GENERAL NOTES

A. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.

B. THE CONTRACTOR SHALL WORK STRUCTURAL DRAWINGS TOGETHER WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND CIVIL DRAWINGS TO LOCATE DEPRESSED SLABS, SLOPES, DRAINS, GRADES, ETC. ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

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D. THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK.

DESIGN CRITERIA

- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318 – 89(92))
- BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530 – 92)
- AISC "MANUAL OF STEEL CONSTRUCTION" – NINTH EDITION
- AWSD D 1.1 "STRUCTURAL WELDING CODE" – LATEST EDITION
- AISI DESIGN FOR COLD FORMED STEEL STRUCTURAL MEMBERS 1996 W/1999 ADDENDUM
- ANSI / ASCE 7–98 "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"

CONCRETE

ALL CONCRETE SHALL BE DESIGNED TO SECURE A STRENGTH OF 2000 PSI AT 28 DAYS.

PROVIDE MINIMUM COVER FOR REINFORCING BARS, UNLESS OTHERWISE INDICATED:

FOOTINGS (TO GROUND)	3"
FOOTINGS (TOP AND SIDE)	3"
SLABS ON GRADE:	2"
SIDEWALKS:	2"

ALL BAR SPLICES AND DOWELS SHALL LAP 30 BAR DIAMETERS (MINIMUM) UNLESS NOTED OTHERWISE.

ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMED TO ASTM–A615, GRADE 60.

ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

ALL WELDED WIRE FABRIC SHALL BE LAPPED ONE FULL MESH, PANEL PLUS TWO INCHES AT SIDES AND ENDS AND SHALL BE WIRED TOGETHER.

ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED, AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS OUTLINED IN THE LATEST EDITION OF ACI 318 AND ACI 315. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.

EARTHWORK

ALL EXCAVATION AND BACK FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

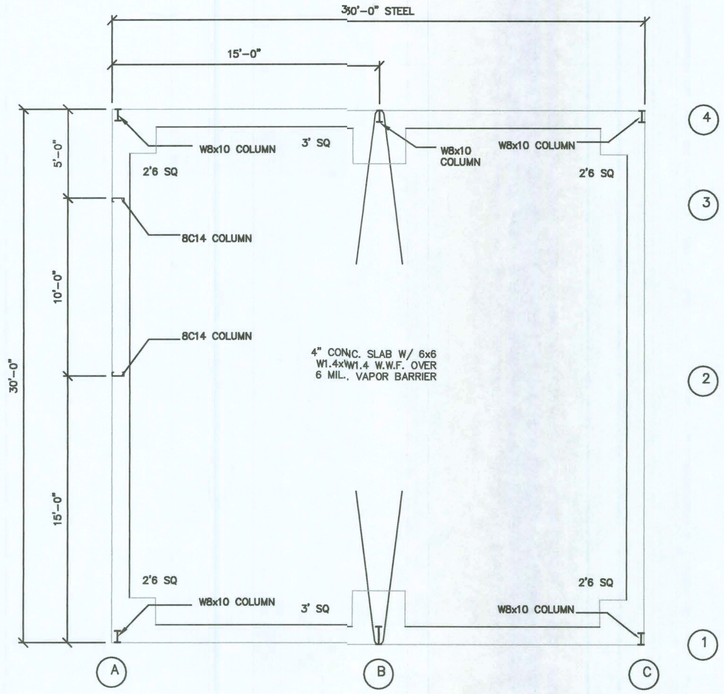
CONCRETE SHALL BE PLACED AS SOON AS PRACTICAL AFTER SOIL PREPARATION AND COMPACTION SO AS NOT TO ALLOW THE ELEMENTS OR CONSTRUCTION ACTIVITY TO DISTURB THE PREPARED AREA.

UNDER NO CIRCUMSTANCES WILL DIGGING, TUNNELING, OR TRENCHING BE ALLOWED AT OR NEAR ANY CONCRETE STRUCTURE WHICH MIGHT ACT TO UNDERMINE THE STRUCTURE.

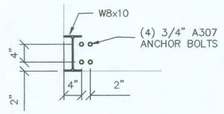
FOUNDATIONS ARE DESIGNED TO BEAR ON SOIL WHICH PROVIDES A SAFE BEARING CAPACITY OF 2,000 PSF.

DESIGN LOADS

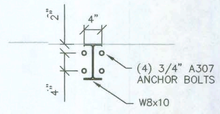
LIVE LOAD	ROOF – 20 PSF FOR STRUCTURAL MEMBERS WITH A TRIBUTARY AREA GREATER THAN 200 SF – 16 PSF
DEAD LOAD	ROOF – 5 PSF
WIND LOAD	BASIC WIND SPEED – 110 MPH EXPOSURE CATEGORY – C
2004 FLORIDA BUILDING CODE	IMPORTANCE FACTOR – 1.0



FOUNDATION PLAN
SCALE: 1/4" = 1'–0"



A.B. DETAIL @ END WALLS A&C (1.4)
SCALE : 3/4" = 1'–0"



A.B. DETAIL @ SIDE WALLS B(1.4)
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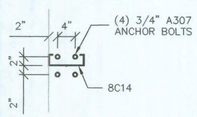

A.B. DETAIL @ END WALLS A (2.3)
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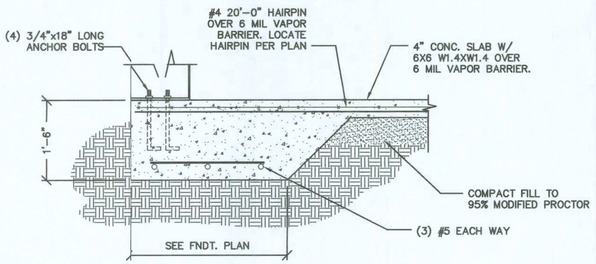
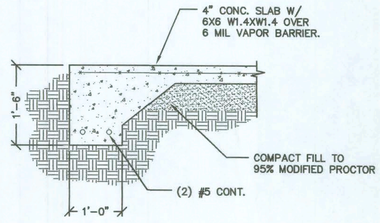


COLUMN FOOTER DETAIL
SCALE: 3/4" = 1'–0"



CONT. FOOTER DETAIL
SCALE: 3/4" = 1'–0"

PROJECT No. 92–0521
DATE: OCT., 2006
SCALE: AS NOTED

DRAWN BY: J. WELS
APPROVED BY: P. SANTORA

REVISIONS

UNION LASTEEL METAL BUILDINGS
FOUNDATION PLAN
30'–0" X 30'–0" BUILDING
COLUMBIA CO., FL

MUNICIPAL DESIGN, AIRPORT DESIGN, SITE PLANNING AND DEVELOPMENT, SUBDIVISIONS, AND SURVEYING
Northstar Engineering Services
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AL CERT. OF AUTH. CA–1866–E
FL CERT. OF AUTH. 2632
GA CERT. OF AUTH. 003129

Robert C. Stalnaker 11-1-06

SHEET 1
OF 3

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2004 FLORIDA BUILDING CODE	IMPORTANCE FACTOR – 1.0

COLUMN REACTIONS (KIPS)

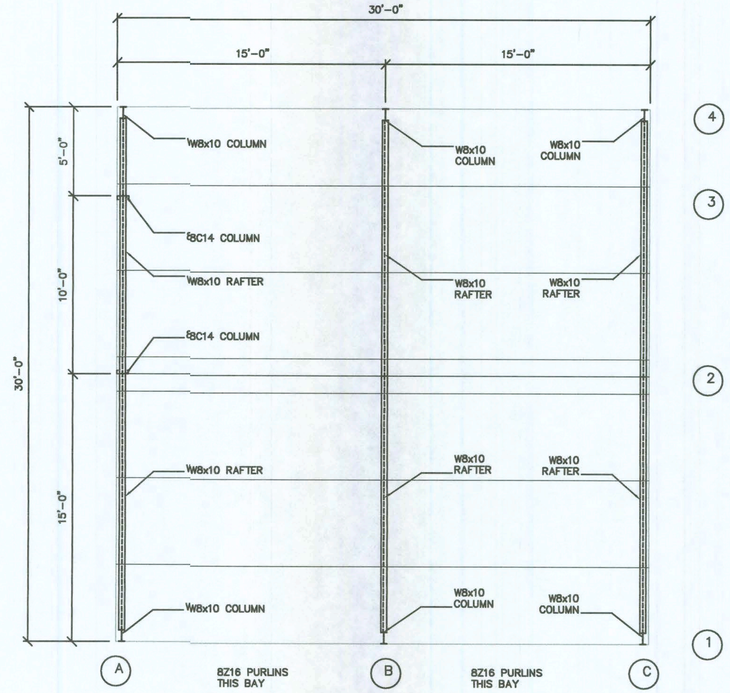
COLUMN	DL + LL	DL + WL
B (1,4)	4.65 ↓	4.25 ↑
A,C (1,4)	2.95 ↓	2.55 ↑
A,C (2–3)	0 ↓	0 ↑

DESIGN NOTE:

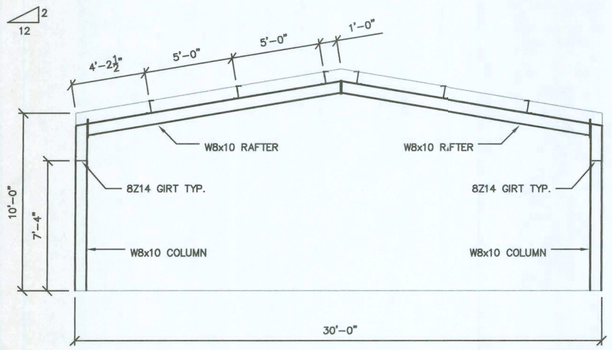
FRAMED OPENINGS AND ALL OTHER CLADDING AND COMPONENTS MUST BE DESIGNED FOR THE FOLLOWING WIND PRESSURES (psf):

ROOF:
INTERIOR ZONE– (+11.6) (–29.6)
END ZONE– (+11.6) (–45.6)
CORNER– (+11.6) (–63.6)

WALL:
INTERIOR ZONE– (+29.0) (–31.6)
END ZONE– (+29.0) (–38.0)



ROOF PLAN
SCALE: 1/4" = 1'–0"



FRAME DETAIL (LINE B)
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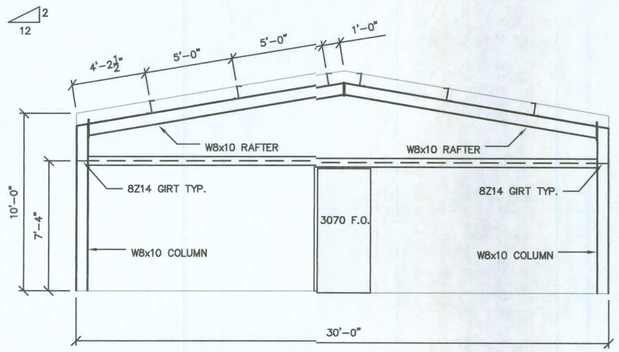

FRAME DETAIL (LINE C)
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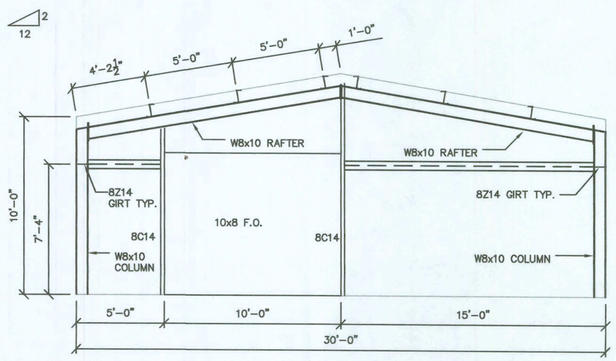

FRAME DETAIL (LINE A)
SCALE: 1/4" = 1'–0"

PROJECT No. 92–0621
DATE OCT., 2006
SCALE: AS NOTED

DRAWN BY: J. WELLS
APPROVED BY: P. SANTORA

REVISIONS:

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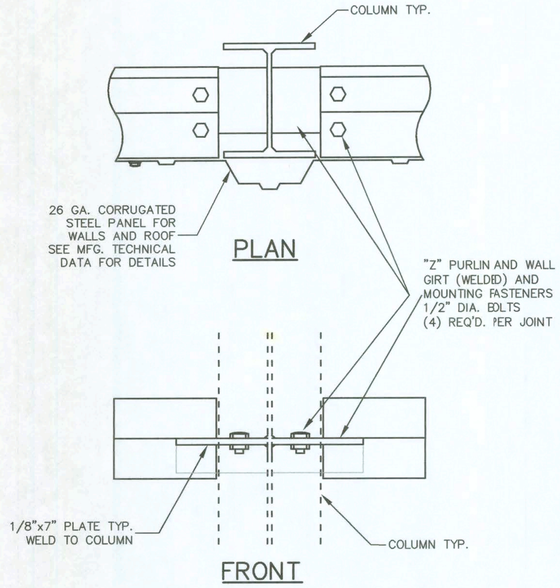
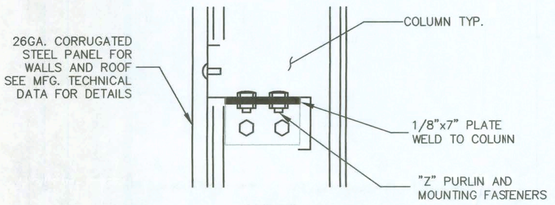
Ralph E. Autry 11-1-06

SHEET 2
OF 3



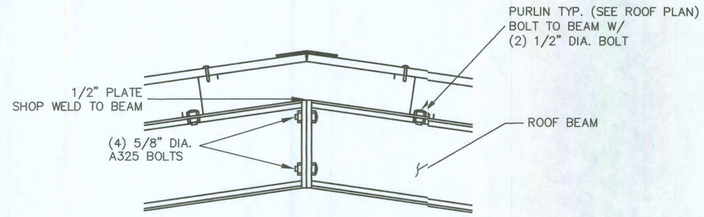
PLAN

FRONT



SIDE

JOINT DETAIL #1
NOT TO SCALE



JOINT DETAIL #2
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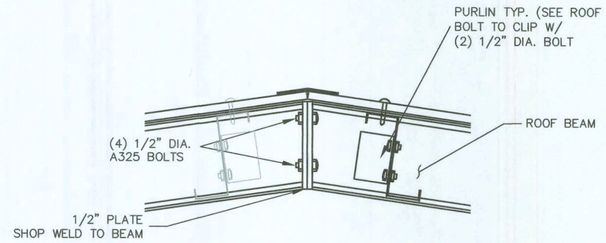
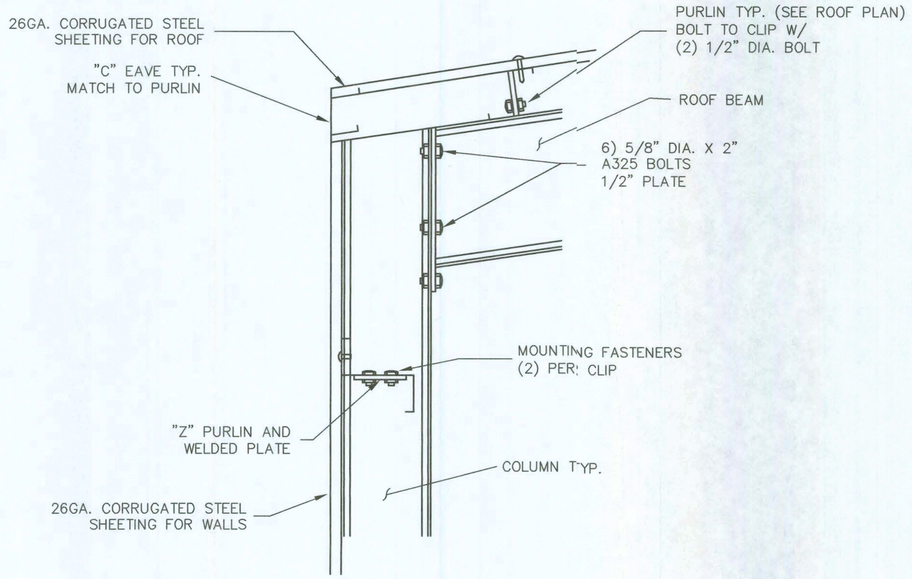
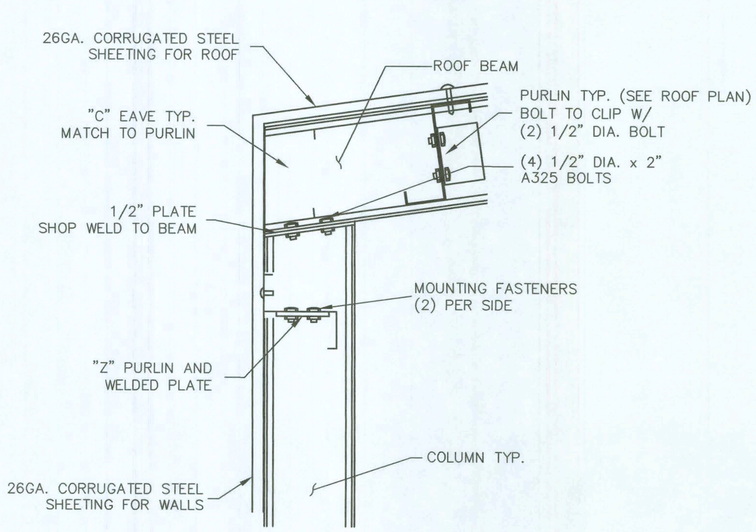


JOINT DETAIL #3
NOT TO SCALE



JOINT DETAIL #4
NOT TO SCALE



JOINT DETAIL #5
NOT TO SCALE

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SHEET 3
OF 3