3. Statement letter naming Mr. Rick Wright as their representative and contact person, signed by Steve Kepler

F. OTHER

1. Letter for San Martin Associates, Inc.

Manuel Perez, P. E.
Product Control Examiner
NOA No 01-0828.10
Expiration Date: May 1, 2008
Approval Date: May 1, 2003

THERMA-TRU®

"CONSTRUCTION SERIES" OUTSWING 6-8 SINGLE AND DOUBLE W/& W/OUT SIDELITES. INSULATED STEEL DOOR WITH WOOD FRAMES.

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO COMPLY WITH THE FLORIDA BUILDING CODE.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. DESIGNED PRESSURE RATING SEE TABLE PAGE 1.
5. THIS PRODUCT MEETS THE WATER REQUIREMENTS FOR "HIGH VELOCITY HURRICANE ZONES" AREA WITH THE USE OF THE HIGH DAM BUMP THRESHOLD.
6. WHEN THIS PRODUCT IS USED IN AREAS REQUIRING WINDBORNE DEBRIS PROTECTION, FLORIDA BUILDING CODE APPROVED IMPACT RESISTANT SHUTTERS ARE REQUIRED FOR THE SIDELITES ONLY.
7. SIDELITES ARE AN OPTION AND CAN BE USED IN A SINGLE OR DOUBLE CONFIGURATION.

INSULATED STEEL DOOR

(Common to all frame conditions)

Door & Sidelite Panel Construction:

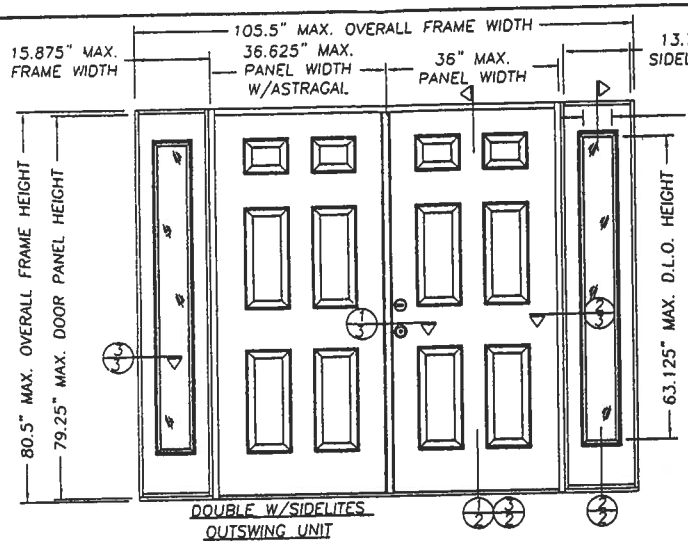
Face sheets: Door Panel is 25 ga.(0.018") minimum thickness Sidelite Panel face sheets are 24 ga.(0.021") minimum thickness Galvanized steel A-525 commercial quality - AKDQ per ASTM 620 with yield strength Fy(min.)=27,830 psi

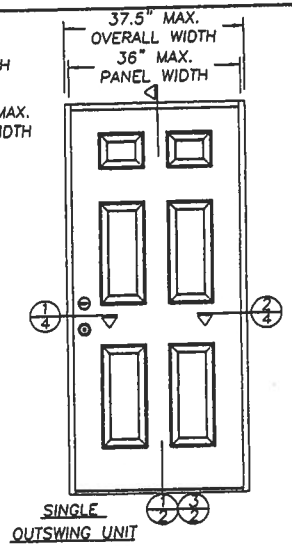
Core design: Polyurethane foam core, with 1.9 lbs. density by BASF.

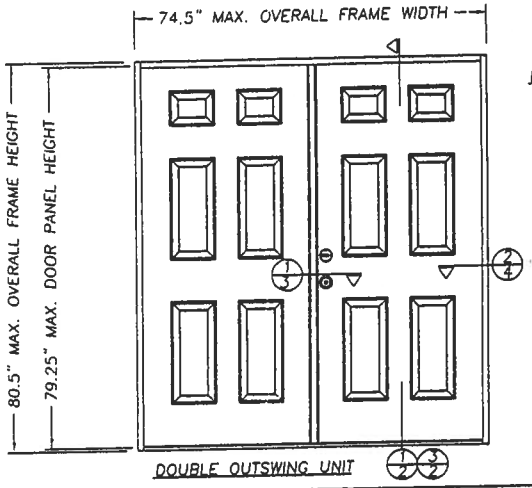
Door Panel Construction: Flush or embossed type. The vertical edges of the skin, rolled formed to provide a mechanical interlock with finger jointed pine stiles. Wood end rails are butt jointed and pressure fitted with contact cement to the wood stiles at the corners.

Sidelite Panel Construction and Glazing: The vertical edges of the skin are rolled formed to provide a mechanical interlock with finger jointed pine stiles. The end rails are butt joined to the wood stiles at the corners. The sidelite panels are sandwich glazed using a two piece lite frame.

Frame Construction: The frame is constructed from finger jointed Ponderosa Pine measuring 4.656" wide x 1.25" thick. The header is joined to the side jambs with (3) 16ga. 1/2" crown x 2" long staples at each side. The threshold is joined to the side jambs with (2) 16ga. 1/2" crown x 2.5" long staples at each side. The mullions are secured together in a sidelite application using #8 x 2 1/2" long PFH Wood Screws (6) screws per each mullion. The unit uses an Outswing Bumpface threshold, either Low Profile or High Water Dam.







ALL MODELS ARE VIEWED FROM INTERIOR

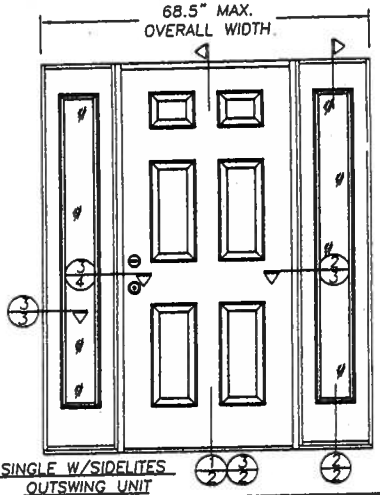


TABLE OF CONTENTS

DESIGN PRESSURE RATING

UNIT TYPE	W/ HIGH DAM THRESHOLD	W/ LOW PROFILE THRESHOLD
SINGLE	+ 67.0 PSF - 67.0 PSF	+ 55.0 PSF - 67.0 PSF
SINGLE W/SIDELITES	+ 60.0 PSF - 60.0 PSF	+ 55.0 PSF - 60.0 PSF
DOUBLE	+ 60.0 PSF - 60.0 PSF	NOT APPROVED
DOUBLE W/SIDELITES	+ 60.0 PSF - 60.0 PSF	NOT APPROVED

Approved as complying with the Florida Building Code
Date MAY 1, 2003
NOA# 01-0828.10
Miami Dade Product Control Division
By Manuel Perez

THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE
MAUMEE, OHIO 43537
PHONE 800.537.8827

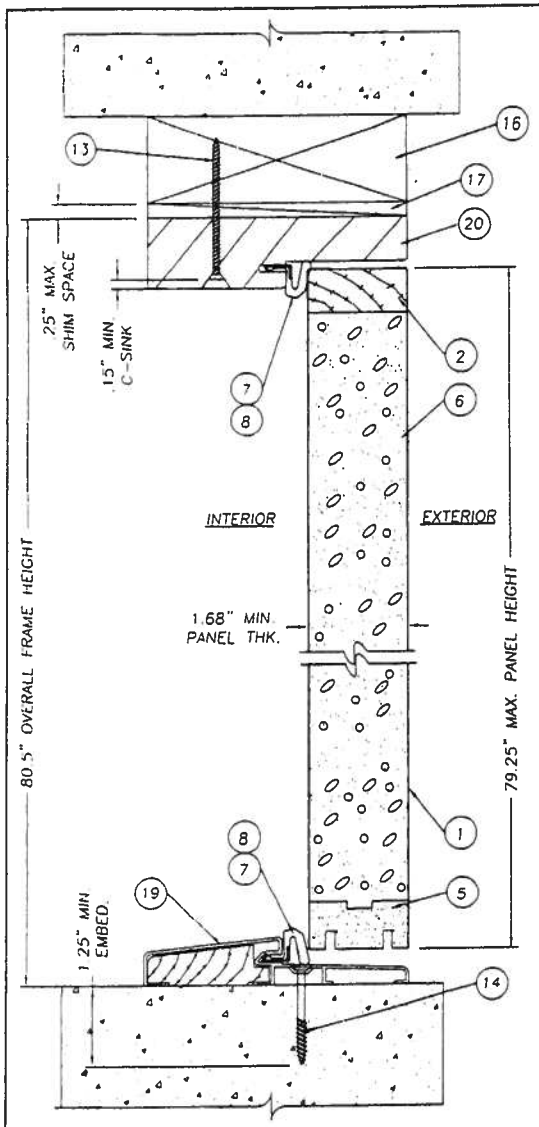
PRODUCT: "CONSTRUCTION SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR

PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES

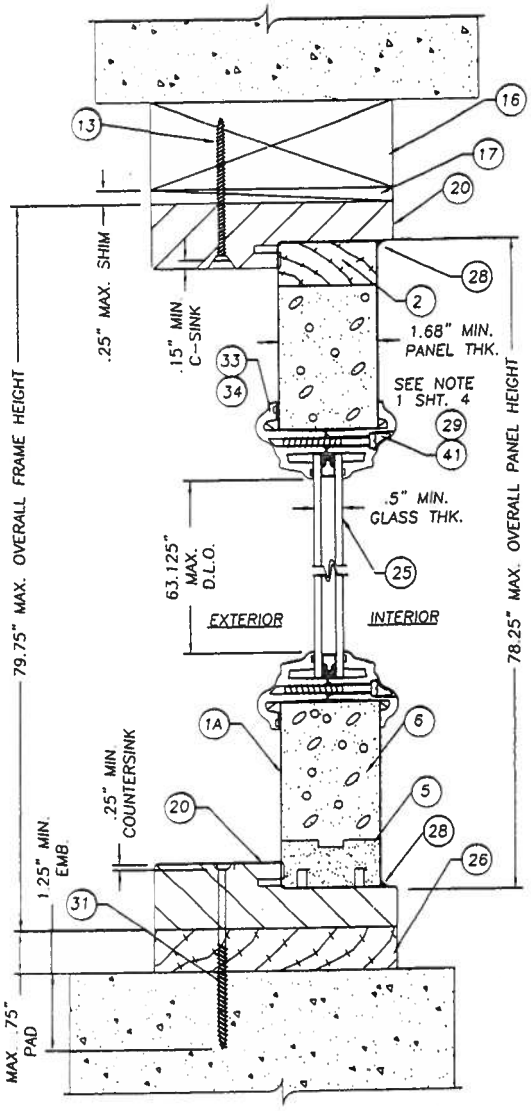
NO	DATE	REVISIONS	BY
1	3/12/03	GENERAL REVISION	RW

RW BUILDING CONSULTANTS, INC.
813.659.9197

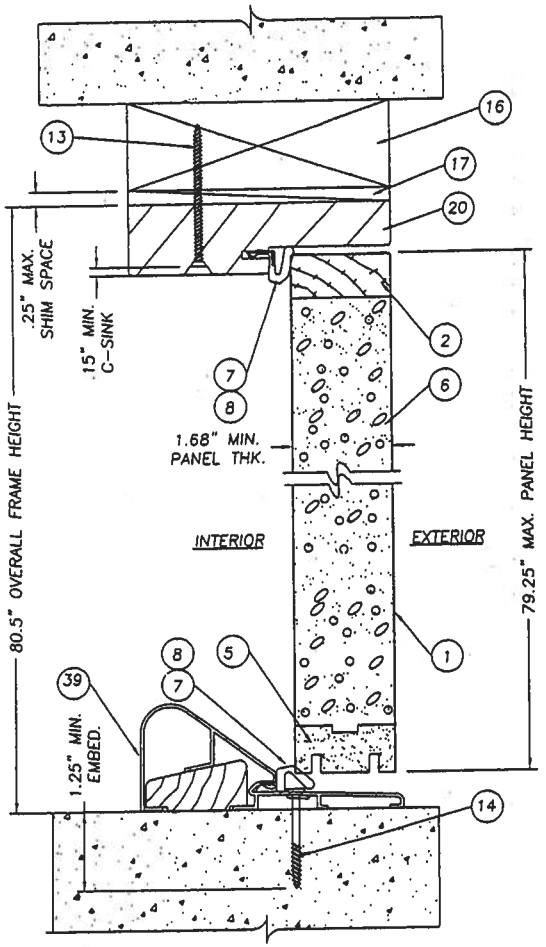
DATE: 03/28/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2110
SHEET 1 OF 8



1/2 VERTICAL CROSS SECTION
DOOR PANEL W/ LOW PROFILE THRESHOLD
(SEE DESIGN PRESSURE TABLE SHEET 1)



2/2 VERTICAL CROSS SECTION
SIDELITE PANEL



3/2 VERTICAL CROSS SECTION
DOOR PANEL W/ HIGH DAM
(SEE DESIGN PRESSURE TABLE SHEET 1)

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PART OR ASSEMBLY: VERTICAL CROSS SECTIONS

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813.659.9197

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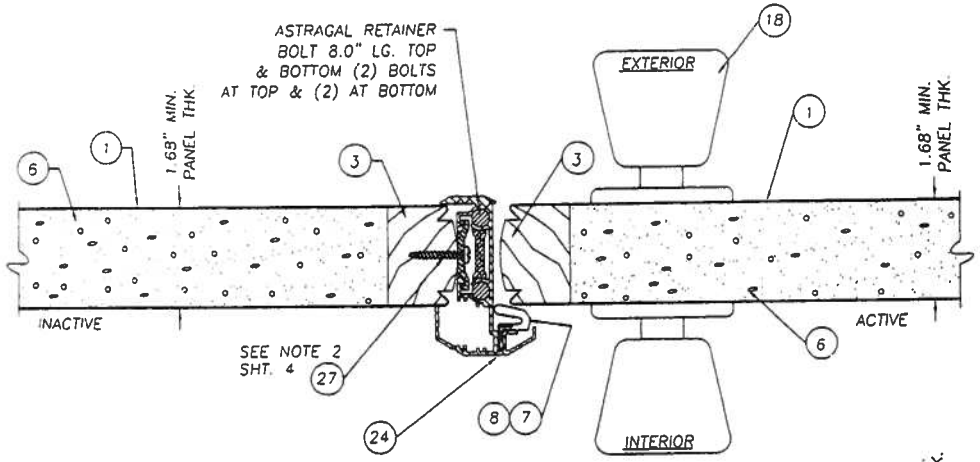
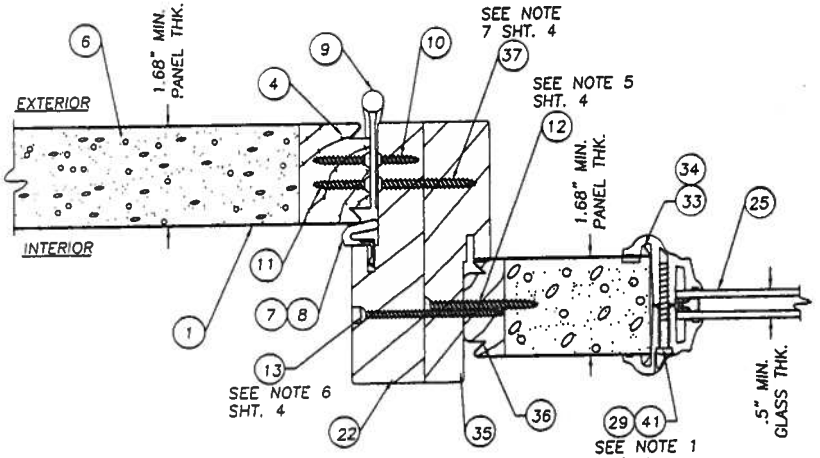
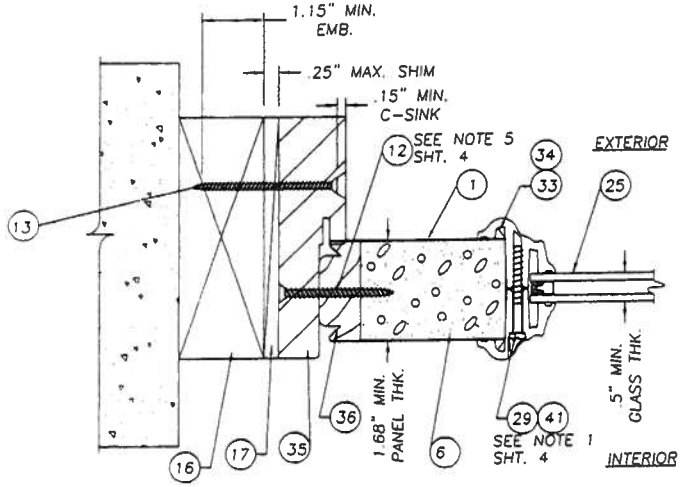
SHEET 2 OF 8



1/3 HORIZONTAL CROSS SECTION @ ASTRAGAL



2/3 HORIZONTAL CROSS SECTION @ HINGE JAMB TO SIDELITE



3/3 HORIZONTAL CROSS SECTION @ SIDELITE TO BUCK

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PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS

NO	DATE	REVISIONS	BY
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RW BUILDING CONSULTANTS, INC. 813.659.9197

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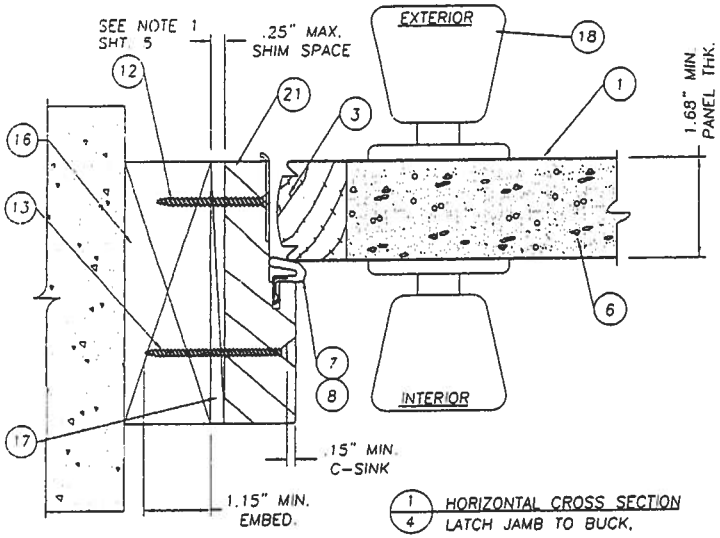
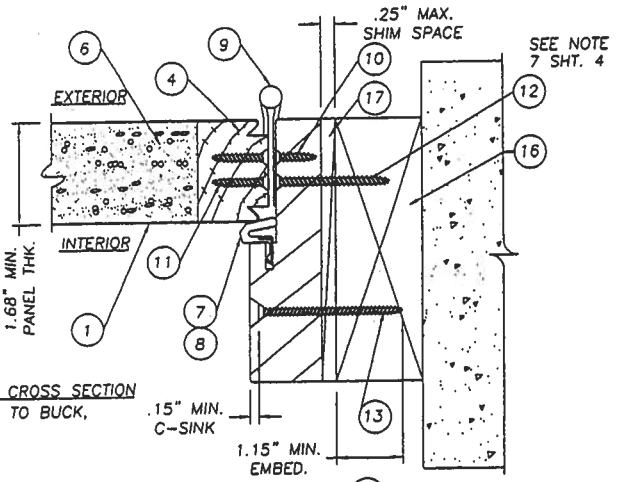
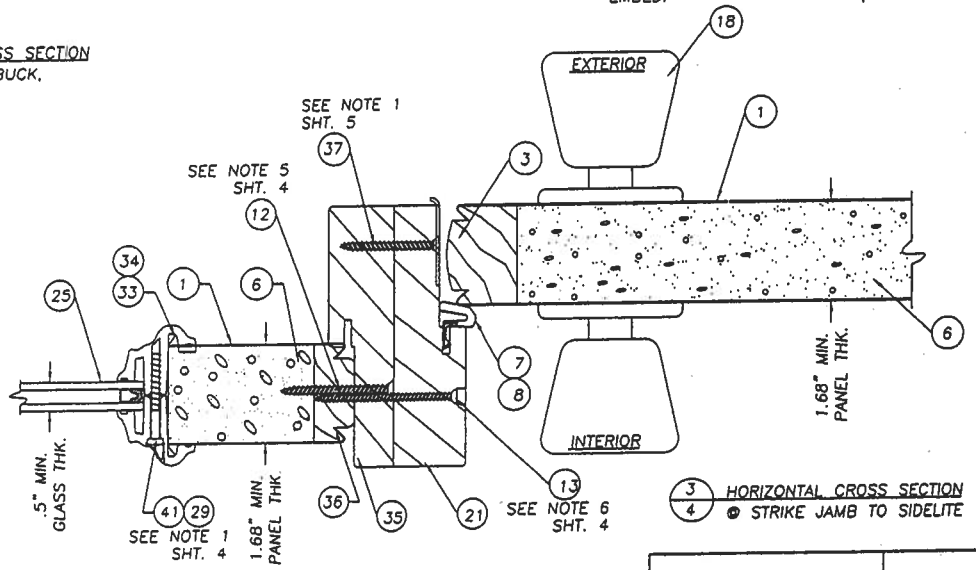
DRAWING NO.: S-2110
SHEET 3 OF 8



1/4 HORIZONTAL CROSS SECTION
LATCH JAMB TO BUCK.



2/4 HORIZONTAL CROSS SECTION
HINGE JAMB TO BUCK,



3/4 HORIZONTAL CROSS SECTION
@ STRIKE JAMB TO SIDELITE

NOTES:

1. SPACING FOR ITEM #29 & #41 (LITE FRAME SCREWS) IS AS FOLLOWS: FROM THE TOP DOWN ON SIDES; 3", 14.75", 26.5", 38.25", 50.5" & 62.25". THERE IS (1) SCREW BOTH TOP AND BOTTOM AT 4.25" IN FROM CORNER.
2. SPACING FOR ITEM #27 #8 x 1" PANHEAD SCREW ATTACHING THE ASTRAGAL TO THE INACTIVE DOOR IS AS FOLLOWS: FROM THE TOP DOWN 1", 3", 5", 18.25", 40.5", 59.25", 74.25", 76.25" AND 78.25".
3. THE HEAD JAMB IS ATTACHED TO THE SIDE JAMBS WITH (3) 16GA. x 1/2" CROWN x 2" STAPLES AT BOTH SIDE.
4. THE THRESHOLD IS ATTACHED TO THE SIDE JAMBS WITH (2) 16GA. x 1/2" CROWN x 2.5" STAPLES AT BOTH SIDE.
5. THE SIDELITE IS DIRECT SET INTO THE JAMB WITH ITEM #12 #10 x 2" PH.F.H. WOOD SCREW AT 6" DOWN FROM EACH CORNER AND A MAX. OF 12" O.C. ON THE SIDE JAMBS ONLY.
6. SPACING FOR ITEM #13, A #8 x 2 1/2" SCREW SECURING THE MULLIONS TOGETHER IS THE SAME AS THE PERIMETER ANCHORING SCREWS. 6" DOWN FROM THE TOP AND UP FROM THE BOTTOM WITH (4) MORE SPACED AT 13.7" O.C.
7. WHEN ATTACHING THE HINGE TO THE JAMB AND THE BUCK USE ITEM #12 A #10 x 2" SCREW. WHEN ATTACHING THE HINGE TO THE JAMB AND THE SIDELITE AT THE MULLION USE ITEM #37 A #10 x 1 3/4" SCREW.

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PRODUCT: "CONSTRUCTION SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR

PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS & NOTES

NO	DATE	REVISIONS	BY
1	3/12/03	GENERAL REVISION	RW

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813.659.9197

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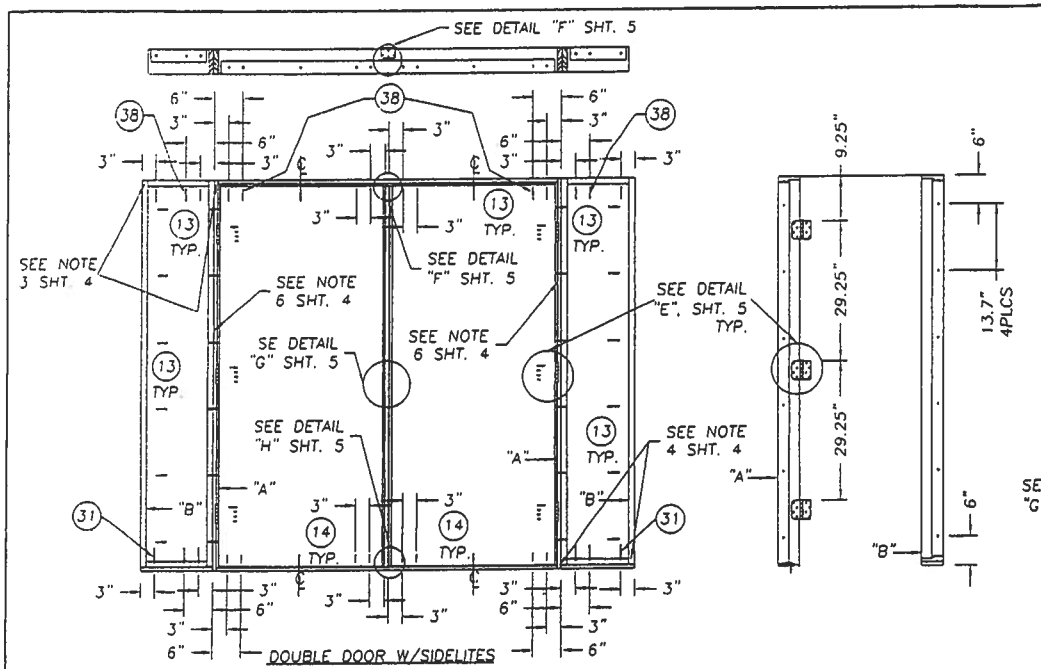
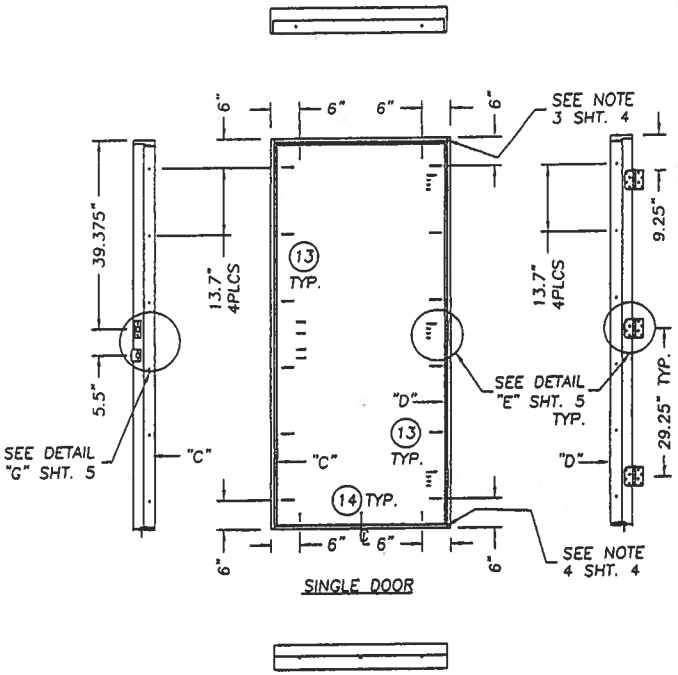
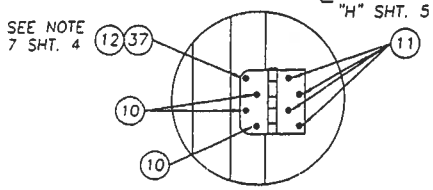
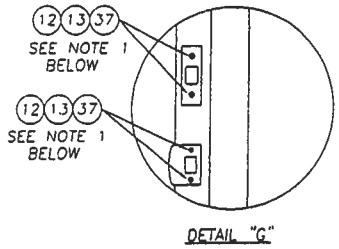
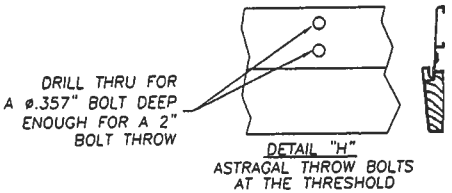
SHEET 4 OF 8

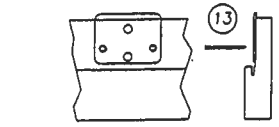












NOTE:
1. WHEN ATTACHING THE STRIKE & DEADBOLT PLATES TO THE STRIKE JAMB AND BUCK USE A #10 x 2" SCREW. WHEN ATTACHING THE STRIKE & DEADBOLT PLATES TO THE ASTRAGAL USE A #8 x 2 1/2' SCREW. WHEN ATTACHING THE STRIKE & DEADBOLT PLATES TO THE STRIKE JAMB AND SIDELITE JAMB USE A #10 x 1 3/4" SCREW.

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PRODUCT: "CONSTRUCTION SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

NO.	DATE	REVISIONS	BY
1	3/12/03	GENERAL REVISION	RW

RW BUILDING CONSULTANTS, INC.
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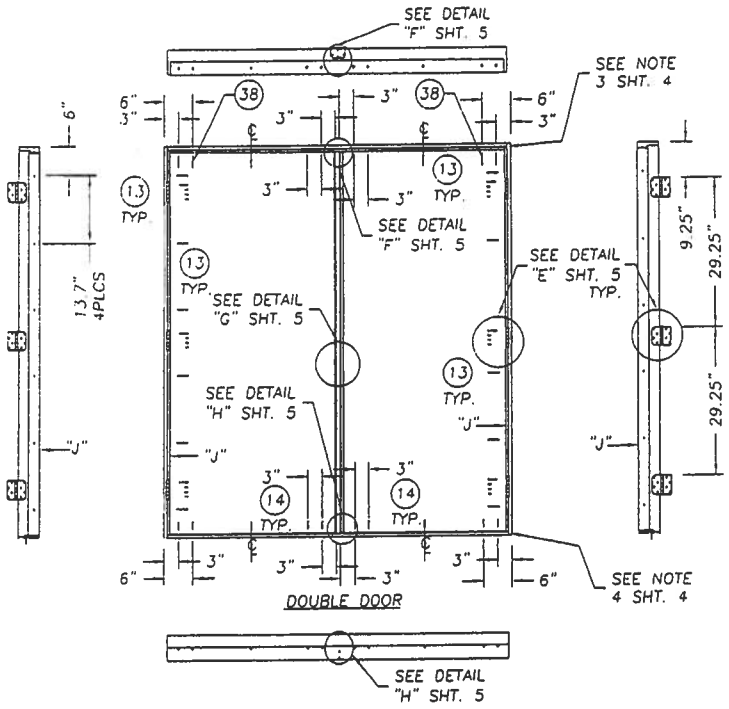
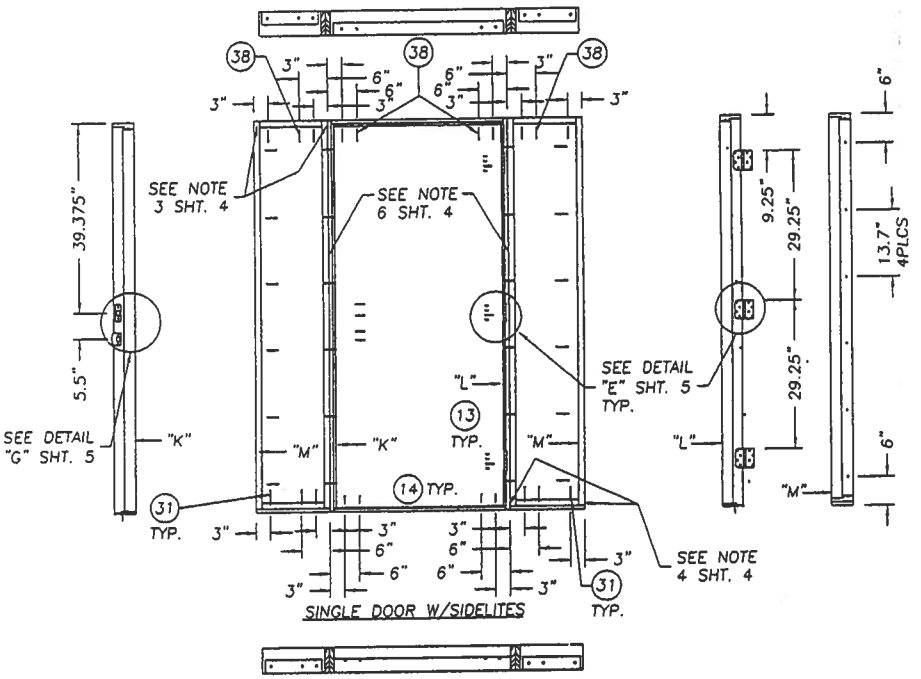
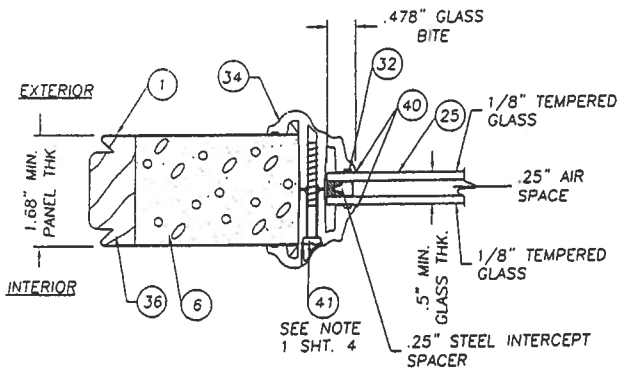
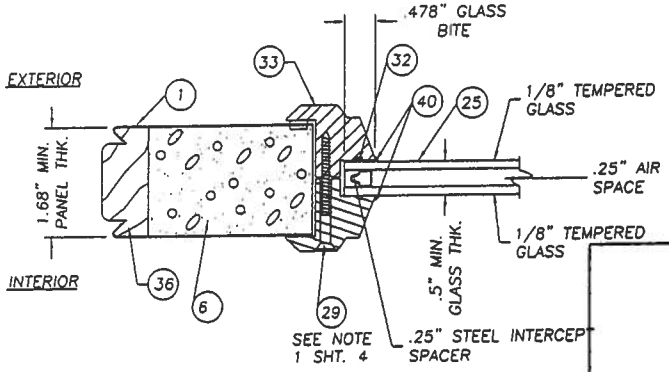
SHEET 5 OF 8







.5" INSULATED GLASS W/ BTS LITE FRAME GLAZING DETAIL



.5" INSULATED GLASS W/ PVC LITE FRAME GLAZING DETAIL

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PART OR ASSEMBLY: ANCHORING LOCATIONS & GLAZING DETAILS

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1	3/12/03	GENERAL REVISION	RW

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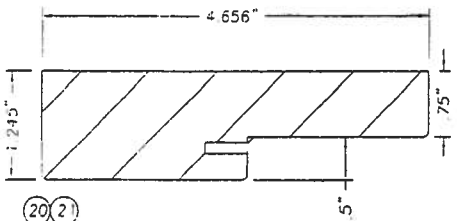
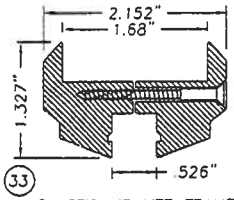
SHEET 6 OF 8



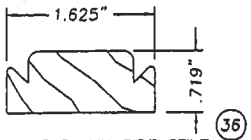
20 21 22 35

WOOD FRAME
FINGER JOINTED PONDEROSA PINE



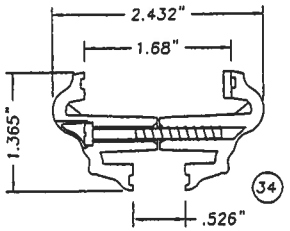
33

PLASTIC LIP LITE FRAME
EXTRUDED PVC



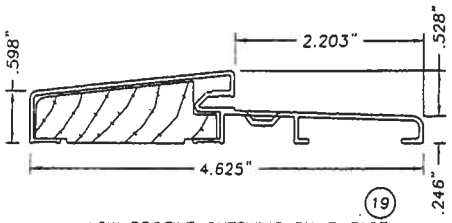
36

SIDELITE BLANK SIDE STILE
FINGER JOINTED PONDEROSA PINE



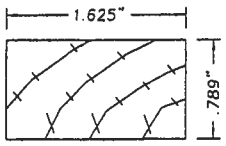
34

BTS PLASTIC LIP LITE FRAME
EXTRUDED BTS



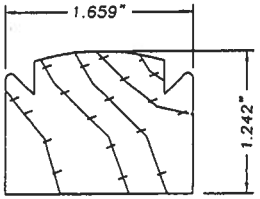
19

LOW PROFILE OUTSWING BUMP FACE
ALUMINUM/WOOD THRESHOLD
050" WALL TYP.



2

TOP RAIL
FINGER JOINTED PONDEROSA PINE



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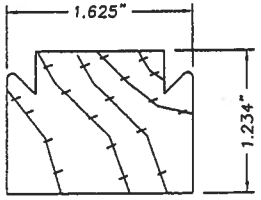
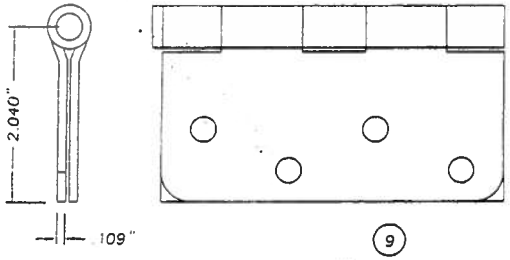
WOOD LATCH SIDE STILE

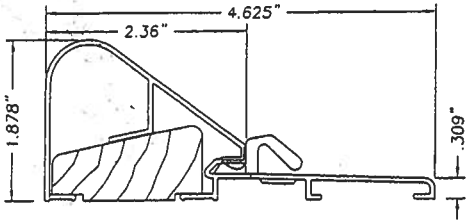


WOOD HINGE SIDE STILE 4



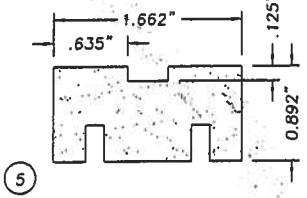
9

4 x 4 STEEL DOOR HINGE



39

HIGH DAM THRESHOLD
MIN. ALUMINUM WALL THICKNESS 0.050"



5

BOTTOM RAIL, WOOD COMPOSITE

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PART OR ASSEMBLY: UNIT COMPONENTS

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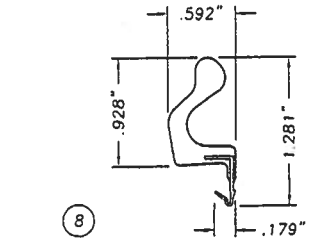
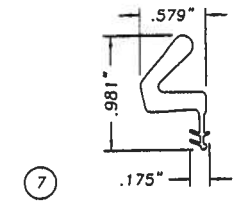
SHEET 7 OF 8

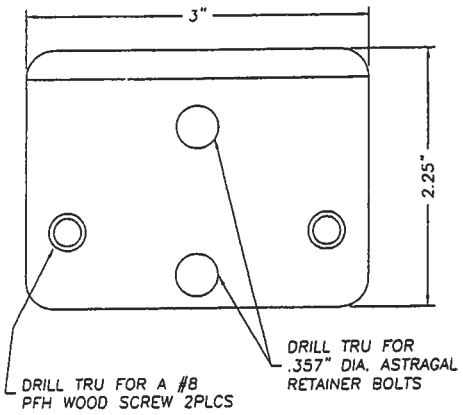
Item	DESCRIPTION	Material
1	DOOR SKIN; CONSTRUCTION SERIES 25GA. (.018" MIN.)	STEEL
1A	SIDELITE SKIN; 24 GA. (.021" MIN.)	STEEL
2	TOP RAIL (1.628" x .851" THERMA-TRU PONDEROSA PINE)	WOOD
3	LATCH STILE (THERMA-TRU, PONDEROSA PINE 1.659" x 1.242")	WOOD
4	HINGE STILE (THERMA-TRU, PONDEROSA PINE 1.625" x 1.234")	WOOD
5	BOTTOM RAIL (1.662" x .892" THERMA-TRU WOOD COMPOSITE)	WOOD COMPOSITE
6	POLYURETHANE FOAM (BASF, 1.9lbs. DENSITY)	FOAM
7	SHORT REACH COMPRESSION WEATHERSTRIP (THREMA-TRU)	FOAM
8	LONG REACH COMPRESSION WEATHERSTRIP (THREMA-TRU)	FOAM
9	4" x 4" HINGE .097" THK. (THERMA-TRU)	STEEL
10	#10 x 3/4" lg. PFH WOOD SCREW (Hinge to Frame)	STEEL
11	#10 x 1" LG. PFH WOOD SCREW	STEEL
12	#10 x 2" LG. PFH WOOD SCREW	STEEL
13	#8 x 2 1/2" LG. PFH WOOD SCREW	STEEL
14	3/16" TAPCON ANCHOR (ELCO, 1.75" MIN. LG.)	STEEL
15	NOT USED	–
16	2x WOOD BUCK	WOOD
17	MAX. 1/4" SHIM MATERIAL	WOOD
18	KWIKSET TITAN 700 SERIES PASSAGE LOCK	–
19	ONE PIECE BUMP FACE THRESHOLD LOW PROFILE (THERMA-TRU)	ALUM./WOOD
20	4.656" HEADER (THERMA-TRU, PONDEROSA PINE)	WOOD
21	4.656" STRIKE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
22	4.656" HINGE JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
23	KWIKSET TITAN 700 SERIES DEADBOLT	–
24	ASTRAGAL WINDJAMBER II WR68T (.052" WALL)	ALUM.
25	GLAZING, 1/2" INSULATED TEMPERED GLASS	GLASS
26	3/4" THK. PRESSURE TREATED SIDELITE PAD	WOOD
27	#8 x 1" LG. PANHEAD SHEET METAL SCREW	STEEL
28	CAULKING	LATEX
29	#6-18 x 1 3/4" PHILLIPS FLATHEAD SCREW (FOR ITEM #33)	STEEL
30	NOT USED	–
31	3/16" TAPCON ANCHOR (ELCO, 3.25" MIN. LG.)	STEEL
32	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE)	–
33	PLASTIC LIP LITE FRAME (PVC, THERMA-TRU)	PVC
34	PLASTIC LIP LITE FRAME (BTS, THERMA-TRU)	BTS
35	4.656" BLANK JAMB (THERMA-TRU, PONDEROSA PINE)	WOOD
36	SIDELITE SIDE STILE (THERMA-TRU, 1.625" x .719" PONDEROSA PINE)	WOOD
37	#10 x 1 3/4" LG. PFH WOOD SCREW	STEEL
38	#10 X 3.0" LG PFH WOOD SCREW	STEEL
39	HIGH WATER DAM THRESHOLD (THERMA-TRU)	ALUM.
40	SILICONE CAULK	SILICONE
41	#8-10 x 1 1/2" PLASCREW (FOR ITEM #34)	STEEL



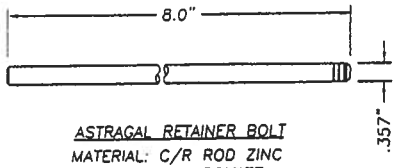
(8) LONG REACH COMPRESSION WEATHERSTRIP
FOAM CELL CORE W/VINYL JACKET



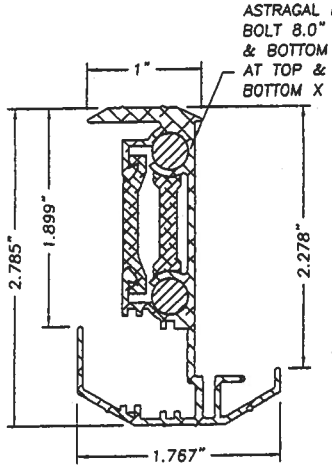
(7) COMPRESSION WEATHERSTRIP
BY THERMA-TRU
FOAM CELL CORE W/VINYL JACKET



WINDJAMBER II WR68T STRIKE PLATE



ASTRAGAL RETAINER BOLT
MATERIAL: C/R ROD ZINC
& YELLOW CHROMATE



(24) WINDJAMBER II WR68T
ASTRAGAL (ALUMINUM .052" WALL TYP.)

Approved as complying with the Florida Building Code
Date MAY 1, 2003
NOA# 01-0828.10
Miami Dade Product Control Division
By

THERMA-TRU CORPORATION
1687 WOODLANDS DRIVE
MAUMEE, OHIO 43537
PHONE 800.537.8827

PRODUCT: "CONSTRUCTION SERIES" 6-8 SINGLE & DOUBLE OUT-SWING STEEL DOOR

PART OR ASSEMBLY: BILL OF MATERIALS & UNIT COMPONENTS

NO.	DATE	REVISIONS	BY
1	3/12/03	GENERAL REVISION	RW

RW BUILDING CONSULTANTS, INC.
813.659.9197

DATE: 03/28/01
SCALE: N.T.S.
DWG. BY: TJH
CHK. BY: RW
DRAWING NO.: S-2110
SHEET 8 OF 8

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

February 1, 2006

Simque Construction
P. O. Box 2962
Lake City, Florida 32056

Attention: David Simque

Reference: Geotechnical Investigation
Proposed Building Expansion
Hub City Industrial Supply
Columbia County, Florida
Cal-Tech Project No. 06-064

Dear Mr. Simque,

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation of the site for a building expansion at Hub City Industrial Supply in Columbia County, Florida. Our work was performed in conjunction with and authorized by you.

Introduction

We understand the expansion will be a single story, high wall, steel frame building with a plan area of approximately 10,000 square feet. Support for the structure is to be provided by a monolithic foundation or by conventional, shallow spread footings. Anticipated foundation loads were not provided; however, we assume column and wall loads will not exceed 20 kips and 1.5 kips per foot, respectively. The proposed building site is open and approximately level.

The purposes of our investigation were to determine the general subsurface conditions in the proposed expansion area, and to present recommendations for design and construction as appropriate.

Site Investigation

The subsurface conditions were investigated by performing four (4) Standard Penetration Test borings advanced to depths of 10 feet. The borings were performed about 10 feet inside the building corners as indicated on the attached Location Plan. These locations were selected by Cal-Tech Testing, Inc., and the building limits were staked on site.

The Standard Penetration Test (ASTM D-1586) is performed by driving a standard split-barrel sampler into the soil by blows of a 140-pound hammer falling 30 inches. The number of blows required to drive the sampler 1 foot, after seating 6 inches, is designated the penetration resistance, or N-value; this value is an index to soil density or consistency.

Findings

The soil borings generally encountered three soil strata. The first layer consists of 2.5 to 4.0 feet of loose, generally grayish tan or tannish gray, silty sand (SM) and sand with silt (SP/SM). The N-values of this layer range from 4 to 10 blows per foot.

The second layer consists of 3.0 to 7.5 or more feet of generally loose to medium dense, tan, gray, orange and red, clayey sand (SC) or sand with clay (SP/SC). The N-values of this layer range from 6 to 32 blows per foot.

The third layer consists of an undetermined thickness of very stiff, gray, orange and red, sandy clay (CL) or clay with sand (CH).

Groundwater was not encountered at any boring location at the time of our investigation (1/27/06). We estimate the wet season water table will occur at a depth of more than 6 feet below the existing surface grade.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs. Note specifically the transition between soil layers may be gradual and not abrupt as indicated by the logs; therefore, the thickness of soil layers should be considered approximate.

Discussion and Recommendations

From the results of our investigation, it is our opinion the addition can be supported by a monolithic foundation or by conventional, shallow spread footings sized to exert a maximum soil bearing pressure of 2,500 pounds per square foot. We recommend the foundations have minimum widths of 20 and 30 inches for strip and isolated footings, respectively, even though the allowable soil bearing pressure may not be developed. We recommend the bottoms of foundations be embedded at least 16 inches below the finished surface grade.

Only normal, good practice site preparation procedures should be required to prepare the bearing soils, and excavation and replacement of unsuitable soils in not anticipated.

We recommend excavation be performed as required to establish the appropriate bearing grades. Clean, sandy soils should be stockpiled for later use as fill as required. The subgrade should then be proof-rolled using heavy, rubber-tired equipment (a large, loaded, front-end loader, for example). Proof-rolling helps to compact the bearing soils

and to locate zones of especially loose or soft soils that may be present (former tree or stump areas, for example). Such soil zones should be excavated and replaced or otherwise treated as directed by the geotechnical engineer.

Bearing soils should then be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of 2 feet below foundations and 1 foot below floor slabs.

Fill soils, as required, should consist of relatively clean, fine sand containing less that 10% passing the No. 200 sieve. Fill should be placed in maximum 12-inch, loose lifts, and each lift should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density.

Field density testing should be performed in the compacted subgrade, in each lift of fill, and in foundation excavations to verify the recommended compaction has been achieved.

Our recommendations are based upon our findings as described in this report; however, subsurface conditions may exist that were not encountered in the soil test borings. Cal-Tech Testing, Inc. should be notified if different soil conditions are encountered during construction. It may be necessary to reevaluate this site and revise our recommendations.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be or further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer
President / C. E. O.

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer 2/1/06
52612

B-1

Water Table: N/A

Depth (ft)	N-value	Soil Description
0		Dark Tannish Grey Sand with Silt, Trace Organics (SP/SM)
	8	Loose, Light Greyish Tan Sand with Silt (SP/SM)
	6	
5	12	Medium Dense, Light Tannish Grey, Red and Orange, Clayey Sand (SC)
	24	Medium Dense, Tan, Light Grey and Orange, Clayey Sand (SC)
	29	Medium Dense, Greyish Tan and Orange Sand with Clay (SP/SC)
	32	Dense, Light Grey and Orangish Tan, Clayey Sand (SC)
10		

B-2

Water Table: N/A

Depth (ft)	N-value	Soil Description
0		Dark Tannish Grey, Silty Sand, Trace Organics (SM)
	4	Loose, Tannish Grey and Tan Sand with Silt (SP/SM)
	4	Loose, Light Greyish Tan Sand with Silt (SP/SM)
5	6	Loose, Orangish Tan, Clayey Sand (SC)
	12	Medium Dense, Light Greyish Tan, Grey and Orange, Clayey Sand (SC)
	14	Medium Dense, Grey, Light Orange and Red, Clayey Sand (SC)
	15	
10		

B-3

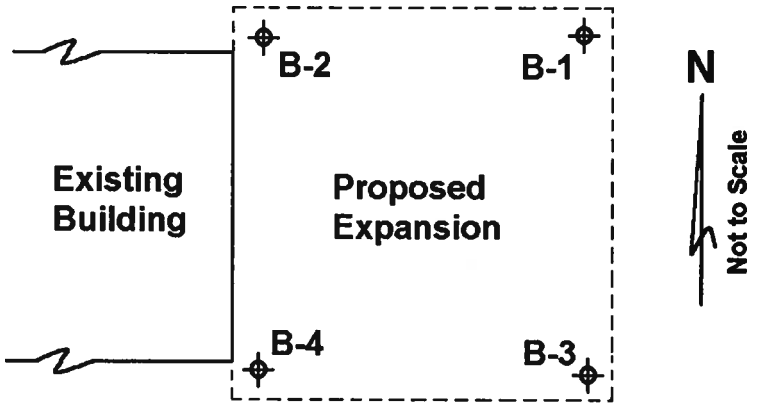
Water Table: N/A

Depth (ft)	N-value	Soil Description
0		Dark Tannish Grey, Silty Sand, Trace Organics (SM)
	6	Loose, Light Tannish Grey Sand with Silt (SP/SM)
	6	Loose, Greyish Tan, Clayey Sand (SC)
5	14	Medium Dense, Light Grey, Orange and Red, Very Clayey Sand (SC)
	17	Very Stiff, Light Tannish Grey and Orange, Very Sandy Clay (CL)
	20	Very Stiff, Light Grey, Orange and Red, Clay with Sand (CH)
	24	
10		

B-4

Water Table: N/A

Depth (ft)	N-value	Soil Description
0		Dark Tannish Grey, Silty Sand with Organics (SM)
	10	Loose, Tannish Grey Sand with Silt (SP/SM)
	6	Loose, Orangish Tan, Clayey Sand (SC)
5	14	Medium Dense, Light Tannish Grey, Orange and Red, Clayey Sand (SC)
	23	
	28	Medium Dense, Reddish Orange and Light Grey, Clayey Sand (SC)
	28	Medium Dense, Light Grey and Orange, Very Clayey Sand (SC)
10		



Boring Logs and Location Plan: Building Expansion
Hub City Industrial Supply

COLUMBIA COUNTY BUILDING DEPARTMENT

COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 WITH AMENDMENTS

ALL REQUIREMENTS LISTED ARE SUBJECT TO CHANGE

EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INCLUDE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 WITH AMENDMENTS BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SIGNATURE AND SEAL OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA. THE FOLLOWING BASIC WIND SPEED AS PER SECTION 1606 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ---------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ---------- 110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: **Two (2) complete sets of plans containing a floor plan, site plan, foundation plan, floor/roof framing plan or truss layout, wall sections and all exterior elevations with the following criteria and documents:**

Applicant	Plans Examiner	
☑	☐	**All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.**
☐	☐	**Designers name and signature on document (FBC 104.2.1) If licensed architect or engineer, official seal shall be affixed.**
☑	☐	**Two (2) Copies of Approved Site Plan**
☐	☐	**Minimum Type Construction (FBC Table 500)**
☑	☐	**Wind Load Engineering Summary, calculations and any details required:** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC 1. Basic wind speed (MPH) 2. Wind importance factor (I) and building category 3. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated 4. The applicable internal pressure coefficient 5. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☑	☐	**Fire Resistant Construction Requirements shall include:**
☐	☐	a) Fire resistant separations (listed system)
☐	☐	b) Fire resistant protection for type of construction
☐	☐	c) Protection of openings and penetrations of rated walls (listed systems)
☑	☐	d) Fire blocking and draft-stopping
☐	☐	e) Calculated fire resistance

Fire Suppression Systems shall include: (To be reviewed by Fire Department)

- ☐ N/A ☐ a) Fire sprinklers
- ☐ ☐ b) Fire alarm system (early warning) with name of licensed installer. If not shown on plans or not known at time of permitting, a separate permit shall be required by the licensed installer
- ☐ ☐ **c)** Smoke evacuation system schematic
- ☐ ☐ **d)** Stand-pipes
  - Pre-engineered system
  - Riser diagram

Life Safety Systems shall include: (To be reviewed by Fire Department)

- ☑ ☐ a) Occupancy load and egress capacity
- ☐ ☐ b) Early warning
- ☐ ☐ c) Smoke control
- ☐ ☐ d) Stair pressurization
- ☐ ☐ e) Systems schematic

Occupancy Load/Egress Requirements shall include:

- ☐ ☐ a) Occupancy load (gross and net)
- ☐ ☐ b) Means of egress
  - exit access, exit and exit discharge
- ☐ ☐ c) Stair construction/geometry and protection
- ☑ ☐ d) Doors
- ☑ ☐ e) Emergency lighting and exit signs
- ☐ ☐ f) Specific occupancy requirements
  1. Construction requirements
  2. Horizontal exits/exit passageways

Structural Requirements shall include:

- ☐ ☐ a) Soil conditions/analysis
- ☐ ☐ b) Show type of termite treatment (termicide or alternative method)
- ☐ ☐ c) Design loads
- ☑ ☐ d) Wind requirements
- ☐ ☐ e) Building envelope
- ☑ ☐ f) Structural calculations
- ☑ ☐ g) Foundations
- ☑ ☐ h) Wall systems
- ☑ ☐ i) Floor systems
- ☑ ☐ j) Roof systems
- ☐ ☐ k) Threshold inspection plan (if applicable)
- ☐ ☐ l) Stair systems

Materials shall include:

- ☐ ☐ a) Wood
- ☑ ☐ b) Steel
- ☐ ☐ c) Aluminum
- ☐ ☐ d) Concrete
- ☐ ☐ e) Plastic
- ☑ ☐ f) Glass (mfg. Listing for wind zone including details for installation and attachments
- ☐ ☐ g) Masonry
- ☐ ☐ h) Gypsum board and plaster
- ☐ ☐ i) Insulating (mechanical)
- ☐ ☐ j) Roofing (mfg. Listed system for wind zone with installation and attachments)
- ☑ ☐ k) Insulation

Accessibility Requirements shall include:

- ☐ ☐ a) Site requirements
- ☐ ☐ b) Accessible route
- ☐ ☐ c) Vertical accessibility
- ☐ ☐ d) Toilet and bathing facilities
- ☐ ☐ e) Drinking fountains
- ☐ ☐ f) Equipment
- ☐ ☐ g) Special occupancy requirements
- ☐ ☐ h) Fair housing requirements

Interior Requirements shall include:

- ☐ ☐ a) Interior finishes (flame spread/smoke develop)
- ☐ ☐ b) Light and ventilation
- ☐ ☐ c) Sanitation

Special Systems shall include:

- ☐ ☐ a) Elevators
- ☐ ☐ b) Escalators
- ☐ ☐ c) Lifts

Swimming Pools – Commercial – Plans shall be signed and sealed by a Professional Engineer registered in the State of Florida and approved by the Department of Business and Professional Regulation/Health Department Indicating compliance with the Florida Administrative Code, Chapter 64E-9 And Section 424 of the Florida Building Code

Electrical:

- ☐ ☐ a) Electrical wiring, services, feeders and branch circuits, over-current protection, grounding, wiring methods and materials, GFCIs
- ☐ ☐ b) Equipment
- ☐ ☐ c) Special Occupancies
- ☐ ☐ d) Emergency Systems
- ☐ ☐ e) Communication Systems
- ☐ ☐ f) Low Voltage
- ☐ ☐ g) Load calculations
- ☐ ☐ h) Riser diagram

Plumbing:

- ☐ ☐ a) Minimum plumbing facilities
- ☐ ☐ b) Fixture requirements
- ☐ ☐ c) Water supply piping
- ☐ ☐ d) Sanitary drainage
- ☐ ☐ e) Water heaters
- ☐ ☐ f) Vents
- ☐ ☐ g) Roof drainage
- ☐ ☐ h) Back flow prevention
- ☐ ☐ i) Irrigation
- ☐ ☐ j) Location of water supply
- ☐ ☐ k) Grease traps
- ☐ ☐ l) Environmental requirements
- ☐ ☐ m) Plumbing riser

Mechanical:

- ☐ ☐ a) Energy calculation (signed and sealed by Architect or Engineer, registered in the State of Florida)
- ☐ ☐ b) Exhaust systems (clothes dryer exhaust, kitchen equipment exhaust, Specialty equipment exhaust)
- ☐ ☐ c) Equipment
- ☐ ☐ d) Equipment location
- ☐ ☐ e) Make-up air
- ☐ ☐ f) Roof mounted equipment
- ☐ ☐ g) Duct systems
- ☐ ☐ h) Ventilation
- ☐ ☐ i) Combustion air
- ☐ ☐ j) Chimneys, fireplaces and vents
- ☐ ☐ k) Appliances
- ☐ ☐ l) Boilers
- ☐ ☐ m) Refrigeration
- ☐ ☐ n) Bathroom ventilation
- ☐ ☐ o) Laboratory

Gas:

- ☐ ☐ a) Gas piping
- ☐ ☐ b) Venting
- ☐ ☐ c) Combustion air
- ☐ ☐ d) Chimney's and vents
- ☐ ☐ e) Appliances
- ☐ ☐ f) Type of gas
- ☐ ☐ g) Fireplaces
- ☐ ☐ h) LP tank locations
- ☐ ☐ i) Riser diagram/shut offs

☐ ☐ **Disclosure Statement for Owner Builders**

☐ ☐ ***Notice of Commencement Required Before Any Inspections will be Done**

☐ ☐ **Private Potable Water:**

a) Size of pump motor
b) Size of pressure tank
c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS:

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all construction projects; If you were required to have a Site and Development Plan Approval, list SDP number.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser is required. A copy of property deed is also requested. (386) 758-1084

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic tank approval or sewer tap is required

4. **City Approval:** If the project is located within the city limits of the Town of Fort White prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) **has been** established shall meet the requirements of section 8.8 of the Columbia County Land Development Regulations. Any project that is located within a flood zone where the base flood elevation (100 year flood) **has not been** established shall meet the requirements of section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
   A development permit will also be required. **The development permit cost is $50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit must be made **($25.00)**. Culvert installation for commercial, industrial and other uses shall **conform to the approved site plan or to the specifications of a registered engineer. Joint use culverts will comply with Florida Department of Transportation specifications**. If the project is to be located on a F.D.O.T. maintained road, then an F.D.O.T. access permit is required.

7. **Suwannee River Water Management District Approval:** All commercial projects must have an SRWMD permit issued or an exemption letter, before a building will be issued.

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS – PLEASE DO NOT ASK

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

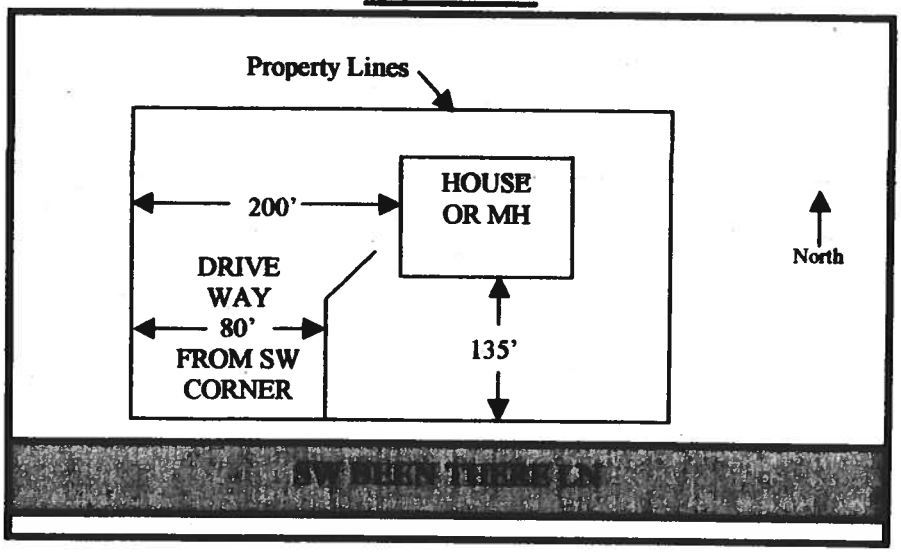
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
   a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
   b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
   c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:

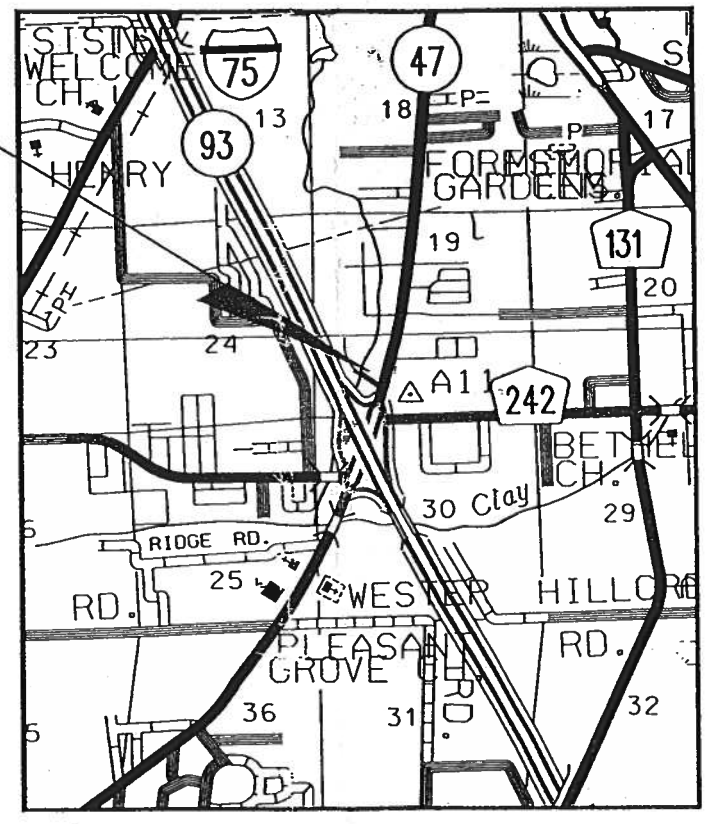


NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.

HUB CITY INDUSTRIAL SUPPLY

SHEET INDEX

PROJECT LOCATION



PLANS PREPARED FOR:

SCOTT STEWART
P.O. BOX 3566
LAKE CITY, FL 32056
PHONE: (904) 752-3654

LEGEND

EXISTING		PROPOSED	
CONCRETE MONUMENT FOUND	■	CONCRETE MONUMENT SET	□
IRON PIPE FOUND	●	IRON PIPE SET	○
LIGHT STANDARD		LIGHT STANDARD	
POWER POLE		POWER POLE	
WATER VALVE		WATER VALVE	
FIRE HYDRANT		FIRE HYDRANT	
BACKFLOW PREVENTER		BACKFLOW PREVENTER	
CLEANOUT	○CO	CLEANOUT	●CO
MANHOLE	○	MANHOLE	○
GROUND CONTOUR	--25--	GROUND CONTOUR	—25—
WELL	Ⓦ	DITCH BLOCK	
MONITORING WELL	Ⓜ	FINISH ELEVATION	×—
ELECTRIC BOX	Ⓔ	FLOW ARROW	
TELEPHONE BOX	Ⓣ	HANDICAP PARKING	
CABLE T.V. BOX	Ⓒ	MITERED END	
D.O.T. MARKER FOUND	■	TREE	
CONCRETE			
SOIL BORING LOCATION			
SINGLE POST SIGN	—		
BENCH MARK			
TRAFFIC LIGHT CABINET			

SYMBOLS & ABBREVIATIONS

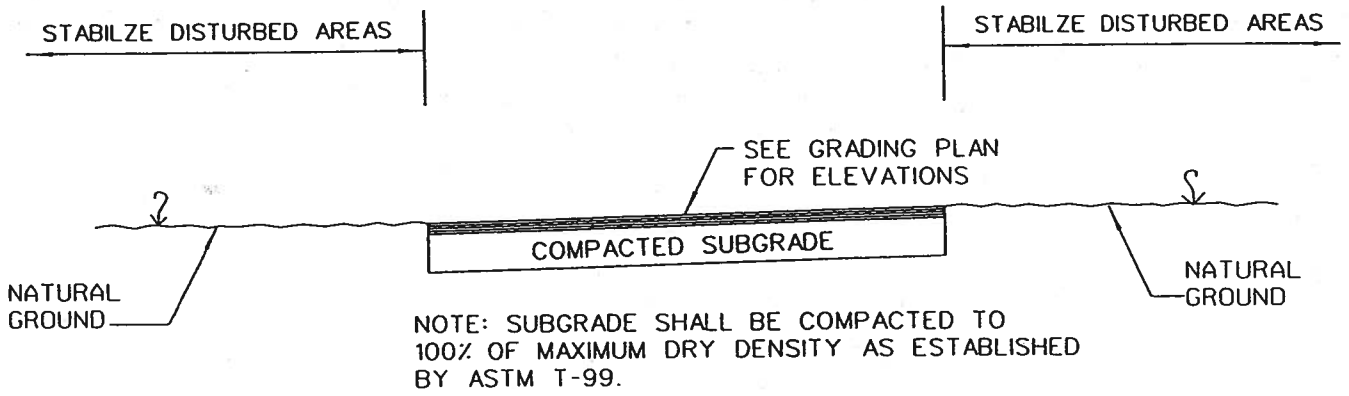
℄	PROPERTY LINE	LF	LINEAR FEET
℄	CENTER LINE	IP	IRON PIPE
℄	BASE LINE	MH	MANHOLE
SAN	SANITARY SEWER	G	GAS
SS	STORM SEWER	UC	UNDERGROUND CABLE
E	ELECTRIC	OC	OVERHEAD CABLE
OE	OVERHEAD ELECTRIC	W	WATER LINE
UG	UNDERGROUND ELECTRIC	RCP	REINFORCED CONCRETE PIPE-ROUND
OT	OVERHEAD TELEPHONE	RCPA	REINFORCED CONCRETE PIPE-ARC
UT	UNDERGROUND TELEPHONE	RCPE	REINFORCED CONCRETE PIPE-ELLIPTICAL
R=	RADIUS	CMP	CORRUGATED METAL PIPE-ROUND
CO	CLEANOUT	CMPA	CORRUGATED METAL PIPE-ARC
BM	BENCH MARK	BCCMP	BITUMINOUS COATED CORRUGATED METAL PIPE
F.O.C.	FIBER OPTIC CABLE		

BAILEY BISHOP & LANE, INC.
P.O. BOX 3717
LAKE CITY, FL 32056-3717
PH. (904) 752-5840
FAX (904) 755-7771

COVER SHEET

REVISIONS

JOB NO. 990249
DATE 07/14/99
SHEET NO. 1



NOTE: SUBGRADE SHALL BE COMPACTED TO 100% OF MAXIMUM DRY DENSITY AS ESTABLISHED BY ASTM T-99.

TYPICAL SECTION

2" Type S-I Structural Course
0.10 Gal/SY Prime Coat
8" Limerock Base Course

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS SHOWN. NOTIFY THE ENGINEER OF ANY CHANGES OR MODIFICATIONS TO THE PLANS.
2. THE SITE IS LOCATED IN SECTION 30, TOWNSHIP 9 SOUTH, RANGE 15 EAST, GILCHRIST COUNTY, FLORIDA
3. THE STREETS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).
4. THE MATERIALS USED IN THE CONSTRUCTION OF THE STREETS ARE TO MEET THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).
5. THE STORMWATER MANAGEMENT SYSTEM IS DESIGNED IN ACCORDANCE WITH CHAPTER 40B-4 F.A.C.
6. THE RETENTION BASINS SHALL BE CONSTRUCTED INITIALLY TO SERVE AS A SEDIMENT TRAP DURING CONSTRUCTION.
7. ALL SLOPES OF THE STORMWATER BASINS SHALL BE SODDED. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK-GROWING SHORT TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.
8. ALL GRASS AREAS ARE TO RECEIVE A 4" MUCK BLANKET OR TOPSOIL TREATMENT.
9. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED.
10. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.
11. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.

BAILEY BISHOP & LANE, INC.
P.O. BOX 3717
LAKE CITY, FL 32056-3717
PH.(904)752-5640
FAX (904)755-7771

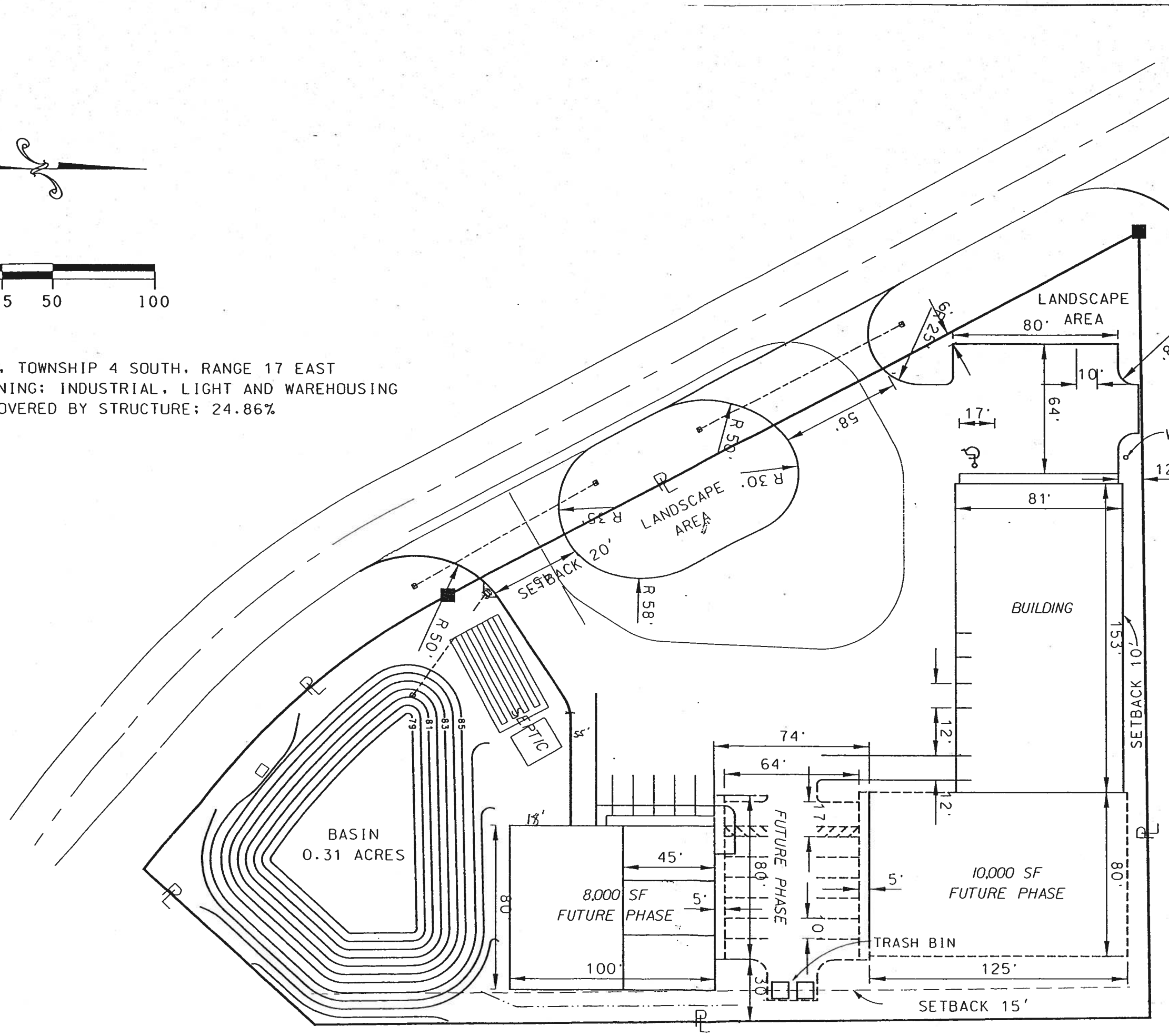
TYPICAL SECTION AND GENERAL NOTES

REVISIONS
1. 09/08/99 NEW SHEET SAME TYPICAL SECTION AND GENERAL NOTES

JOB NO. 990249
DATE 09/08/99
SHEET NO. 2

0 25 50 100

SECTION 19, TOWNSHIP 4 SOUTH, RANGE 17 EAST
PRESENT ZONING; INDUSTRIAL, LIGHT AND WAREHOUSING
PROPERTY COVERED BY STRUCTURE; 24.86%



ZONING FOR THIS LAND IS COMMERICAL

BAILEY BISHOP & LANE, INC.
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LAKE CITY, FL 32056-3717
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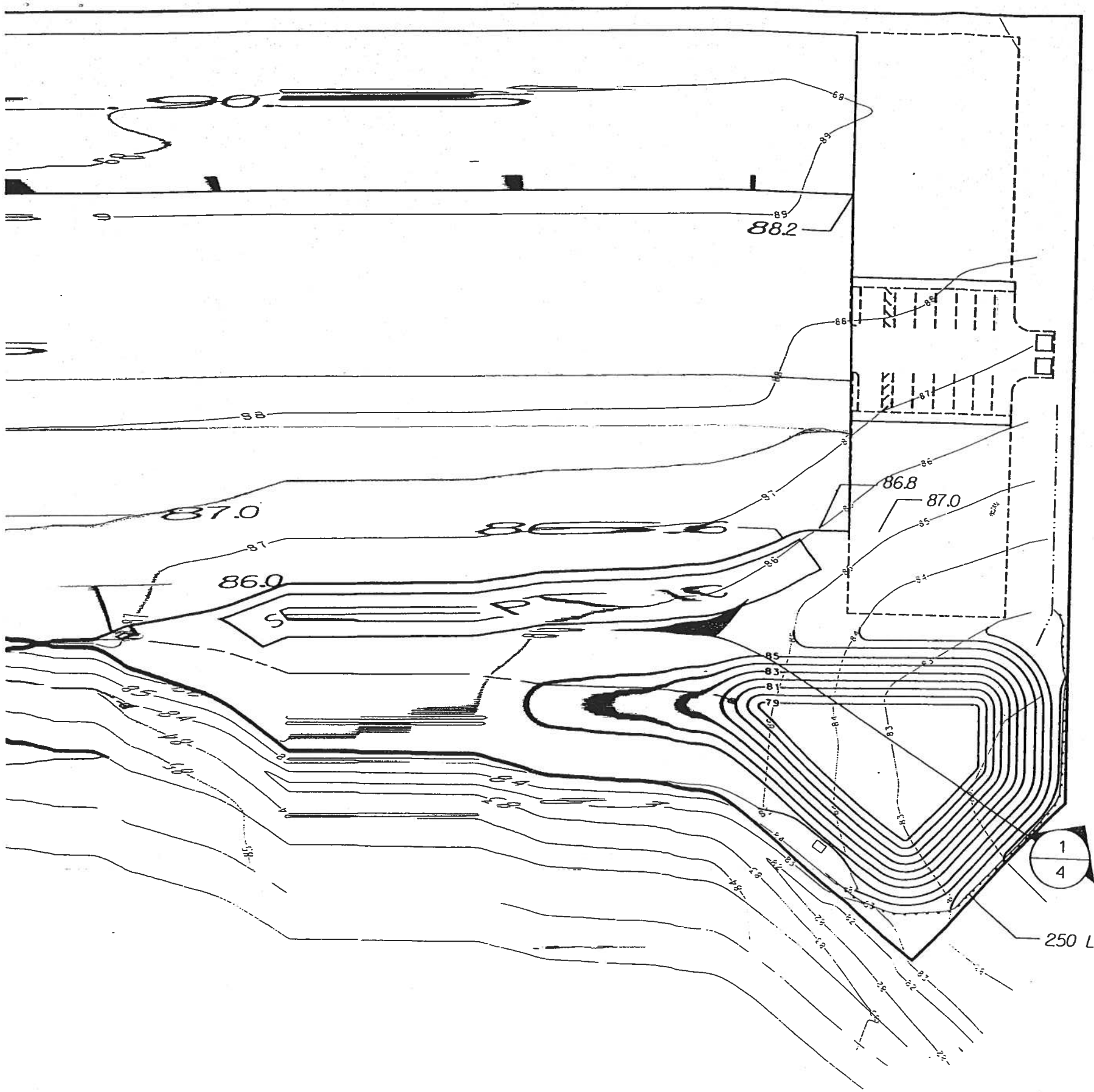
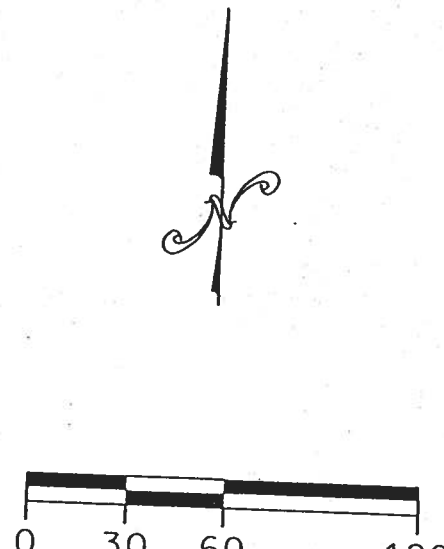
FAX (904) 755-7771

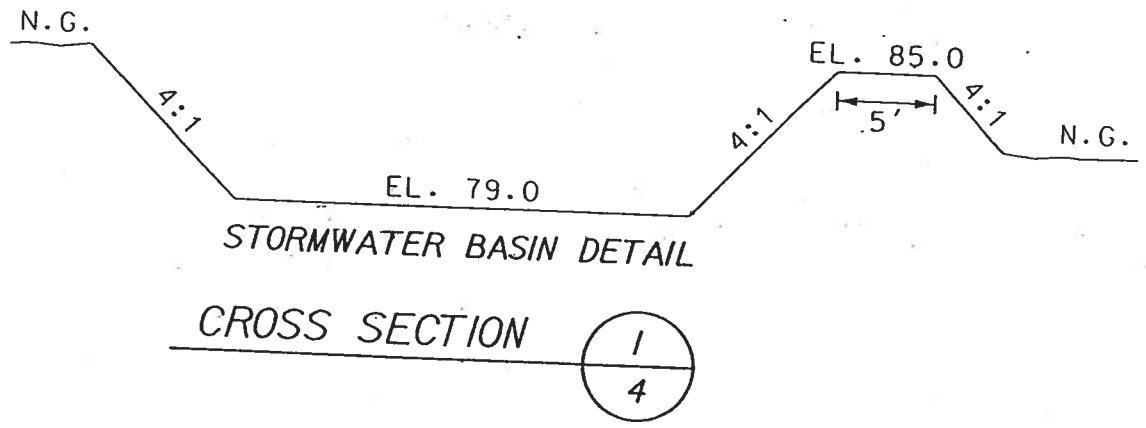
HUB CITY

REVISIONS

JOB NO. 990249
DATE 12/22/99
SHEET NO. 3







STORMWATER BASIN DETAIL

CROSS SECTION 1/4

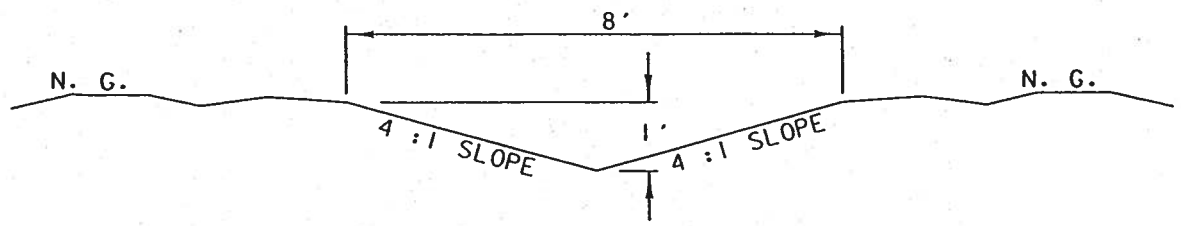
BAILEY BISHOP & LANE, IN
P. O. BOX 3717
LAKE CITY, FL 32056-3717
PH. (904) 752-5640
FAX (904) 755-7771

GRADING PLAN

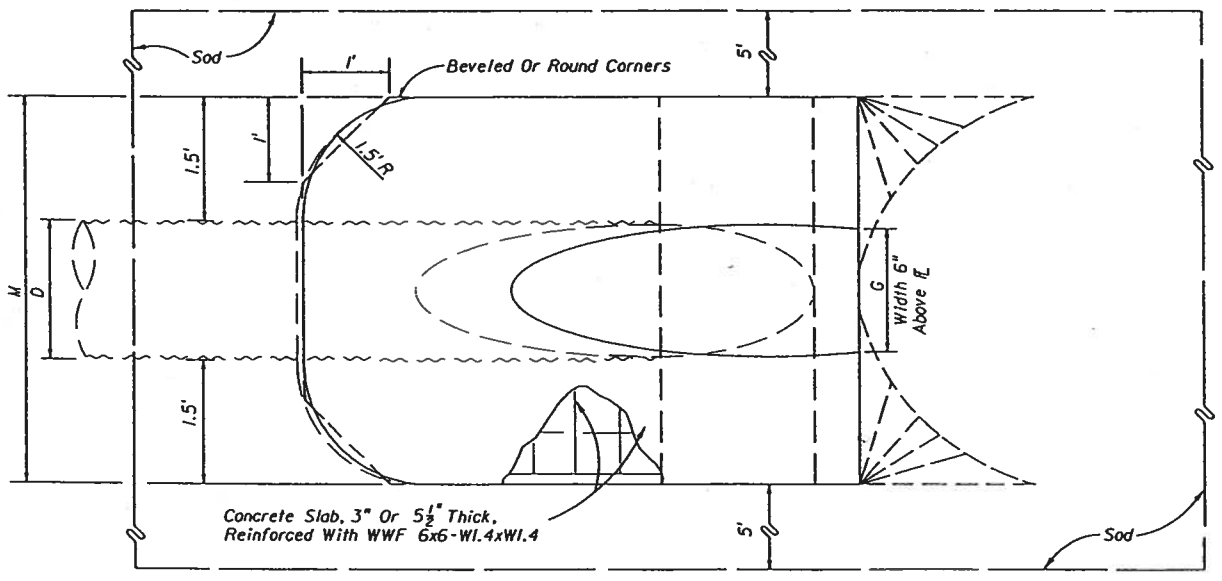
REVISIONS
1. 09/28/99 ADDED INLET & CULVERT GOING TO STORMWATER BASIN AND BASIN CROSS SECTION.

JOB NO. 990249
DATE 07/06/99
SHEET NO. 4

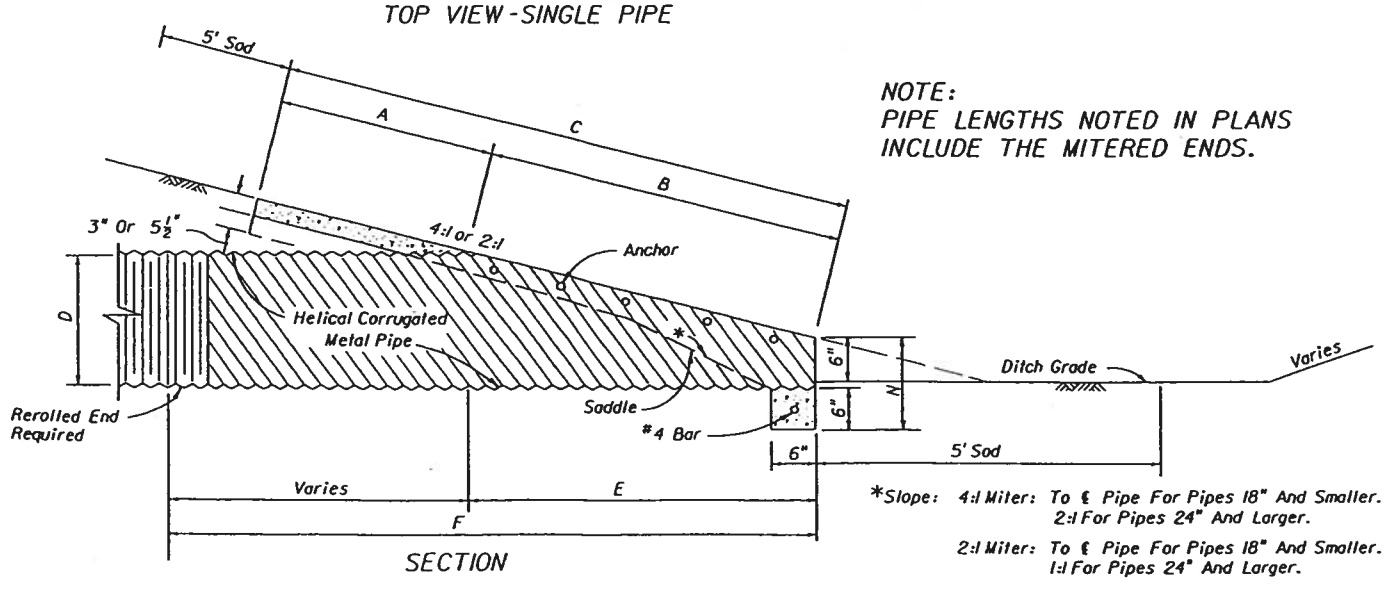
DIMENSIONS													
									M				
	D	X	A	B	C	E	F	G	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	N
2:1 Slope	15"	2'-7"	2.5'	1.68'	4.18'	1.50'	5'	1.23'	4.33'	6.92'	9.50'	12.08'	1.04'
	18"	2'-10"	2.5'	2.24'	4.74'	2.00'	6'	1.41'	4.58'	7.42'	10.25'	13.08'	1.04'
	24"	3'-5"	2.5'	3.35'	5.85'	3.00'	7'	1.73'	5.08'	8.50'	11.92'	15.33'	1.04'
	30"	4'-3"	2.5'	4.47'	6.97'	4.00'	8'	2.00'	5.58'	9.83'	14.08'	18.33'	1.04'
	36"	5'-1"	2.5'	5.59'	8.09'	5.00'	9'	2.24'-	6.08'	11.17'	16.25'	21.33'	1.04'
	42"	6'-0"	2.5'	6.71'	9.21'	6.00'	10'	2.45'	6.58'	12.58'	18.58'	24.58'	1.04'
	48"	6'-9"	2.5'	7.83'	10.33'	7.00'	11'	2.65'	7.08'	13.83'	20.58'	27.33'	1.04'
	54"	7'-8"	2.5'	8.94'	11.44'	8.00'	12'	2.83'	7.58'	15.25'	22.92'	30.58'	1.04'
	60"	8'-6"	2.5'	10.06'	12.56'	9.00'	13'	3.00'	8.08'	16.58'	25.08'	33.58'	1.04'
4:1 Slope	15"	2'-7"	2.5'	3.09'	5.59'	3.0'	7.0'	1.23'	4.33'	6.92'	9.50'	12.08'	1.04'
	18"	2'-10"	2.5'	4.12'	6.62'	4.0'	8.0'	1.41'	4.58'	7.42'	10.25'	13.08'	1.04'
	24"	3'-5"	2.5'	6.18'	8.68'	6.0'	10.0'	1.73'	5.08'	8.50'	11.92'	15.33'	1.04'
	30"	4'-3"	2.5'	8.25'	10.75'	8.0'	12.0'	2.00'	5.58'	9.83'	14.08'	18.33'	1.04'
	36"	5'-1"	2.5'	10.31'	12.81'	10.0'	14.0'	2.24'	6.08'	11.17'	16.25'	21.33'	1.04'
	42"	6'-0"	2.5'	12.37'	14.87'	12.0'	16.0'	2.45'	6.58'	12.58'	18.58'	24.58'	1.04'
	48"	6'-9"	2.5'	14.43'	16.93'	14.0'	18.0'	2.65'	7.08'	13.83'	20.58'	27.33'	1.04'
	54"	7'-8"	2.5'	16.49'	18.99'	16.0'	20.0'	2.83'	7.58'	15.25'	22.92'	30.58'	1.04'
	60"	8'-6"	2.5'	18.55'	21.05'	18.0'	22.0'	3.00'	8.08'	16.58'	25.08'	33.58'	1.04'



SWALE DETAIL



TOP VIEW - SINGLE PIPE



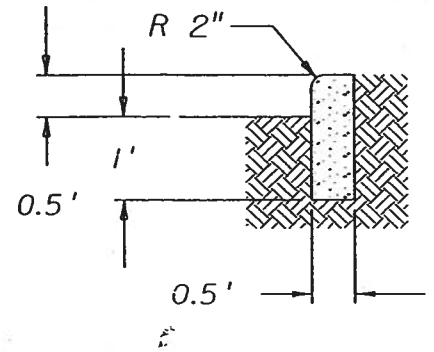
SECTION

NOTE:
PIPE LENGTHS NOTED IN PLANS INCLUDE THE MITERED ENDS.

*Slope: 4:1 Miter: To ℄ Pipe For Pipes 18" And Smaller.
2:1 For Pipes 24" And Larger.

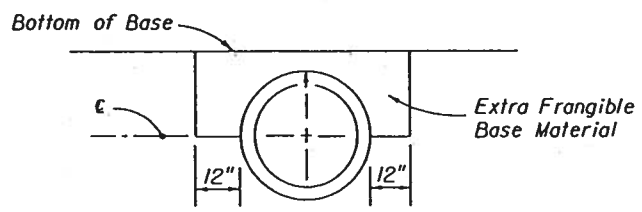
2:1 Miter: To ℄ Pipe For Pipes 18" And Smaller.
1:1 For Pipes 24" And Larger.

MITERED END SECTION DETAIL - BCCMP



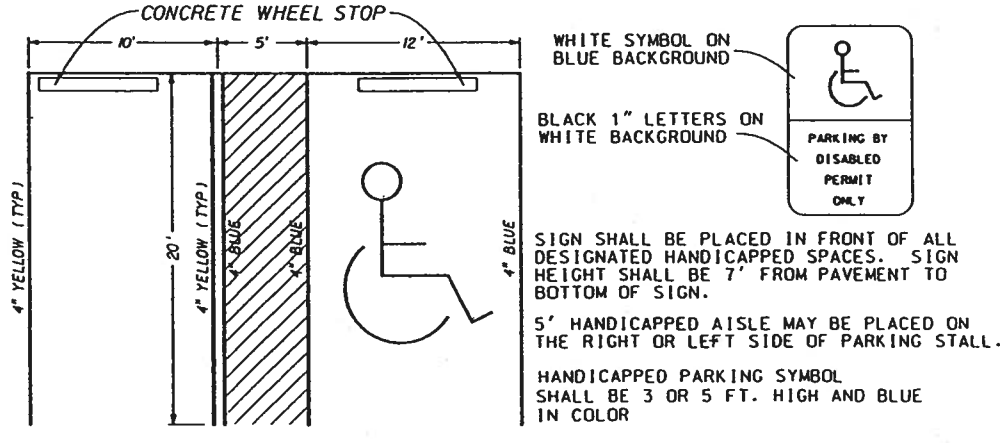
PROVIDE 1/8"-1/4" CONTRACTION JOINTS AT 10' CENTERS MAXIMUM.

HEADER CURB DETAIL



LIMEROCK BASE

EXTRA BASE FOR CROSS CULVERTS UNDER FLEXIBLE PAVEMENTS



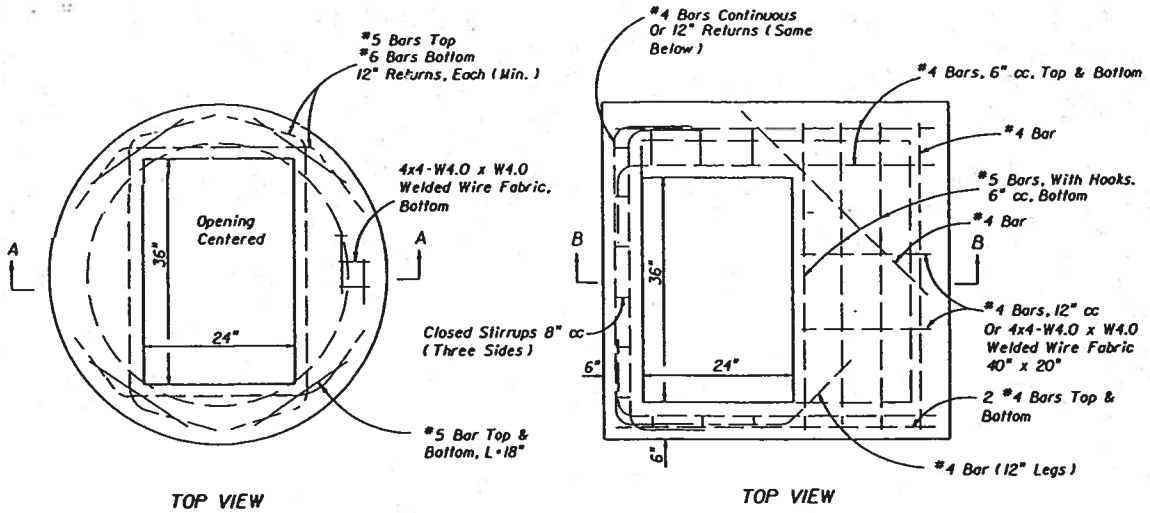
PARKING STALL DETAIL

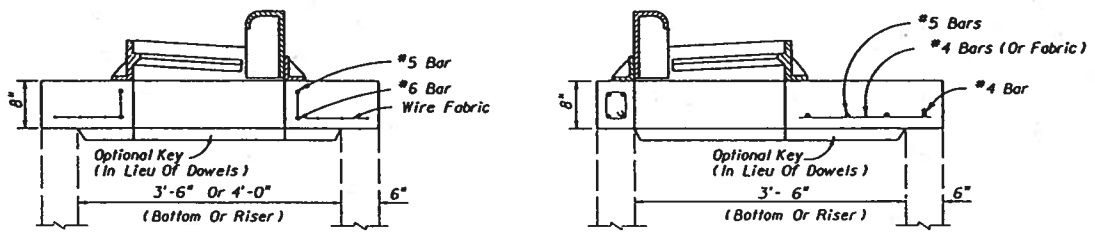
BAILEY BISHOP & LANE, INC.
P. O. BOX 3717
LAKE CITY, FL 32055-3717
PH. (904) 752-5640
FAX (904) 755-7771

DRAINAGE DETAILS

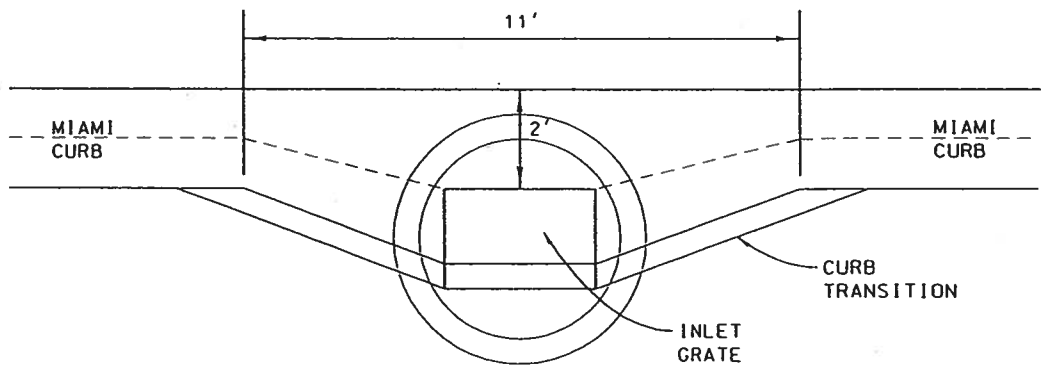
REVISIONS
1. 09/08/99 ADDED INLET DETAILS.

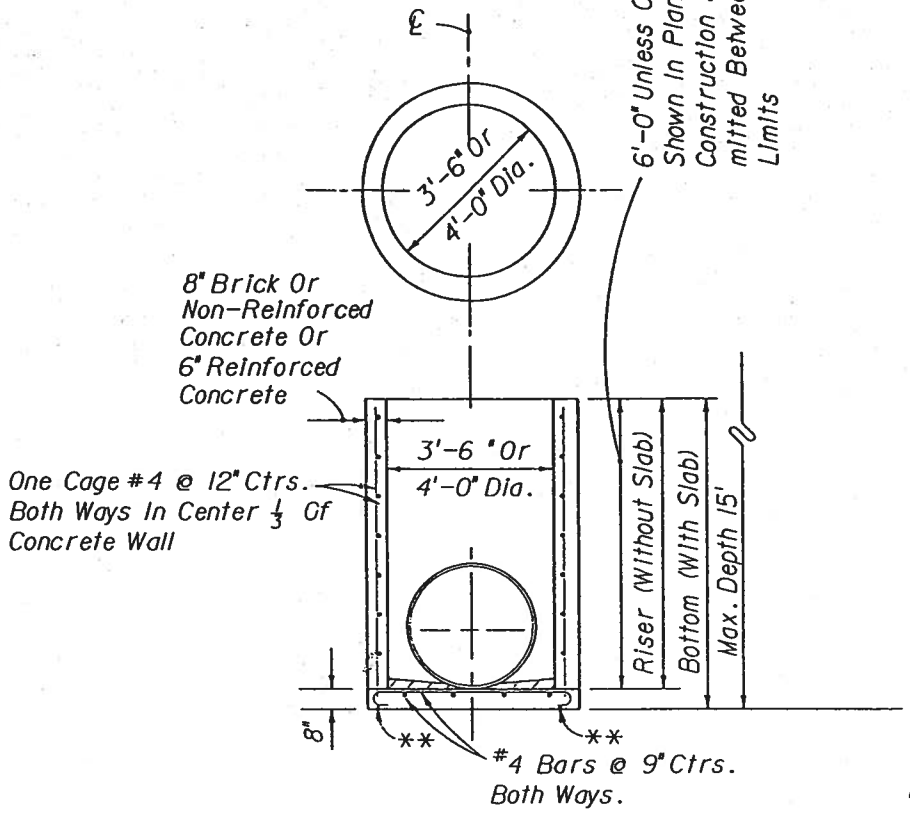
JOB NO. 990249
DATE 07/14/99
SHEET NO. 5

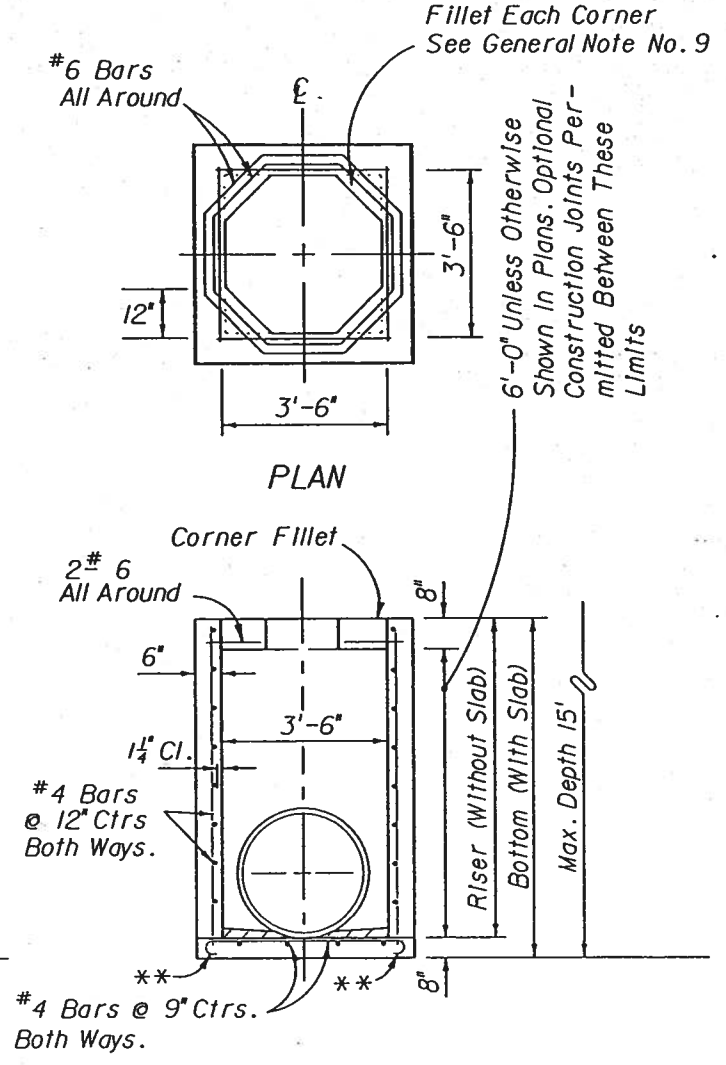




TOP SLABS







TYPE P STRUCTURE BOTTOM

GENERAL NOTES

1. Walls of circular structures (Alternate A) constructed in place may be of non - reinfored concrete or brick or reinforced concrete. Precast and rectangular structures (Alternate B) shall be constructed of reinforced concrete only.

2. Wall thickness and reinforcement are for either reinforced cast-in-place or precast concrete units except that precast circular units may be furnished with walls in accordance with either A.S.T.M. C-478 (up to 96" diameter) or A.S.T.M. C-76, Class III, B Wall, modified where the elliptical steel cage area is placed in the center one-third of the wall.

3. Top and floor slab thickness and reinforcement are for all types of construction. Top and floor slabs for Type J units shall be of Class II concrete. Concrete as specified in A.S.T.M. C-478 (4000 psi) may be used in lieu of Class I and Class II concrete in precast items manufactured in plants which are under the 'Standard Operating Procedures' for the inspection of precast drainage products.

4. Reinforcement is based on Grade 40. Grade 60 or welded wire fabric, either smooth or deformed.

6. Rectangular structures may be rotated as directed by the Engineer in order to facilitate connections between the structure walls and storm sewer pipes.

7. Except when ACI hooks are specifically required, embedment hooks in the top and bottom slabs may be replaced with straight embedments or peripheral reinforcement.

8. All steel bars shall have 1 1/4" minimum cover unless otherwise shown. Horizontal steel in rectangular structures shall be lapped a minimum of 24 bar diameters at corners.

9. The corner fillets shown are necessary for rectangular structures used with circular risers and inlet throats and used on skew with rectangular risers, inlet and inlet throats. Fillets will be required in the lower end of the Alt. B riser when used with the Alt. A box.

BAILEY BISHOP & LANE, INC.
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DRAINAGE DETAILS

REVISIONS

JOB NO. 990249
DATE 07/14/99
SHEET NO. 6

GENERAL NOTES

1. THE SEAL THAT APPEARS OH THESE DRAWING_ _ THE SEAL OF THE ENGINEER FOR INLAND BUILDINGS WHO IS NOT THE ENGINEER OF RECORD.
2. CERTIFICATION RESTRICTION: ENGINEER'S CERTIFICATION IS STRICTLY LIMITED TO STRUCTURAL COMPONENTS DESIGNED AND FURNISHED BY INLAND BUILDINGS. CERTIFICATION EXTENDS ONLY TO THE DESIGN LOADS AND STANDARDS INDICATED ON THE PLANS. CERTIFICATION DOES NOT EXTEND TO FOUNDATION, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, CIVIL WORK, ARCHITECTURE RESPONSIBILITIES, OVERALL PROJECT COORDINATION, OR OTHER ASPECTS OF CODE COMPLIANCE NOT SPECIFICALLY REFERENCED BY THE MANUFACTURER'S ORDER DOCUMENTS. CERTIFICATION SHALL NOT EXTEND TO BUILDING ERECTION SUPERVISION OR INSPECTION.
3. ANCHOR BOLTS ARE NOT SUPPLIED BY INLAND BUILDINGS. ANCHOR BOLT DIAMETER DETERMINED BY ALLOWABLE SHEAR AND TENSION PER AISC (ASTM A-307) MINIMUMS. ACTUAL LENGTH, HEAD STYLE, AND METHOD OF TRASFERING FORCES FROM ANCHOR BOLTS TO CONCRETE FOOTINGS TO BE DETERMINED BY OTHERS.
4. FOUNDATIONS MUST BE DESIGNED FOR LOCAL SOIL CONDITIONS BY A QUALIFIED FOUNDATION ENGINEER TO SAFELY SUPPORT COLULMN LOADS.
5. INLAND IS NOT RESPONSIBLE FOR ERRORS, OMMISIONS, OR DAMAGES INCURRED IN THE ERECTION OF BUILDING COMPONENTS NOR FOR THE INSPECTION OF ERECTED COMPONENTS TO ASCERTAIN SAME.
6. TEMPORARY BRACING MUST BE INSTALLED BY ERECTOR TO PROVIDE ADEQUATE STABILITY DURING ERECTION. BRACING INDICATED ON THE ERECTION DRAWINGS IS CRITICAL TO THE STABILITY OF THE COMPLETED STRUCTURE AND SHALL NOT BE REMOVED.
7. IF WINDOW AND DOOR FRAMES ARE TO BE FIELD LOCATED, GIRTS & SHEETING ARE TO BE FIELD CUT AS REQUIRED.
8. A 3/4" DIA. X 2" LONG SLOT MUST BE FIELD LOCATED AS REQ'D IN GIRTS OF FLUSH FRAMED BUILDINGS TO PERMIT THE INSTALLATION OF CABLE BRACING.
9. WALL & LINER PANELS ARE AN INTEGRAL PART OF THE STRUCTURAL SYSTEM. UNAUTHORIZED REMOVAL OF PANELS IS PROHIBITED.
10. ALL FIELD WELDING MUST BE PERFORMED BY AWS QUALIFIED WELDERS FOR THE WELDING PROCESSES AND POSITIONS INDICATED IN ACCORDANCE WITH THE APPLICABLE AWS SPECIFICATION. WELD ELECTRODES USED MUST BE 70 KSI STEEL, LOW HYDROGEN CONTENT.
11. THE CORRECTION OF MINOR MISFITSBY THE USE OF DRIFT PINS TO DRAW COMPONENTS INTO LINE, SHIMMING, MODERATE AMOUNTS OF REAMING, CHIPPING AND CUTTING, AND THE REPLACEMENT OF MINOR SHORTAGES OF MATERIAL MAY BE REQUIRED AND IS NOT THE RESPONSIBILITY OF INLAND BUILDINGS.
12. THE ERECTOR IS RESPONSIBLE FOR VERIFYING PROPER ELEVATION OF FRAMES AT THE TIME OF INSTALLATION OF THE FRAMES. SHIMMING MAY BE REQUIRED TO ACHIEVE PROPER INSTALLATION.
13. WHEN HANDLING LONG TRIM, CARE SHOULD BE TAKEN TO AVOID DAMAGE CAUSED BY BUCKLING.

ROOF PROFILES	WALL PROFILES
PAINTED SIDE/OUTSIDE — DYNA RIB (DR) PANEL	PAINTED SIDE/OUTSIDE — DYNA RIB (DW) PANEL

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

BUILDING DESIGN CRITERIA

1. DESIGN LOADS ARE APPLIED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE BUILDING CODE LISTED BELOW. REFERENCE ICBO EVALUATION REPORT 4018

BUILDING CODE	: FBC 01	WIND VELOCITY (MPH)	: 120
ROOF LIVE LOAD (PSF)	: 20 (Reducible)	WIND EXPOSURE	: B
		WIND ENCLOSURE	: Closed
		WIND IMPORTANCE	: 1.00
		OCCUPANCY CATEGORY	: I

BUILDING PROFILE

WIDTH:	114	FEET
LENGTH:	87	FEET
SW BAY:	3 at 29	FEET
EW BAY: (LEFT)	1 at 12, 4 at 20, 1 at 22	FEET
EW BAY: (RIGHT)	1 at 22 4 at 20, 1 at 12	FEET
EAVE HEIGHT: (BACK/FRONT)	20 /20	FEET
ROOF SLOPE: (BACK/FRONT)	1.000:12/1.000:12	
PEAK OFFSET: (FROM BACK)	57	FEET
GIRT TYPE: (BACK)	Bypass	
(FRONT)	Bypass	
(LEFT)	OPEN	
(RIGHT)	Bypass	
FRAME TYPE: (LEFT)	Rigid	
(RIGHT)	Bearing	

DRAWING INDEX

Florida Approval number FL3629 applies to Behlen ADP-1 and Inland DR roof in non-hurricane force wind zones.

Florida Approval number FL3668 applies to Behlen ADP-1 wall and Inland DR wall in non-hurricane force wind zones.

PANEL, TRIM, & ACCESSORIES INFORMATION

ROOF PANELS

TYPE: DR GAUGE: 26 COLOR: GALVALUME
UL90 CERTIFICATION: NO
IF SS:
CLIP HEIGHT: ____

WALL PANELS

TYPE: DW GAUGE: 26 COLOR: ASH GRAY

LINER PANELS

TYPE: NONE GAUGE: ____ COLOR: _____
HEIGHT: _____

FACADE PANELS

TYPE: NONE GAUGE: ____ COLOR: _____

SOFFIT PANELS

TYPE: NONE GAUGE: ____ COLOR: _____

PARTITION PANELS

TYPE: NONE GAUGE: ____ COLOR: _____

ACCESSORIES

	NONE	BY OTHERS	BY INLAND	THICKNESS OVER ZEE
ROOF INSULATION:				4"
WALL INSULATION:				4"
THERMAL BLOCKS:				
ROOF CURBS:				
SKYLIGHTS:				
WALL LIGHTS:				
WALKDOORS:				
WINDOWS:				
RIDGEVENTS				

FRAMING FINISH

PRIMARY FRAMING (MAIN FRAMES & ENDWALL FRAMES) (WIND COLUMNS & BENTS) — DARK GRAY PRIMER

SECONDARY FRAMING (GIRTS, EAVE STRUTS, PURLINS DOOR/FRAMED OPNG. & CLIPS ETC.) — DARK GRAY PRIMER

IMPORTANT BOLT INFORMATION

TWO GRADES OF 1/2"ø BOLTS ARE USED IN THIS BUILDING, A307 AND A325. THE A325 BOLTS ARE USED FOR ATTACHING EAVE STRUTS AND ENDWALL COLUMNS TO RAFTERS. THEY ARE ALSO SOMETIMES USED FOR CERTAIN PURLIN TO RAFTER CONNECTIONS. REVIEW PLANS AND DETAILS FOR SPECIFIC INFORMATION.

TRIM

RAKE:	GAUGE: 26	COLOR: EVERGREEN
EAVE:	GAUGE: 26	COLOR: EVERGREEN
GUTTER:	GAUGE: 26	COLOR: EVERGREEN
DOWNSPOUT:	GAUGE: 26	COLOR: EVERGREEN
HEADER:	GAUGE: 26	COLOR: ASH GRAY
SILL:	GAUGE: 26	COLOR: ASH GRAY
JAMB:	GAUGE: 26	COLOR: ASH GRAY
BASE SEAL:	GAUGE: 26	COLOR: ASH GRAY
CORNER:	GAUGE: 26	COLOR: ASH GRAY

TURN-OF-NUT TIGHTENING METHOD (FOR A-325T BOLTS)

ENOUGH BOLTS SHALL BE BROUGHT TO A "SNUG-TIGHT" CONDITION TO INSURE THAT THE PARTS OF THE JOINT ARE BROUGHT INTO GOOD CONTACT WITH EACH OTHER. SNUG-TIGHT IS DEFINED AS THE TIGHTNESS ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE EFFORT OF A MAN USING AN ORDINARY SPUD WRENCH. FOLLOWING THIS INITIAL OPERATION, BOLTS SHALL BE PLACED IN ANY REMAINING HOLES IN THE CONNECTION AND BROUGHT TO SNUG TIGHTNESS. ALL BOLTS IN THE JOINT SHALL THEN BE TIGHTENED ADDITIONALLY BY (SEE TABLE A) TURN OF THE NUT, WITH TIGHTENING PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT TO ITS FREE EDGES. DURING THIS OPERATION, THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH.

TABLE A NUT ROTATION FROM SNUG TIGHT CONDITION	
BOLT LENGTH = AS MEASURED FROM UNDERSIDE OF HEAD TO EXTREME END OF POINT.	NUMBER OF TURNS
UP TO AND INCLUDING 4 DIAMETERS	1/3 TURN
OVER 4 DIAMETERS BUT NOT EXCEEDING 8 DIAMETERS	1/2 TURN

ISSUED FOR APPROVAL

DELIVERY OF THIS PROJECT IS BASED UPON PROMPT RETURN OF APPROVAL PRINTS. PLEASE RETURN ONE SET OF SIGNED APPROVAL PRINTS TO OUR OFFICES. ANY CHANGES MADE ON THIS PROJECT AFTER APPROVAL MAY BE SUBJECT TO ADDITIONAL CHARGES AND DELAYS.

- ☐ APPROVED AS DRAWN
- ☐ APPROVED AS NOTED
- ☐ NOT APPROVED, RESUBMIT DO NOT FABRICATE

BY: _____ DATE: _____

IF THIS SET OF DRAWINGS WERE SENT VIA E-MAIL, THEY ARE COPIES OF THE ORIGINALS THAT ARE PRINTED AT THE OFFICE OF INLAND BUILDINGS CULLMAN, AL. THE ORIGINALS WITH THE ENGINEERS SEAL ARE CONSIDERED THE LEGAL DOCUMENTS.

060805

NO.	A	BBR	6/ 1/05	RAH	6/6/05	JBA	6/ 1/05	APROVALS	REMARKS
		DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE		

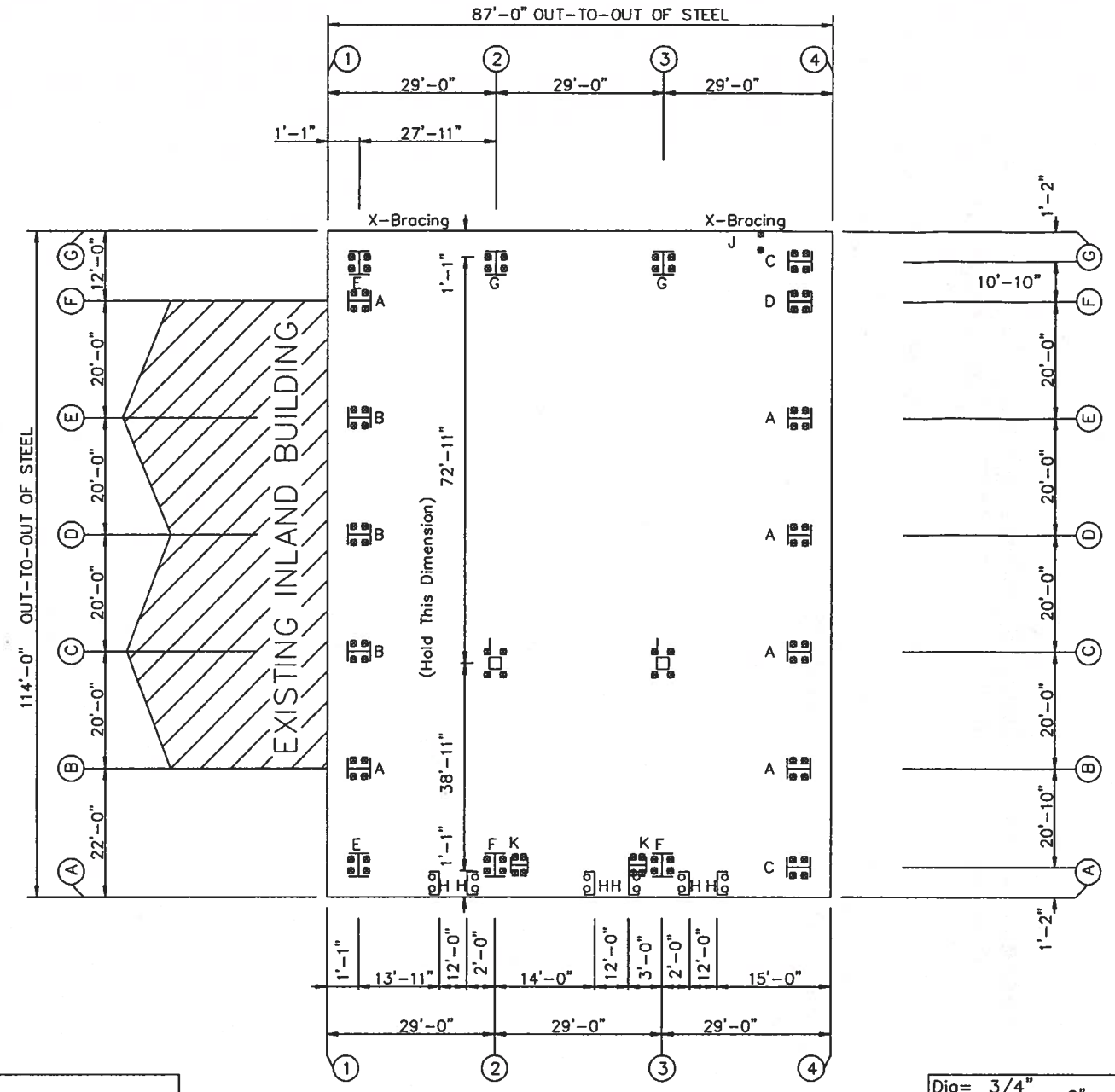
GENERAL INFORMATION

Job: HUB CITY #3
Location: LAKE CITY, FL 32025
Builder: SIMQUE CONSTRUCTION

INLAND BUILDINGS
INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

INLAND JOB NO. H0845

DWNG. NO. 1



ANCHOR BOLT PLAN
NOTE: All Base Plates @ 100'-0" (U.N.)

FOUNDATION NOTES:

1. GIVE TOP OF FOUNDATION A TROWEL FINISH. THE FOUNDATION MUST BE SQUARE, LEVEL, AND SMOOTH.
2. ANCHOR BOLTS MUST BE LOCATED BY MEANS OF A TEMPLATE. DO NOT HAND SET ANCHOR BOLTS.

CAUTION

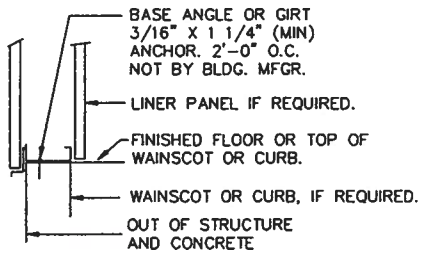
3. RIGID FRAMES HAVE BOTH HORIZONTAL AND VERTICAL REACTIONS ACTING AT THE BASE OF THE COLUMN. IN SOME CASES THE HORIZONTAL FORCE IS GREATER THAN THE VERTICAL. A FOUNDATION DESIGNED FOR A CONVENTIONAL STRUCTURE WILL NOT BE SATISFACTORY. FAILURE TO MAKE ADEQUATE PROVISION FOR THE HORIZONTAL THRUST CAN RESULT IN FOUNDATION FAILURE. DESIGN OF HAIRPINS OR TIE RODS TO CONTROL THE HORIZONTAL THRUST IS NOT FURNISHED BY INLAND BUILDINGS.

ISSUED FOR APPROVAL

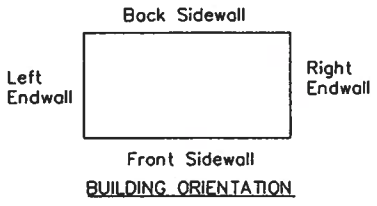
DELIVERY OF THIS PROJECT IS BASED UPON PROMPT RETURN OF APPROVAL PRINTS. PLEASE RETURN ONE SET OF SIGNED APPROVAL PRINTS TO OUR OFFICES. ANY CHANGES MADE ON THIS PROJECT AFTER APPROVAL MAY BE SUBJECT TO ADDITIONAL CHARGES AND DELAYS.

☐ APPROVED AS DRAWN
☐ APPROVED AS NOTED
☐ NOT APPROVED, RESUBMIT DO NOT FABRICATE

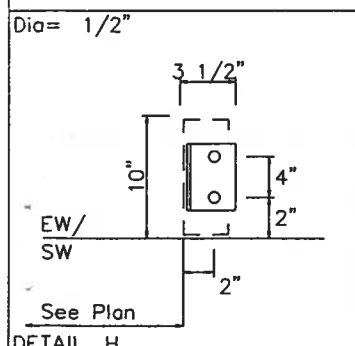
BY: _____ DATE: _____



BASE DETAIL



BUILDING ORIENTATION



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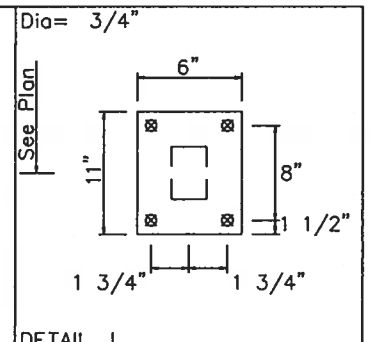
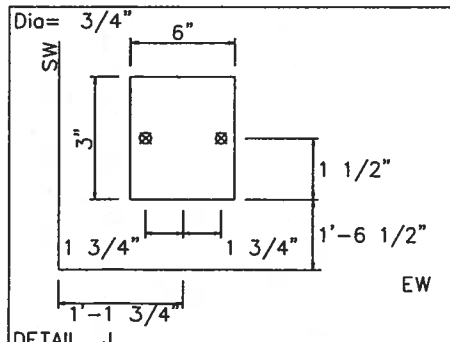


DETAIL I



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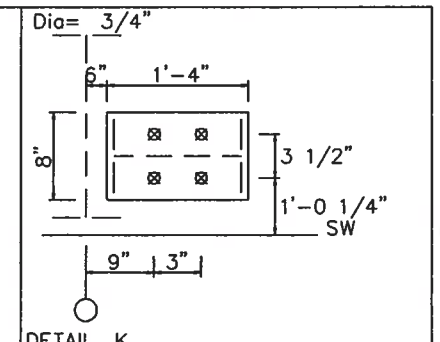

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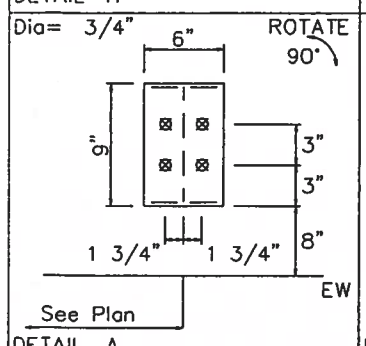

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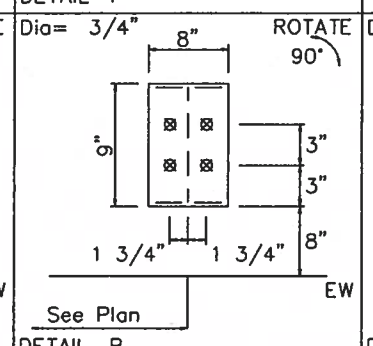
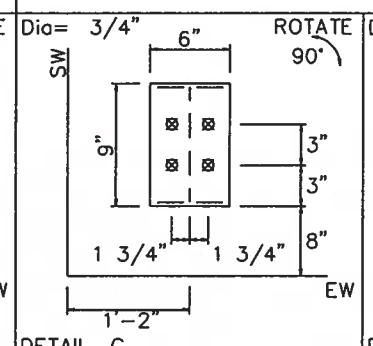


DETAIL B



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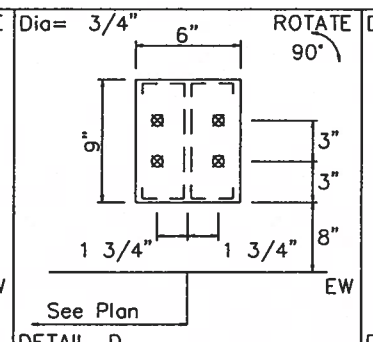

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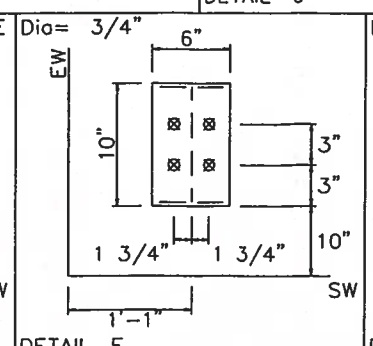
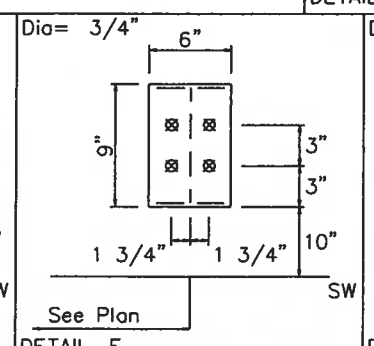
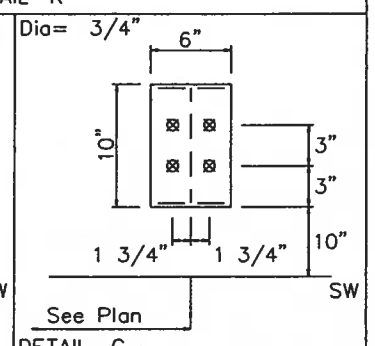


DETAIL E



DETAIL F



DETAIL G

NO	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

ANCHOR BOLT PLAN

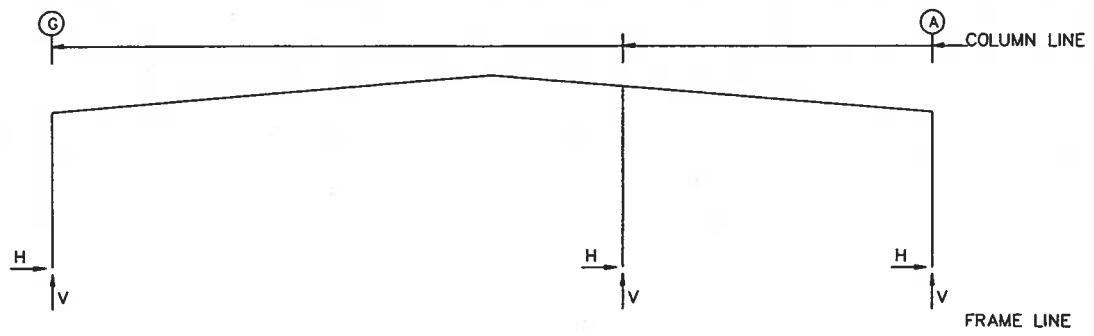
Job: HUB CITY #3
Location: LAKE CITY, FL 32025
Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

INLAND JOB NO.
H0845

DWNG. NO.
2



RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. Bolt No	D(in)	Base Plate (in) Wid	Len	Thk	Base Elev (in)
1	G	3	3.4	2.1	6	−4.0	−4.0	4	0.750	6.000	10.00	0.375	0.0
		8	1.9	3.5	10	1.1	−6.3						
1	A	7	3.8	−3.8	2	−3.2	−0.5	4	0.750	6.000	10.00	0.375	0.0
		1	−0.1	2.7	3	2.9	−5.4						
1	@ 12.0	1	0.0	4.1	3	0.0	−6.7	4	0.750	6.000	8.000	0.375	0.0
1	@ 32.0	1	0.0	5.4	2	0.0	−8.6	4	0.750	8.000	8.000	0.375	0.0
1	@ 52.0	1	0.0	5.3	9	0.0	−5.9	4	0.750	8.000	8.000	0.375	0.0
1	@ 72.0	1	0.0	5.1	10	0.0	−7.3	4	0.750	8.000	8.000	0.375	0.0
1	@ 92.0	1	0.0	5.6	10	0.0	−8.8	4	0.750	6.000	8.000	0.375	0.0

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. Bolt No	D(in)	Base Plate (in) Wid	Len	Thk	Base Elev (in)
2 *	G	5	3.8	4.2	6	−6.3	−8.8	4	0.750	6.000	10.00	0.500	0.0
		1	2.5	16.0	9	1.4	−20.4						
2 *	A	7	5.8	−5.3	4	−3.4	2.4	4	0.750	6.000	9.000	0.375	0.0
		1	−2.5	7.1	3	5.3	−9.4						
2 *	@ 74.0	1	0.0	28.5	10	0.0	−24.8	4	0.750	6.000	11.00	0.500	0.0

2 * Frame lines: 2 3

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_L1 Horiz	Wind_L1 Vert	Wind_R1 Horiz	Wind_R1 Vert	Wind_L2 Horiz	Wind_L2 Vert
1	G	0.02	0.56	0.00	0.00	0.08	0.96	−3.16	−5.52	3.35	1.78	−4.04	−4.33
1	A	−0.02	0.82	0.00	0.00	−0.08	1.85	−3.15	−0.98	2.96	−5.85	−2.27	0.61
1	@ 12.0	0.00	1.11	0.00	0.00	0.00	3.02	0.00	−3.24	0.00	−7.34	0.00	−1.72
1	@ 32.0	0.00	1.55	0.00	0.00	0.00	3.86	0.00	−9.53	0.00	−4.70	0.00	−6.87
1	@ 52.0	0.00	1.54	0.00	0.00	0.00	3.73	0.00	−6.03	0.00	−4.65	0.00	−3.90
1	@ 72.0	0.00	1.49	0.00	0.00	0.00	3.61	0.00	−3.91	0.00	−8.21	0.00	−1.52
1	@ 92.0	0.00	1.46	0.00	0.00	0.00	4.19	0.00	−7.46	0.00	−7.70	0.00	−4.97
2 *	G	0.56	3.93	0.00	0.00	1.99	12.12	−6.18	−19.46	2.28	−11.81	−6.67	−11.19
2 *	A	−0.56	1.72	0.00	0.00	−1.99	5.40	−1.75	−4.47	5.65	−10.44	−1.26	−0.37
2 *	@ 74.0	0.00	6.36	0.00	0.00	0.00	22.15	0.00	−26.08	0.00	−27.76	0.00	−12.36

Frame Line	Column Line	Wind_R2 Horiz	Wind_R2 Vert	Seismic_L Horiz	Seismic_L Vert	Seismic_R Horiz	Seismic_R Vert	LnWind_L Horiz	LnWind_L Vert	LnWind_R Horiz	LnWind_R Vert
1	G	2.47	2.97	0.00	0.00	0.00	0.00	2.08	−5.29	1.06	−6.63
1	A	3.84	−4.26	0.00	0.00	0.00	0.00	−1.21	−3.57	−1.93	−4.43
1	@ 12.0	0.00	−5.82	0.00	0.00	0.00	0.00				
1	@ 32.0	0.00	−2.04	0.00	0.00	0.00	0.00				
1	@ 52.0	0.00	−2.52	0.00	0.00	0.00	0.00				
1	@ 72.0	0.00	−5.83	0.00	0.00	0.00	0.00				
1	@ 92.0	0.00	−5.21	0.00	0.00	0.00	0.00				
2 *	G	1.79	−3.53	0.00	0.00	0.00	0.00	1.05	−22.73	0.09	−16.23
2 *	A	6.15	−6.34	0.00	0.00	0.00	0.00	−0.09	−6.12	−1.05	−9.85
2 *	@ 74.0	0.00	−14.04	0.00	0.00	0.00	0.00				

2 * Frame lines: 2 3

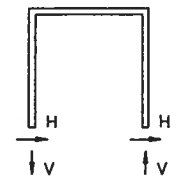
LOAD COMBINATIONS

Id	Description
1	DL+CL+LL
2	0.60DL+WL1
3	0.60DL+WR1
4	DL+CL+0.75LL+0.75WL1
5	DL+CL+0.75LL+0.75WR1
6	0.60DL+WL2
7	0.60DL+WR2
8	DL+CL+0.75LL+0.75WR2
9	0.60DL+LnWndL
10	0.60DL+LnWndR
11	0.60DL+WR1+WS
12	0.60DL+WP+LnWndL
13	0.60DL+WL1+WS

ANCHOR BOLT SUMMARY

	Qnt	Loc	Dia (in)	Proj (in)
O	12	DJ	1/2"	1.00
⊠	48	EW	3/4"	2.50
⊠	32	RF	3/4"	2.50
⊠	8	WF	3/4"	2.50
⊠	2	WB	3/4"	2.50

WIND BENT REACTIONS



Wall Loc	Wall Line	Col Line	± Reactions Wind(k) Horz	Wind(k) Vert	Seismic(k) Horz	Seismic(k) Vert	Anc_Bolt No	Anc_Bolt Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick
F_SW	A	2	5.17	7.04	0.00	0.00	4	0.750	8.00	16.00	0.38
F_SW	A	3	5.17	7.04	0.00	0.00	4	0.750	8.00	16.00	0.38

REACTION NOTES:

1. THE VERTICAL (V) AND HORIZONTAL (H AND Z) REACTION ARE STATED IN KIPS. (1 KIP = 1000 POUNDS) POSITIVE DIRECTION IS AS SHOWN IN THE FOLLOWING DIAGRAM.

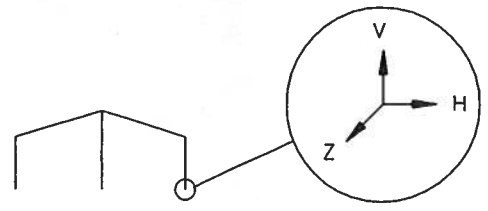
2. MOMENT REACTIONS ARE STATED IN FOOT-KIPS AND ARE POSITIVE IN A COUNTERCLOCKWISE DIRECTION.

3. THE FORCE ON THE ANCHOR BOLTS OR FOUNDATION WILL BE IN THE OPPOSITE DIRECTION TO THAT SHOWN.

4. MAXIMUM REACTION SUMMARY IS THE MAXIMUM POSITIVE AND NEGATIVE REACTIONS BASED ON THE REQUIRED LOAD COMBINATIONS.

5. SEISMIC REACTIONS SHOWN ARE CONSISTENT WITH THE BASE SHEAR (V) FROM THE SPECIFIED BUILDING CODE WITHOUT ADJUSTMENT FACTORS.

6. THE WIND LOAD BRACING REACTIONS DO NOT INCLUDE EWP, EWS, AND IP REACTIONS FROM THE INTERMEDIATE FRAME. THESE REACTIONS SHOULD BE ADDED TO GET THE TOTAL REACTIONS FOR THE FOUNDATION DESIGN.



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BY: _____ DATE: _____

060801

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/8/05	JBA	6/6/05		

ANCHOR BOLT PLAN

Job: HUB CITY #3

Location: LAKE CITY, FL 32025

Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

INLAND JOB NO. H0845

DWNG. NO. 3

ENDWALL COLUMN: REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Dead Vert	Coll Vert	Live Vert	Wind-Left Horiz	Wind-Left Vert	Wind-Right Horiz	Wind-Right Vert	Out-Of-Plane Wd P Horiz	Out-Of-Plane Wd S Horiz	Anc. Bolt No	Anc. Bolt D(in)	Base Plate (in) Wid	Base Plate (in) Len	Base Plate (in) Thk	Base Elev (in)
1	B	1.4	0.0	7.0	0.0	-5.4	0.0	-9.3	-4.1	4.5	4	0.750	6.000	9.000	0.375	0.0
1	C	1.4	0.0	5.7	0.0	-4.0	0.0	-6.3	-4.3	4.7	4	0.750	8.000	9.000	0.375	0.0
1	D	1.5	0.0	6.1	0.0	-4.6	0.0	-3.8	-4.5	4.9	4	0.750	8.000	9.000	0.375	0.0
1	E	1.5	0.0	6.1	0.0	-8.2	0.0	-4.8	-4.2	4.6	4	0.750	8.000	9.000	0.375	0.0
1	F	1.1	0.0	5.2	0.0	-6.7	0.0	-3.9	-3.0	3.3	4	0.750	6.000	9.000	0.375	0.0
4	A	0.7	0.0	3.0	0.0	-3.8	0.0	-2.2	-1.9	2.1	4	0.750	6.000	9.000	0.375	0.0
4	B	1.4	0.0	7.0	0.0	-9.3	0.0	-5.4	-4.0	4.4	4	0.750	6.000	9.000	0.375	0.0
4	C	1.2	0.0	5.7	0.0	-6.3	0.0	-4.0	-4.2	4.6	4	0.750	6.000	9.000	0.375	0.0
4	D	1.3	0.0	6.1	0.0	-3.8	0.0	-4.6	-4.4	4.8	4	0.750	6.000	9.000	0.375	0.0
4	E	1.3	0.0	6.1	0.0	-4.8	0.0	-8.2	-4.0	4.4	4	0.750	6.000	9.000	0.375	0.0
4	F	1.0	0.0	5.2	0.0	-3.9	0.0	-6.7	-2.9	3.2	4	0.750	6.000	9.000	0.375	0.0
4	G	0.4	0.0	1.4	0.0	-1.1	0.0	-1.8	-1.1	1.2	4	0.750	6.000	9.000	0.375	0.0

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Anc. Bolt No	Anc. Bolt D(in)	Base Plate (in) Wid	Base Plate (in) Len	Base Plate (in) Thk	Base Elev (in)
1	F	11	3.3	-3.2	12	-3.0	-6.1	4	0.750	6.000	9.000	0.375	0.0
		1	0.0	6.4									
1	E	11	4.6	-3.9	12	-4.2	-7.1	4	0.750	8.000	9.000	0.375	0.0
		1	0.0	7.6	13	4.6	-7.3						
1	D	11	4.9	-2.9	12	-4.5	-6.7	4	0.750	8.000	9.000	0.375	0.0
		1	0.0	7.6									
1	C	11	4.7	-5.5	12	-4.3	-6.5	4	0.750	8.000	9.000	0.375	0.0
		1	0.0	7.2									
1	B	11	4.5	-8.5	12	-4.1	-8.3	4	0.750	6.000	9.000	0.375	0.0
		1	0.0	8.5	11	4.5	-8.5						
4	A	11	2.1	-1.8	12	-1.9	-3.5	4	0.750	6.000	9.000	0.375	0.0
		1	0.0	3.7									
4	B	11	4.4	-4.5	12	-4.0	-8.3	4	0.750	6.000	9.000	0.375	0.0
		1	0.0	8.5	13	4.4	-8.5						
4	C	11	4.6	-3.3	12	-4.2	-6.6	4	0.750	6.000	9.000	0.375	0.0
		1	0.0	7.0									
4	D	11	4.8	-3.8	12	-4.4	-6.8	4	0.750	6.000	9.000	0.375	0.0
		1	0.0	7.4									
4	E	11	4.4	-7.5	12	-4.0	-7.2	4	0.750	6.000	9.000	0.375	0.0
		1	0.0	7.4	11	4.4	-7.5						
4	F	11	3.2	-6.1	12	-2.9	-6.1	4	0.750	6.000	9.000	0.375	0.0
		1	0.0	6.3									
4	G	11	1.2	-1.6	12	-1.1	-1.6	4	0.750	6.000	9.000	0.375	0.0
		1	0.0	1.9									

BRACING REACTIONS, PANEL SHEAR

Loc	Wall Line	Col Line	± Reactions (k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft)
L_EW	1	Rigid Frame At Endwall					
F_SW	A	Wind Bent In Wall					
R_EW	4						34
B_SW	G	4 ,3	5.2	3.1	0.0	0.0	
		2 ,1	5.2	3.2	0.0	0.0	

ISSUED FOR APPROVAL

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BY: _____ DATE: _____

060805

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

REACTIONS

Job: HUB CITY #3

Location: LAKE CITY, FL 32025

Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
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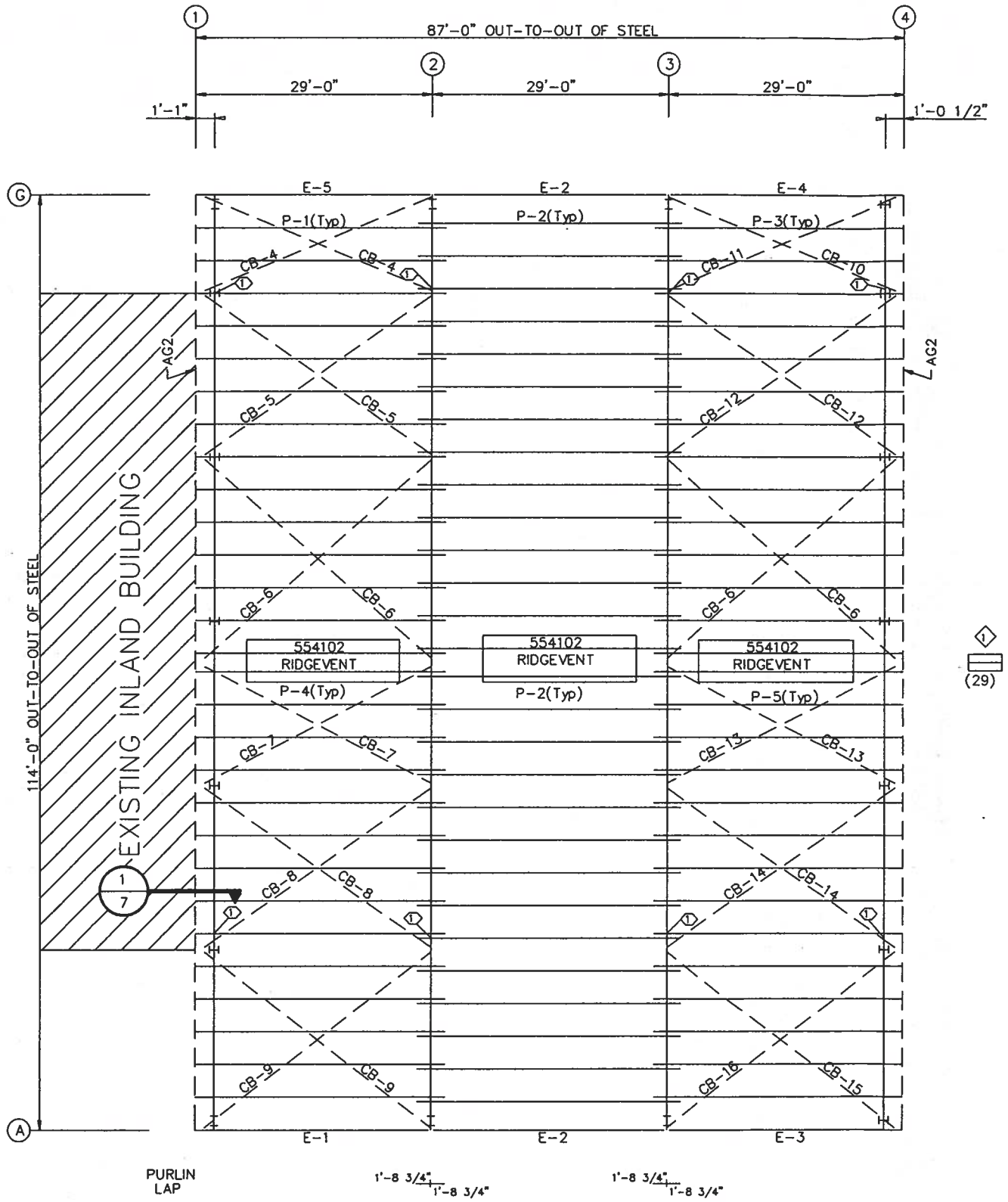
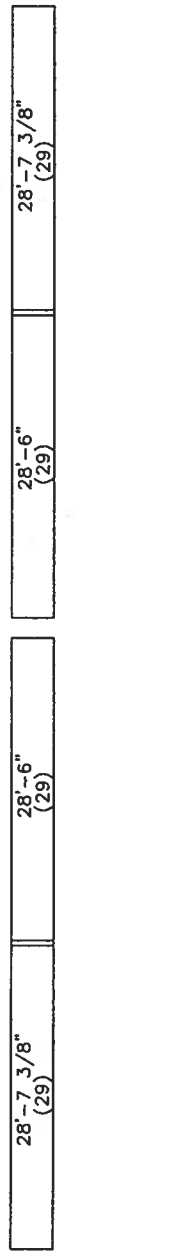
INLAND JOB NO.
H0845

DWNG. NO.
4



ROOF FRAMING PLAN



ROOF SHEETING

PANELS: 26 Ga. DR GALVALUME

ROOF PANELS MUST BE FIELD CUT AT RIDGEVENT LOCATIONS.

SPECIAL BOLTS & WASHERS ROOF PLAN					
◇ ID	QUAN	TYPE	DIA	LENGTH	W/BT
1	2	A325	1/2"	1 1/2"	2

TRIM TABLE ROOF PLAN	
◇ID	PART
1	TM28

MEMBER TABLE ROOF PLAN	
MARK	PART
P-1	10Z14
P-2	10Z14
P-3	10Z14
P-4	10Z14
P-5	10Z14
E-1	10E14
E-2	10E14
E-3	10E14
E-4	10E14
E-5	10E14
CB-4	WX5
CB-5	WX5
CB-6	WX4
CB-7	WX4
CB-8	WX4
CB-9	WX5
CB-10	WX5
CB-11	WX5
CB-12	WX5
CB-13	WX4
CB-14	WX4
CB-15	WX5
CB-16	WX5

ISSUED FOR APPROVAL

DELIVERY OF THIS PROJECT IS BASED UPON PROMPT RETURN OF APPROVAL PRINTS. PLEASE RETURN ONE SET OF SIGNED APPROVAL PRINTS TO OUR OFFICES. ANY CHANGES MADE ON THIS PROJECT AFTER APPROVAL MAY BE SUBJECT TO ADDITIONAL CHARGES AND DELAYS.

- ☐ APPROVED AS DRAWN
- ☐ APPROVED AS NOTED
- ☐ NOT APPROVED, RESUBMIT DO NOT FABRICATE

BY: _____ DATE: _____

060805

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

ROOF FRAMING

Job: HUB CITY #3

Location: LAKE CITY, FL 32025

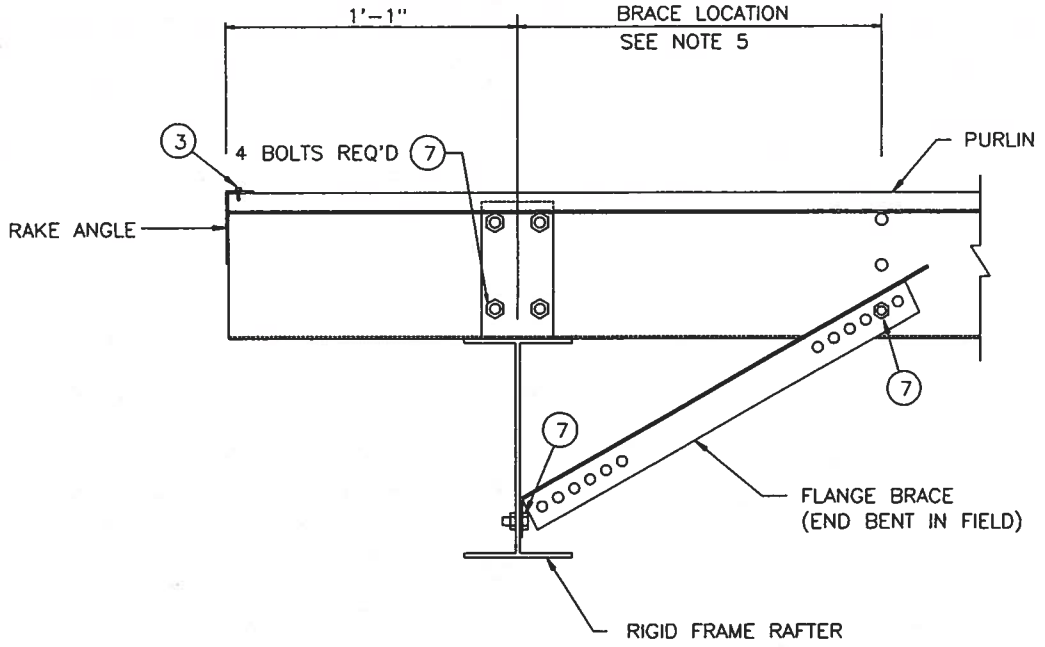
Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

INLAND JOB NO.
H0845

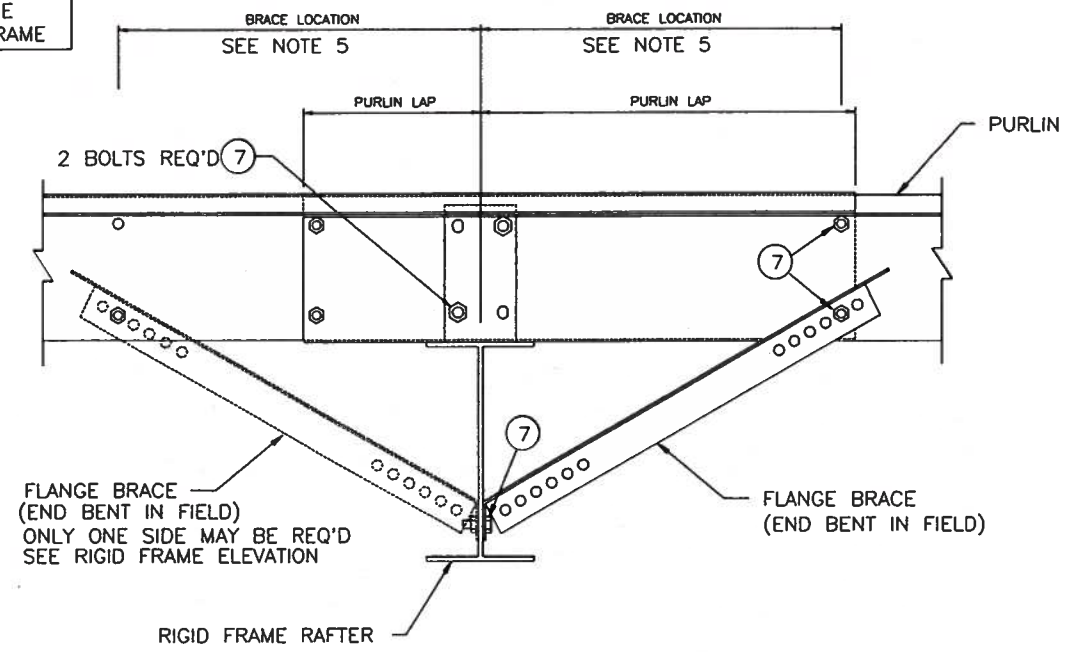
DWNG. NO.
5



DETAIL: PURLIN TO RIGID FRAME RAFTER AT END & FLANGE BRACE PLACEMENT

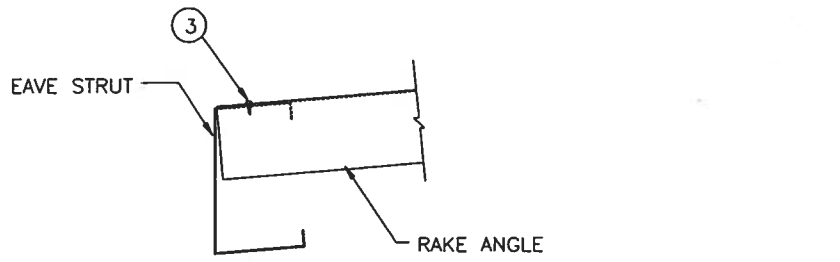
P005A

NOTE: PURLIN LAPS MAY VARY IN LENGTH AND MAY NOT NECESSARILY BE THE SAME ON EACH SIDE OF THE FRAME



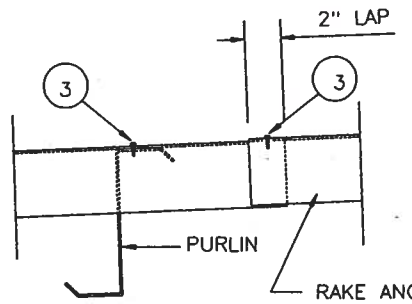
DETAIL: PURLIN LAP & FLANGE BRACE PLACEMENT

P001



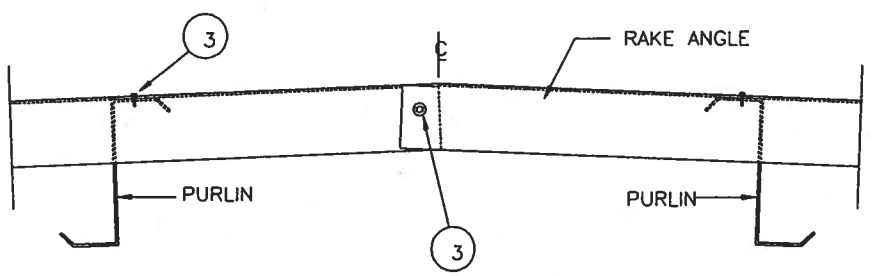
DETAIL: RAKE ANGLE TO EAVE STRUT

P021



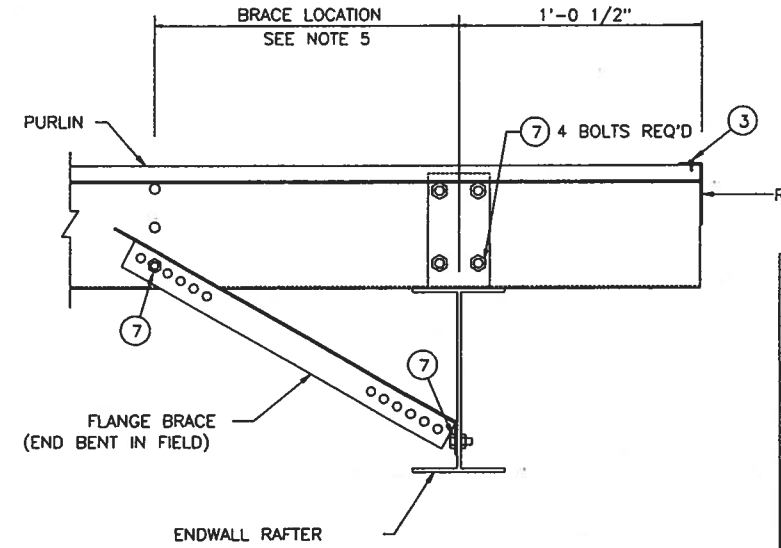
DETAIL: RAKE ANGLE TO PURLIN WITH RAKE ANGLE LAP

P023



DETAIL: RAKE ANGLE @ RIDGE

P024



DETAIL: PURLIN TO RIGID FRAME RAFTER AT END & FLANGE BRACE PLACEMENT

P005A

FASTENER SCHEDULE

LOC.	PART NUMBER	DESCRIPTION
(1)		AS NOTED ON RIGID FRAME ELEVATION
(2)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW
(3)	3228084	SCREW 12 X 1 HWH SD NW
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW
(5)	3228103	SCREW 1/4 X 1 1/4 LG-LF SD WW
(6)	3228099	SCREW 8 X 1/2 HWH SD NW
(7)	3188185	BOLT 1/2 X 1 1/4 HEX A307 UNPL & NUT (2688126)
(8)	3188186	BOLT 1/2 X 1 3/4 HEX A307 UNPL & NUT (2688126)
(9)	3188130	BOLT 5/8 X 2 1/4 HVHX A325T UNPL & NUT (2688101)
(10)	3188121	BOLT 3/4 X 1 1/2 HVHX A325T UNPL & NUT (2688102)
(11)	3188125	BOLT 3/4 X 2 1/2 HVHX A325T UNPL & NUT (2688102)
(12)	3228100 3228103	SCREW 1/4 X 7/8 FL-TP SD WW FOR DR ROOF SCREW 1/4 X 7/8 LG-LF SD WW FOR SSR
(13)	3228101 3228104	SCREW 12 X 1 1/4 FL-TP SD WW FOR DR ROOF SCREW 12 X 1 1/4 LG-LF SD WW FOR SSR

LOC.	PART NUMBER	DESCRIPTION
(14)	3228087	SCREW 12 X 1 1/4 HWH SD #5 PT NW
(15)	3188223	BOLT 1/2 X 1 1/2 HVHX A325T UNPL & NUT (2688137)
(16)	3208170	BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)
(17)	3228102	SCREW 12 X 2 FL-TP SD WW
(18)	3228098	SCREW 14 X 6 HWH ST 304SS NW
(19)	996011	BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)
(20)	3188003	BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)
(21)	3228122	SCREW 1/4 X 1 1/2 HWH SD NW
(22)		SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING
(23)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW
(24)	3228125	SCREW 1/4-20 X 1 1/4 HWH SHOULDER SD NW
(25)	3228126	SCREW #17 X 1 LG-LF ST WW

ABBREVIATIONS

HD	= HEAD
SD	= SELF DRILLING
ST	= SELF TAPPING
SS	= STAINLESS STEEL
PT	= POINT
RD	= ROUND
WW	= WITH WASHER
NW	= NO WASHER
FLT	= FLAT
HVHX	= HEAVY HEX
UNPL	= UNPLATED
PLTD	= PLATED
HWH	= HEX WASHER HEAD
FL-TP	= FLAT TOP
LG-LF	= LONG LIFE
PHPS	= PHILLIPS

NOTES:

1. FOR FLANGE BRACE LOCATIONS – SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
2. A-325T BOLTS SHALL BE TIGHTENED USING THE "TURN OF THE NUT" METHOD.
3. SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.
4. THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.
5. ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.
6. REPLACE STANDARD BOLT 7 WITH SPECIAL BOLT (13) WHEN INDICATED ON ROOF FRAMING PLAN.

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BY:_____ DATE:_____

060805

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

ERECTION DETAILS

Job: HUB CITY #3

Location: LAKE CITY, FL. 32025

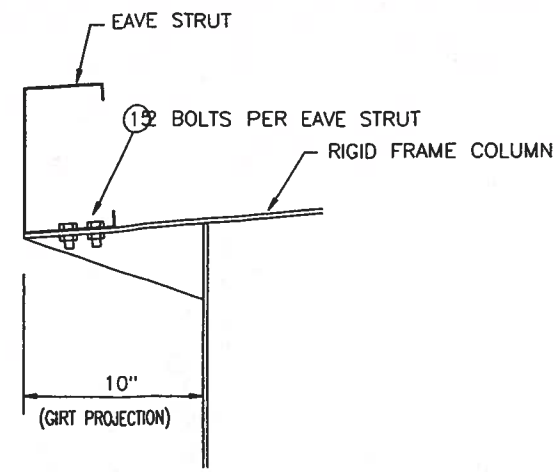
Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

INLAND JOB NO.
H0845

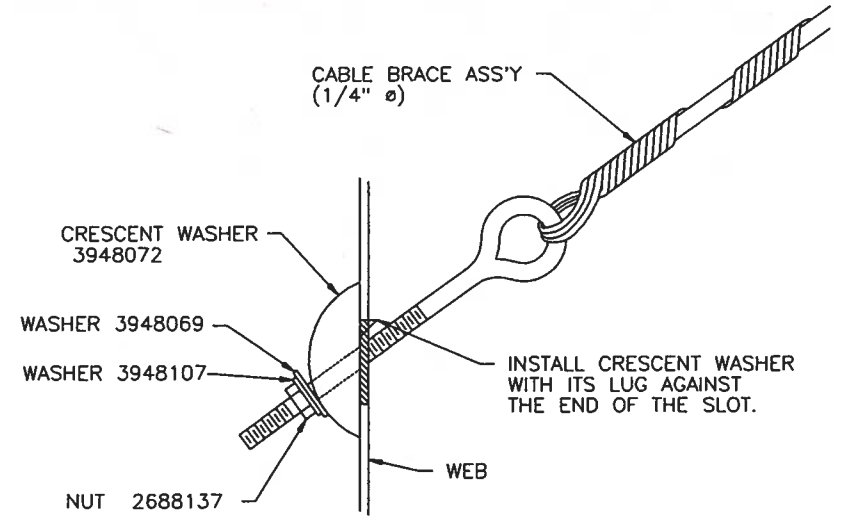
DWNG. NO.
6



LOW SIDE

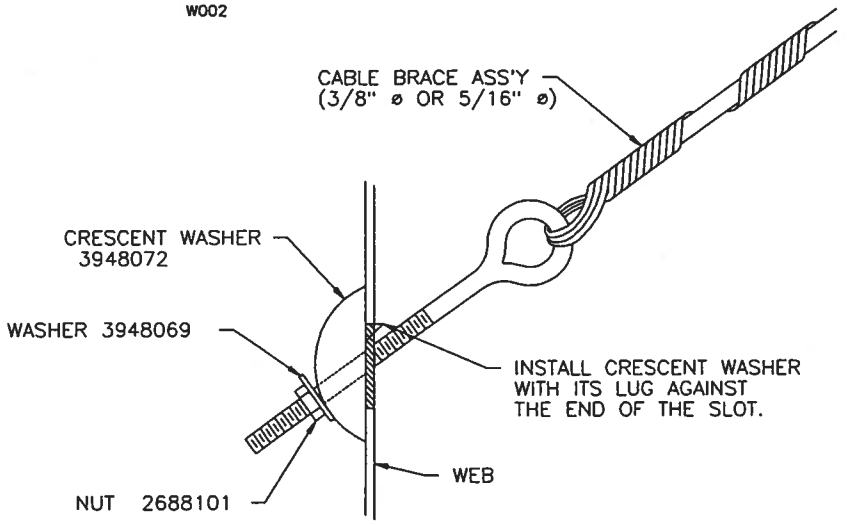
DETAIL: EAVE STRUT TO COLUMN

ES004



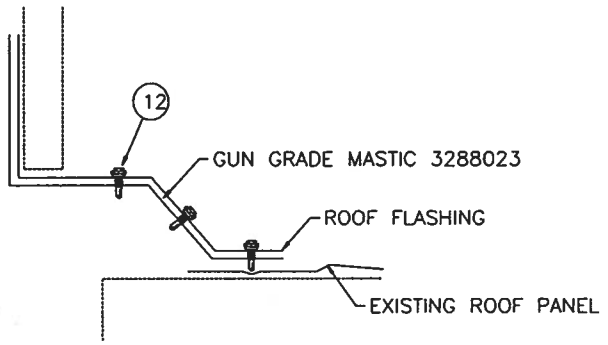
DETAIL : WIND BRACING

W002

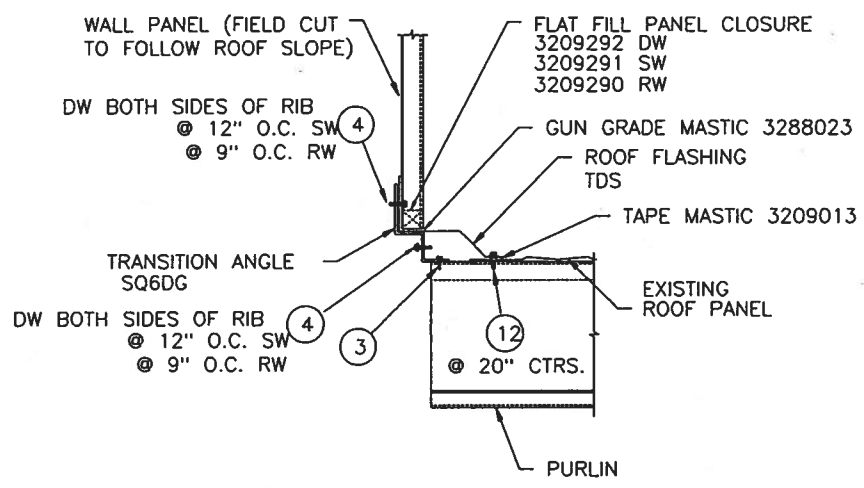


DETAIL : WIND BRACING

W001



DETAIL: 2" ENDLAP OF ROOF FLASHING



RAKE TO UPPER WALL FLASHING

IS106

SECTION 1/7

FASTENER SCHEDULE

LOC.	PART NUMBER	DESCRIPTION
(1)		AS NOTED ON RIGID FRAME ELEVATION
(2)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW
(3)	3228084	SCREW 12 X 1 HWH SD NW
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW
(5)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW
(6)	3228099	SCREW 8 X 1/2 HWH SD NW
(7)	3188185	BOLT 1/2 X 1 1/4 HEX A307 UNPL & NUT (2688126)
(8)	3188186	BOLT 1/2 X 1 3/4 HEX A307 UNPL & NUT (2688126)
(9)	3188130	BOLT 5/8 X 2 1/4 HVHX A325T UNPL & NUT (2688101)
(10)	3188121	BOLT 3/4 X 1 1/2 HVHX A325T UNPL & NUT (2688102)
(11)	3188125	BOLT 3/4 X 2 1/2 HVHX A325T UNPL & NUT (2688102)
(12)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW FOR DR ROOF
	3228103	SCREW 1/4 X 7/8 LG-LF SD WW FOR SSR
(13)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR DR ROOF
	3228104	SCREW 12 X 1 1/4 LG-LF SD WW FOR SSR

LOC.	PART NUMBER	DESCRIPTION
(14)	3228087	SCREW 12 X 1 1/4 HWH SD #5 PT NW
(15)	3188223	BOLT 1/2 X 1 1/2 HVHX A325T UNPL & NUT (2688137)
(16)	3208170	BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)
(17)	3228102	SCREW 12 X 2 FL-TP SD WW
(18)	3228098	SCREW 14 X 6 HWH ST 304SS NW
(19)	996011	BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)
(20)	3188003	BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)
(21)	3228122	SCREW 1/4 X 1 1/2 HWH SD NW
(22)		SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING
(23)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW
(24)	3228125	SCREW 1/4-20 X 1 1/4 HWH SHOULDER SD NW
(25)	3228126	SCREW #17 X 1 LG-LF ST WW

ABBREVIATIONS

HD	= HEAD
SD	= SELF DRILLING
ST	= SELF TAPPING
SS	= STAINLESS STEEL
PT	= POINT
RD	= ROUND
WW	= WITH WASHER
NW	= NO WASHER
FLT	= FLAT
HVHX	= HEAVY HEX
UNPL	= UNPLATED
PLTD	= PLATED
HWH	= HEX WASHER HEAD
FL-TP	= FLAT TOP
LG-LF	= LONG LIFE
PHPS	= PHILLIPS

NOTES:

1. FOR FLANGE BRACE LOCATIONS – SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
2. A-325T BOLTS SHALL BE TIGHTENED USING THE "TURN OF THE NUT" METHOD.
3. SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.
4. THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.
5. ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.
6. REPLACE STANDARD BOLT 7 WITH SPECIAL BOLT (15) WHEN INDICATED ON ROOF FRAMING PLAN.

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BY:_____ DATE:_____

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/8/05	JBA	6/6/05		

ERECTION DETAILS

Job: HUB CITY #3

Location: LAKE CITY, FL. 32025

Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

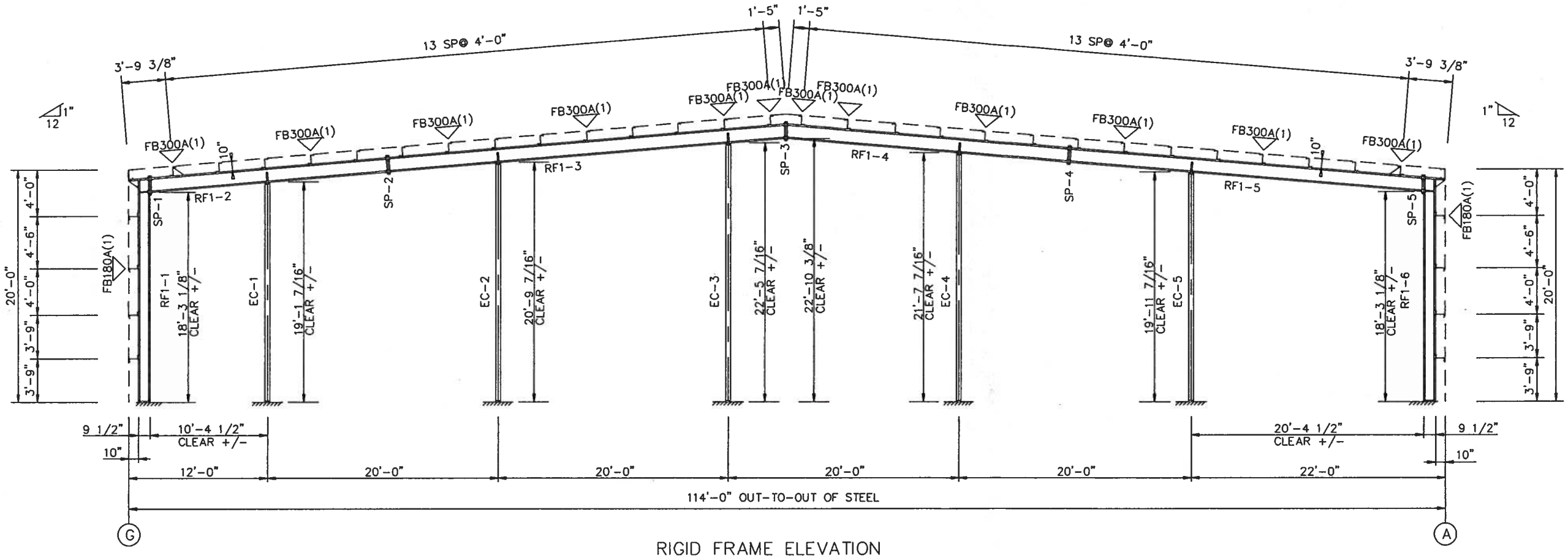
INLAND JOB NO. H0845

DWNG. NO. 7

SPLICE PLATES & BOLTS									CAP PLATE BOLTS					
Splice Mark	Quan Top	Bot	Int	Bolt Type	Dia	Len	Plate Size Wid	Thick Length	Col Id	Qnt	Typ	Dia	Len
Sp- 1	4	4	0	A325	0.750	2.50	6"	5/8" 1'-6 7/8"	EC-1	4	A325	0.500	1.50
Sp- 2	4	4	0	A325	0.750	2.50	6"	3/8" 1'-6 3/4"	EC-2	4	A325	0.500	1.50
Sp- 3	4	4	0	A325	0.750	2.50	6"	3/8" 1'-6 7/8"	EC-3	4	A325	0.500	1.50
Sp- 4	4	4	0	A325	0.750	2.50	6"	3/8" 1'-6 3/4"	EC-4	4	A325	0.500	1.50
Sp- 5	4	4	0	A325	0.750	2.50	6"	5/8" 1'-6 7/8"	EC-5	4	A325	0.500	1.50

▽FLANGE BRACES: Both Sides(U.N.)
A - L1.5x16G

MEMBER SIZE TABLE (in)					
PIECE	WEB DEPTH START/END	WEB PLATE THICK	WEB PLATE LENGTH	OUTSIDE FLANGE W x T x LEN	INSIDE FLANGE W x T x LEN
RF1-1	9.0/ 9.0	0.135	215.5	6 x 1/4" x 230.2	6 x 1/4" x 215.5
	9.0/ 9.0	0.164	15.4	6 x 1/4" x 19.3	
RF1-2	12.0/12.0	0.135	252.0	6 x 1/4" x 251.0	6 x 1/4" x 252.0
RF1-3	12.0/12.0	0.135	413.6	6 x 1/4" x 413.6	6 x 1/4" x 412.6
RF1-4	12.0/12.0	0.135	293.2	6 x 1/4" x 293.2	6 x 1/4" x 292.2
RF1-5	12.0/12.0	0.135	372.5	6 x 1/4" x 371.4	6 x 1/4" x 372.5
RF1-6	9.0/ 9.0	0.164	15.4	6 x 1/4" x 19.3	6 x 1/4" x 215.5
	9.0/ 9.0	0.135	215.5	6 x 1/4" x 230.2	
EC-1	B0850413				
EC-2	B0880513				
EC-3	B0880513				
EC-4	B0880513				
EC-5	B0850413				



RIGID FRAME ELEVATION
FOR FRAME LINE 1

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☐ APPROVED AS NOTED
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BY: _____ DATE: _____

060808

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

RIGID FRAME ELEVATION

Job: HUB CITY #3
Location: LAKE CITY, FL 32025
Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS
INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

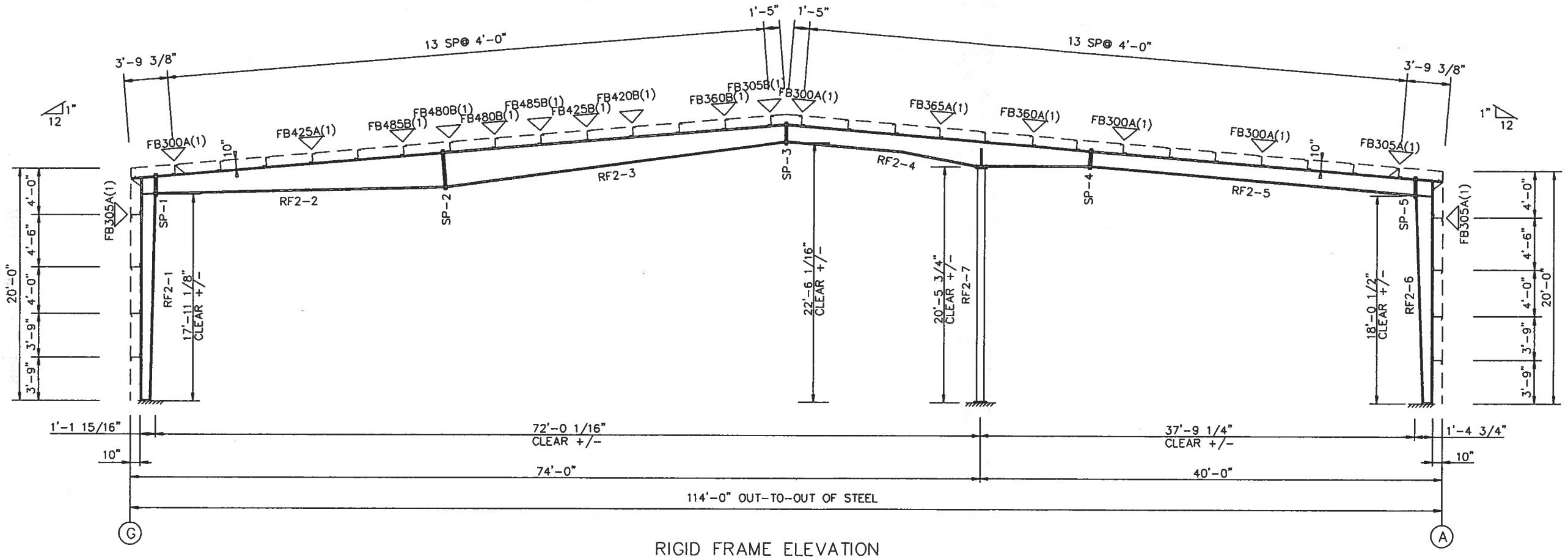
INLAND JOB NO.
H0845

DWNG. NO.
8

SPLICE PLATES & BOLTS									CAP PLATE BOLTS				
Splice Mark	Quan Top	Bot	Int	Type	Dia	Len	Plate Size Wid	Thick Length	Col Id	Qnt	Typ	Dia	Len
Sp- 1	4	4	0	A325	1.000	3.00	6"	3/4" 1'-11"	RF2-7	4	A325	0.500	2.00
Sp- 2	4	4	0	A325	1.000	3.00	6"	3/4" 3'-5"					
Sp- 3	4	4	0	A325	1.000	3.00	6"	3/4" 1'-11 1/8"					
Sp- 4	4	4	0	A325	1.000	3.00	6"	3/4" 1'-8 7/8"					
Sp- 5	4	4	0	A325	1.000	3.00	6"	3/4" 1'-9 7/8"					

▽FLANGE BRACES: Both Sides(U.N.)
A - L1.5x16G
B - L2x14Ga

MEMBER SIZE TABLE (in)					
PIECE	WEB DEPTH START/END	WEB PLATE THICK	WEB PLATE LENGTH	OUTSIDE FLANGE W x T x LEN	INSIDE FLANGE W x T x LEN
RF2-1	8.0/13.3	0.135	211.5	6 x 3/8" x 229.8	6 x 5/16" x 211.5
	13.3/13.3	0.188	19.4	6 x 3/8" x 23.7	
RF2-2	16.0/34.0	0.164	300.2	6 x 1/4" x 118.9	6 x 5/16" x 300.8
				6 x 3/8" x 180.0	
RF2-3	34.0/16.0	0.164	360.0	6 x 1/2" x 360.0	6 x 3/8" x 180.2
					6 x 1/2" x 178.8
RF2-4	16.0/16.0	0.164	120.0	6 x 5/16" x 317.9	6 x 5/16" x 118.6
	16.0/24.0	0.188	77.9		6 x 5/16" x 78.3
	24.0/14.1	0.164	120.0		6 x 5/16" x 120.4
RF2-5	14.0/15.0	0.135	339.3	6 x 1/4" x 338.1	6 x 1/4" x 339.3
RF2-6	16.3/16.3	0.164	18.4	6 x 1/4" x 26.6	6 x 1/4" x 213.0
	16.3/ 8.0	0.135	212.9	6 x 1/4" x 229.9	
RF2-7	T5X3/16				



RIGID FRAME ELEVATION
FOR FRAME LINE 2 3

THIS SET OF PRINTS IS FOR APPROVAL PURPOSES ONLY

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BY: _____ DATE: _____

060805

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

RIGID FRAME ELEVATION

Job: HUB CITY #3
Location: LAKE CITY, FL 32025
Builder: SIMQUE CONSTRUCTION

Inland
BUILDINGS
INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

INLAND JOB NO.
H0845

DWNG. NO.
9

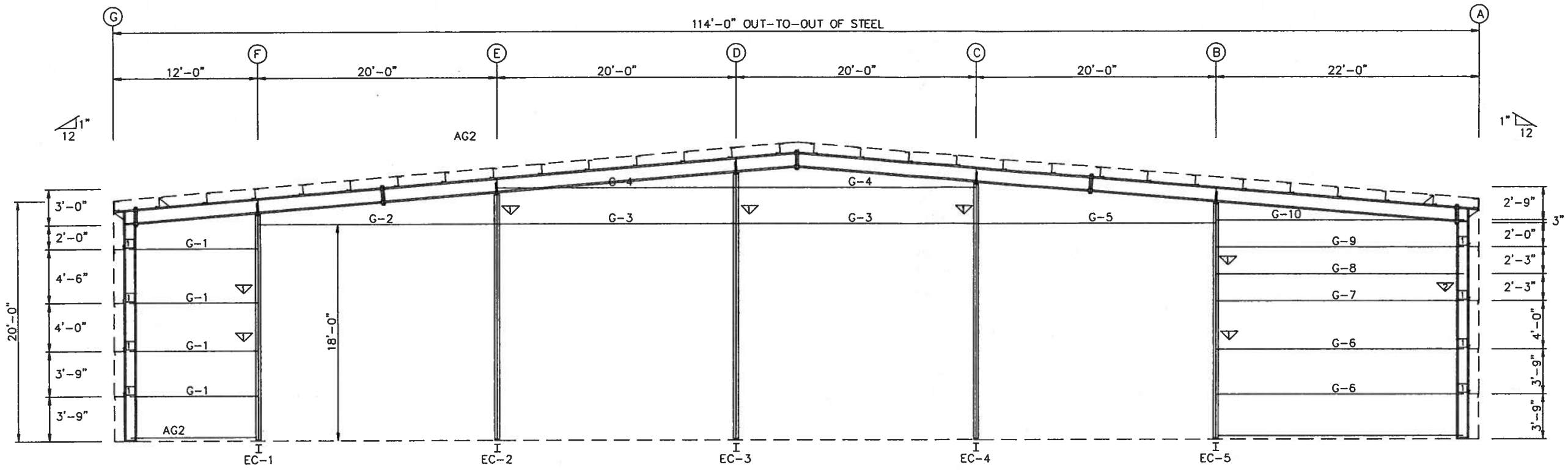
BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns	4	A325	1/2"	1 1/2"

FLANGE BRACE TABLE FRAME LINE 1		
▽ID	MARK	LENGTH
1	FB185A	1'-6 1/2"
2	FB125A	1'-0 1/2"

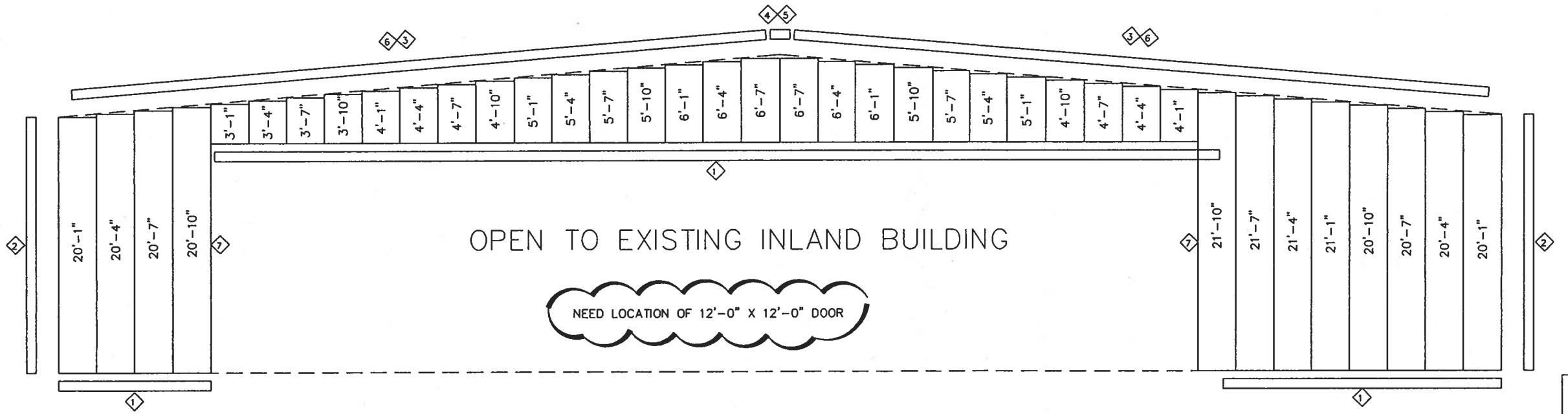
TRIM TABLE FRAME LINE 1	
◇ID	PART
1	TW11-20
2	TW1-20
3	TE34
4	TR3-1
5	TR92
6	TR1-20
7	TW55-20

CONNECTION PLATES FRAME LINE 1	
□ID	MARK/PART
1	MP234

MEMBER TABLE FRAME LINE 1	
MARK	PART
EC-1	B0850413
EC-2	B0880513
EC-3	B0880513
EC-4	B0880513
EC-5	B0850413
G-1	8Z16
G-2	8CG14
G-3	8CG16
G-4	8Z14
G-5	8CG13
G-6	8Z12
G-7	8Z13
G-8	8Z15
G-9	8Z15
G-10	8Z13



LEFT ENDWALL FRAMING: FRAME LINE 1



LEFT ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. DW - ASH GRAY

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BY: _____ DATE: _____

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	8/1/05	RAH	8/8/05	JBA	6/6/05		

ENDWALL FRAMING

Job: HUB CITY #3

Location: LAKE CITY, FL 32025

Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
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PHONE: 800-438-1606
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INLAND JOB NO.
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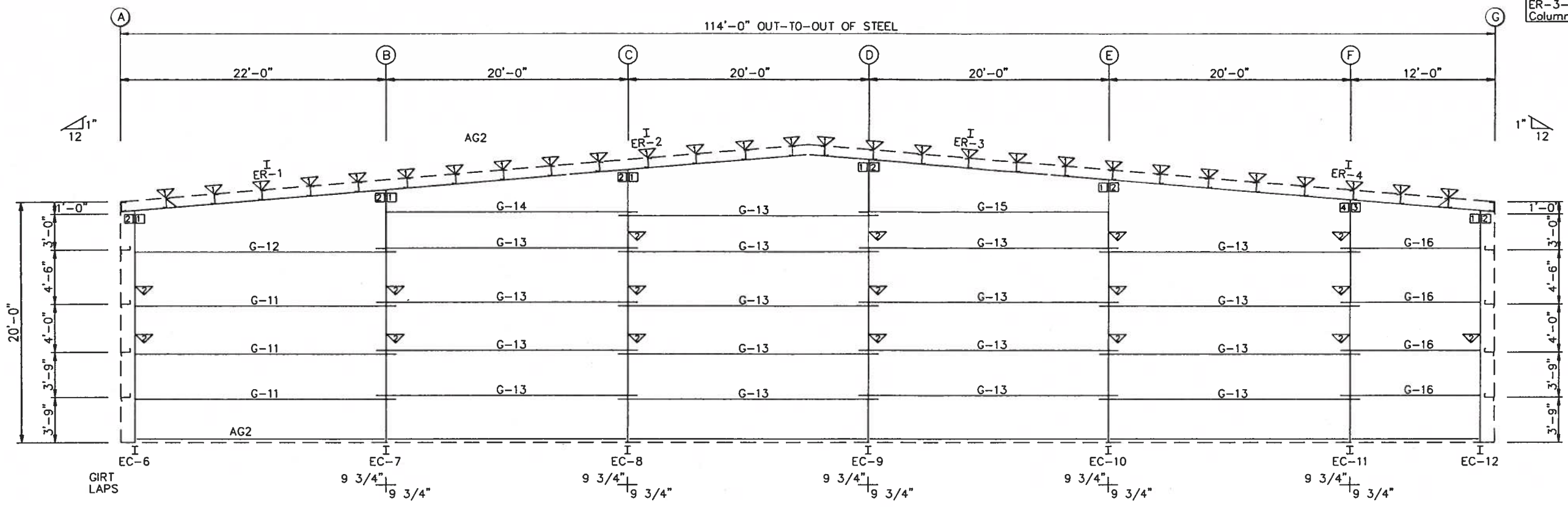
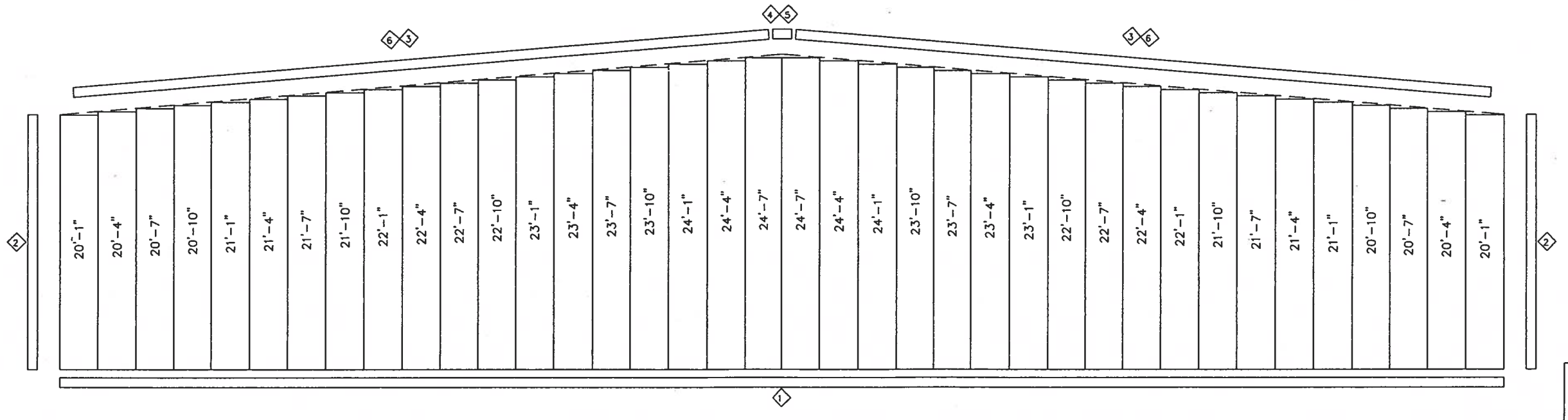
DWNG. NO.
10



RIGHT ENDWALL FRAMING: FRAME LINE 4



RIGHT ENDWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 26 Ga. DW – ASH GRAY

BOLT TABLE FRAME LINE 4				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1–ER-2	8	A325	5/8"	2 1/4"
ER-2–ER-3	8	A325	5/8"	2 1/4"
ER-3–ER-4	8	A325	5/8"	2 1/4"
Columns	8	A325	1/2"	1 1/2"

FLANGE BRACE TABLE FRAME LINE 4		
ID	MARK	LENGTH
1	FB180A	1'-6"
2	FB185A	1'-6 1/2"

TRIM TABLE FRAME LINE 4	
ID	PART
1	TW11-20
2	TW1-20
3	TE34
4	TR3-1
5	TR92
6	TR1-20

CONNECTION PLATES FRAME LINE 4	
ID	MARK/PART
1	CP131
2	CP130
3	CP128
4	CP129

MEMBER TABLE FRAME LINE 4	
MARK	PART
EC-6	W8X10
EC-7	B0850413
EC-8	B0850413
EC-9	B0850413
EC-10	B0850413
EC-11	8DC13
EC-12	W8X10
ER-1	W10X12
ER-2	W10X12
ER-3	W10X12
ER-4	W10X12
G-11	8Z16
G-12	8Z14
G-13	8Z16
G-14	8Z16
G-15	8Z16
G-16	8Z16

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BY: _____ DATE: _____

060808

NO.	DRAWN	CHECKED	DESIGNER	APPROVALS	DATE	REMARKS
A	BBR	RAH	JBA		6/1/05	
					6/6/05	

ENDWALL FRAMING

Job: HUB CITY #3

Location: LAKE CITY, FL 32025

Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

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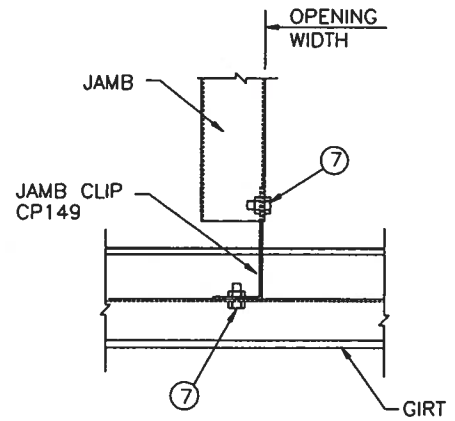
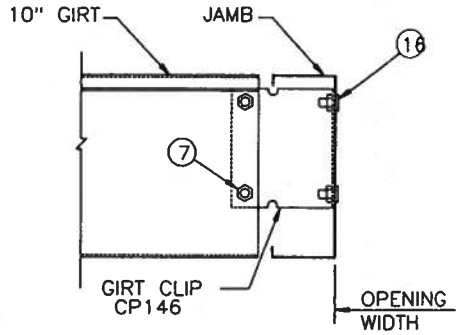
INLAND JOB NO. H0845

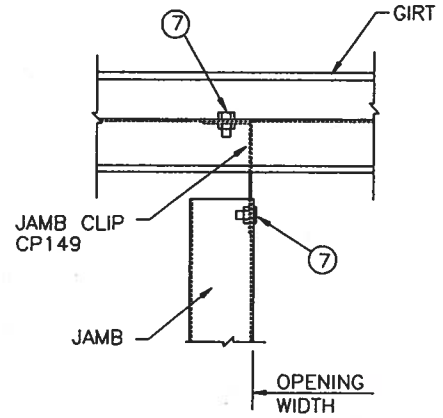
DWNG. NO. 11



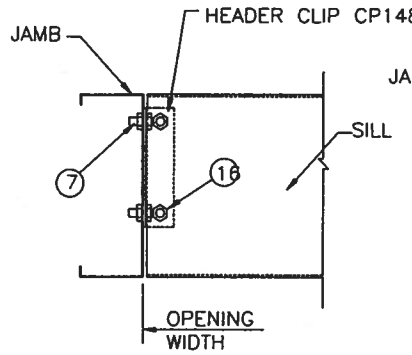
SECTION AT BASE OF JAMB



SECTION AT GIRT
BETWEEN HEADER & SILL
(WHEN REQ'D)

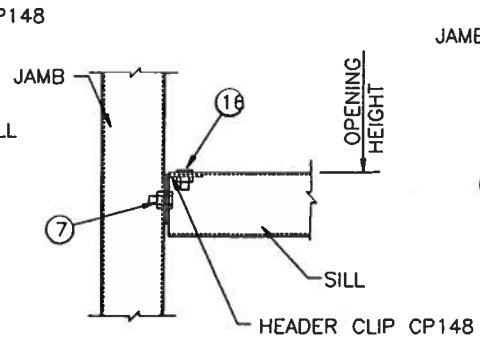


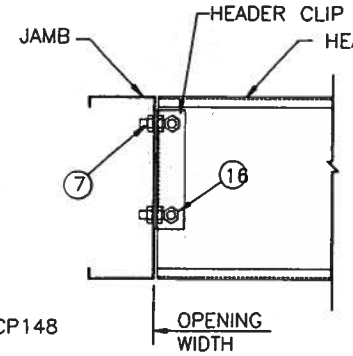
SECTION AT TOP OF JAMB

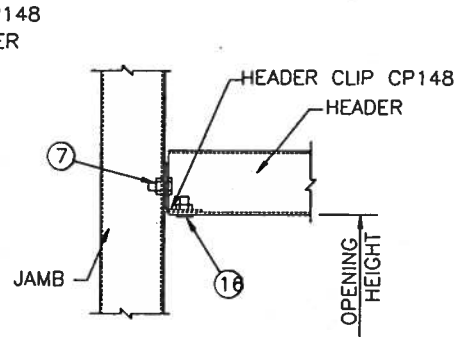


SECTION AT SILL

SILL SHALL BE NO CLOSER THAN 9" ABOVE GIRT







SECTION AT HEADER

HEADER SHALL BE NO CLOSER THAN 9" BELOW GIRT

OPENING IS TO BE FIELD LOCATED, FIELD CUTTING & DRILLING IS REQ'D

DETAIL: FRAMED OPENING W/ SILL (BETWEEN 10" GIRTS)

D230

FASTENER SCHEDULE

LOC.	PART NUMBER	DESCRIPTION
(1)		AS NOTED ON RIGID FRAME ELEVATION
(2)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW
(3)	3228084	SCREW 12 X 1 HWH SD NW
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW
(5)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW
(6)	3228095	SCREW 8 X 1/2 HWH SD NW
(7)	3188185	BOLT 1/2 X 1 1/4 HEX A307 UNPL & NUT (2688126)
(8)	3188186	BOLT 1/2 X 1 3/4 HEX A307 UNPL & NUT (2688126)
(9)	3188130	BOLT 5/8 X 2 1/4 HVHX A325T UNPL & NUT (2688101)
(10)	3188121	BOLT 3/4 X 1 1/2 HVHX A325T UNPL & NUT (2688102)
(11)	3188125	BOLT 3/4 X 2 1/2 HVHX A325T UNPL & NUT (2688102)
(12)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW FOR DR ROOF
	3228103	SCREW 1/4 X 7/8 LG-LF SD WW FOR SSR
(13)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR DR ROOF
	3228104	SCREW 12 X 1 1/4 LG-LF SD WW FOR SSR

LOC.	PART NUMBER	DESCRIPTION
(14)	3228087	SCREW 12 X 1 1/4 HWH SD #5 PT NW
(15)	3188223	BOLT 1/2 X 1 1/2 HVHX A325T UNPL & NUT (2688137)
(16)	3208170	BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)
(17)	3228102	SCREW 12 X 2 FL-TP SD WW
(18)	3228098	SCREW 14 X 6 HWH ST 304SS NW
(19)	996011	BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)
(20)	3188003	BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)
(21)	3228122	SCREW 1/4 X 1 1/2 HWH SD NW
(22)		SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING
(23)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW
(24)	3228125	SCREW 1/4-20 X 1 1/4 HWH SHOULDER SD NW
(25)	3228126	SCREW #17 X 1 LG-LF ST WW

ABBREVIATIONS

HD	= HEAD
SD	= SELF DRILLING
ST	= SELF TAPPING
SS	= STAINLESS STEEL
PT	= POINT
RD	= ROUND
WW	= WITH WASHER
NW	= NO WASHER
FLT	= FLAT
HVHX	= HEAVY HEX
UNPL	= UNPLATED
PLTD	= PLATED
HWH	= HEX WASHER HEAD
FL-TP	= FLAT TOP
LG-LF	= LONG LIFE
PHPS	= PHILLIPS

NOTES:

1. FOR FLANGE BRACE LOCATIONS – SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
2. A-325T BOLTS SHALL BE TIGHTENED USING THE "TURN OF THE NUT" METHOD.
3. SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.
4. THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.
5. ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.
6. REPLACE STANDARD BOLT 7 WITH SPECIAL BOLT (13) WHEN INDICATED ON ROOF FRAMING PLAN.

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ERECTION DETAILS

Job: HUB CITY #3
Location: LAKE CITY, FL. 32025
Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

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2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
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INLAND JOB NO.
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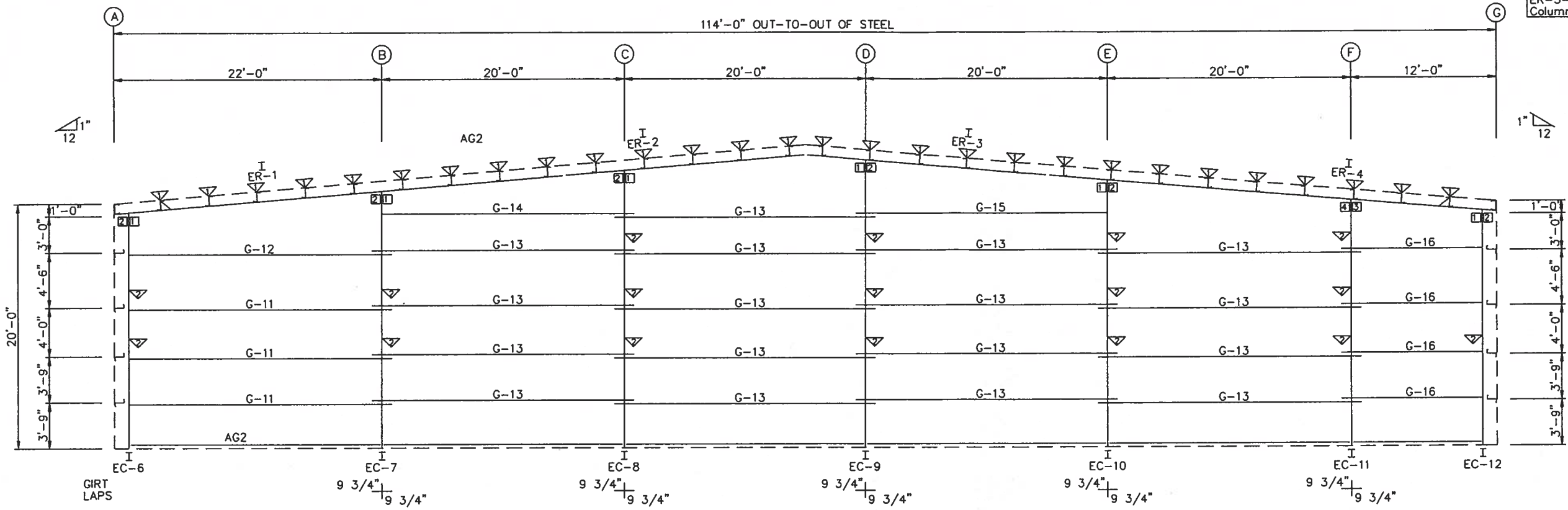
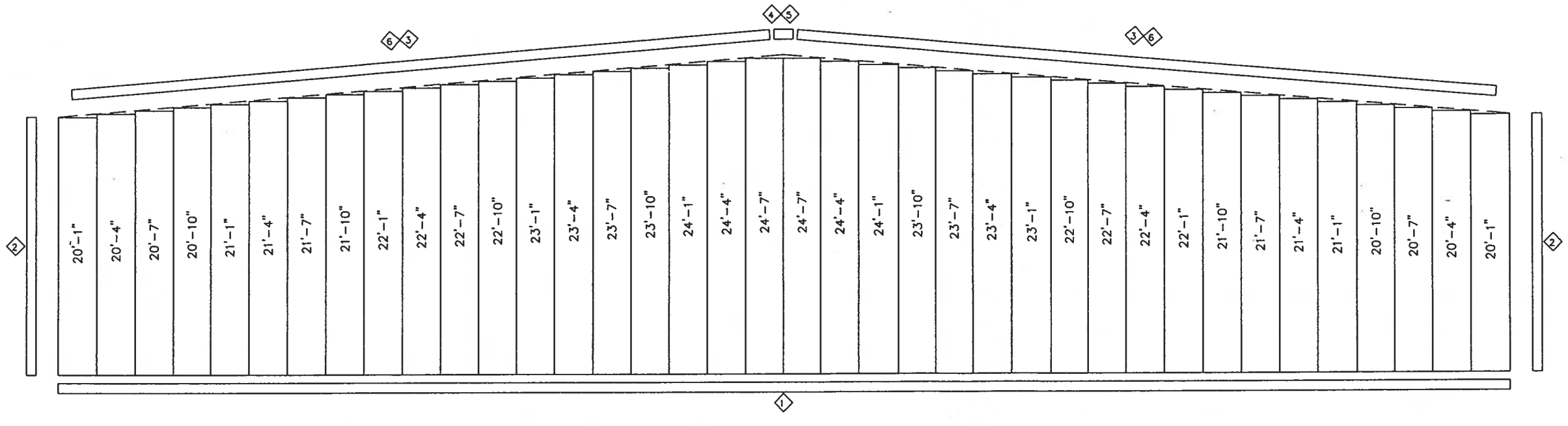
18



RIGHT ENDWALL FRAMING: FRAME LINE 4



RIGHT ENDWALL SHEETING & TRIM: FRAME LINE 4

PANELS: 26 Ga. DW – ASH GRAY

BOLT TABLE FRAME LINE 4				
LOCATION	QUAN	TYPE	DIA	LENGTH
ER-1-ER-2	8	A325	5/8"	2 1/4"
ER-2-ER-3	8	A325	5/8"	2 1/4"
ER-3-ER-4	8	A325	5/8"	2 1/4"
Columns	8	A325	1/2"	1 1/2"

FLANGE BRACE TABLE FRAME LINE 4		
▽ID	MARK	LENGTH
1	FB180A	1'-6"
2	FB185A	1'-6 1/2"

TRIM TABLE FRAME LINE 4	
◇ID	PART
1	TW11-20
2	TW1-20
3	TE34
4	TR3-1
5	TR92
6	TR1-20

CONNECTION PLATES FRAME LINE 4	
□ID	MARK/PART
1	CP131
2	CP130
3	CP128
4	CP129

MEMBER TABLE FRAME LINE 4	
MARK	PART
EC-6	W8X10
EC-7	B0850413
EC-8	B0850413
EC-9	B0850413
EC-10	B0850413
EC-11	8DC13
EC-12	W8X10
ER-1	W10X12
ER-2	W10X12
ER-3	W10X12
ER-4	W10X12
G-11	8Z16
G-12	8Z14
G-13	8Z16
G-14	8Z16
G-15	8Z16
G-16	8Z16

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BY: _____ DATE: _____

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NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

ENDWALL FRAMING

Job: HUB CITY #3
Location: LAKE CITY, FL 32025
Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
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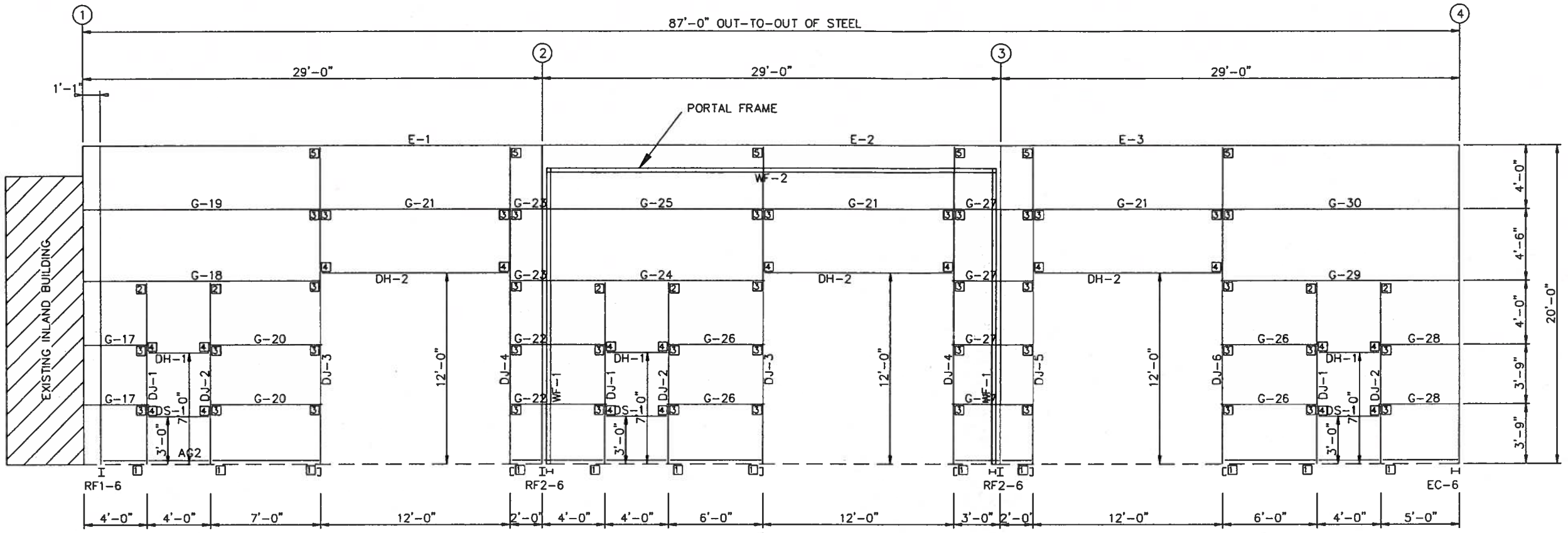
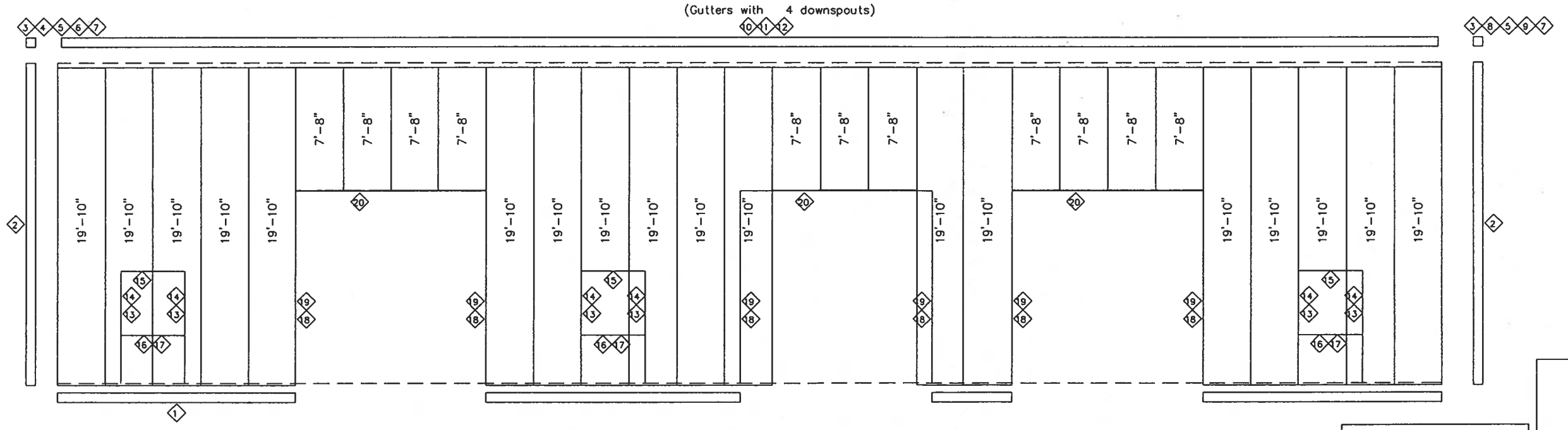
FAX: 800-438-1626

INLAND JOB NO.
H0845

DWNG. NO.
11



FRONT SIDEWALL FRAMING: FRAME LINE A



FRONT SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. DW – ASH GRAY

BOLT TABLE FRAME LINE A				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 – WF-2	8	A325	1"	3"

TRIM TABLE FRAME LINE A	
ID	PART
1	TW11-20
2	TW1-20
3	TE13
4	TE68
5	TE91
6	TE79
7	TE15-1
8	TE69
9	TE78
10	TE89-20
11	TE22-20
12	TE34
13	TW16
14	TW15
15	TW14
16	TW58-12
17	3209292
18	TW24-12
19	TW23-12
20	TW21-12

CONNECTION PLATES FRAME LINE A	
ID	MARK/PART
1	CP147
2	CP149
3	CP96
4	CP148
5	CP152

MEMBER TABLE FRAME LINE A	
MARK	PART
WF-1	B1680513
WF-2	B1680513
DJ-1	10CG14
DJ-2	10CG14
DJ-3	10CG12
DJ-4	10CG14
DJ-5	10CG14
DJ-6	10CG12
DH-1	10CG14
DH-2	10CG14
DS-1	10CG14
E-1	10E14-01
E-2	10E14-01
E-3	10E14-01
G-17	10Z14
G-18	10Z14
G-19	10Z14
G-20	10Z14
G-21	10Z14
G-22	10Z14
G-23	10Z14
G-24	10Z14
G-25	10Z14
G-26	10Z14
G-27	10Z14
G-28	10Z14
G-29	10Z14
G-30	10Z14

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

SIDEWALL FRAMING

Job: HUB CITY #3

Location: LAKE CITY, FL 32025

Builder: SIMQUE CONSTRUCTION

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BY: _____ DATE: _____

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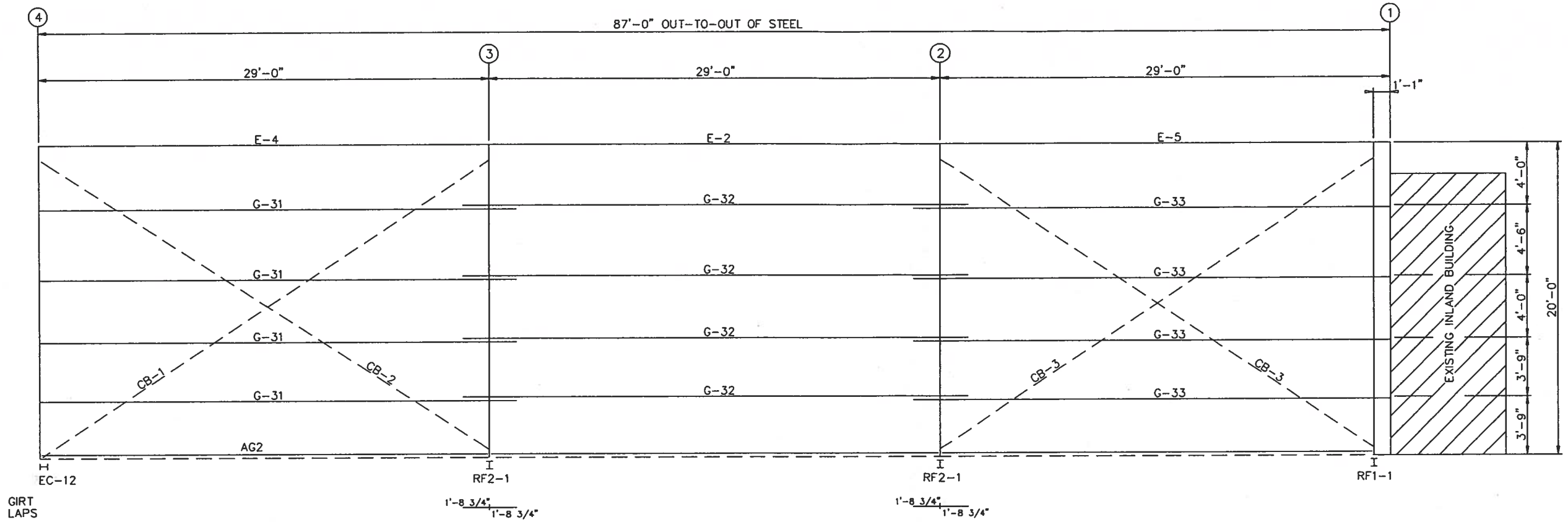
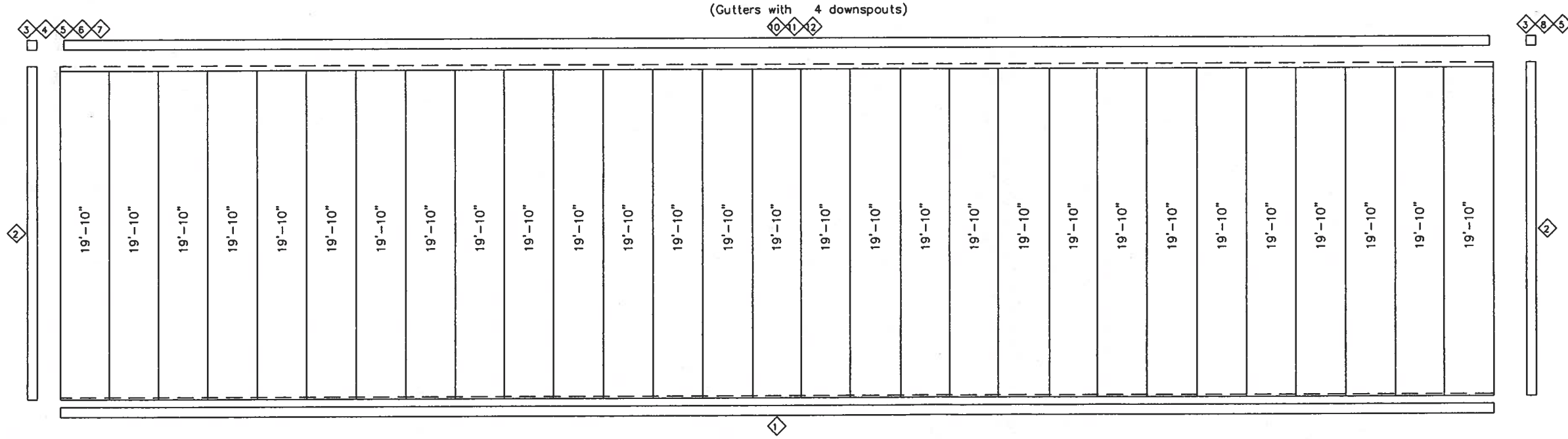
INLAND JOB NO.
H0845

DWNG. NO.
12



BACK SIDEWALL FRAMING: FRAME LINE G



BACK SIDEWALL SHEETING & TRIM: FRAME LINE G

PANELS: 26 Ga. DW – ASH GRAY

NEED TO DETERMINE TYPE OF GUTTER RIB CONCEALING OR NORHTERN

TRIM TABLE FRAME LINE G	
◇ID	PART
1	TW11-20
2	TW1-20
3	TE13
4	TE68
5	TE91
6	TE79
7	TE15-1
8	TE69
9	TE78
10	TE89-20
11	TE22-20
12	TE34

MEMBER TABLE FRAME LINE G	
MARK	PART
E-2	10E14-01
E-4	10E14-01
E-5	10E14-01
G-31	10Z14
G-32	10Z14
G-33	10Z14
CB-1	WX6
CB-2	WX6
CB-3	WX6

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BY: _____ DATE: _____

060805

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A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

SIDEWALL FRAMING

Job: HUB CITY #3

Location: LAKE CITY, FL 32025

Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

INLAND JOB NO.
H0845

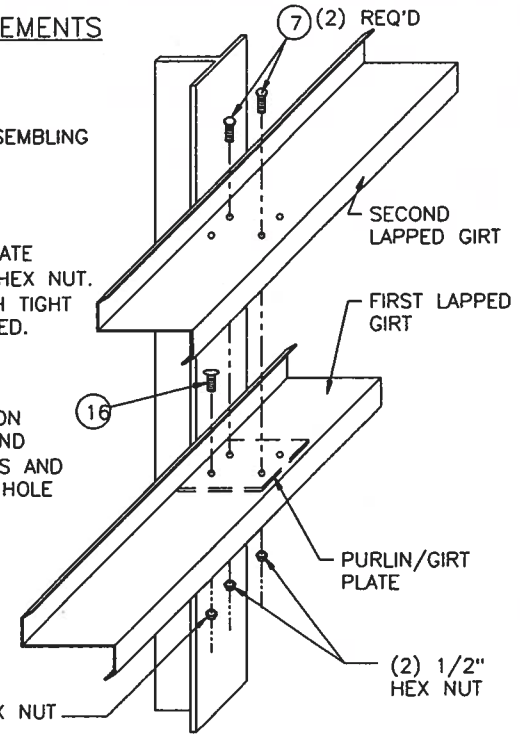
DWNG. NO.
13

OSHA GIRT CONNECTION REQUIREMENTS

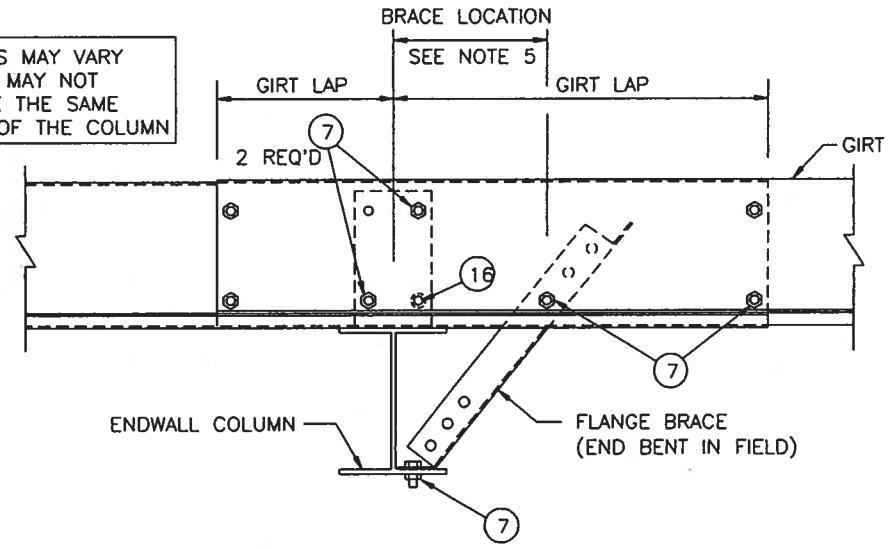
USE THE FOLLOWING PROCEDURE WHEN ASSEMBLING A LAPPED BY-PASS GIRT CONNECTION.

STEP NO. 1
ATTACH FIRST GIRT TO THE PURLIN/GIRT PLATE WITH A (16) 1/2"x1" FLAT HEAD BOLT AND HEX NUT. THE BOLT/NUT ASSEMBLY MUST BE WRENCH TIGHT PRIOR TO THE SECOND GIRT BEING INSTALLED.

STEP NO. 2
LEAVING FLAT HEAD BOLT INSTALLED, POSTION HOLES IN SECOND GIRT OVER FIRST GIRT AND INSTALL TWO (7) 1/2"x1/4" HEX HEAD BOLTS AND HEX NUTS IN A DIAGONAL FRONT TO BACK HOLE PATTERN.

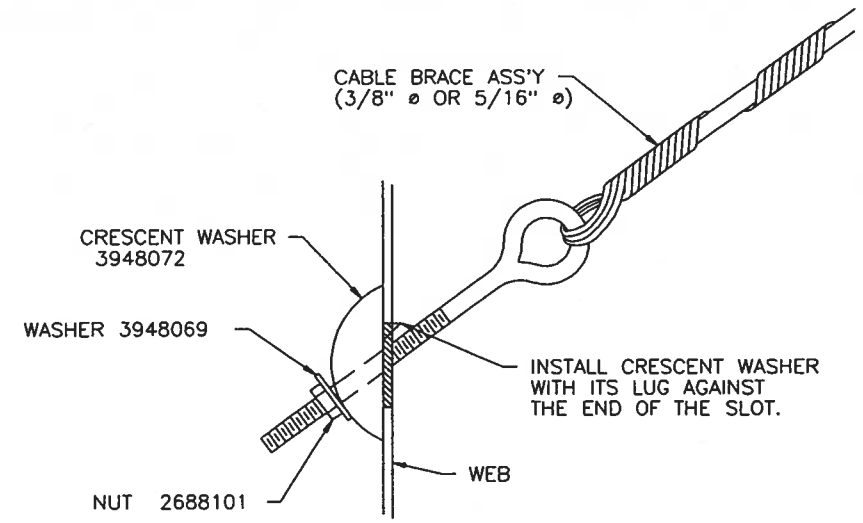


NOTE: GIRT LAPS MAY VARY IN LENGTH AND MAY NOT NECESSARILY BE THE SAME ON EACH SIDE OF THE COLUMN



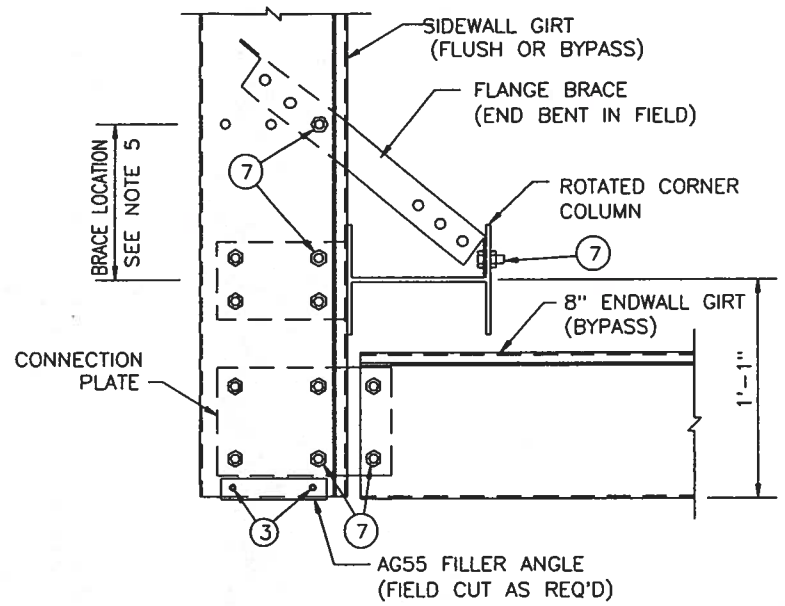
DETAIL: GIRT LAP & FLANGE BRACE PLACEMENT

G006



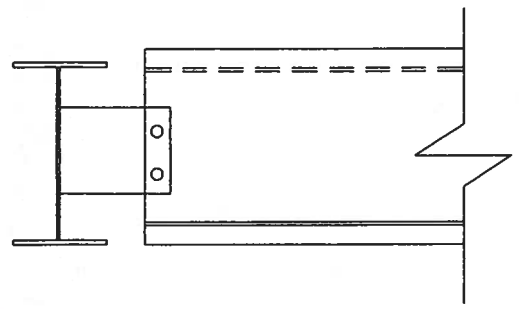
DETAIL : WIND BRACING

W001



DETAIL: GIRT CONNECTION @ CORNER

G059



DETAIL: GIRT CONNECTION @ ENDWALL COLUMN

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☐ APPROVED AS DRAWN
☐ APPROVED AS NOTED
☐ NOT APPROVED, RESUBMIT DO NOT FABRICATE

BY:_____ DATE:_____

FASTENER SCHEDULE

LOC.	PART NUMBER	DESCRIPTION
(1)		AS NOTED ON RIGID FRAME ELEVATION
(2)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW
(3)	3228084	SCREW 12 X 1 HWH SD NW
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW
(5)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW
(6)	3228099	SCREW 8 X 1/2 HWH SD NW
(7)	3188185	BOLT 1/2 X 1 1/4 HEX A307 UNPL & NUT (2688126)
(8)	3188186	BOLT 1/2 X 1 3/4 HEX A307 UNPL & NUT (2688126)
(9)	3188130	BOLT 5/8 X 2 1/4 HVHX A325T UNPL & NUT (2688101)
(10)	3188121	BOLT 3/4 X 1 1/2 HVHX A325T UNPL & NUT (2688102)
(11)	3188125	BOLT 3/4 X 2 1/2 HVHX A325T UNPL & NUT (2688102)
(12)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW FOR DR ROOF
	3228103	SCREW 1/4 X 7/8 LG-LF SD WW FOR SSR
(13)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR DR ROOF
	3228104	SCREW 12 X 1 1/4 LG-LF SD WW FOR SSR

LOC.	PART NUMBER	DESCRIPTION
(14)	3228087	SCREW 12 X 1 1/4 HWH SD #5 PT NW
(15)	3188223	BOLT 1/2 X 1 1/2 HVHX A325T UNPL & NUT (2688137)
(16)	3208170	BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)
(17)	3228102	SCREW 12 X 2 FL-TP SD WW
(18)	3228098	SCREW 14 X 6 HWH ST 304SS NW
(19)	998011	BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)
(20)	3188003	BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)
(21)	3228122	SCREW 1/4 X 1 1/2 HWH SD NW
(22)		SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING
(23)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW
(24)	3228125	SCREW 1/4-20 X 1 1/4 HWH SHOULDER SD NW
(25)	3228126	SCREW #17 X 1 LG-LF ST WW

ABBREVIATIONS

HD	= HEAD
SD	= SELF DRILLING
ST	= SELF TAPPING
SS	= STAINLESS STEEL
PT	= POINT
RD	= ROUND
WW	= WITH WASHER
NW	= NO WASHER
FLT	= FLAT
HVHX	= HEAVY HEX
UNPL	= UNPLATED
PLTD	= PLATED
HWH	= HEX WASHER HEAD
FL-TP	= FLAT TOP
LG-LF	= LONG LIFE
PHPS	= PHILLIPS

NOTES:

1. FOR FLANGE BRACE LOCATIONS - SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
2. A-325T BOLTS SHALL BE TIGHTENED USING THE "TURN OF THE NUT" METHOD.
3. SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.
4. THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.
5. ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.
6. REPLACE STANDARD BOLT (7) WITH SPECIAL BOLT (15) WHEN INDICATED ON ROOF FRAMING PLAN.

060808

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

ENDWALL DETAILS

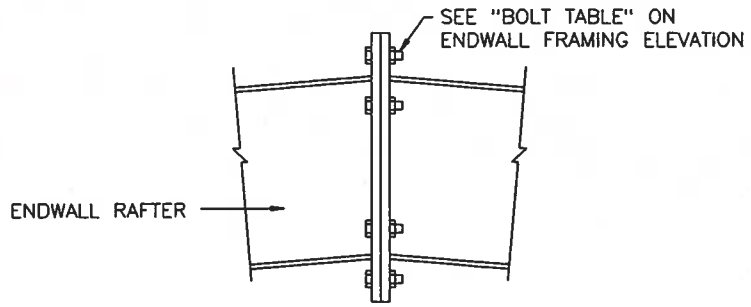
Job: HUB CITY #3
Location: LAKE CITY, FL. 32025
Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

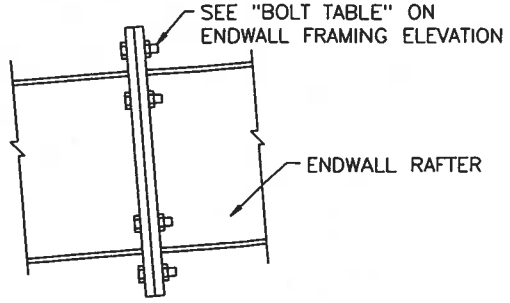
INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

INLAND JOB NO.
H0845

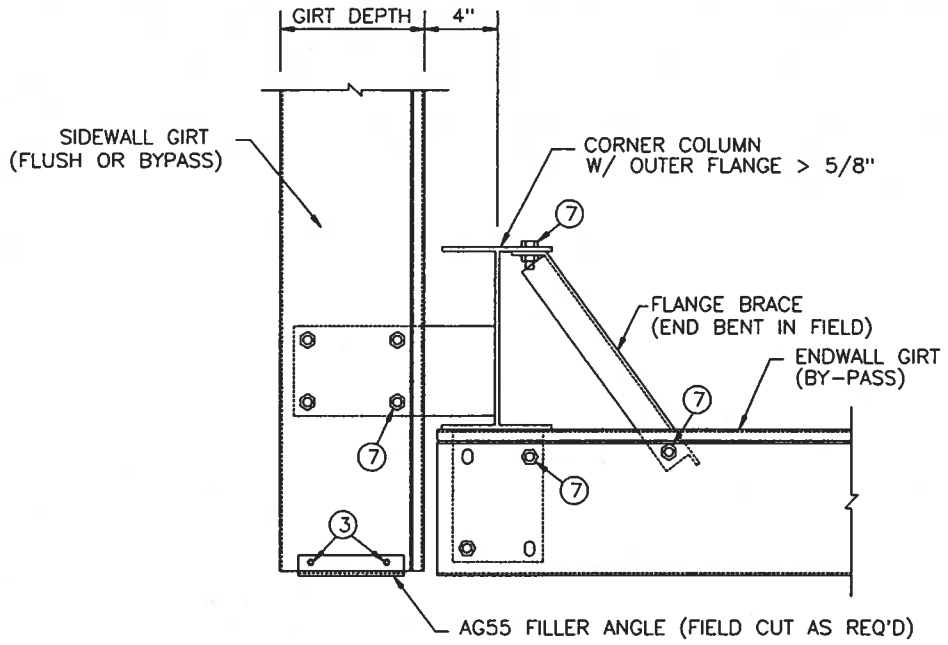
DWNG. NO.
14



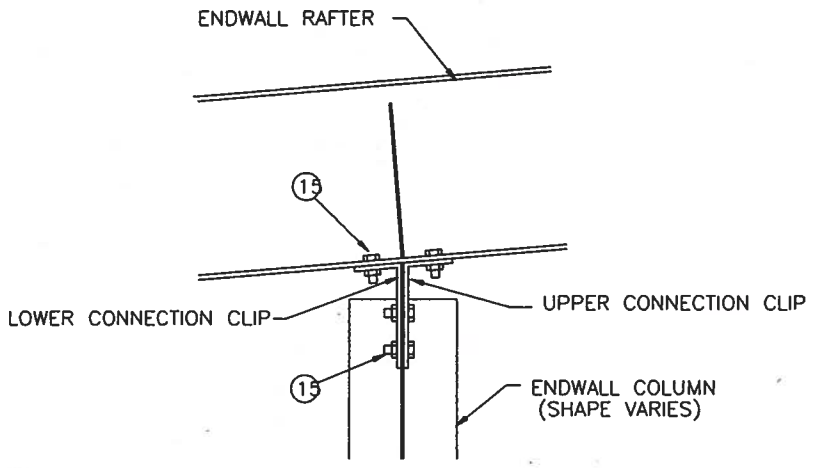
DETAIL: ENDWALL RAFTER SPLICE @ RIDGE
E002



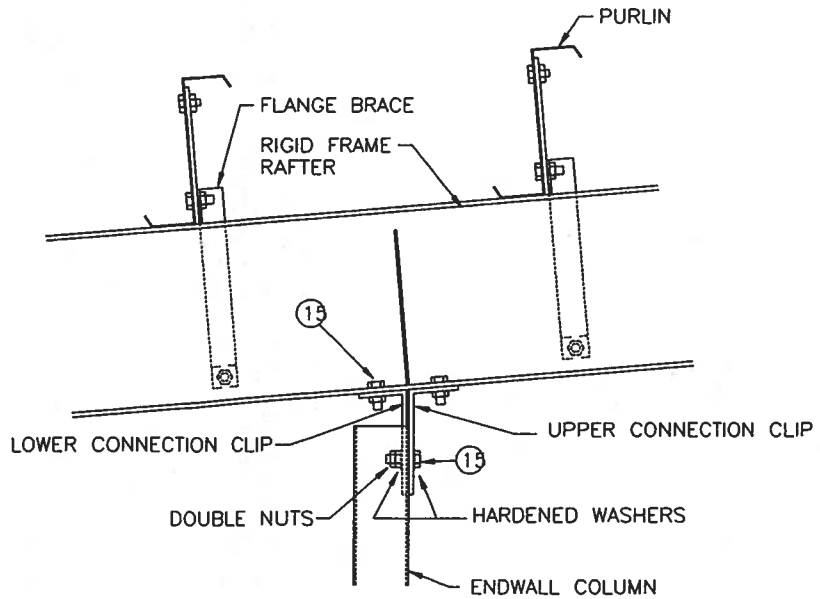
DETAIL: ENDWALL RAFTER SPLICE
E001



DETAIL: GIRT CONNECTION @ CORNER
G052



DETAIL: ENDWALL COLUMN TO ENDWALL RAFTER
E003



DETAIL: ENDWALL COLUMN TO RIGID FRAME RAFTER
E016

FASTENER SCHEDULE

LOC.	PART NUMBER	DESCRIPTION
(1)		AS NOTED ON RIGID FRAME ELEVATION
(2)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW
(3)	3228084	SCREW 12 X 1 HWH SD NW
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW
(5)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW
(6)	3228095	SCREW 8 X 1/2 HWH SD NW
(7)	3188185	BOLT 1/2 X 1 1/4 HEX A307 UNPL & NUT (2688126)
(8)	3188186	BOLT 1/2 X 1 3/4 HEX A307 UNPL & NUT (2688126)
(9)	3188130	BOLT 5/8 X 2 1/4 HVHX A325T UNPL & NUT (2688101)
(10)	3188121	BOLT 3/4 X 1 1/2 HVHX A325T UNPL & NUT (2688102)
(11)	3188125	BOLT 3/4 X 2 1/2 HVHX A325T UNPL & NUT (2688102)
(12)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW FOR DR ROOF
	3228103	SCREW 1/4 X 7/8 LG-LF SD WW FOR SSR
(13)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR DR ROOF
	3228104	SCREW 12 X 1 1/4 LG-LF SD WW FOR SSR

LOC.	PART NUMBER	DESCRIPTION
(14)	3228087	SCREW 12 X 1 1/4 HWH SD #5 PT NW
(15)	3188223	BOLT 1/2 X 1 1/2 HVHX A325T UNPL & NUT (2688137)
(16)	3208170	BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)
(17)	3228102	SCREW 12 X 2 FL-TP SD WW
(18)	3228098	SCREW 14 X 6 HWH ST 304SS NW
(19)	995011	BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)
(20)	3188003	BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)
(21)	3228122	SCREW 1/4 X 1 1/2 HWH SD NW
(22)		SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING
(23)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW
(24)	3228125	SCREW 1/4-20 X 1 1/4 HWH SHOULDER SD NW
(25)	3228126	SCREW #17 X 1 LG-LF ST WW

ABBREVIATIONS

HD	= HEAD
SD	= SELF DRILLING
ST	= SELF TAPPING
SS	= STAINLESS STEEL
PT	= POINT
RD	= ROUND
WW	= WITH WASHER
NW	= NO WASHER
FLT	= FLAT
HVHX	= HEAVY HEX
UNPL	= UNPLATED
PLTD	= PLATED
HWH	= HEX WASHER HEAD
FL-TP	= FLAT TOP
LG-LF	= LONG LIFE
PHPS	= PHILLIPS

NOTES:

1. FOR FLANGE BRACE LOCATIONS – SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
2. A-325T BOLTS SHALL BE TIGHTENED USING THE "TURN OF THE NUT" METHOD.
3. SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.
4. THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.
5. ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.
6. REPLACE STANDARD BOLT ⊗ WITH SPECIAL BOLT (13) WHEN INDICATED ON ROOF FRAMING PLAN.

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☐ APPROVED AS DRAWN
☐ APPROVED AS NOTED
☐ NOT APPROVED, RESUBMIT DO NOT FABRICATE

BY: _____ DATE: _____

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

ERECTION DETAILS

Job: HUB CITY #3

Location: LAKE CITY, FL. 32025

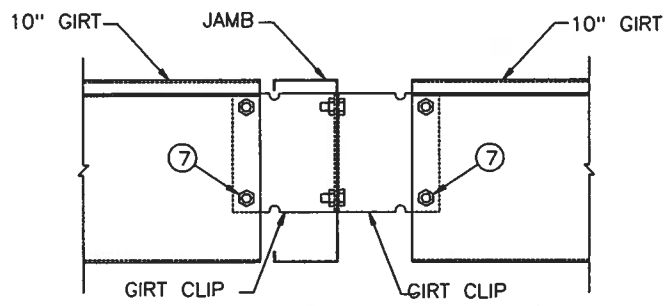
Builder: SIMQUE CONTRACTING

Inland BUILDINGS

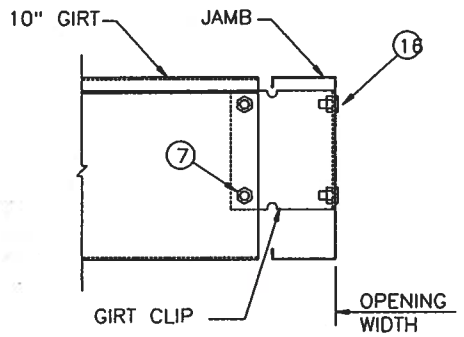
INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

INLAND JOB NO.
H0845

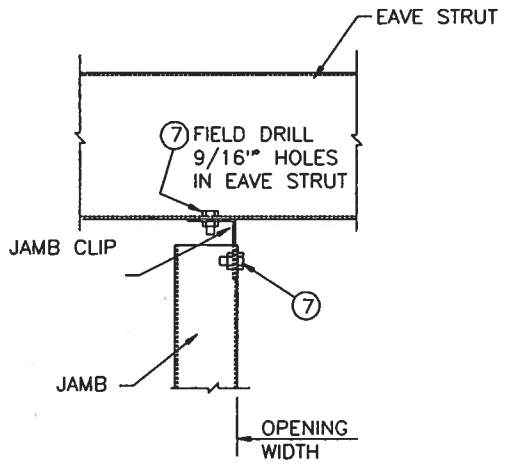
DWNG. NO.
15



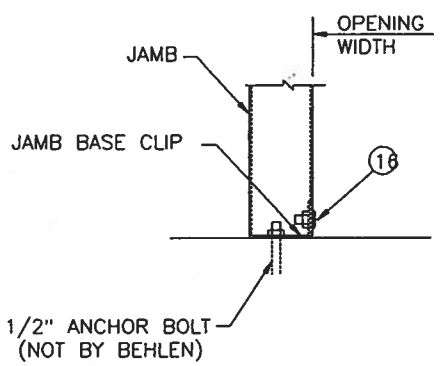
SECTION AT GIRT ABOVE HEADER
(WHEN REQ'D)



SECTION AT GIRT BELOW HEADER



SECTION AT TOP OF JAMB



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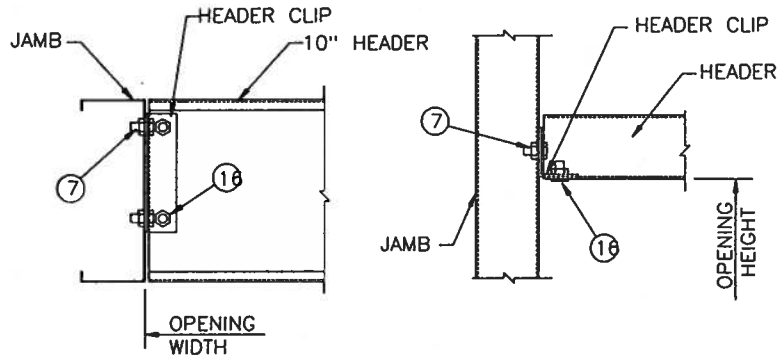


SECTION AT HEADER

IF OPENING IS TO BE FIELD LOCATED, FIELD CUTTING & DRILLING IS REQ'D

DETAIL: FRAMED OPENING IN SIDEWALL (TYPE 2 JAMB 10" GIRTS)

D202

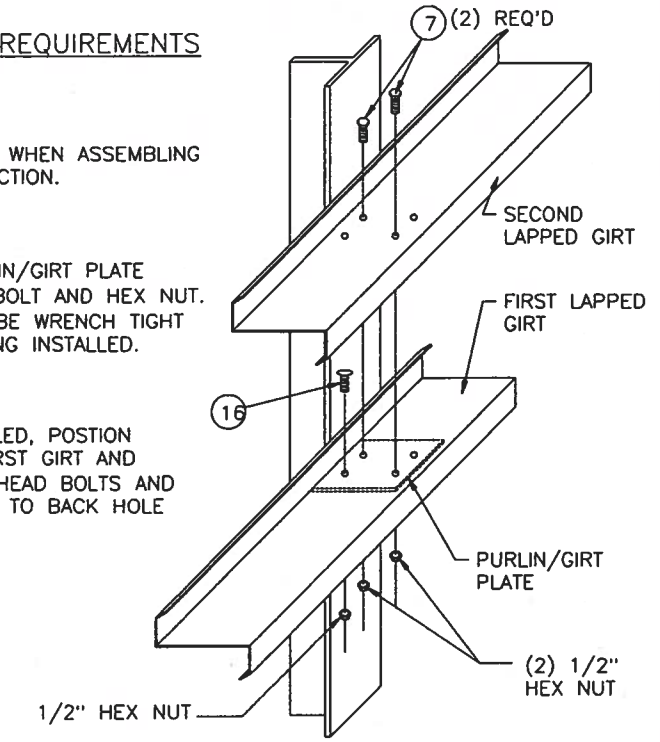
FASTENER SCHEDULE							
LOC.	PART NUMBER	DESCRIPTION	LOC.	PART NUMBER	DESCRIPTION	ABBREVIATIONS	
(1)		AS NOTED ON RIGID FRAME ELEVATION	(12)	3228087	SCREW 12 X 1 1/4 HWH SD #5 PT NW	HD	= HEAD
(2)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW	(15)	3188223	BOLT 1/2 X 1 1/2 HWHX A325T UNPL & NUT (2688137)	SD	= SELF DRILLING
(3)	3228084	SCREW 12 X 1 HWH SD NW	(16)	3208170	BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)	ST	= SELF TAPPING
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW	(17)	3228102	SCREW 12 X 2 FL-TP SD WW	SS	= STAINLESS STEEL
(5)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW	(18)	3228098	SCREW 14 X 6 HWH ST 304SS NW	PT	= POINT
(6)	3228099	SCREW 8 X 1/2 HWH SD NW	(19)	996011	BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)	RD	= ROUND
(7)	3188185	BOLT 1/2 X 1 1/4 HEX A307 UNPL & NUT (2688126)	(20)	3188003	BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)	WW	= WITH WASHER
(8)	3188186	BOLT 1/2 X 1 3/4 HEX A307 UNPL & NUT (2688126)	(21)	3228122	SCREW 1/4 X 1 1/2 HWH SD NW	NW	= NO WASHER
(9)	3188130	BOLT 5/8 X 2 1/4 HWHX A325T UNPL & NUT (2688101)	(22)		SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING	FLT	= FLAT
(10)	3188121	BOLT 3/4 X 1 1/2 HWHX A325T UNPL & NUT (2688102)	(23)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW	HWHX	= HEAVY HEX
(11)	3188125	BOLT 3/4 X 2 1/2 HWHX A325T UNPL & NUT (2688102)	(24)	3228125	SCREW 1/4-20 X 1 1/4 HWH SHOULDER SD NW	UNPL	= UNPLATED
(12)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW FOR DR ROOF	(25)	3228126	SCREW #17 X 1 LG-LF ST WW	PLTD	= PLATED
	3228103	SCREW 1/4 X 7/8 LG-LF SD WW FOR SSR				HWH	= HEX WASHER HEAD
(13)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR DR ROOF				FL-TP	= FLAT TOP
	3228104	SCREW 12 X 1 1/4 LG-LF SD WW FOR SSR				LG-LF	= LONG LIFE
						PHPS	= PHILLIPS

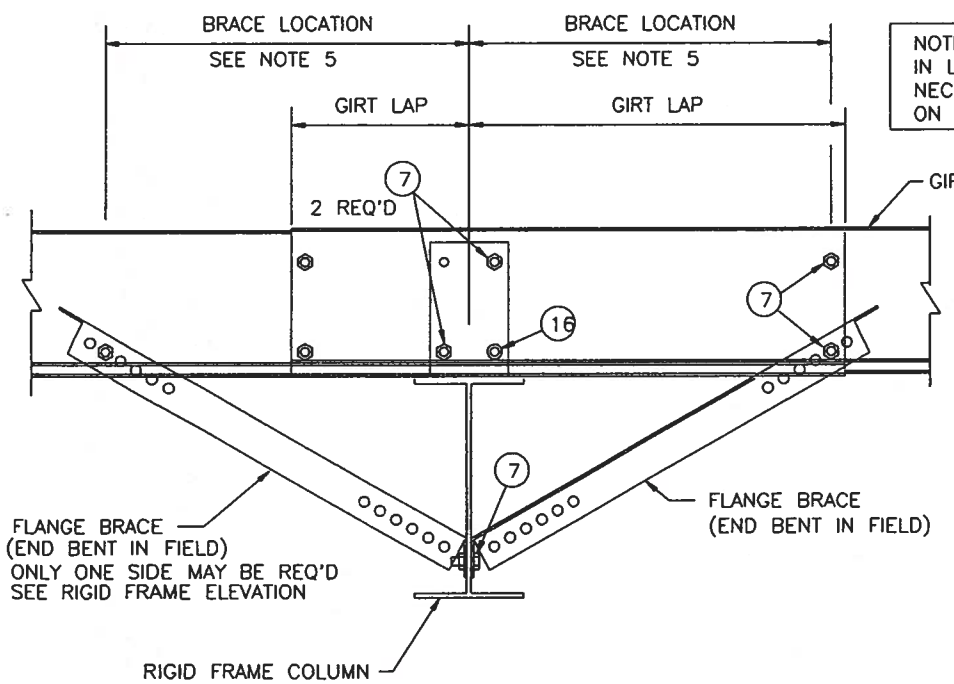
OSHA GIRT CONNECTION REQUIREMENTS

USE THE FOLLOWING PROCEDURE WHEN ASSEMBLING A LAPPED BY-PASS GIRT CONNECTION.

STEP NO. 1
ATTACH FIRST GIRT TO THE PURLIN/GIRT PLATE WITH A (16) 1/2"x1" FLAT HEAD BOLT AND HEX NUT. THE BOLT/NUT ASSEMBLY MUST BE WRENCH TIGHT PRIOR TO THE SECOND GIRT BEING INSTALLED.

STEP NO. 2
LEAVING FLAT HEAD BOLT INSTALLED, POSTION HOLES IN SECOND GIRT OVER FIRST GIRT AND INSTALL TWO (7) 1/2"x1/4" HEX HEAD BOLTS AND HEX NUTS IN A DIAGONAL FRONT TO BACK HOLE PATTERN.





NOTE: GIRT LAPS MAY VARY IN LENGTH AND MAY NOT NECESSARILY BE THE SAME ON EACH SIDE OF THE FRAME

DETAIL: GIRT LAP & FLANGE BRACE PLACEMENT

G001

NOTES:

1. FOR FLANGE BRACE LOCATIONS – SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
2. A-325T BOLTS SHALL BE TIGHTENED USING THE "TURN OF THE NUT" METHOD.
3. SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.
4. THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.
5. ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.
6. REPLACE STANDARD BOLT (7) WITH SPECIAL BOLT (13) WHEN INDICATED ON ROOF FRAMING PLAN.

ISSUED FOR APPROVAL

DELIVERY OF THIS PROJECT IS BASED UPON PROMPT RETURN OF APPROVAL PRINTS. PLEASE RETURN ONE SET OF SIGNED APPROVAL PRINTS TO OUR OFFICES. ANY CHANGES MADE ON THIS PROJECT AFTER APPROVAL MAY BE SUBJECT TO ADDITIONAL CHARGES AND DELAYS.

☐ APPROVED AS DRAWN
☐ APPROVED AS NOTED
☐ NOT APPROVED, RESUBMIT DO NOT FABRICATE

BY:_____ DATE:_____

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

ERECTION DETAILS

Job: HUB CITY #3
Location: LAKE CITY, FL. 32025
Builder: SIMQUE CONSTRUCTION

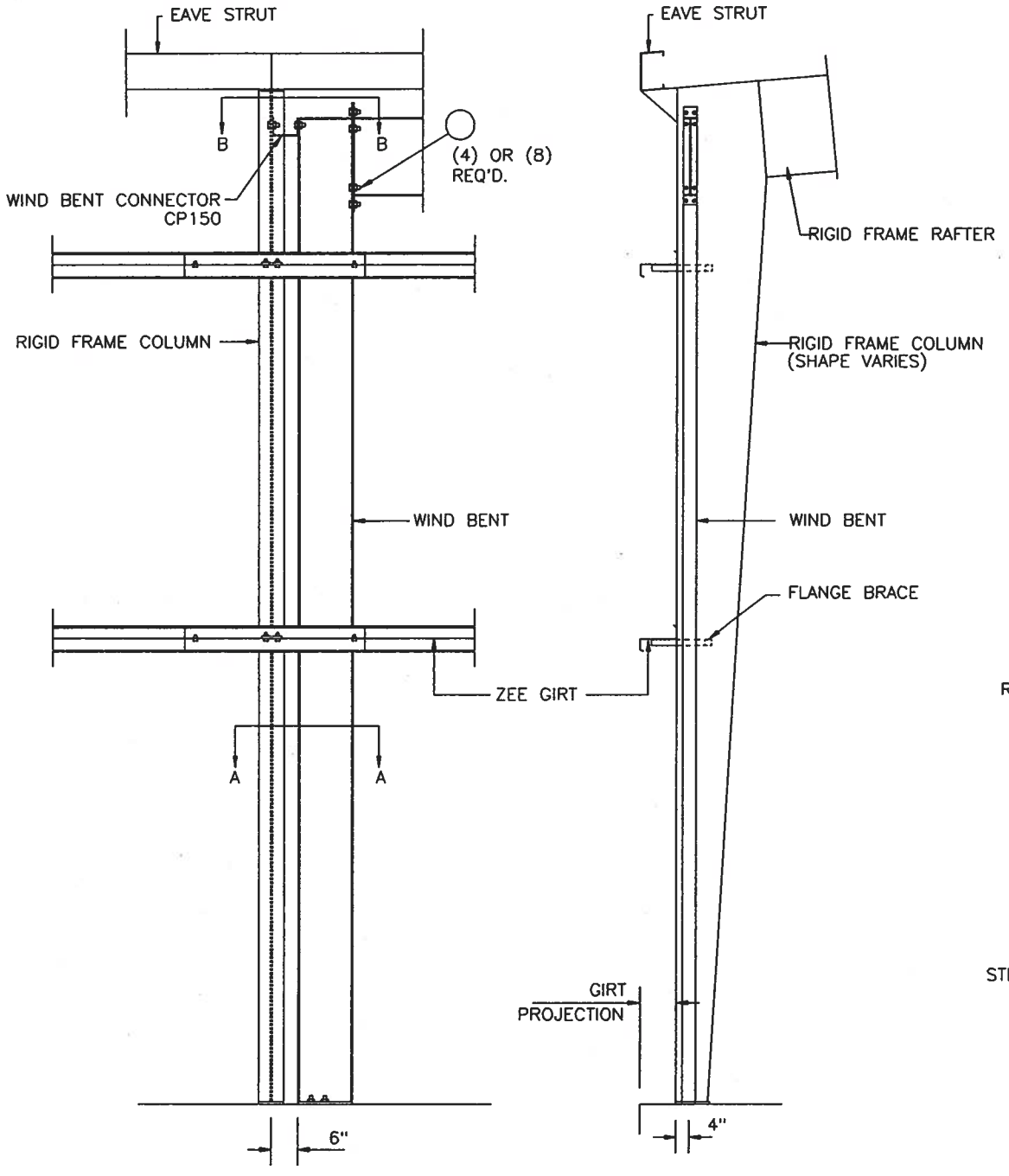
Inland BUILDINGS

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

INLAND JOB NO.
H0845

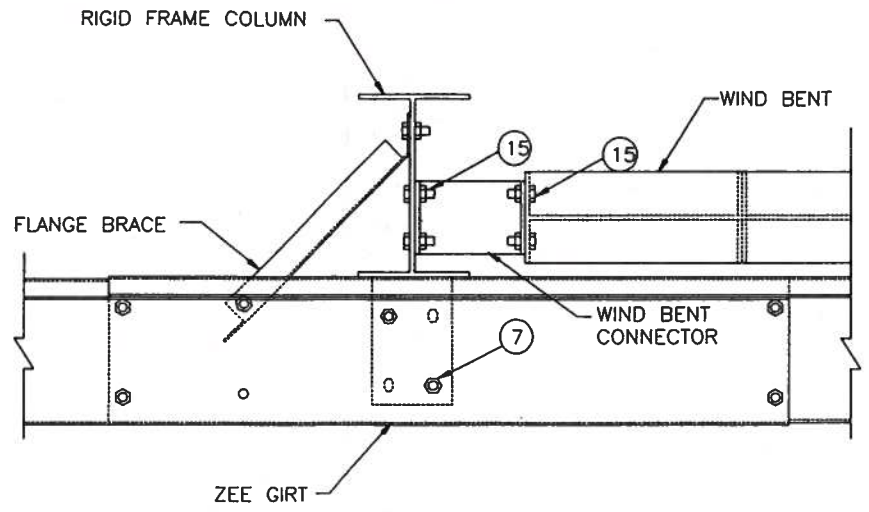
DWNG. NO.
16

060805

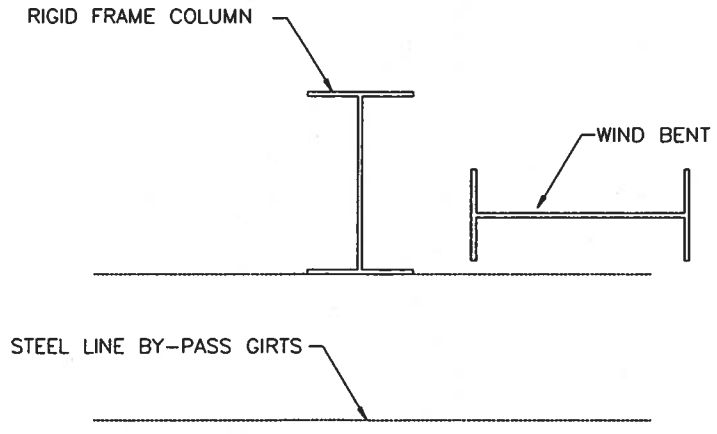


DETAIL: WIND BENT AT RIGID FRAME COLUMN W/ BY-PASS GIRTS W/ 2 BOLT STANDARD WIND BENT CONNECTOR

W036



SECTION B-B



SECTION A-A

FASTENER SCHEDULE

LOC.	PART NUMBER	DESCRIPTION
(1)		AS NOTED ON RIGID FRAME ELEVATION
(2)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW
(3)	3228084	SCREW 12 X 1 HWH SD NW
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW
(5)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW
(6)	3228095	SCREW 8 X 1/2 HWH SD NW
(7)	3188185	BOLT 1/2 X 1 1/4 HEX A307 UNPL & NUT (2688126)
(8)	3188186	BOLT 1/2 X 1 3/4 HEX A307 UNPL & NUT (2688126)
(9)	3188130	BOLT 5/8 X 2 1/4 HVHX A325T UNPL & NUT (2688101)
(10)	3188121	BOLT 3/4 X 1 1/2 HVHX A325T UNPL & NUT (2688102)
(11)	3188125	BOLT 3/4 X 2 1/2 HVHX A325T UNPL & NUT (2688102)
(12)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW FOR DR ROOF
	3228103	SCREW 1/4 X 7/8 LG-LF SD WW FOR SSR
(13)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW FOR DR ROOF
	3228104	SCREW 12 X 1 1/4 LG-LF SD WW FOR SSR

LOC.	PART NUMBER	DESCRIPTION
(14)	3228087	SCREW 12 X 1 1/4 HWH SD #5 PT NW
(15)	3188223	BOLT 1/2 X 1 1/2 HVHX A325T UNPL & NUT (2688137)
(16)	3208170	BOLT 1/2 X 1 FLT RD HD A307 PLTD & NUT (2688007)
(17)	3228102	SCREW 12 X 2 FL-TP SD WW
(18)	3228098	SCREW 14 X 6 HWH ST 304SS NW
(19)	996011	BOLT 3/8 X 7/8 PHPS HD (W/O WASHER) & NUT (2688008)
(20)	3188003	BOLT 3/8 X 7/8 HEX HD (W/O WASHER) & NUT (2688008)
(21)	3228122	SCREW 1/4 X 1 1/2 HWH SD NW
(22)		SEE WALL PANEL ERECTION GUIDE FOR SCREW & SPACING
(23)	3228124	SCREW 1/4 X 1 1/4 HWH SHOULDER SD NW
(24)	3228125	SCREW 1/4-20 X 1 1/4 HWH SHOULDER SD NW
(25)	3228126	SCREW #17 X 1 LG-LF ST WW

ABBREVIATIONS

HD	= HEAD
SD	= SELF DRILLING
ST	= SELF TAPPING
SS	= STAINLESS STEEL
PT	= POINT
RD	= ROUND
WW	= WITH WASHER
NW	= NO WASHER
FLT	= FLAT
HVHX	= HEAVY HEX
UNPL	= UNPLATED
PLTD	= PLATED
HWH	= HEX WASHER HEAD
FL-TP	= FLAT TOP
LG-LF	= LONG LIFE
PHPS	= PHILLIPS

NOTES:

1. FOR FLANGE BRACE LOCATIONS - SEE FRAME CROSS SECTION AND ROOF FRAMING PLANS.
2. A-325T BOLTS SHALL BE TIGHTENED USING THE "TURN OF THE NUT" METHOD.
3. SOME FIELD DRILLING AND/OR FIELD CUTTING OF STEEL COMPONENTS MAY BE REQUIRED DURING THE ERECTION OF THIS BUILDING.
4. THE LENGTH OF THE FLANGE BRACE SUPPLIED AT EACH LOCATION WILL DETERMINE WHICH STANDARD LAP HOLE LOCATION (9, 1'-8, 2'-5 OR 3'-9) IS TO BE USED.
5. ATTACH FLANGE BRACE TO HOLE IN GIRT WHICH BEST FITS THE FLANGE BRACE LENGTH SUPPLIED FOR THE LOCATION.
6. REPLACE STANDARD BOLT ○ WITH SPECIAL BOLT (13) WHEN INDICATED ON ROOF FRAMING PLAN.

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☐ APPROVED AS DRAWN
☐ APPROVED AS NOTED
☐ NOT APPROVED, RESUBMIT DO NOT FABRICATE

BY: _____ DATE: _____

060805

NO.	APPROVALS	REMARKS
A		
DRAWN	BBR	
DATE	6/1/05	
CHECKED	RAH	
DATE	6/6/05	
DESIGNER	JBA	
DATE	6/6/05	

ERECTION DETAILS

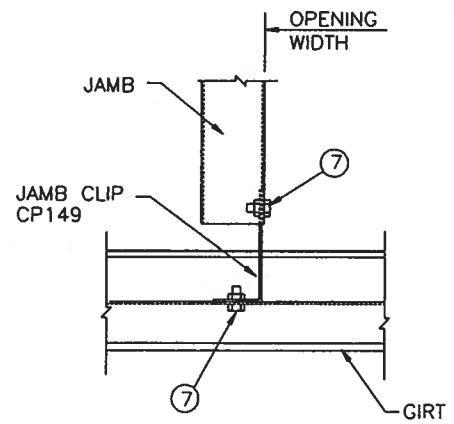
Job: HUB CITY #3
Location: LAKE CITY, FL. 32025
Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

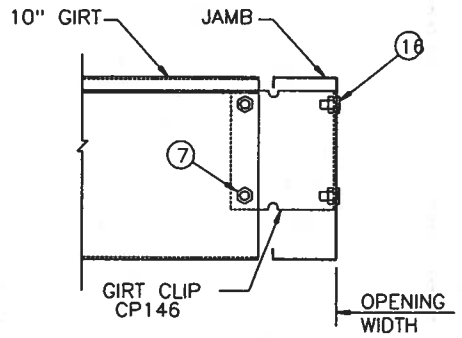
INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

INLAND JOB NO.
H0845

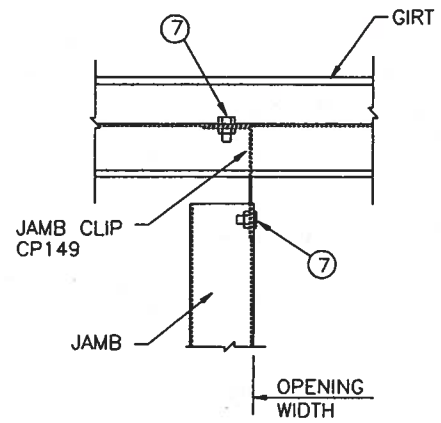
DWNG. NO.
17



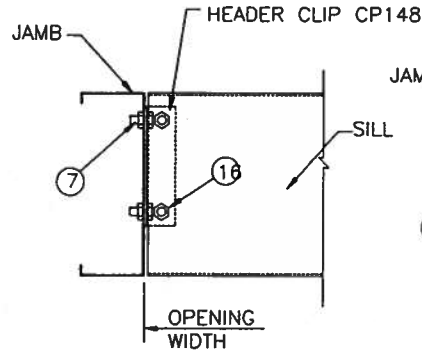
SECTION AT BASE OF JAMB



SECTION AT GIRT
BETWEEN HEADER & SILL
(WHEN REQ'D)

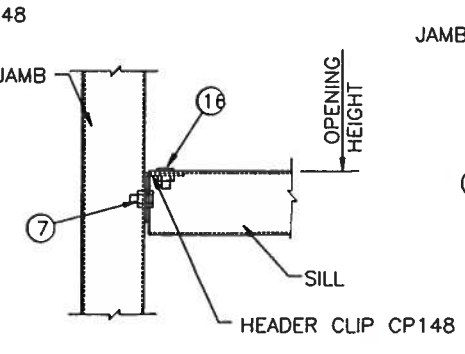


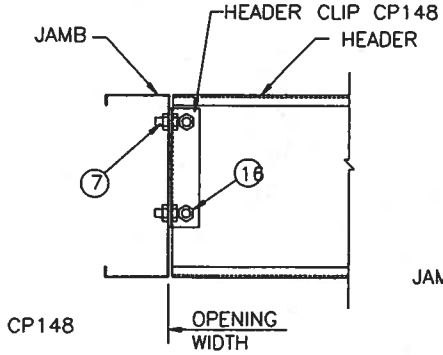
SECTION AT TOP OF JAMB



SECTION AT SILL

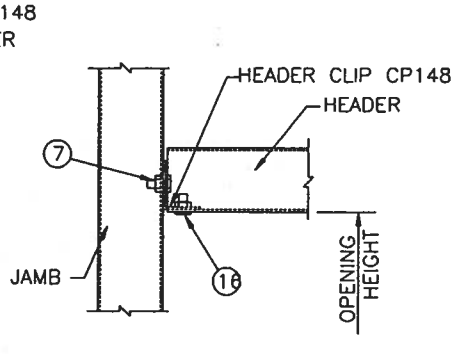
SILL SHALL BE NO CLOSER THAN 9" ABOVE GIRT





SECTION AT HEADER

HEADER SHALL BE NO CLOSER THAN 9" BELOW GIRT



OPENING IS TO BE FIELD LOCATED, FIELD CUTTING & DRILLING IS REQ'D

DETAIL: FRAMED OPENING W/ SILL (BETWEEN 10" GIRTS)

D230

FASTENER SCHEDULE

LOC.	PART NUMBER	DESCRIPTION
(1)		AS NOTED ON RIGID FRAME ELEVATION
(2)	3228100	SCREW 1/4 X 7/8 FL-TP SD WW
(3)	3228084	SCREW 12 X 1 HWH SD NW
(4)	3228101	SCREW 12 X 1 1/4 FL-TP SD WW
(5)	3228105	SCREW 1/4 X 1 1/4 LG-LF SD WW
(6)	3228099	SCREW 8 X 1/2 HWH SD NW
(7)	3188185	BOLT 1/2 X 1 1/4 HEX A307 UNPL & NUT (2688126)
(8)	3188186	BOLT 1/2 X 1 3/4 HEX A307 UNPL & NUT (2688126)
(9)	3188130	BOLT 5/8 X 2 1/4 HWHX A325T UNPL & NUT (2688101)
(10)	3188121	BOLT 3/4 X 1 1/2 HWHX A325T UNPL & NUT (2688102)
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(12)	3228087	SCREW 12 X 1 1/4 HWH SD #5 PT NW
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NOTES:

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☐ APPROVED AS DRAWN
☐ APPROVED AS NOTED
☐ NOT APPROVED, RESUBMIT DO NOT FABRICATE

BY: _____ DATE: _____

NO.	DRAWN	DATE	CHECKED	DATE	DESIGNER	DATE	APPROVALS	REMARKS
A	BBR	6/1/05	RAH	6/6/05	JBA	6/6/05		

ERECTION DETAILS

Job: HUB CITY #3
Location: LAKE CITY, FL. 32025
Builder: SIMQUE CONSTRUCTION

Inland BUILDINGS

INLAND BUILDINGS
2141 SECOND AVENUE S.W.
CULLMAN, AL 35055
PHONE: 800-438-1606
FAX: 800-438-1626

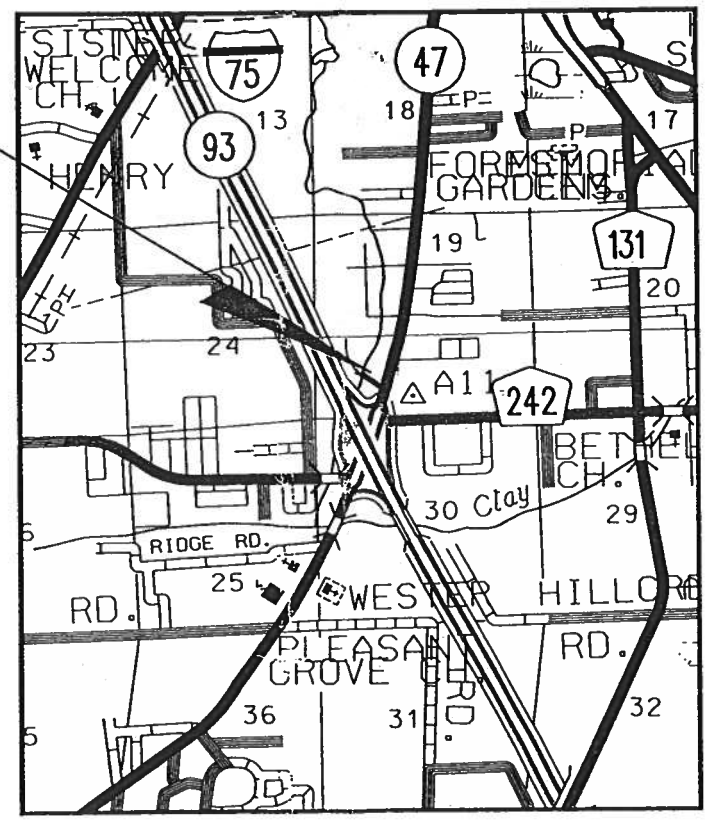
INLAND JOB NO.
H0845

DWNG. NO.
18

HUB CITY INDUSTRIAL SUPPLY

SHEET INDEX

PROJECT LOCATION



PLANS PREPARED FOR:

SCOTT STEWART
P.O. BOX 3566
LAKE CITY, FL 32056
PHONE: (904) 752-3654

LEGEND

EXISTING		PROPOSED	
CONCRETE MONUMENT FOUND	■	CONCRETE MONUMENT SET	□
IRON PIPE FOUND	●	IRON PIPE SET	○
LIGHT STANDARD		LIGHT STANDARD	
POWER POLE		POWER POLE	
WATER VALVE		WATER VALVE	
FIRE HYDRANT		FIRE HYDRANT	
BACKFLOW PREVENTER		BACKFLOW PREVENTER	
CLEANOUT	○CO	CLEANOUT	●CO
MANHOLE	○	MANHOLE	○
GROUND CONTOUR	--25--	GROUND CONTOUR	—25—
WELL	Ⓦ	DITCH BLOCK	
MONITORING WELL	Ⓜ	FINISH ELEVATION	×—
ELECTRIC BOX	Ⓔ	FLOW ARROW	
TELEPHONE BOX	Ⓣ	HANDICAP PARKING	
CABLE T.V. BOX	Ⓒ	MITERED END	
D.O.T. MARKER FOUND	⊕	TREE	
CONCRETE			
SOIL BORING LOCATION			
SINGLE POST SIGN			
BENCH MARK			
TRAFFIC LIGHT CABINET			

SYMBOLS & ABBREVIATIONS

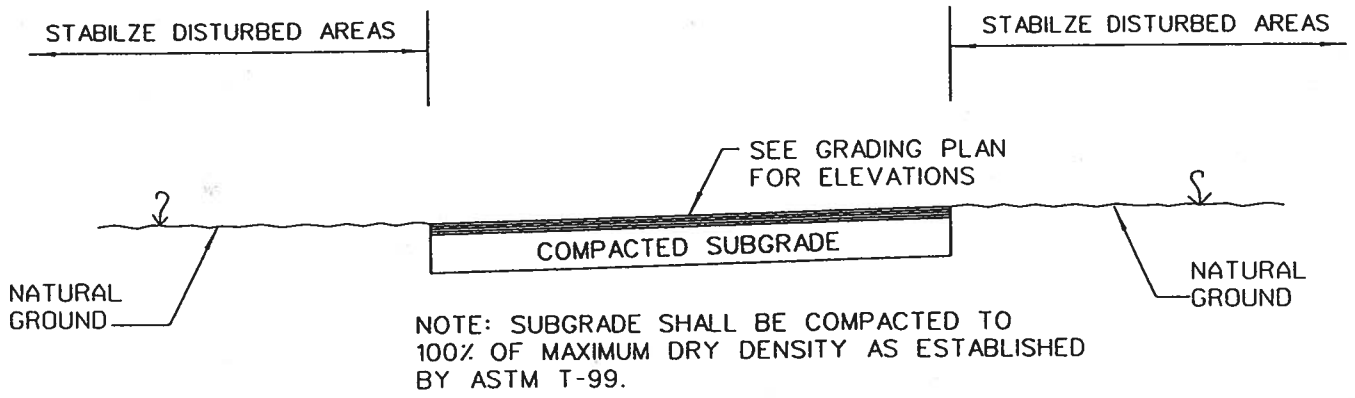
℄	PROPERTY LINE	LF	LINEAR FEET
℄	CENTER LINE	IP	IRON PIPE
℄	BASE LINE	MH	MANHOLE
SAN	SANITARY SEWER	G	GAS
SS	STORM SEWER	UC	UNDERGROUND CABLE
E	ELECTRIC	OC	OVERHEAD CABLE
OE	OVERHEAD ELECTRIC	W	WATER LINE
UG	UNDERGROUND ELECTRIC	RCP	REINFORCED CONCRETE PIPE-ROUND
OT	OVERHEAD TELEPHONE	RCPA	REINFORCED CONCRETE PIPE-ARC
UT	UNDERGROUND TELEPHONE	RCPE	REINFORCED CONCRETE PIPE-ELLIPTICAL
R=	RADIUS	CMP	CORRUGATED METAL PIPE-ROUND
CO	CLEANOUT	CMPA	CORRUGATED METAL PIPE-ARC
BM	BENCH MARK	BCCMP	BITUMINOUS COATED CORRUGATED METAL PIPE
F.O.C.	FIBER OPTIC CABLE		

BAILEY BISHOP & LANE, INC.
P.O. BOX 3717
LAKE CITY, FL 32056-3717
PH. (904) 752-5640
FAX (904) 755-7771

SHEET
COVER SHEET

REVISIONS

JOB NO.
990249
DATE
07/14/99
SHEET NO.
1



NOTE: SUBGRADE SHALL BE COMPACTED TO 100% OF MAXIMUM DRY DENSITY AS ESTABLISHED BY ASTM T-99.

TYPICAL SECTION

2" Type S-I Structural Course
0.10 Gal/SY Prime Coat
8" Limerock Base Course

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS SHOWN. NOTIFY THE ENGINEER OF ANY CHANGES OR MODIFICATIONS TO THE PLANS.
2. THE SITE IS LOCATED IN SECTION 30, TOWNSHIP 9 SOUTH, RANGE 15 EAST, GILCHRIST COUNTY, FLORIDA
3. THE STREETS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).
4. THE MATERIALS USED IN THE CONSTRUCTION OF THE STREETS ARE TO MEET THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).
5. THE STORMWATER MANAGEMENT SYSTEM IS DESIGNED IN ACCORDANCE WITH CHAPTER 40B-4 F.A.C.
6. THE RETENTION BASINS SHALL BE CONSTRUCTED INITIALLY TO SERVE AS A SEDIMENT TRAP DURING CONSTRUCTION.
7. ALL SLOPES OF THE STORMWATER BASINS SHALL BE SODDED. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM VEGETATION AND QUICK-GROWING SHORT TERM VEGETATION FOR THE FOLLOWING CONDITIONS. FOR THE MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF WINTER RYE. FOR THE MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 POUNDS PER ACRE OF LONG-TERM SEED AND 20 POUNDS PER ACRE OF MILLET.
8. ALL GRASS AREAS ARE TO RECEIVE A 4" MUCK BLANKET OR TOPSOIL TREATMENT.
9. EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED.
10. THE LOCATION OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.
11. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER.

BAILEY BISHOP & LANE, INC.
P.O. BOX 3717
LAKE CITY, FL 32056-3717
PH.(904) 752-5640
FAX (904) 755-7771

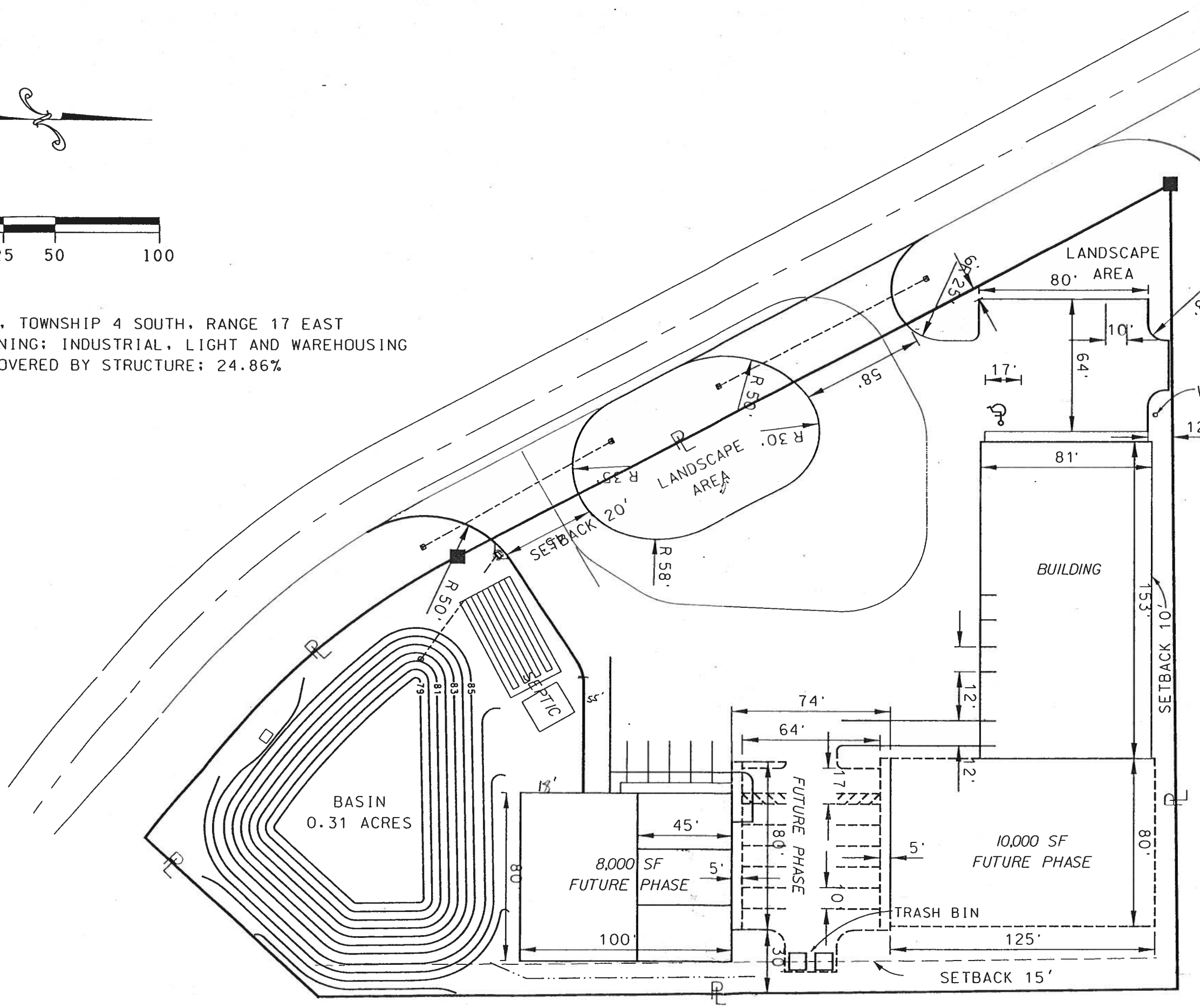
TYPICAL SECTION AND GENERAL NOTES

REVISIONS
1. 09/08/99 NEW SHEET SAME TYPICAL SECTION AND GENERAL NOTES

JOB NO. 990249
DATE 09/08/99
SHEET NO. 2

0 25 50 100

SECTION 19, TOWNSHIP 4 SOUTH, RANGE 17 EAST
PRESENT ZONING; INDUSTRIAL, LIGHT AND WAREHOUSING
PROPERTY COVERED BY STRUCTURE; 24.86%



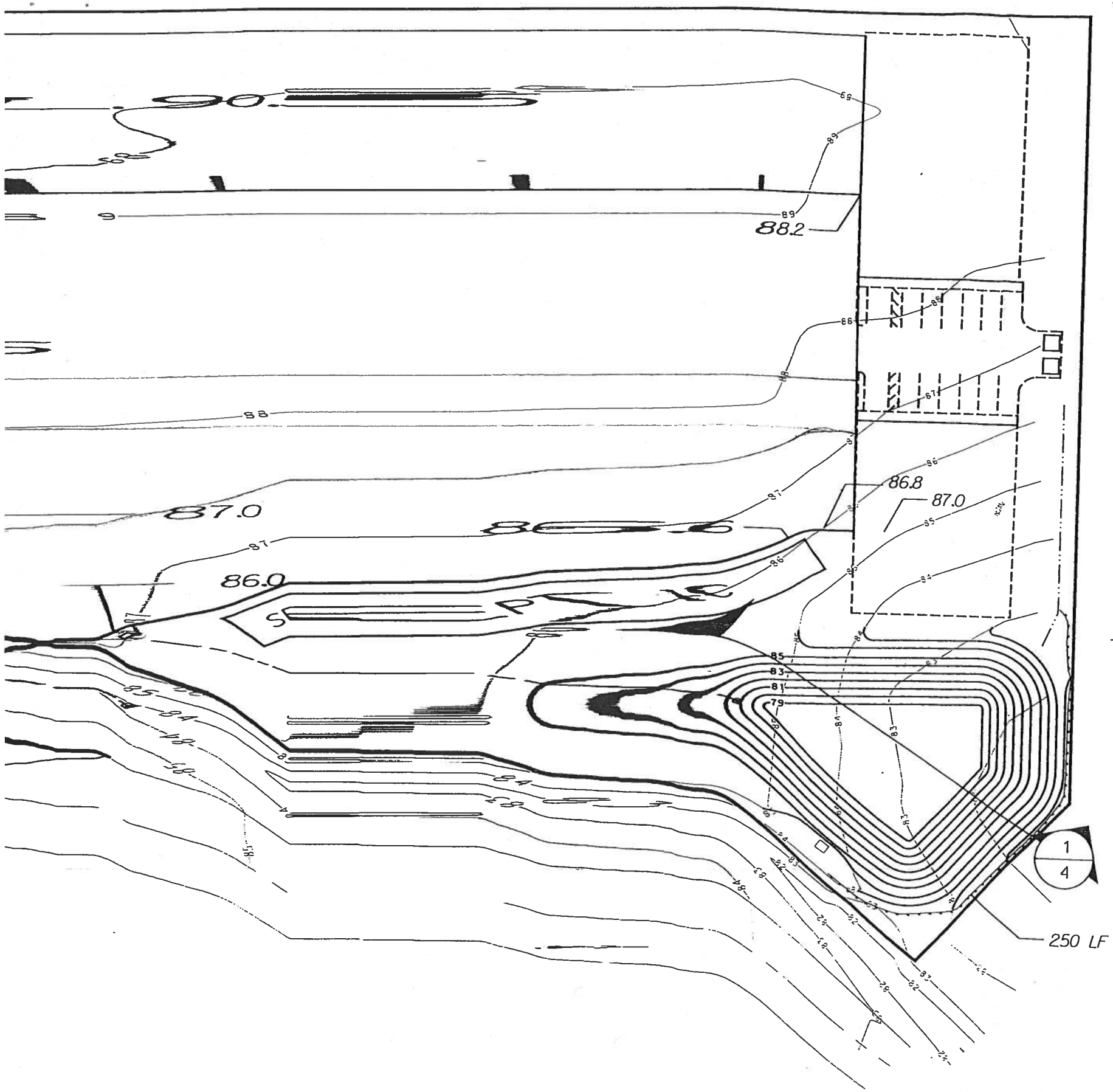
ZONING FOR THIS LAND IS COMMERICAL

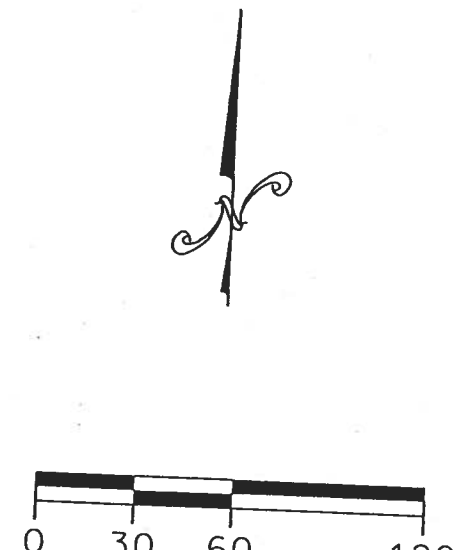
BAILEY BISHOP & LANE, INC.
P. O. BOX 3717
LAKE CITY, FL 32056-3717
PH. (904) 752-5640
FAX (904) 755-7771

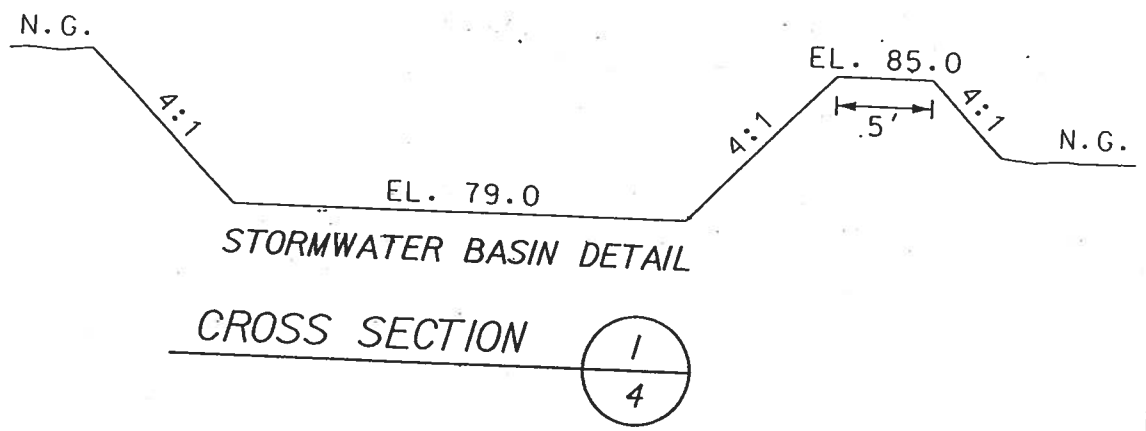
HUB CITY

REVISIONS

JOB NO.
990249
DATE
12/22/99
SHEET NO.
3







STORMWATER BASIN DETAIL

CROSS SECTION 1/4

BAILEY BISHOP & LANE, IN
P. O. BOX 3717
LAKE CITY, FL 32056-3717
PH. (904) 752-5640
FAX (904) 755-7771

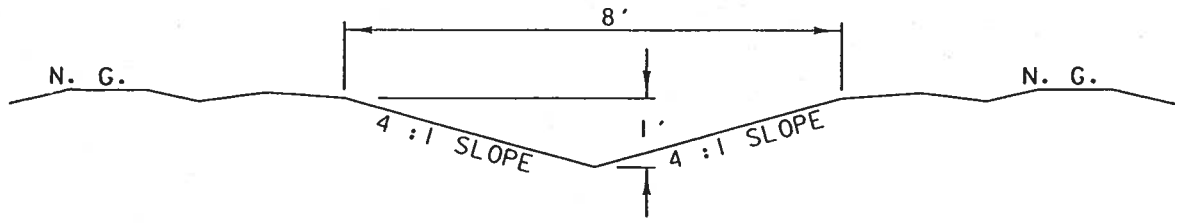
GRADING PLAN

REVISIONS
1. 09/08/99 ADDED INLET & CULVERT GOING TO STORMWATER BASIN AND BASIN CROSS SECTION.

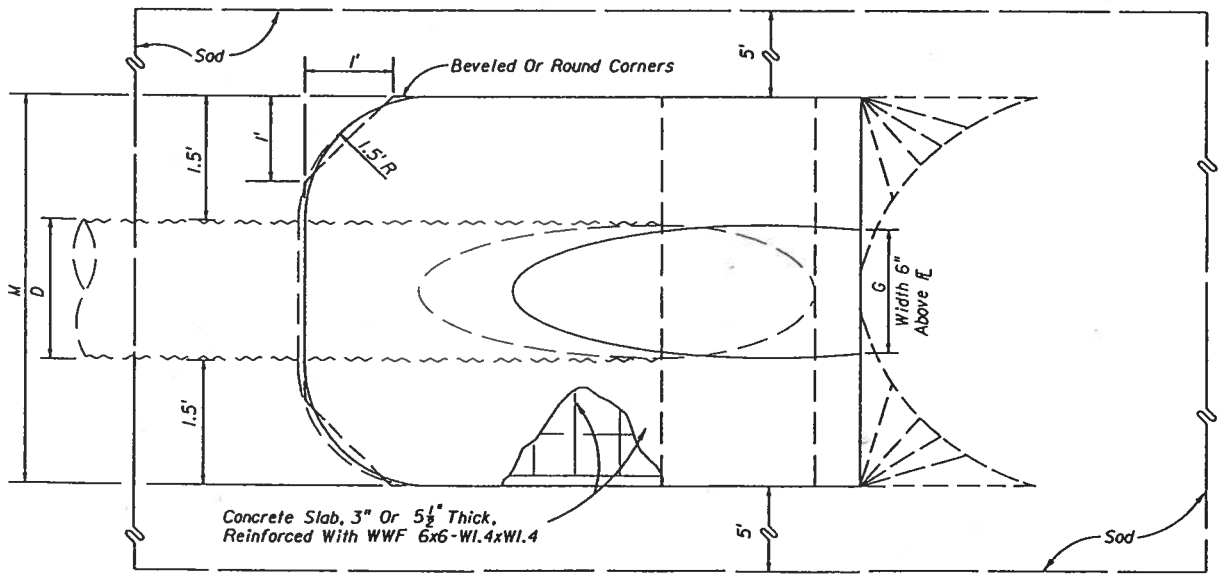
JOB NO. 990249
DATE 07/06/99
SHEET NO. 4

DIMENSIONS

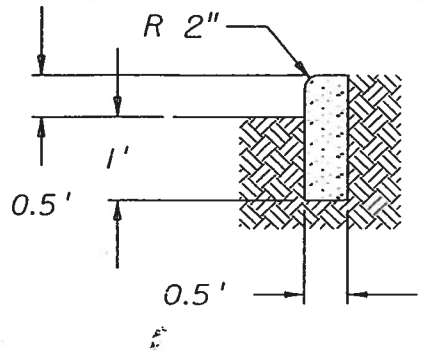
	D	X	A	B	C	E	F	G	M Single Pipe	M Double Pipe	M Triple Pipe	M Quad. Pipe	N
2:1 Slope	15"	2'-7"	2.5'	1.68'	4.18'	1.50'	5'	1.23'	4.33'	6.92'	9.50'	12.08'	1.04'
	18"	2'-10"	2.5'	2.24'	4.74'	2.00'	6'	1.41'	4.58'	7.42'	10.25'	13.08'	1.04'
	24"	3'-5"	2.5'	3.35'	5.85'	3.00'	7'	1.73'	5.08'	8.50'	11.92'	15.33'	1.04'
	30"	4'-3"	2.5'	4.47'	6.97'	4.00'	8'	2.00'	5.58'	9.83'	14.08'	18.33'	1.04'
	36"	5'-1"	2.5'	5.59'	8.09'	5.00'	9'	2.24'-	6.08'	11.17'	16.25'	21.33'	1.04'
	42"	6'-0"	2.5'	6.71'	9.21'	6.00'	10'	2.45'	6.58'	12.58'	18.58'	24.58'	1.04'
	48"	6'-9"	2.5'	7.83'	10.33'	7.00'	11'	2.65'	7.08'	13.83'	20.58'	27.33'	1.04'
	54"	7'-8"	2.5'	8.94'	11.44'	8.00'	12'	2.83'	7.58'	15.25'	22.92'	30.58'	1.04'
	60"	8'-6"	2.5'	10.06'	12.56'	9.00'	13'	3.00'	8.08'	16.58'	25.08'	33.58'	1.04'
4:1 Slope	15"	2'-7"	2.5'	3.09'	5.59'	3.0'	7.0'	1.23'	4.33'	6.92'	9.50'	12.08'	1.04'
	18"	2'-10"	2.5'	4.12'	6.62'	4.0'	8.0'	1.41'	4.58'	7.42'	10.25'	13.08'	1.04'
	24"	3'-5"	2.5'	6.18'	8.68'	6.0'	10.0'	1.73'	5.08'	8.50'	11.92'	15.33'	1.04'
	30"	4'-3"	2.5'	8.25'	10.75'	8.0'	12.0'	2.00'	5.58'	9.83'	14.08'	18.33'	1.04'
	36"	5'-1"	2.5'	10.31'	12.81'	10.0'	14.0'	2.24'	6.08'	11.17'	16.25'	21.33'	1.04'
	42"	6'-0"	2.5'	12.37'	14.87'	12.0'	16.0'	2.45'	6.58'	12.58'	18.58'	24.58'	1.04'
	48"	6'-9"	2.5'	14.43'	16.93'	14.0'	18.0'	2.65'	7.08'	13.83'	20.58'	27.33'	1.04'
	54"	7'-8"	2.5'	16.49'	18.99'	16.0'	20.0'	2.83'	7.58'	15.25'	22.92'	30.58'	1.04'
	60"	8'-6"	2.5'	18.55'	21.05'	18.0'	22.0'	3.00'	8.08'	16.58'	25.08'	33.58'	1.04'



SWALE DETAIL

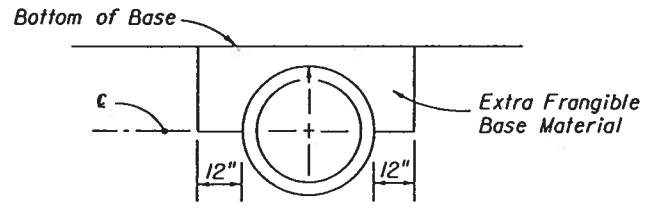


TOP VIEW - SINGLE PIPE



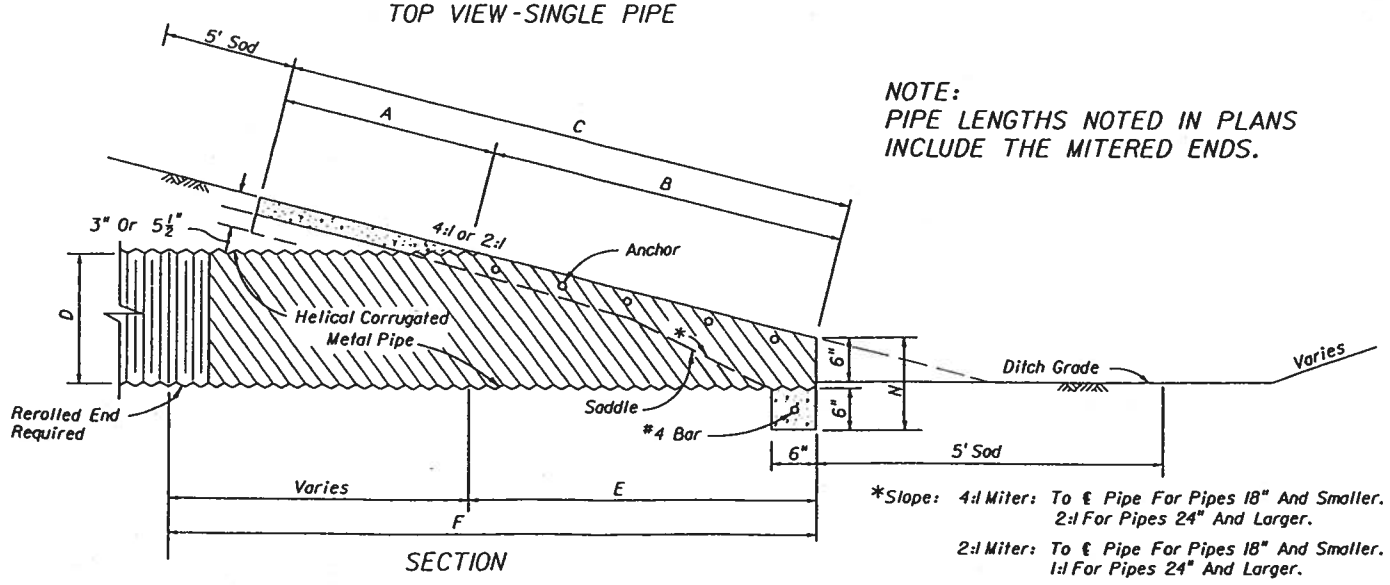
PROVIDE 1/8"-1/4" CONTRACTION JOINTS AT 10' CENTERS MAXIMUM.

HEADER CURB DETAIL



LIMEROCK BASE

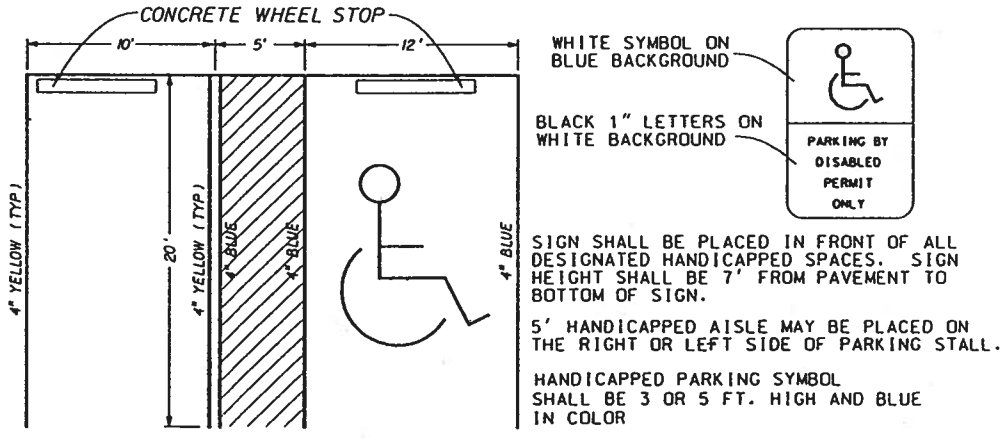
EXTRA BASE FOR CROSS CULVERTS UNDER FLEXIBLE PAVEMENTS



SECTION

NOTE:
PIPE LENGTHS NOTED IN PLANS INCLUDE THE MITERED ENDS.

*Slope: 4:1 Miter: To ℄ Pipe For Pipes 18" And Smaller.
2:1 For Pipes 24" And Larger.
2:1 Miter: To ℄ Pipe For Pipes 18" And Smaller.
1:1 For Pipes 24" And Larger.



SIGN SHALL BE PLACED IN FRONT OF ALL DESIGNATED HANDICAPPED SPACES. SIGN HEIGHT SHALL BE 7' FROM PAVEMENT TO BOTTOM OF SIGN.

5' HANDICAPPED AISLE MAY BE PLACED ON THE RIGHT OR LEFT SIDE OF PARKING STALL.

HANDICAPPED PARKING SYMBOL SHALL BE 3 OR 5 FT. HIGH AND BLUE IN COLOR

PARKING STALL DETAIL

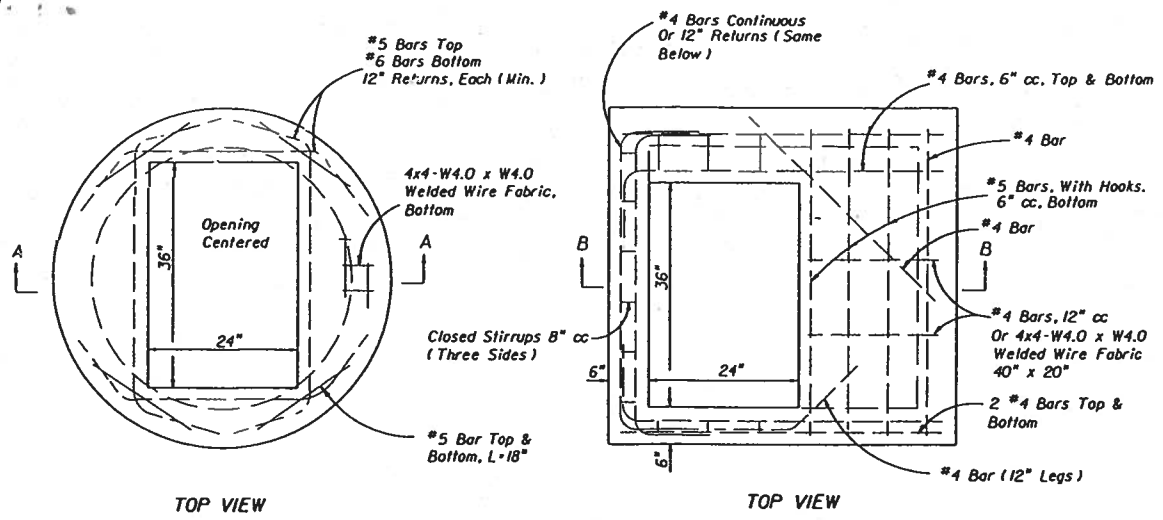
MITERED END SECTION DETAIL - BCCMP

BAILEY BISHOP & LANE, INC.
P. O. BOX 3717
LAKE CITY, FL 32055-3717
PH. (904) 752-5840
FAX (904) 755-7771

DRAINAGE DETAILS

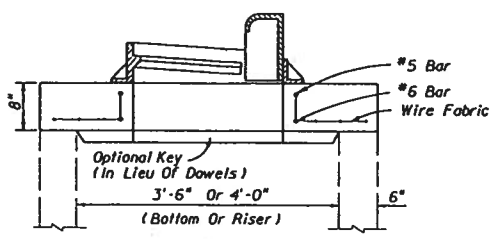
REVISIONS
1. 09/08/99 ADDED INLET DETAILS.

JOB NO. 990249
DATE 07/14/99
SHEET NO. 5

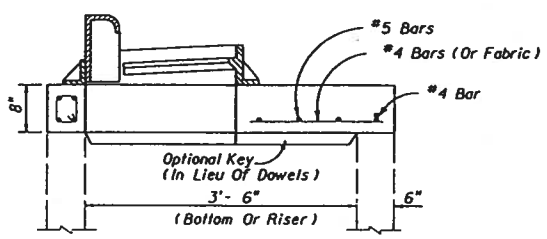


TOP VIEW

TOP VIEW

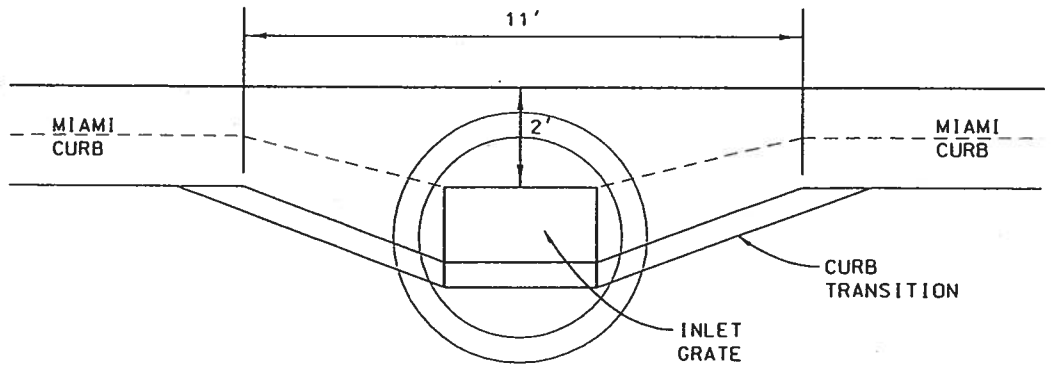


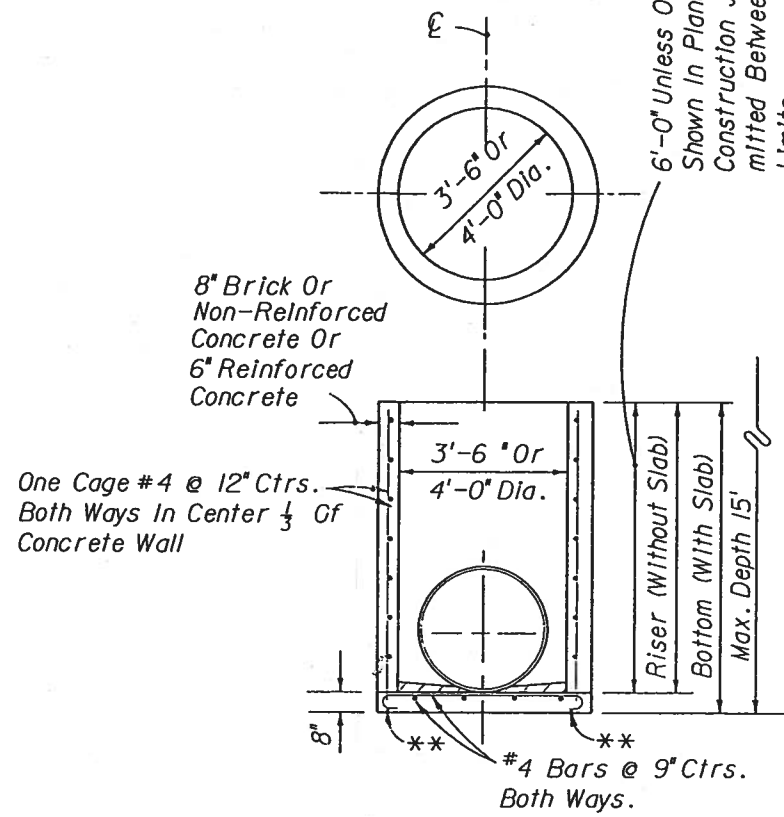
SECTION AA



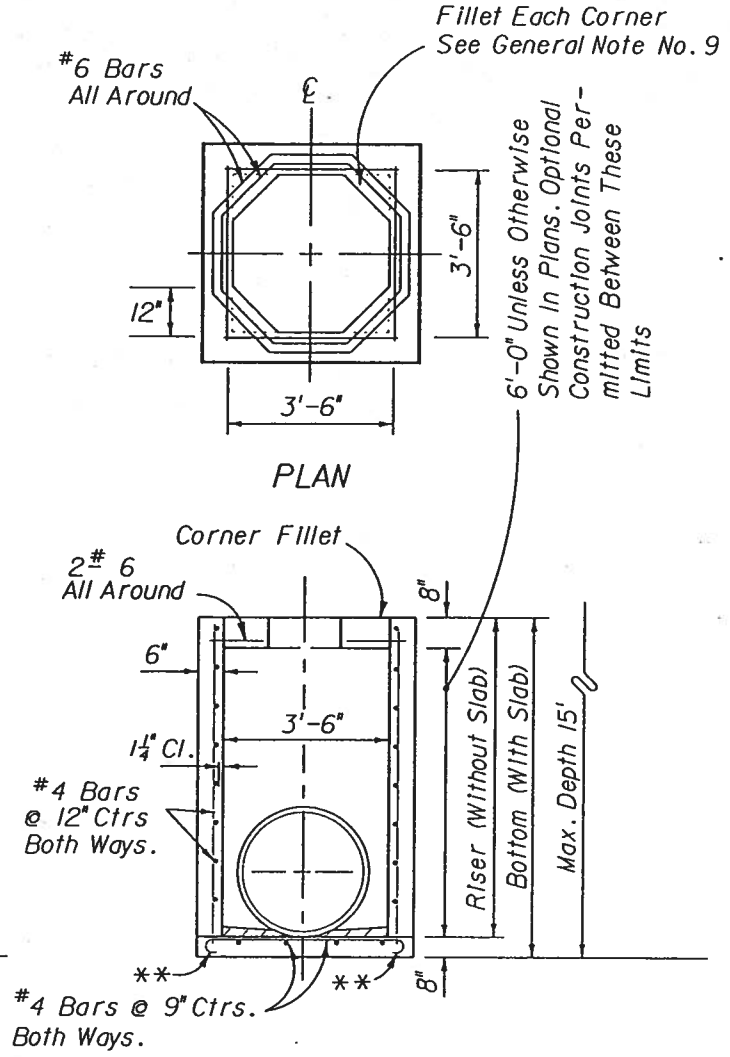
SECTION BB

TOP SLABS





ALTERNATE A



ALTERNATE B

TYPE P
STRUCTURE BOTTOM

GENERAL NOTES

1. Walls of circular structures (Alternate A) constructed in place may be of non - reinfored concrete or brick or reinforced concrete. Precast and rectangular structures (Alternate B) shall be constructed of reinforced concrete only.

2. Wall thickness and reinforcement are for either reinforced cast-in-place or precast concrete units except that precast circular units may be furnished with walls in accordance with either A.S.T.M. C-478 (up to 96" diameter) or A.S.T.M. C-76, Class III, B Wall, modified where the elliptical steel cage area is placed in the center one-third of the wall.

3. Top and floor slab thickness and reinforcement are for all types of construction. Top and floor slabs for Type J units shall be of Class II concrete. Concrete as specified in A.S.T.M. C-478 (4000 psi) may be used in lieu of Class I and Class II concrete in precast items manufactured in plants which are under the 'Standard Operating Procedures' for the Inspection of precast drainage products.

4. Reinforcement is based on Grade 40. Grade 60 or welded wire fabric, either smooth or deformed.

6. Rectangular structures may be rotated as directed by the Engineer in order to facilitate connections between the structure walls and storm sewer pipes.

7. Except when ACI hooks are specifically required, embedment hooks in the top and bottom slabs may be replaced with straight embedments or peripheral reinforcement.

8. All steel bars shall have 1 1/4" minimum cover unless otherwise shown. Horizontal steel in rectangular structures shall be lapped a minimum of 24 bar diameters at corners.

9. The corner fillets shown are necessary for rectangular structures used with circular risers and inlet throats and used on skew with rectangular risers, inlet and inlet throats. Fillets will be required in the lower end of the Alt. B riser when used with the Alt. A box.

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DRAINAGE DETAILS

REVISIONS

JOB NO. 990249
DATE 07/14/99
SHEET NO. 6