IBC 2009 CODE INFORMATION

USE GROUP= S-1

CONSTRUCTION TYPE= VB

BUILDING HEIGHT= ONE STORY, 27'-10"

BUILDING AREA= 8,000 SQ FT

ALLOWABLE HEIGHT= ONE STORY, 40 FT

ALLOWABLE AREA= 9,000 SQ FT

BUILDING IS NOT EQUIPPED WITH AN AUTOMATIC FIRE SUPPRESSION

OCCUPANT LOAD= 26

MAXIMUM TRAVEL DISTANCE= 300 FT

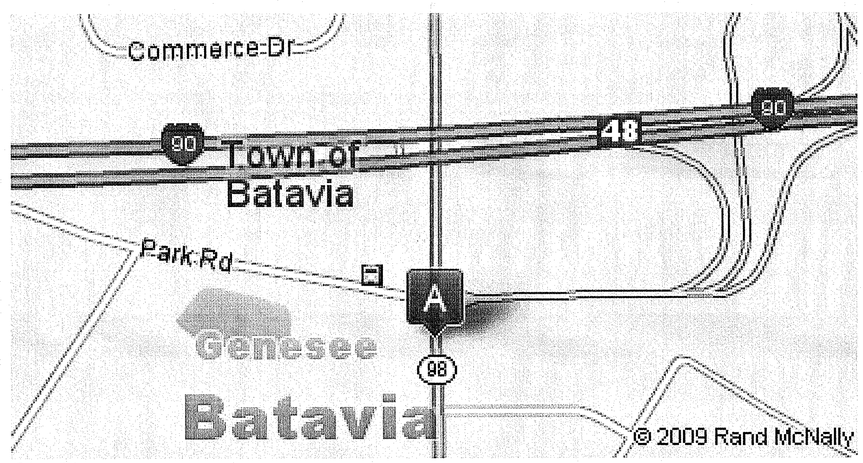
REQUIRED EGRESS:

EXIT	OCC LOAD	REQ'D EGRESS WIDTH	ACTUAL EGRESS WIDTH
2	26	5.2"	72"

Importance Factor, I_s= 1.0
Occupancy Category = II
Spectral Response Accelerations:
S_s= 0.266
S_1= 0.060
Site Class = D
Spectral Response Coefficients:
S_{DS}= 0.282
S_{D1}= 0.095
Snow Load:
Ground Snow Load = 50 psf
Wind Load:
Basic Wind Speed (3 second gust) = 90 mph

DRAWING LIST

CS COVER SHEET
S-1 FLOOR PLAN, HEADER DETAIL, BRACING
S-2 WALL SECTIONS, DETAILS, ELEVATIONS



Site Plan

SYMBOLS LEGEND

DETAIL REFERENCE NUMBER
DRAWING NUMBER

DETAIL IDENTIFICATION

DOOR REFERENCE NUMBER

DOOR IDENTIFICATION

DIRECTION OF VIEW
ELEVATION REFERENCE NUMBER
DRAWING NUMBER

ELEVATION IDENTIFICATION

DRAWING NUMBER
SECTION REFERENCE LETTER
DIRECTION OF VIEW

ELEVATION IDENTIFICATION

DOUBLETREE STRUCTURES
A Division of CB Structures, Inc.
comprehensive post-frame solutions
202 Orlan Rd, New Holland, PA 17557
1-800-544-9464

STATE OF NEW YORK * MILLKEL SINNIGER * LICENSED PROFESSIONAL ENGINEER

Project: NY State TWA Batavia
Client:
NY State TWA Batavia
PO Box 189
Albany, NY 12201

Building Location:
Interchange 48, MP 390.1
210 Oak Street
Batavia, NY 14020

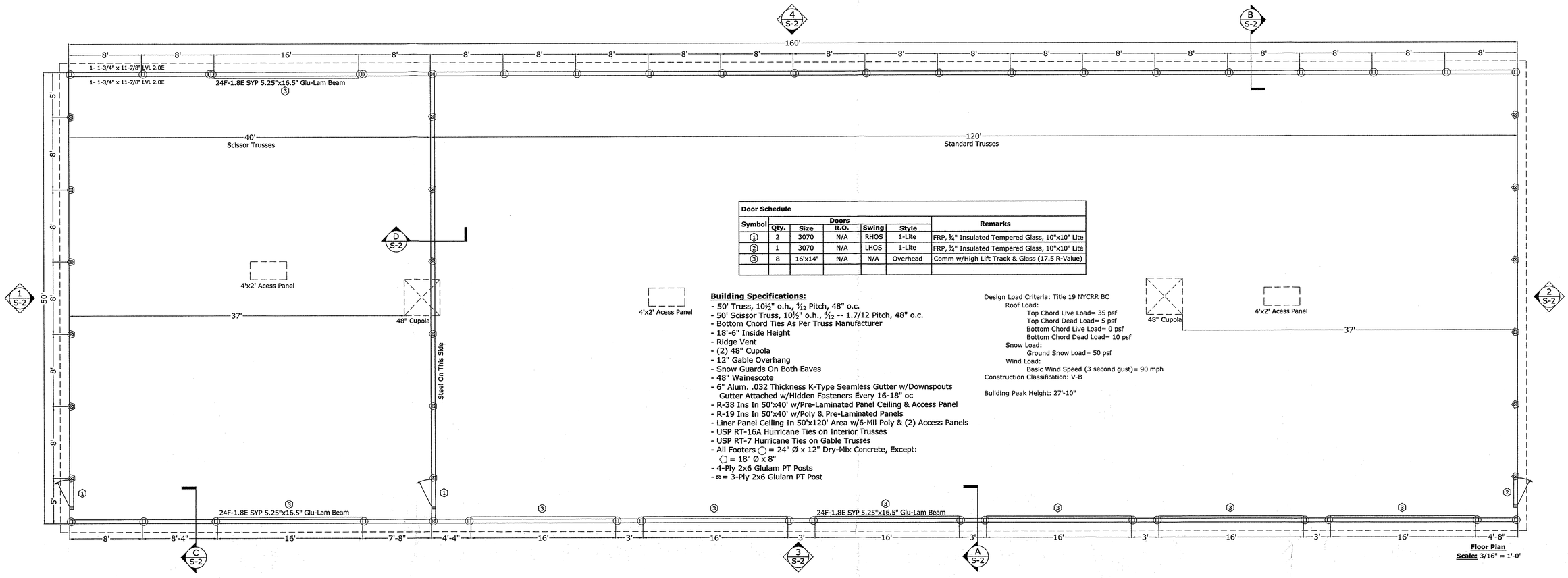
NO.	REVISION DESCRIPTION	BY	DATE

ENGR./ARCH.: MAS
DESIGN BY: AJF
DRAWN BY: AJF
CHECKED BY: JMS
DATE: 5 December 2011

Cover Sheet

Drawing No.
CS

SHEET 1 OF 3



Door Schedule

Symbol	Doors Qty.	Size	R.O.	Swing	Style	Remarks
1	2	3070	N/A	RHOS	1-Lite	FRP, ¼" Insulated Tempered Glass, 10"x10" Lite
2	1	3070	N/A	LHOS	1-Lite	FRP, ¼" Insulated Tempered Glass, 10"x10" Lite
3	8	16'x14'	N/A	N/A	Overhead	Comm w/High Lift Track & Glass (17.5 R-Value)

Building Specifications:

- 50' Truss, 10½" o.h., 4/12 Pitch, 48" o.c.
- 50' Scissor Truss, 10½" o.h., 4/12 -- 1.7/12 Pitch, 48" o.c.
- Bottom Chord Ties As Per Truss Manufacturer
- 18'-6" Inside Height
- Ridge Vent
- (2) 48" Cupola
- 12" Gable Overhang
- Snow Guards On Both Eaves
- 48" Wainescote
- 6" Alum. .032 Thickness K-Type Seamless Gutter w/Downspouts Gutter Attached w/Hidden Fasteners Every 16-18" oc
- R-38 Ins In 50'x40' w/Pre-Laminated Panel Ceiling & Access Panel
- R-19 Ins In 50'x40' w/Poly & Pre-Laminated Panels
- Liner Panel Ceiling In 50'x120' Area w/6-Mil Poly & (2) Access Panels
- USP RT-16A Hurricane Ties on Interior Trusses
- USP RT-7 Hurricane Ties on Gable Trusses
- All Footers ◯ = 24" Ø x 12" Dry-Mix Concrete, Except:
  ◯ = 18" Ø x 8"
- 4-Ply 2x6 Glulam PT Posts
- ⊠ = 3-Ply 2x6 Glulam PT Post

Design Load Criteria: Title 19 NYCRR BC
Roof Load:
Top Chord Live Load= 35 psf
Top Chord Dead Load= 5 psf
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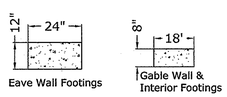
Snow Load:
Ground Snow Load= 50 psf
Wind Load:
Basic Wind Speed (3 second gust)= 90 mph
Construction Classification: V-B

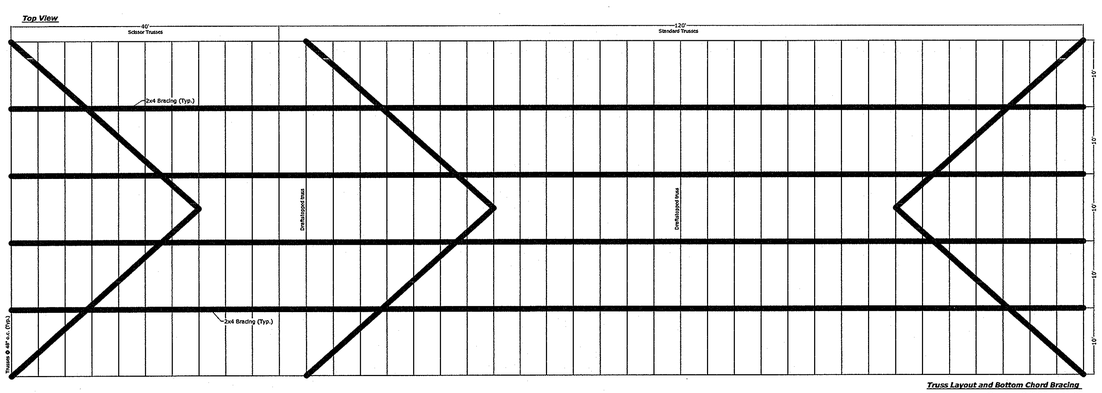
Building Peak Height: 27'-10"

Floor Plan
Scale: 3/16" = 1'-0"

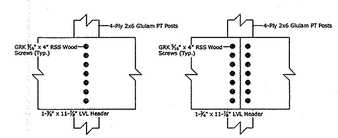


Footing Details

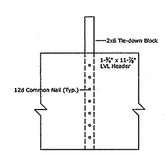
Scale: 3/8" = 1'-0"



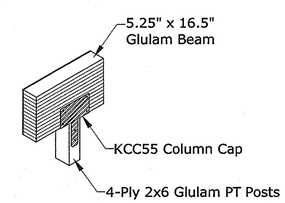
Truss Layout and Bottom Chord Bracing
Scale: 3/32" = 1'-0"



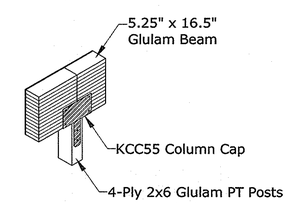
Typical Header To Post Connection



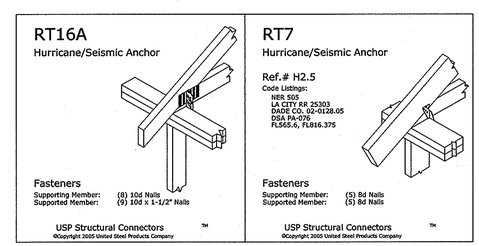
Typical Header To Tie-down Block

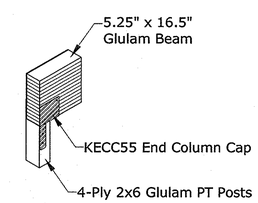


Glulam Beam Detail
No Scale



Glulam Beam Detail
No Scale





Glulam Beam Detail
No Scale

DOUBLETREE STRUCTURES
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comprehensive post-frame solutions
202 Orlan Rd, New Holland, PA 17557
1-800-544-9464

STATE OF NEW YORK · MICHAEL SWINGER · 039977 · LICENSED PROFESSIONAL ENGINEER

Project: NY State TWA Batavia

Client:
NY State TWA Batavia
PO Box 189
Albany, NY 12201

Building Location:
Interchange 48, MP 390.1
210 Oak Street
Batavia, NY 14020

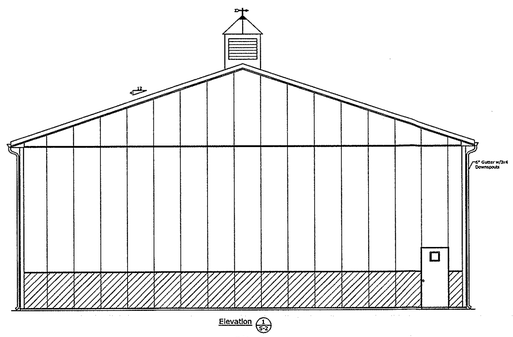
NO.	REVISION DESCRIPTION	BY	DATE

ENGR./ARCH.: MAS
DESIGN BY: AJF
DRAWN BY: AJF
CHECKED BY: JMS
DATE: 5 December 2011

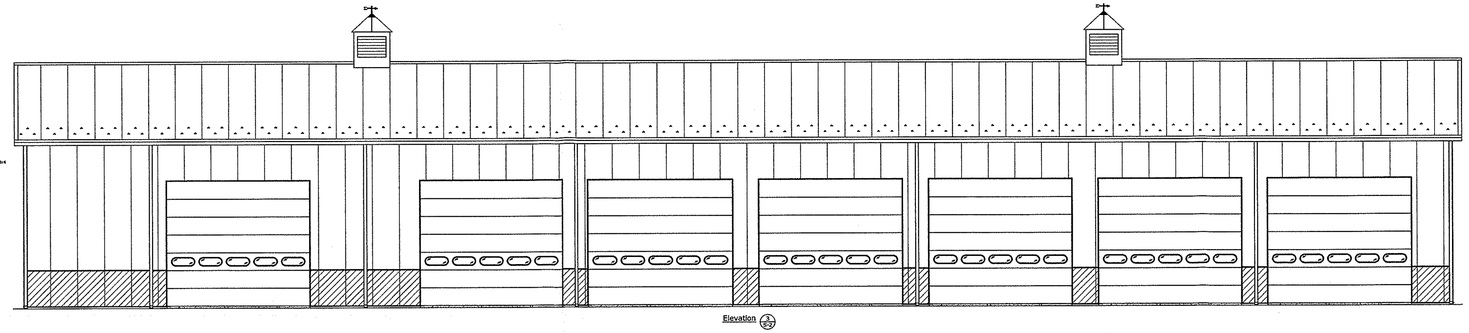
Plans
Truss Layout Details

Drawing No.
S-1

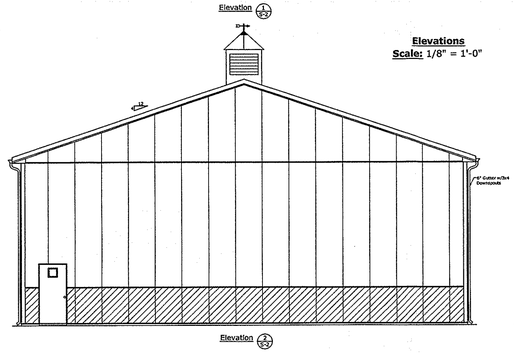
SHEET 2 OF 3



Elevation 1/S-2

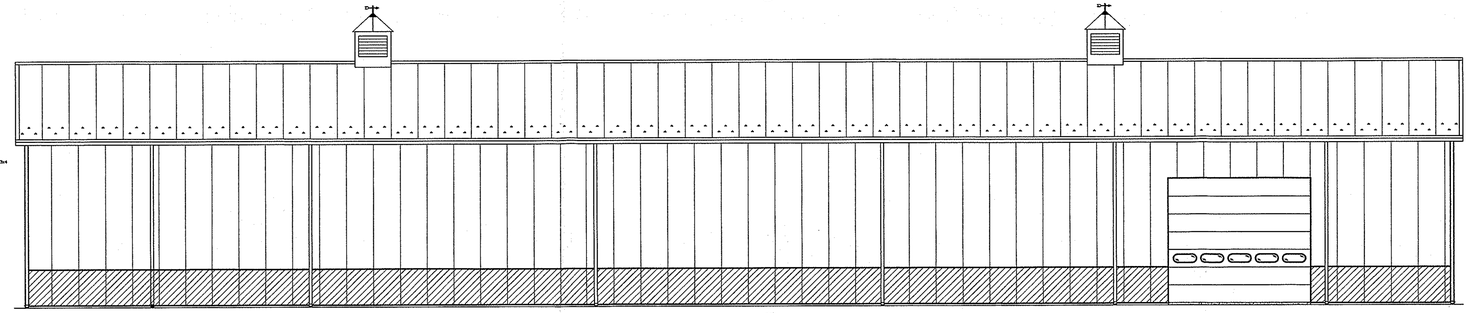


Elevation 3/S-2

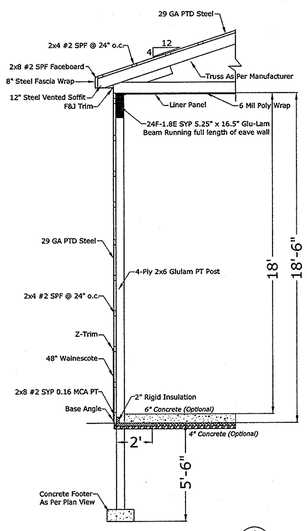


Elevation 2/S-2

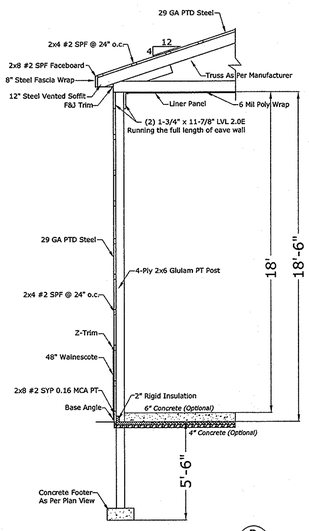
Elevations
Scale: 1/8" = 1'-0"



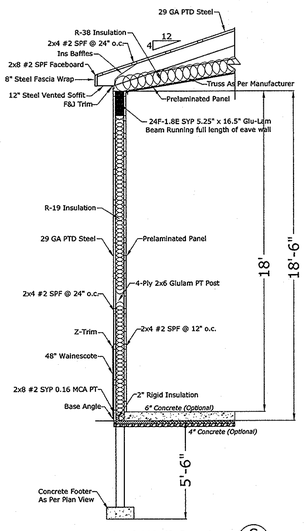
Elevation 4/S-2



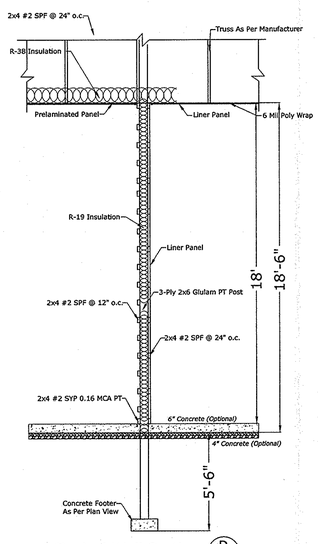
Typical Wall Section A/S-2
Scale: 1/4" = 1'-0"



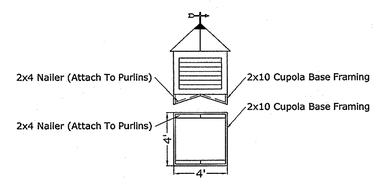
Typical Wall Section B/S-2
Scale: 1/4" = 1'-0"



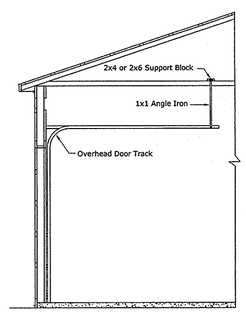
Typical Wall Section C/S-2
Scale: 1/4" = 1'-0"



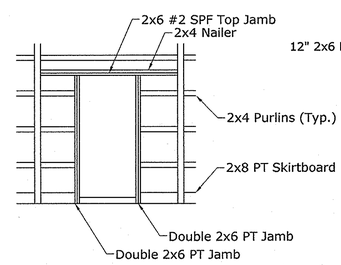
Typical Wall Section D/S-2
Scale: 1/4" = 1'-0"



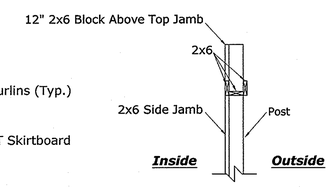
Cupola Framing Detail
Scale: 3/16" = 1'-0"

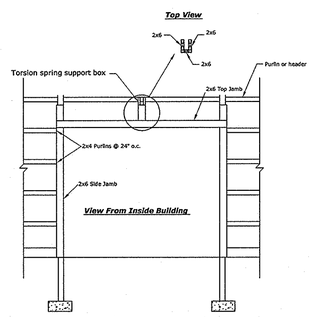


Check door rough openings before installation
Notch skirtboard according to concrete floor height



Service Door Detail
Scale: 1/4" = 1'-0"





Overhead Door Detail
No Scale

Notes:
- 2x6 side jambs run up to bottom of top jamb on each post
- 12" 2x6 block above top jamb on each post
- 2x6 support box located at each torsion spring bracket
- 2x6 support box runs from door header to at least 12" above

DOUBLETREE STRUCTURES
A Division of CB Structures, Inc.
comprehensive post-frame solutions
202 Orlan Rd, New Holland, PA 17557
1-800-544-9464

STATE OF NEW YORK · MICHAEL SHINGER · 82347 · LICENSED PROFESSIONAL ENGINEER

Project: NY State TWA Batavia
Client:
NY State TWA Batavia
PO Box 189
Albany, NY 12201

Building Location:
Interchange 48, MP 390.1
210 Oak Street
Batavia, NY 14020

NO.	REVISION DESCRIPTION	BY	DATE

ENGR./ARCH.:	MAS
DESIGN BY:	AJF
DRAWN BY:	AJF
CHECKED BY:	JMS
DATE:	5 December 2011

Typical Wall Elevations

Drawing No.
S-2

SHEET 3 OF 3

IBC 2009 CODE INFORMATION

USE GROUP= S-1

CONSTRUCTION TYPE= VB

BUILDING HEIGHT= ONE STORY, 27'-10"

BUILDING AREA= 8,000 SQ FT

ALLOWABLE HEIGHT= ONE STORY, 40 FT

ALLOWABLE AREA= 9,000 SQ FT

BUILDING IS NOT EQUIPPED WITH AN AUTOMATIC FIRE SUPPRESSION

OCCUPANT LOAD= 26

MAXIMUM TRAVEL DISTANCE= 300 FT

REQUIRED EGRESS:

EXIT	OCC LOAD	REQ'D EGRESS WIDTH	ACTUAL EGRESS WIDTH
2	26	5.2"	72"

Importance Factor, I_s= 1.0
Occupancy Category = II
Spectral Response Accelerations:
S_s= 0.209
S_1= 0.058
Site Class = D
Spectral Response Coefficients:
S_{DS}= 0.223
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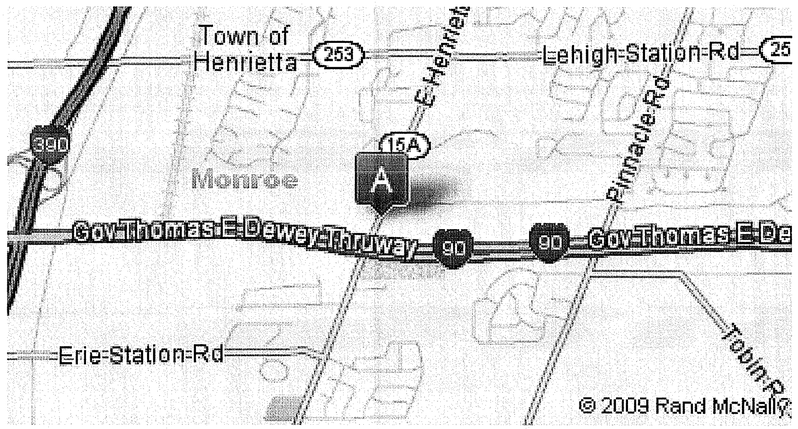
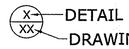
DRAWING LIST

CS COVER SHEET
S-1 FLOOR PLAN, HEADER DETAIL, BRACING
S-2 WALL SECTIONS, DETAILS, ELEVATIONS



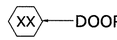
Site Plan

SYMBOLS LEGEND



DETAIL REFERENCE NUMBER
DRAWING NUMBER

DETAIL IDENTIFICATION

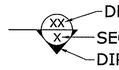


DOOR REFERENCE NUMBER

DOOR IDENTIFICATION

DIRECTION OF VIEW
ELEVATION REFERENCE NUMBER
DRAWING NUMBER

ELEVATION IDENTIFICATION



DRAWING NUMBER
SECTION REFERENCE LETTER
DIRECTION OF VIEW

ELEVATION IDENTIFICATION

DOUBLETREE STRUCTURES
A Division of CB Structures, Inc.
comprehensive post-frame solutions
202 Orlan Rd, New Holland, PA 17557
1-800-544-9464

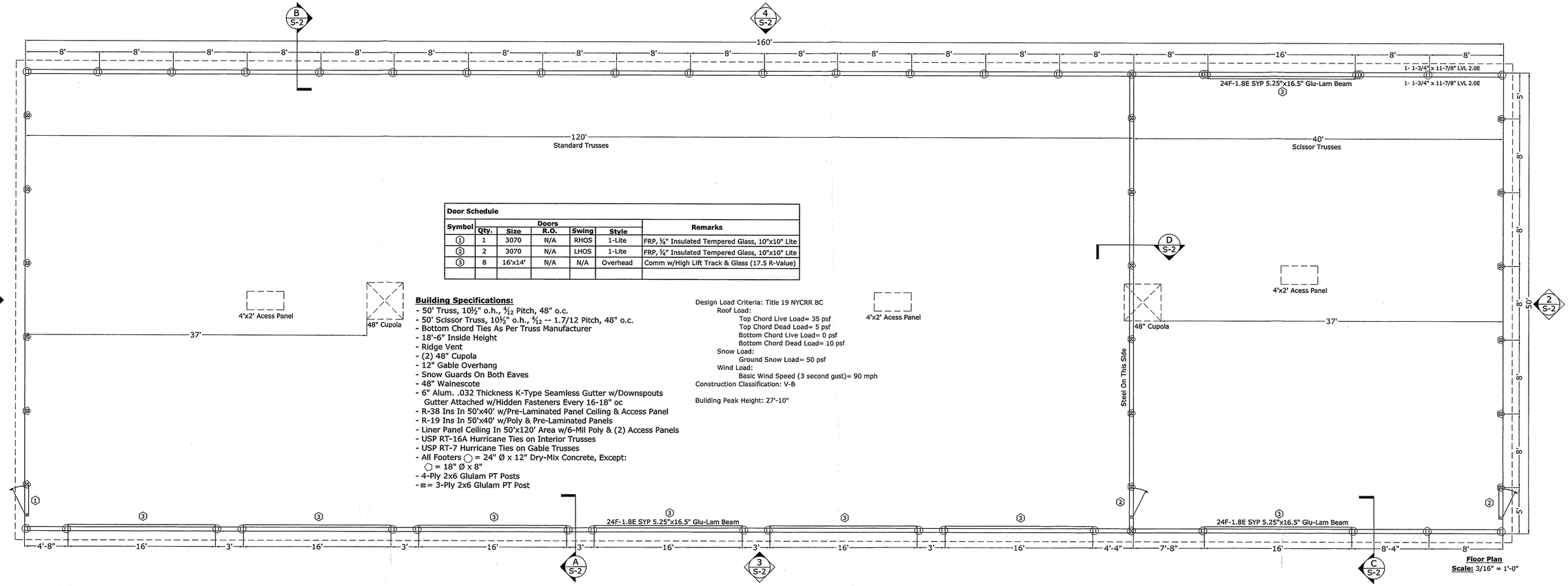
Project: NY State TWA Henrietta
Client:
NY State TWA Henrietta
PO Box 189
Albany, NY 12201
Building Location:
Interchange 46, MP 362.4
5200 West Henrietta Rd
Henrietta, NY 14467

NO.	REVISION DESCRIPTION	BY	DATE

ENGR./ARCH.:	MAS
DESIGN BY:	AJF
DRAWN BY:	AJF
CHECKED BY:	JMS
DATE:	5 December 2011

Cover Sheet

Drawing No.
CS



Floor Plan
Scale: 3/16" = 1'-0"

Door Schedule						
Symbol	Doors					Remarks
	Qty.	Size	R.O.	Swing	Style	
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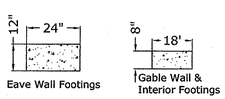
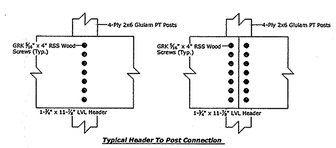
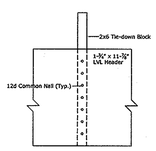


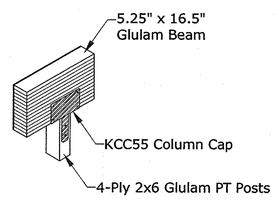
Footing Details
Scale: 3/8" = 1'-0"



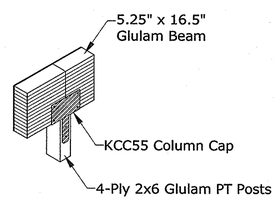
Typical Header To Post Connection



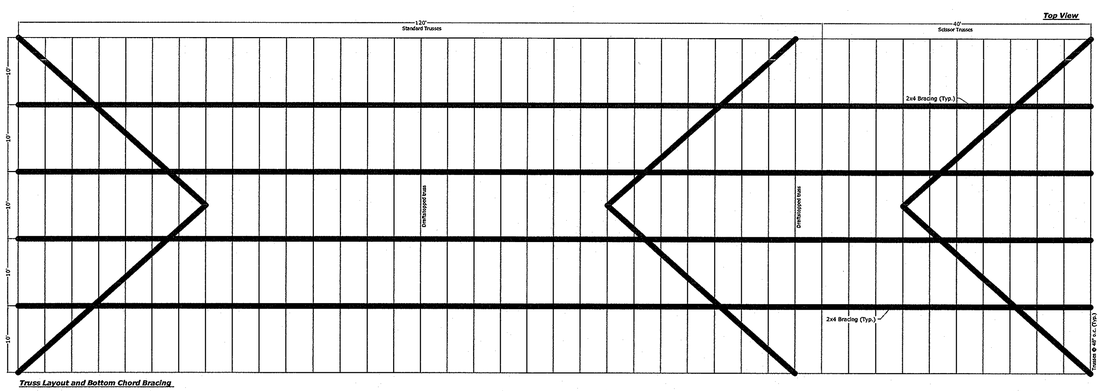
Typical Header To Tie-down Block



Glulam Beam Detail
No Scale

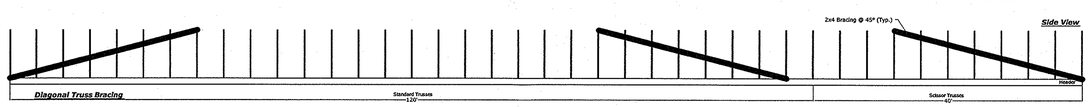


Glulam Beam Detail
No Scale

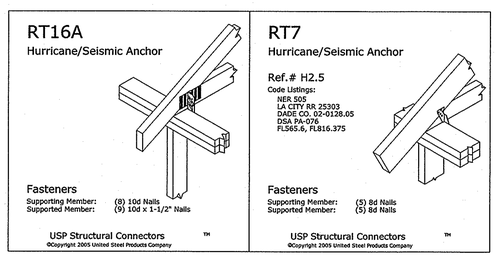


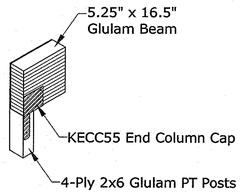
Truss Layout and Bottom Chord Bracing

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



Diagonal Truss Bracing





Glulam Beam Detail
No Scale

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202 Orlan Rd, New Holland, PA 17557
1-800-544-9464

STATE OF NEW YORK · MICHAEL A. SWINGER · 085377 · LICENSED PROFESSIONAL ENGINEER

Project: NY State TWA Henrietta
Building Location:
Interchange 46, MP 362.4
5200 West Henrietta Rd
Henrietta, NY 14467

Client:
NY State TWA Henrietta
PO Box 189
Albany, NY 12201

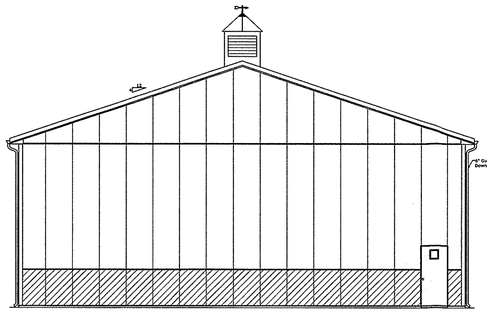
NO.	REVISION DESCRIPTION	BY	DATE

ENGR./ARCH.:	MAS
DESIGN BY:	AJF
DRAWN BY:	AJF
CHECKED BY:	JMS
DATE:	5 December 2011

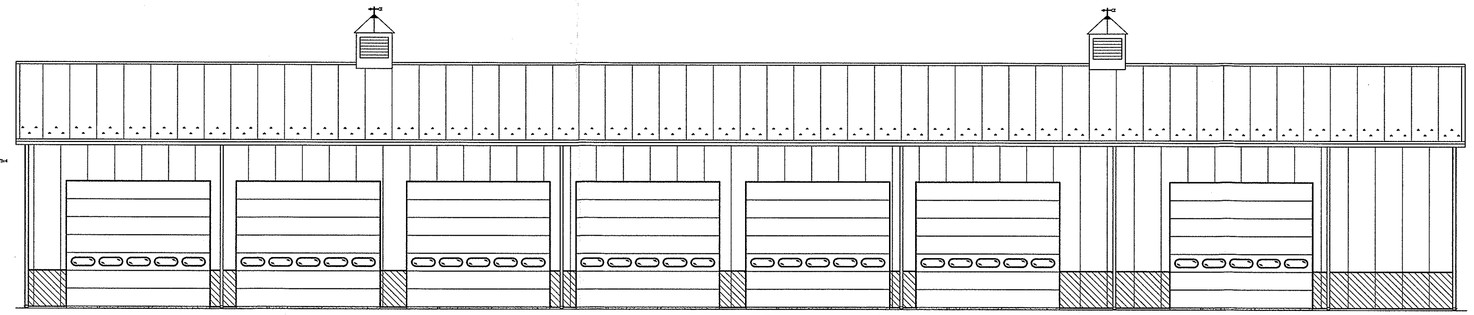
Plans
Truss Layout Details

Drawing No.
S-1

SHEET 2 OF 3

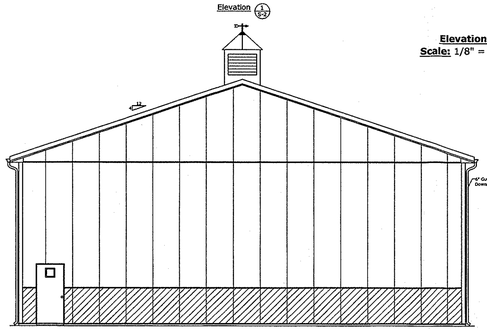


Elevation (1/S-2)

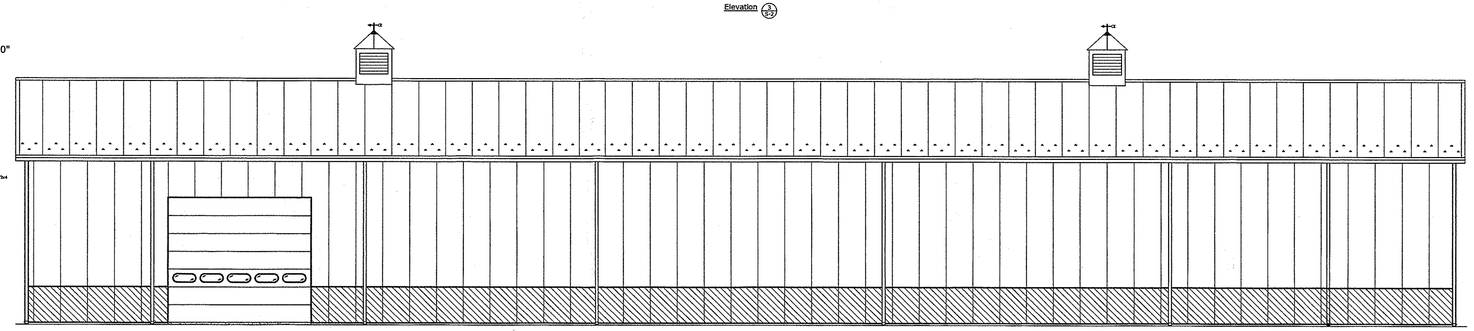


Elevation (3/S-2)

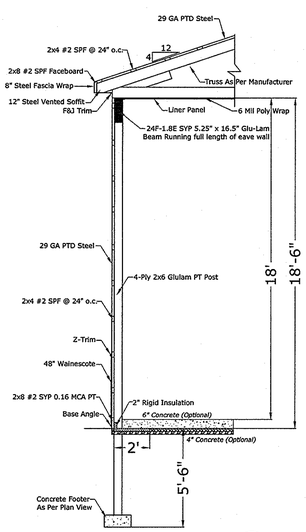
Elevations
Scale: 1/8" = 1'-0"



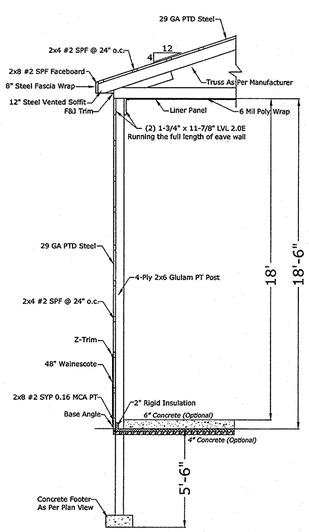
Elevation (2/S-2)



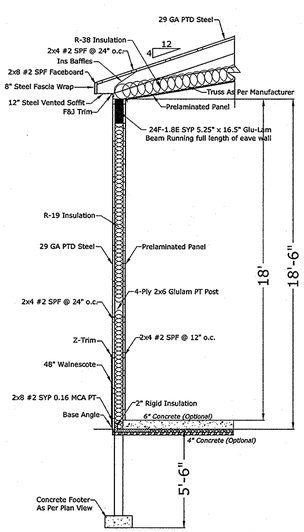
Elevation (4/S-2)



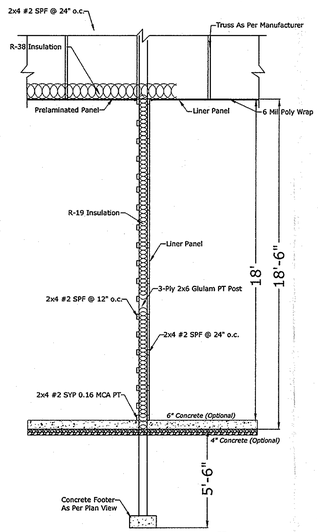
Typical Wall Section (A/S-2)
Scale: 1/4" = 1'-0"



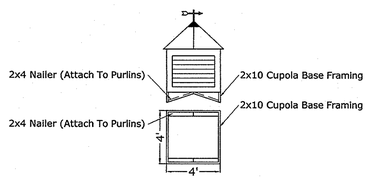
Typical Wall Section (B/S-2)
Scale: 1/4" = 1'-0"



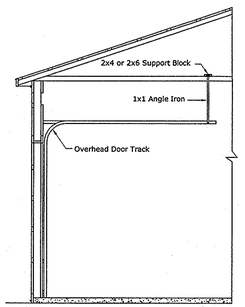
Typical Wall Section (C/S-2)
Scale: 1/4" = 1'-0"



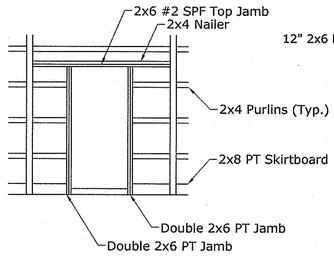
Typical Wall Section (D/S-2)
Scale: 1/4" = 1'-0"



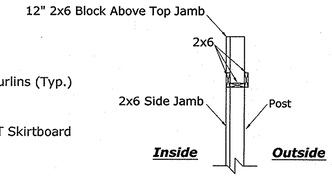
Cupola Framing Detail
Scale: 3/16" = 1'-0"

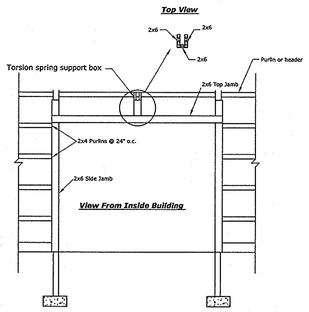


Check door rough openings before installation
Notch skirtboard according to concrete floor height



Service Door Detail
Scale: 1/4" = 1'-0"





Overhead Door Detail
No Scale

Notes: - 2x6 side jambs run up to bottom of top jamb on each post
- 12" 2x6 block above top jamb on each post
- 2x6 support box located at each torsion spring bracket
- 2x6 support box runs from door header to at least 12" above

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STATE OF NEW YORK · MICHAEL J. SINNIGER · 071890 · LICENSED PROFESSIONAL ENGINEER

Project: NY State TWA Henrietta
Client: NY State TWA Henrietta
PO Box 189
Albany, NY 12201

Building Location:
Interchange 46, MP 362.4
5200 West Henrietta Rd
Henrietta, NY 14467

NO.	REVISION DESCRIPTION	BY	DATE

ENGR./ARCH.:	MAS
DESIGN BY:	AJF
DRAWN BY:	AJF
CHECKED BY:	JMS
DATE:	5 December 2011

Typical Wall Elevations

Drawing No.
S-2

SHEET 3 OF 3