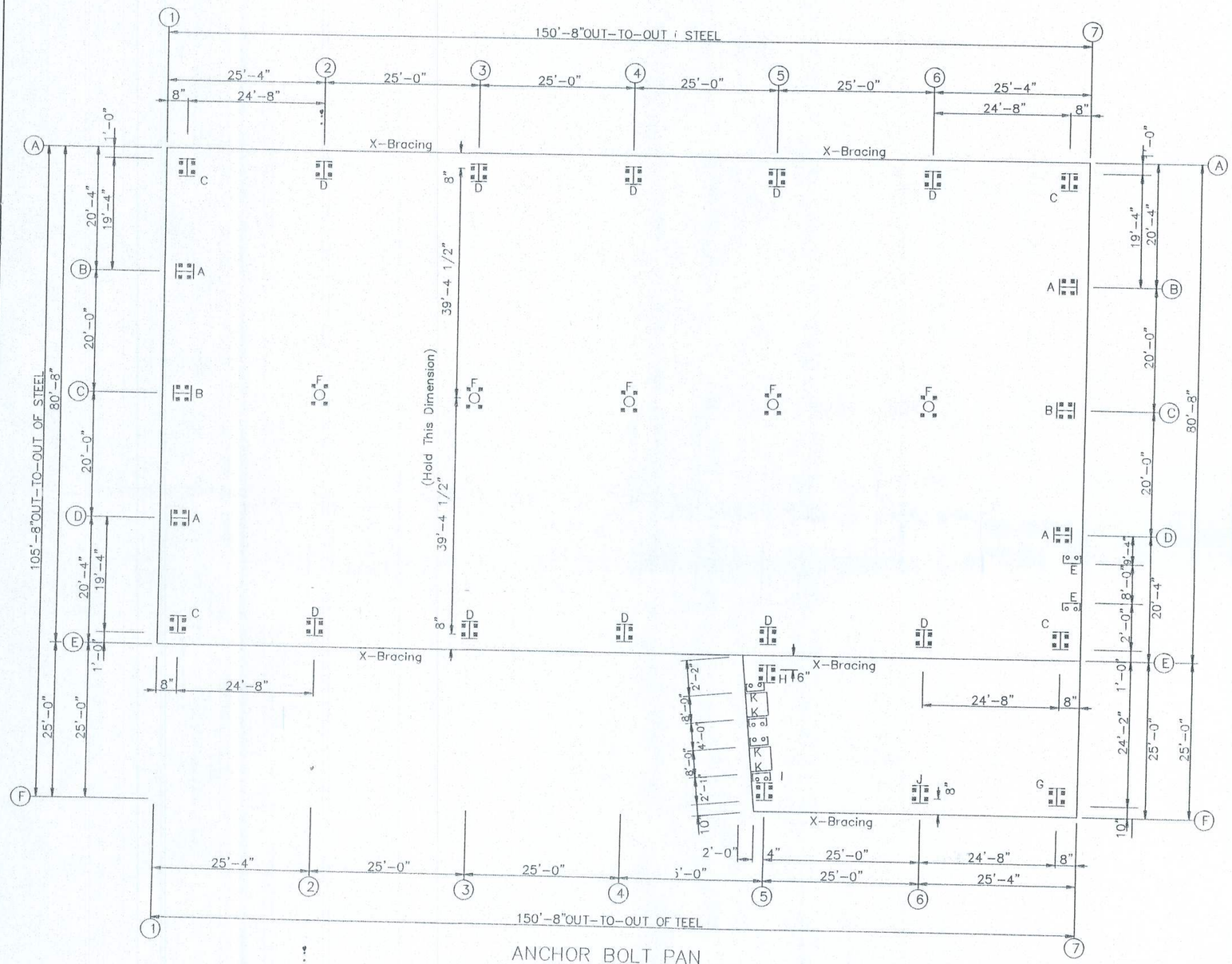
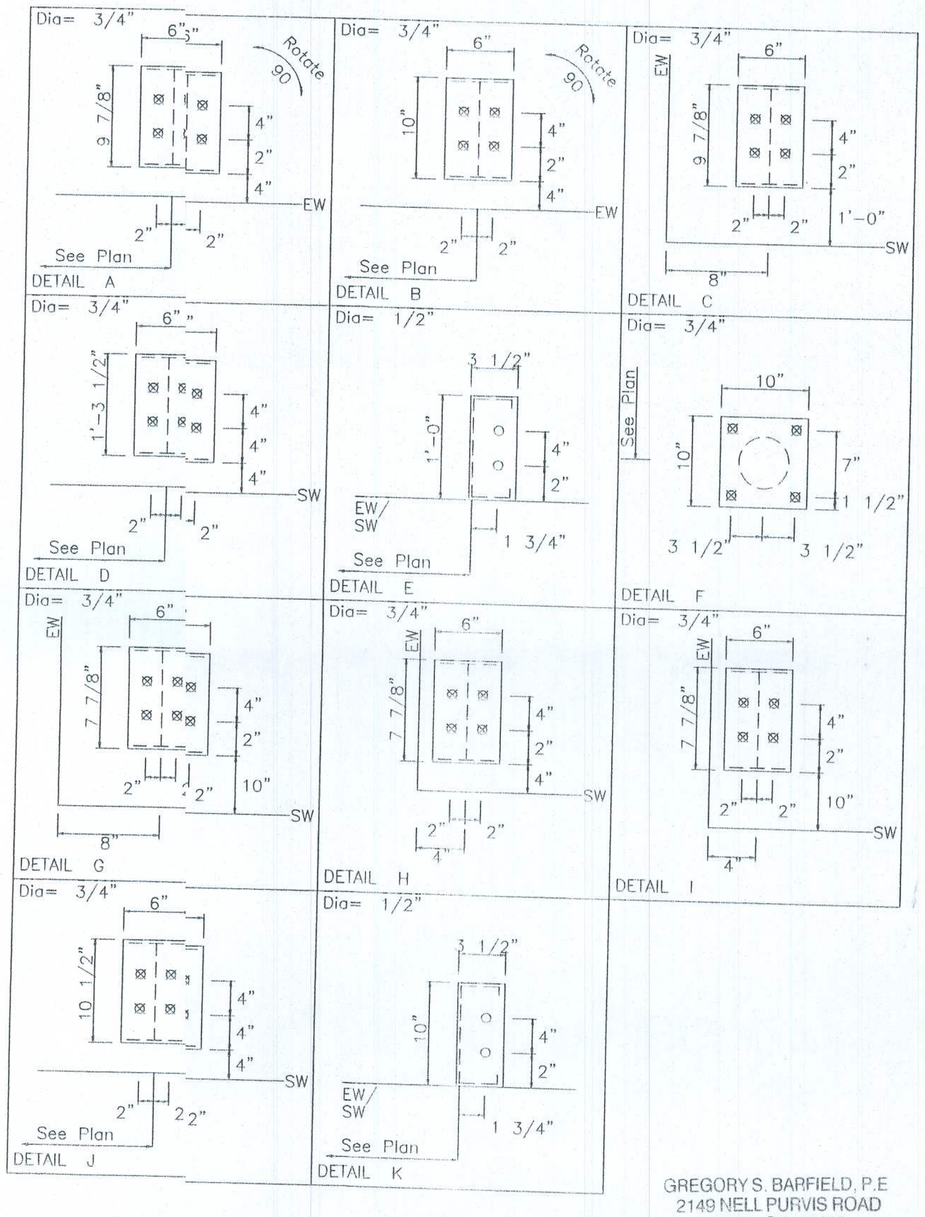


ANCHOR BOLT PAN

NOTE: All Base Plates @ 100'0" (U.N.)



GREGORY S. BARFIELD, P.E
2149 NELL PURVIS ROAD
ADEL, GA 31620
P E # 54419

DESIGN CRITERIA

BUILDING CODE:	FBC 07	
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	4	PSF
SNOW LOAD:	0	PSF
WIND LOAD: (3 SECOND GUST)	100	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
SEISMIC USE GROUP	I	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER

6-23-10

ELITE STRUCTURES
A DIVISION OF ELITE CONTRACTING INC.
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S.	DATE: 6-4-10
DRAWN BY: T GIBBS	
BUILDING SIZE: VARIES	

REVISION

DATE:	DESCRIPTION

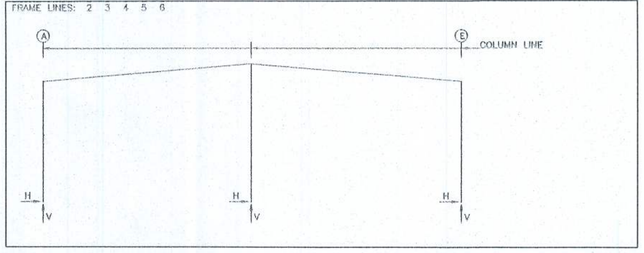
TITLE/LOCATION: J.L. DUPREE LAKE CITY FL

PLAN: ANCHORR BOLT PLAN

JOB # 7629-AB

SHEET 1 OF 10

FRAME LINES: 2 3 4 5 6



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. No	Bolt D(in)	Base Wid	Plate (in) Len	Thk	Grout (in)
2 *	A	3	4.8	9.5	4	-5.9	-7.9	4	0.750	6.000	15.50	0.500	0.0
		1	2.8	10.6	5	-1.7	-12.4						
2 *	E	5	6.1	-6.9	2	-4.8	10.5	4	0.750	6.000	15.50	0.500	0.0
		1	-1.8	16.8	7	-3.1	-12.0						
2 * @ 40.1		8	0.0	-9.7	8	0.0	-9.7	4	0.750	10.00	10.00	0.500	0.0
		1	0.0	19.4									

2 * Frame lines: 2 3 4 5 6

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	80.7
Length (ft)	=	150.7
Eave Height (ft)	=	23.5/ 23.5
Roof Slope (rise/12)	=	1.0/ 1.0
Dead Load (psf)	=	2.5
Collateral Load (psf)	=	4.0
Roof Live Load(psf)	=	20.0
Frame Live Load(psf)	=	12.0
Wind Speed (mph)	=	100.0
Wind Code	=	FBC 07 (IBC 06
Exposure	=	B
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Design Category	=	B
Seismic Coeff (Fa*Sa)	=	0.20

Id	Description
1	DL+CL+LL
2	DL+CL+0.75LL+0.75WL1
3	DL+CL+0.75LL+0.75WR2
4	0.60DL+WL1
5	0.60DL+WR2
6	0.60DL+LnWnd1+LWIND1_L2E
7	0.60DL+LnWnd1+LWIND1_R2E
8	0.60DL-LnWnd1+LWIND1_L2E
9	0.60DL+WL2+WS
10	0.60DL+WR+LnWnd1
11	0.60DL+WR2+WS

BRACING REACTIONS, PANEL SHEAR

Wall Loc	Line	Col Line	± Reactions (k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft)
L_EW	1						29
F_SW	E	2 ,3	4.1	3.5	0.9	0.8	
		6 ,7	4.1	3.5	0.9	0.8	
R_EW	7						32
B_SW	A	7 ,6	3.2	2.7	0.7	0.6	
		3 ,2	3.2	2.7	0.7	0.6	

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
2 *	A	0.5	2.2	0.6	2.1	1.8	6.4	-6.2	-9.2	3	-3.6	-5.6	-5.1
2 *	E	-0.3	3.1	-0.4	3.4	-1.1	10.2	-4.4	-4.9	3	-12.7	-2.3	-1.0
2 *	@ 40.1	0.0	3.6	0.0	4.0	0.0	11.8	0.0	-10.0	3	-10.4	0.0	-5.6

Frame Line	Column Line	Wind_R2 Horiz	Wind_R2 Vert	Wind_Ln1 Horiz	Wind_Ln1 Vert	Wind_Ln2 Horiz	Wind_Ln2 Vert	Seismic_L Horiz	Seismic_L Vert	Seismic_R Horiz	Seismic_R Vert	SeisLn Horiz	SeisLn Vert
2 *	A	3.2	0.6	-1.9	-11.7	-1.6	-9.4	-0.5	-0.3	3	0.3	0.0	-1.6
2 *	E	6.3	-8.8	-3.0	-11.9	-3.9	-10.9	-0.5	0.3	3	-0.3	0.0	-2.0
2 *	@ 40.1	0.0	-5.9	0.0	-11.6	0.0	-6.7	0.0	0.0	3	0.0	0.0	0.0

Frame Line	Column Line	LWIND1_L2E Horiz	LWIND1_L2E Vert	LWIND1_R2E Horiz	LWIND1_R2E Vert	LWIND2_L3E Horiz	LWIND2_L3E Vert	LWIND2_R3E Horiz	LWIND2_R3E Vert	FLAT_LL 1 Horiz	FLAT_LL 1 Vert	FLAT_LL 2 Horiz	FLAT_LL 2 Vert
2 *	A	-0.1	-1.9	-0.3	-0.1	0.0	-0.8	-0.1	-0.1	7	6.1	0.8	0.0
2 *	E	0.3	-0.1	0.1	-1.9	0.1	0.0	0.0	-0.8	7	0.0	-0.7	6.2
2 *	@ 40.1	0.0	-0.3	0.0	-0.3	0.0	-0.1	0.0	-0.1	3	6.0	0.0	6.0

2 * Frame lines: 2 3 4 5 6

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Rafter Wind_L Vert	Rafter Wind_R Vert	Brace Wind_L Vert	Brace Wind_R Vert	Wind_P Horz	W_S Vert	Wind_Ln1 Vert	Wind_Ln2 Vert	Seis_L Vert
1	A	0.7	0.5	2.3	-2.2	-1.3	-2.2	-1.3	0.0	3	-1.6	-1.0	0.0
1	B	1.2	1.2	5.5	-5.4	-2.9	-5.4	-2.9	-3.1	3	-3.9	-2.4	0.0
1	C	1.2	1.0	4.7	-3.5	-3.6	-3.5	-3.6	-3.4	7	-3.2	-2.0	-0.1
1	D	1.2	1.2	5.5	-2.9	-5.4	-2.9	-5.4	-3.1	4	-3.9	-2.4	0.0
1	E	0.7	0.5	2.3	-1.3	-2.2	-1.3	-2.2	0.0	3	-1.6	-1.0	0.0

Frm Line	Col Line	Seis_R Vert	E1PAT_LL 1 Horz	E1PAT_LL 1 Vert	E1PAT_LL 2 Horz	E1PAT_LL 2 Vert	E1PAT_LL 3 Horz	E1PAT_LL 3 Vert	E1PAT_LL 4 Horz	E1PAT_LL 4 Vert	E1PAT_5 Horz	E1PAT_5 Vert	LWIND1_L Horz	LWIND1_L Vert
1	A	0.0	0.0	2.1	0.0	-0.2	0.0	0.0	0.0	2.4	0.0	0.3	0.0	-0.7
1	B	0.0	0.0	5.8	0.0	2.3	0.0	-0.3	0.0	2.7	0.0	1.8	0.0	-0.6
1	C	-0.1	0.0	2.3	0.0	5.7	0.0	2.3	0.0	2.3	0.0	1.3	0.0	0.1
1	D	0.0	0.0	-0.3	0.0	2.3	0.0	5.8	0.0	2.8	0.0	1.7	0.0	0.0
1	E	0.0	0.0	0.1	0.0	-0.2	0.0	2.1	0.0	-0.3	0.0	1.4	0.0	0.0

Frm Line	Col Line	LWIND1_R Horz	LWIND1_R Vert	LWIND2_L Horz	LWIND2_L Vert	LWIND2_R Horz	LWIND2_R Vert
1	A	0.0	0.0	0.0	-0.3	0.0	0.0
1	B	0.0	0.0	0.0	-0.3	0.0	0.0
1	C	0.0	0.1	0.0	0.1	0.0	0.1
1	D	0.0	-0.6	0.0	0.0	0.0	-0.3
1	E	0.0	-0.7	0.0	0.0	0.0	-0.3

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Rafter Wind_L Vert	Rafter Wind_R Vert	Brace Wind_L Vert	Brace Wind_R Vert	Wind_P Horz	W_S Vert	Wind_Ln1 Vert	Wind_Ln2 Vert	Seis_L Vert
7	E	0.7	0.5	2.3	-2.2	-1.3	-2.2	-1.3	0.0	3	-1.6	-1.0	0.0
7	D	1.2	1.2	5.5	-5.4	-2.9	-5.4	-2.9	-3.1	3	-3.9	-2.4	0.0
7	C	1.2	1.0	4.7	-3.6	-3.5	-3.6	-3.5	-3.4	7	-3.2	-2.0	-0.1
7	B	1.2	1.2	5.5	-2.9	-5.4	-2.9	-5.4	-3.1	4	-3.9	-2.4	0.0
7	A	0.7	0.5	2.3	-1.3	-2.2	-1.3	-2.2	0.0	3	-1.6	-1.0	0.0

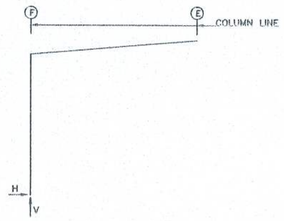
Frm Line	Col Line	Seis_R Vert	E2PAT_LL 1 Horz	E2PAT_LL 1 Vert	E2PAT_LL 2 Horz	E2PAT_LL 2 Vert	E2PAT_LL 3 Horz	E2PAT_LL 3 Vert	E2PAT_LL 4 Horz	E2PAT_LL 4 Vert	E2PAT_5 Horz	E2PAT_5 Vert	LWIND1_L Horz	LWIND1_L Vert
7	E	0.0	0.0	2.1	0.0	-0.2	0.0	0.1	0.0	2.4	0.0	0.3	0.0	-0.7
7	D	0.0	0.0	5.8	0.0	2.3	0.0	-0.3	0.0	2.7	0.0	1.8	0.0	-0.6
7	C	-0.1	0.0	2.3	0.0	5.7	0.0	2.3	0.0	2.3	0.0	1.3	0.0	0.1
7	B	0.0	0.0	-0.3	0.0	2.3	0.0	5.8	0.0	2.8	0.0	1.7	0.0	0.0
7	A	0.0	0.0	0.0	0.0	-0.2	0.0	2.1	0.0	-0.3	0.0	1.4	0.0	0.0

Frm Line	Col Line	LWIND1_R Horz	LWIND1_R Vert	LWIND2_L Horz	LWIND2_L Vert	LWIND2_R Horz	LWIND2_R Vert
7	E	0.0	0.0	0.0	-0.3	0.0	0.0
7	D	0.0	0.0	0.0	-0.3	0.0	0.0
7	C	0.0	0.1	0.0	0.1	0.0	0.1
7	B	0.0	-0.6	0.0	0.0	0.0	-0.2
7	A	0.0	-0.7	0.0	0.0	0.0	-0.3

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. No	Bolt D(in)	Base Wid	Plate (in) Len	Thk	Grout (in)
1	A	9	0.0	-1.8	9	0.0	-1.8	4	0.750	6.000	9.870	0.375	0.0
		1	0.0	3.5									
1	B	9	3.4	-4.7	10	-3.1	-3.1	4	0.750	6.000	9.870	0.375	0.0
		1	0.0	7.9	9	3.4	-4.7						
1	C	11	3.7	-2.8	10	-3.4	-2.5	4	0.750	6.000	9.99	0.375	0.0
		1	0.0	6.9	11	3.7	-2.8						
1	D	11	3.4	-4.7	10	-3.1	-3.1	4	0.750	6.000	9.870	0.375	0.0
		1	0.0	7.9	11	3.4	-4.7						
1	E	11	0.0	-1.8	11	0.0	-1.8	4	0.750	6.000	9.870	0.375	0.0
		1	0.0	3.5									
7	E	9	0.0	-1.8	9	0.0	-1.8	4	0.750	6.000	9.870	0.375	0.0
		1	0.0	3.5									
7	D	9	3.4	-4.7	10	-3.1	-3.1	4	0.750	6.000	9.870	0.375	0.0
		1	0.0	7.9	9	3.4	-4.7						
7	C	9	3.7	-2.8	10	-3.4	-2.5	4	0.750	6.000	9.99	0.375	0.0
		1	0.0	6.9	9	3.7	-2.8						
7	B	11	3.4	-4.7	10	-3.1	-3.1	4	0.750	6.000	9.870	0.375	0.0
		1	0.0	7.9	11	3.4	-4.7						
7	A	11	0.0	-1.8	11	0.0	-1.8	4	0.750	6.000	9.870	0.375	0.0
		1	0.0	3.5									

FRAME LINES: 6



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. No	Bolt D(in)	Base Wid	Plate (in) Len	Thk	Grout (in)
6	F	7	2.3	-4.9	3	-2.7	-1.9	4	0.750	6.000	10.50	0.500	0.0
		1	1.0	8.9	4	2.0	-8.1						

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	=	25.0
Length (ft)	=	50.7
Eave Height (ft)	=	21.4/ 23.5
Roof Slope (rise/12)	=	1.0
Dead Load (psf)	=	2.5
Collateral Load (psf)	=	4.0
Roof Live Load(psf)	=	20.0
Frame Live Load(psf)	=	12.0
Wind Speed (mph)	=	100.0
Wind Code	=	FBC 07 (IBC 06
Exposure	=	B
Closed/Open	=	C
Importance Wind	=	1.00
Importance Seismic	=	1.00
Seismic Design Category	=	B
Seismic Coeff (Fa*Sa)	=	0.20

Id	Description
1	DL+CL+LL
2	DL+CL+0.75LL+0.75WL2
3	0.60DL+WL2
4	0.60DL+LnWnd1+LWIND1_L2E
5	0.60DL+LnWnd1+LWIND1_R2E
6	0.60DL-LnWnd1+LWIND1_L2E
7	0.60DL+LnWnd2+LWIND2_R3E
8	0.60DL+WL2+WS
9	0.60DL+WR2+WS

BRACING REACTIONS, PANEL SHEAR

Wall Loc	Line	Col Line	± Reactions (k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel Shear (lb/ft)
L_EW	B						84
F_SW	E	(a)					
R_EW	5						247
B_SW	F	5 ,6	1.8	1.3	0.2	0.1	

(a)Bracing loads must be applied to supporting building

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
6	F	0.2	1.7	0.2	1.8	0.6	5.4	-1.6	-5.8	1.5	-4.3	-2.8	-2.9

Frame Line	Column Line	Wind_R2 Horiz	Wind_R2 Vert	Wind_Ln1 Horiz	Wind_Ln1 Vert	Wind_Ln2 Horiz	Wind_Ln2 Vert	SeisLn Horiz	SeisLn Vert	LWIND1_L2E Horiz	LWIND1_L2E Vert	LWIND1_R2E Horiz	LWIND1_R2E Vert
6	F	0.3	-1.4	1.9	-8.1	2.2	-5.8	0.0	-0.3	0.0	-1.0	0.0	-0.2

Frame Line	Column Line	LWIND2_L3E Horiz	LWIND2_L3E Vert	LWIND2_R3E Horiz	LWIND2_R3E Vert
6	F	0.0	-0.4	0.0	-0.1

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Rafter Wind_L Vert	Rafter Wind_R Vert	Brace Wind_L Vert	Brace Wind_R Vert	Wind_Ln1 Vert	Wind_Ln2 Vert	Seis_L Vert	Seis_R Vert
7	F	0.8	0.7	3.0	-2.6	-1.6	-2.6	-1.6	-2.2	-1.4	0.0	0.0

Frm Line	Col Line	LWIND1_L Horz	LWIND1_L Vert	LWIND1_R Horz	LWIND1_R Vert	LWIND2_L Horz	LWIND2_L Vert	LWIND2_R Horz	LWIND2_R Vert
7	F	0.0	-0.4	0.0	-0.1	0.0	-0.2	0.0	0.0

Frm Line	Col Line	Dead Vert	Collat Vert	Live Vert	Rafter Wind_L Vert	Rafter Wind_R Vert	Brace Wind_L Vert	Brace Wind_R Vert	Wind_Ln1 Vert	Wind_Ln2 Vert	Seis_L Vert	Seis_R Vert
5	F	1.0	1.0	4.2	-2.4	-4.0	-2.4	-4.0	-3.2	-2.0	0.0	0.0
5	F	1.0	1.0	4.5	-2.5	-4.2	-2.5	-4.2	-3.3	-2.1	0.0	0.0

Frm Line	Col Line	LWIND1_L Horz	LWIND1_L Vert	LWIND1_R Horz	LWIND1_R Vert	LWIND2_L Horz	LWIND2_L Vert	LWIND2_R Horz	LWIND2_R Vert
5	F	0.0	-0.6	0.0	-0.1	0.0	-0.3	0.0	0.0
5	F	0.0	-0.1	0.0	-0.6	0.0	0.0	0.0	-0.3

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. No	Bolt D(in)	Base Wid	Plate (in) Len	Thk	Grout (in)
7	F	8	0.0	-2.1	8	0.0	-2.1	4	0.750	6.000	7.890	0.375	0.0
		1	0.0	4.4									
5	E	9	0.0	-3.4	9	0.0	-3.4	4	0.750	6.000	7.890	0.375	0.0
		1	0.0	6.2									
5	F	9	0.0	-3.6	9	0.0	-3.6	4	0.750	6.000	7.890	0.375	0.0
		1	0.0	6.5									

ANCHOR BOLT SUMMARY

Qnt	Qnt	Loc	Dia (in)	Type	Total Len (in)	Bend Len (in)	Proj (in)
O 8							
⊠ 12	1	DJ	1/2"	A307	12.0	3.00	1.50
⊠ 4	2	EW	3/4"	A307	15.0	3.00	2.50
		RF	3/4"	A307	24.0	3.00	2.50

GREGORY S. BARFIELD, P.E
2149 NELL PURVIS ROAD
ADEL, GA 31620
P E # 54419

DESIGN CRITERIA

BUILDING CODE:	FBC 07	
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	4	PSF
SNOW LOAD:	0	PSF
WIND LOAD: (3 SECOND GUST)	100	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
SEISMIC USE GROUP	I	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER

6-23-10

ELITE STRUCTURES
A DIVISION OF ELITE CONTRACTING INC.
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S.	DATE: 6-4-10
DRAWN BY: T GIBBS	
BUILDING SIZE: VARIES	

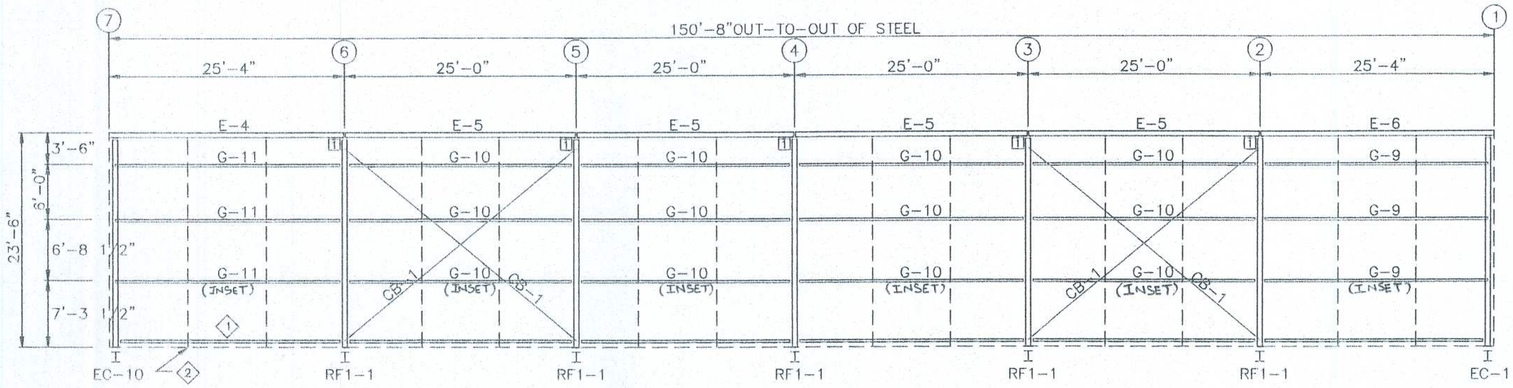
REVISION	
DATE:	DESCRIPTION

TITLE/LOCATION: J.L. DUPREE LAKE CITY FL

PLAN: COLUMN REACTIONS

JOB # 7629-CR

SHEET 2 OF 10

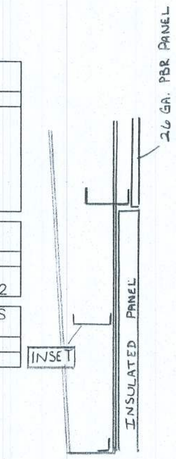


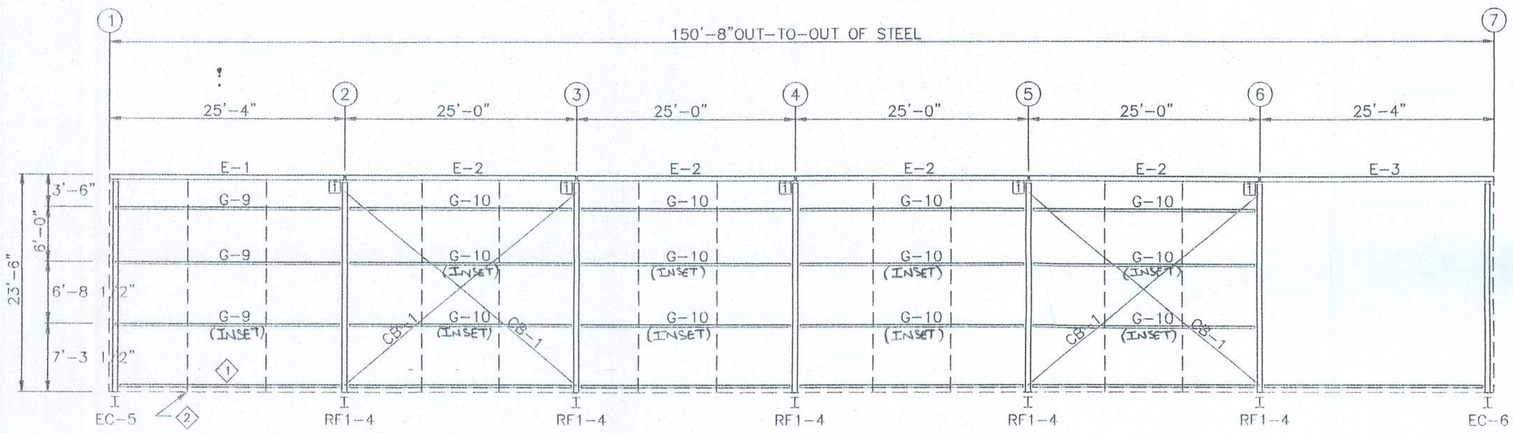
SIDEWLL FRAMING: FRAME LINE A

MEMBER TABLE FRAME LINE A			
QUAN	MARK	PART	LENGTH
1	E-4	10E214L1	25'-3 1/2"
4	E-5	10E214L1	24'-11 1/2"
1	E-6	10E214L1	25'-3 1/2"
3	G-9	12X35C14	25'-0 1/2"
12	G-10	12X25C14	24'-5 1/2"
3	G-11	12X35C14	25'-0 1/2"
4	CB-1	5/16_CBL	33'-9"

ANGLE TABLE FRAME LINE A			
◇ID	MARK	LENGTH	DETAIL
1	L2x4	20'-0"	
2	BANDNG	300'-0"	ANGLE_2

CONNECTION PLATES FRAME LINE A	
□ID	MARK/PART
1	k1





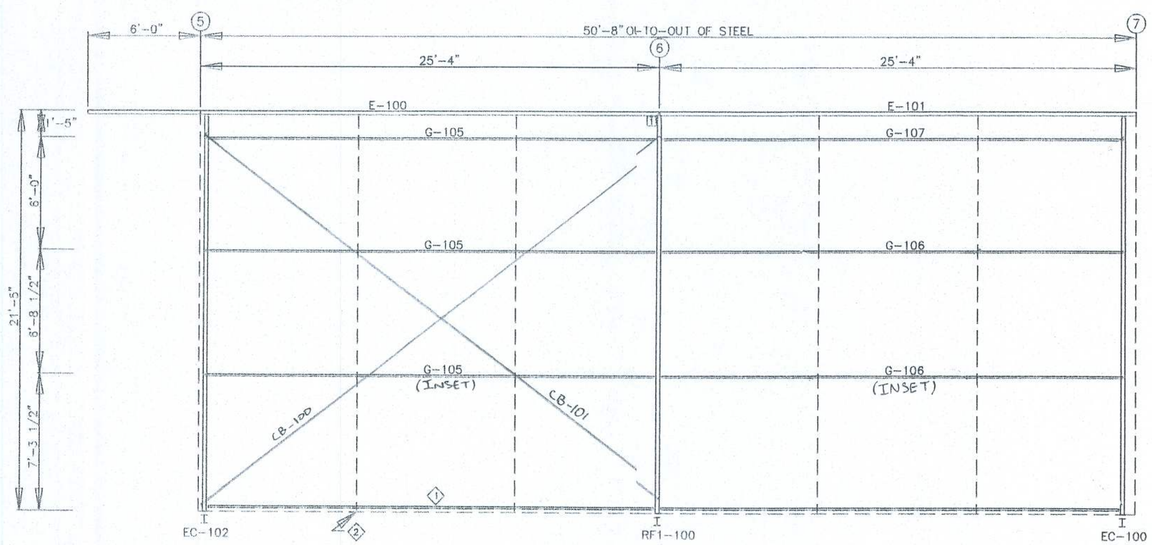
SIDEWLL FRAMING: FRAME LINE E

MEMBER TABLE FRAME LINE E			
QUAN	MARK	PART	LENGTH
1	E-1	10E214L1	25'-3 1/2"
4	E-2	10E214L1	24'-11 1/2"
1	E-3	10E214L1	25'-3 1/2"
3	G-9	12X35C14	25'-0 1/2"
12	G-10	12X25C14	24'-5 1/2"
3	G-11	12X35C14	25'-0 1/2"
4	CB-1	5/16_CBL	33'-9"

ANGLE TABLE FRAME LINE E			
◇ID	MARK	LENGTH	DETAIL
1	L2x4	20'-0"	
2	BANDNG	300'-0"	ANGLE_2

CONNECTION PLATES FRAME LINE E	
□ID	MARK/PART
1	k1

NOTE: ATTACH ANGLE TO GIRTS WHERE NEEDED TO ATTACH INSULATED PANEL

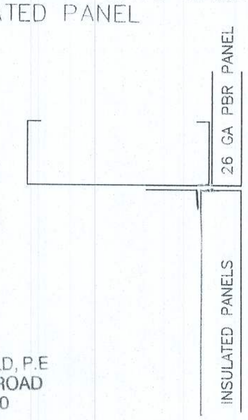


SIDEWALL FRAMIG: FRAME LINE F

MEMBER TABLE FRAME LINE F			
QUAN	MARK	PART	LENGTH
1	E-100	10E214L1	31'-3 1/2"
1	E-101	10E214L1	25'-3 1/2"
3	G-105	10X35C14	25'-0 1/2"
2	G-106	10X35C14	25'-0 1/2"
1	G-107	10X35C14	25'-0 1/2"
1	CB-100	1/4_CBL	32'-8"
1	CB-101	1/4_CBL	32'-2"

ANGLE TABLE FRAME LINE F			
◇ID	MARK	LENGTH	DETAIL
1	L2x4	20'-0"	
2	BANDNG	300'-0"	ANGLE_2

CONNECTION PLATES FRAME LINE F	
□ID	MARK/PART
1	k100



GREGORY S. BARFIELD, P.E
2149 NELL PURVIS ROAD
ADEL, GA 31620
P E # 54419

DESIGN CRITERIA		
BUILDING CODE:	FBC 07	
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	4	PSF
SNOW LOAD:	0	PSF
WIND LOAD: (3 SECOND GUST)	100	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
SEISMIC USE GROUP	I	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER
6-23-10

ELITE STRUCTURES
A DIVISION OF ELITE CONTRACTING INC.
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL, GA 31620

SCALE: N.T.S.	DATE: 6-10
DRAWN BY: T. GIBBS	
BUILDING SIZE: VARIES	

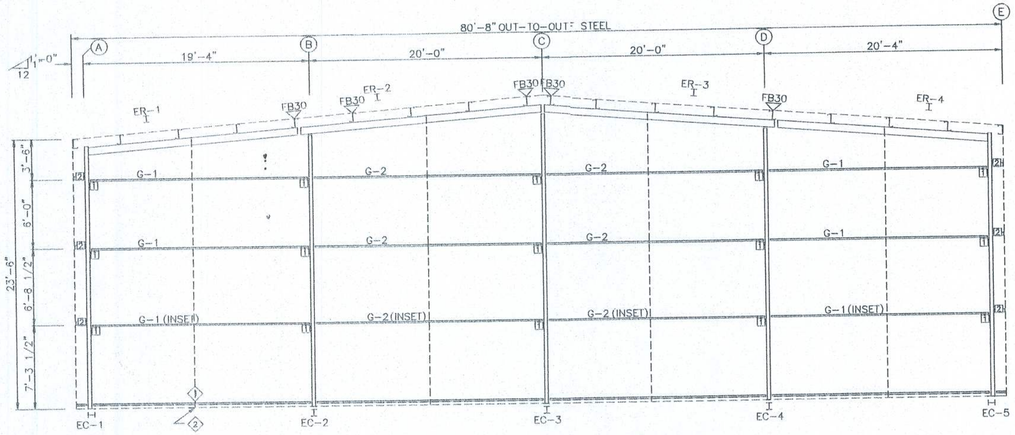
REVISION	
DATE	DESCRIPTION

TITLE/LOCATION: J.L. DUPREE, LAKE CITY FL

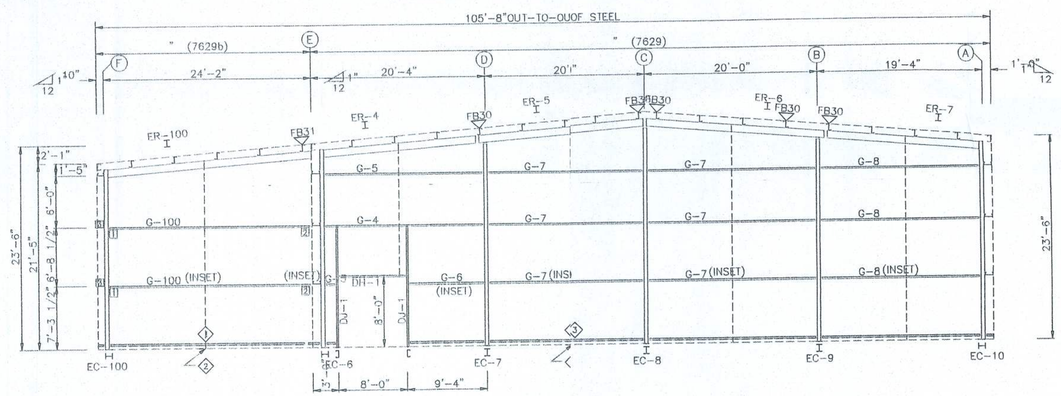
PLAN: SIDEWALL FRAMING

JOB # 7629-SF

SHEET 3 OF 10



ENDWALL FRAMING: FAME LINE 1



ENDWALL FRAMING: FAME LINE 7

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
Cor_Column/Rof	4	A325	3/4"	3"
ER-1/ER-2	4	A325	3/4"	3"
ER-2/ER-3	4	A325	3/4"	3"
ER-3/ER-4	4	A325	3/4"	3"
Int_Column/Rof	4	A325	1/2"	1 1/2"

ANGLE TABLE
FRAME LINE 1

ID	MARK	LENGTH	DETAIL
1	L2x4	20'-0	
2	BANDNG	300'-0"	ANGLE_2

MEMBER TABLE
FRAME LINE 1

MARK	PART	LENGTH
EC-1	W10X12	22'-9 13/16"
EC-2	W10X12	23'-8 9/16"
EC-3	W10X15	25'-3 7/8"
EC-4	W10X12	23'-8 3/16"
EC-5	W10X12	22'-9 3/4"
ER-1	W8X10	17'-8 3/8"
ER-2	W8X10	21'-0"
ER-3	W8X10	21'-0"
ER-4	W8X10	17'-8 5/16"
G-1	BX35C14	18'-3 5/8"
G-2	BX35C14	19'-7 1/2"

FLANGE BRACE TABLE
FRAME LINE 1

ID	MARK	LENGTH
1	FB30	2'-6 5/8"

CONNECTION PLATES
FRAME LINE 1

ID	MARK/PART
1	t1
2	r1

BOLT TABLE
FRAME LINE 8

LOCATION	QUAN	TYPE	DIA	LENGTH
7629				
Cor_Column/Rof	4	A325	3/4"	3"
ER-4/ER-5	4	A325	3/4"	3"
ER-5/ER-6	4	A325	3/4"	3"
ER-6/ER-7	4	A325	3/4"	3"
Int_Column/Rof	4	A325	1/2"	1 1/2"
7629b				
EC-100/ER-100	4	A325	3/4"	3"
-------/ER-100	2	A325	1/2"	1 1/2"

ANGLE TABLE
FRAME LINE 8

ID	MARK	LENGTH	DETAIL
1	L2x4	20'-0	
2	BANDNG	300'-0"	ANGLE_2
3	L2x4	SCRAP	

MEMBER TABLE
FRAME LINE 8

MARK	PART	LENGTH
7629		
EC-6	W10X12	22'-9 3/4"
EC-7	W10X12	23'-8 3/16"
EC-8	W10X15	25'-3 7/8"
EC-9	W10X12	23'-8 9/16"
EC-10	W10X12	22'-9 13/16"
ER-4	W8X10	17'-8 5/16"
ER-5	W8X10	21'-0"
ER-6	W8X10	21'-0"
ER-7	W8X10	17'-8 3/8"
DJ-1	12X25C14	14'-0"
DH-1	12X25C14	7'-11 1/2"
G-3	12X35C14	11 1/8"
G-4	12X35C14	18'-3 5/8"
G-5	12X35C14	18'-3 5/8"
G-6	12X35C14	8'-11"
G-7	12X25C14	19'-7 1/2"
G-8	12X25C14	18'-3 5/8"
7629b		
EC-100	W8X10	20'-8 7/16"
ER-100	W10X12	23'-7 15/16"
G-100	8X35C12	23'-1 5/8"

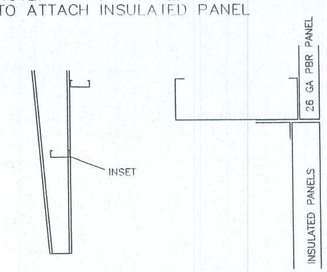
FLANGE BRACE TABLE
FRAME LINE 8

ID	MARK	LENGTH
1	FB30	2'-6
2	FB31	2'-7"

CONNECTION PLATES
FRAME LINE 8

ID	MARK/PART
1	t100
2	t101
3	r100

NOTE: ATTACH ANGLE TO GIRTS WHERE NEEDED TO ATTACH INSULATED PANEL



BOLT TABLE
FRAME LINE 5

LOCATION	QUAN	TYPE	DIA	LENGTH
Cor_Column/Rof	4	A325	3/4"	3"

ANGLE TABLE
FRAME LINE 5

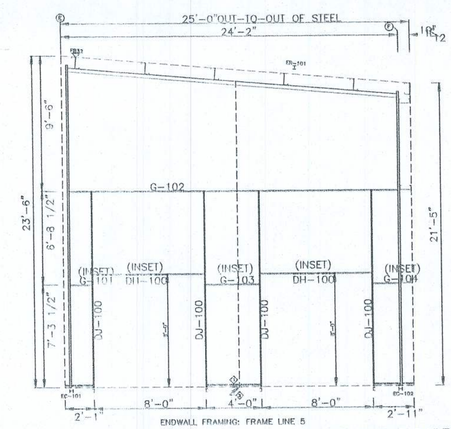
ID	MARK	LENGTH	DETAIL
1	L2x4	SCRAP	
2	BANDNG	300'-0"	ANGLE_2

MEMBER TABLE
FRAME LINE 5

MARK	PART	LENGTH
EC-101	W8X10	23'-6"
EC-102	W8X10	20'-8 7/16"
ER-101	W12X16	23'-0 3/16"
DJ-100	10X35C14	14'-0"
DH-100	10X35C14	7'-11 1/2"
G-101	10X25C12	9 1/8"
G-102	10X25C12	22'-5 3/4"
G-103	10X25C12	3'-4 1/2"
G-104	10X25C12	1'-1 1/8"

FLANGE BRACE TABLE
FRAME LINE 5

ID	MARK	LENGTH
1	FB32	2'-8



ENDWALL FRAMING: FRAME LINE 5

GREGORY S. BARFIELD, P.E
2149 NELL PURVIS ROAD
ADEL, GA 31620
P.E # 54419

DESIGN CRITERIA

BUILDING CODE:	FBC 07	
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	4	PSF
SNOW LOAD:	0	PSF
WIND LOAD: (3 SECOND GUST)	100	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
SEISMIC USE GROUP	I	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER

6-23-10

ELITE STRUCTURES
A DIVISION OF ELITE CONTRACTING INC.
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL, GA 31620

SCALE: N.T.S.	DATE: 6-4-10
DRAWN BY: T IBS	
BUILDING SIZE: VAES	

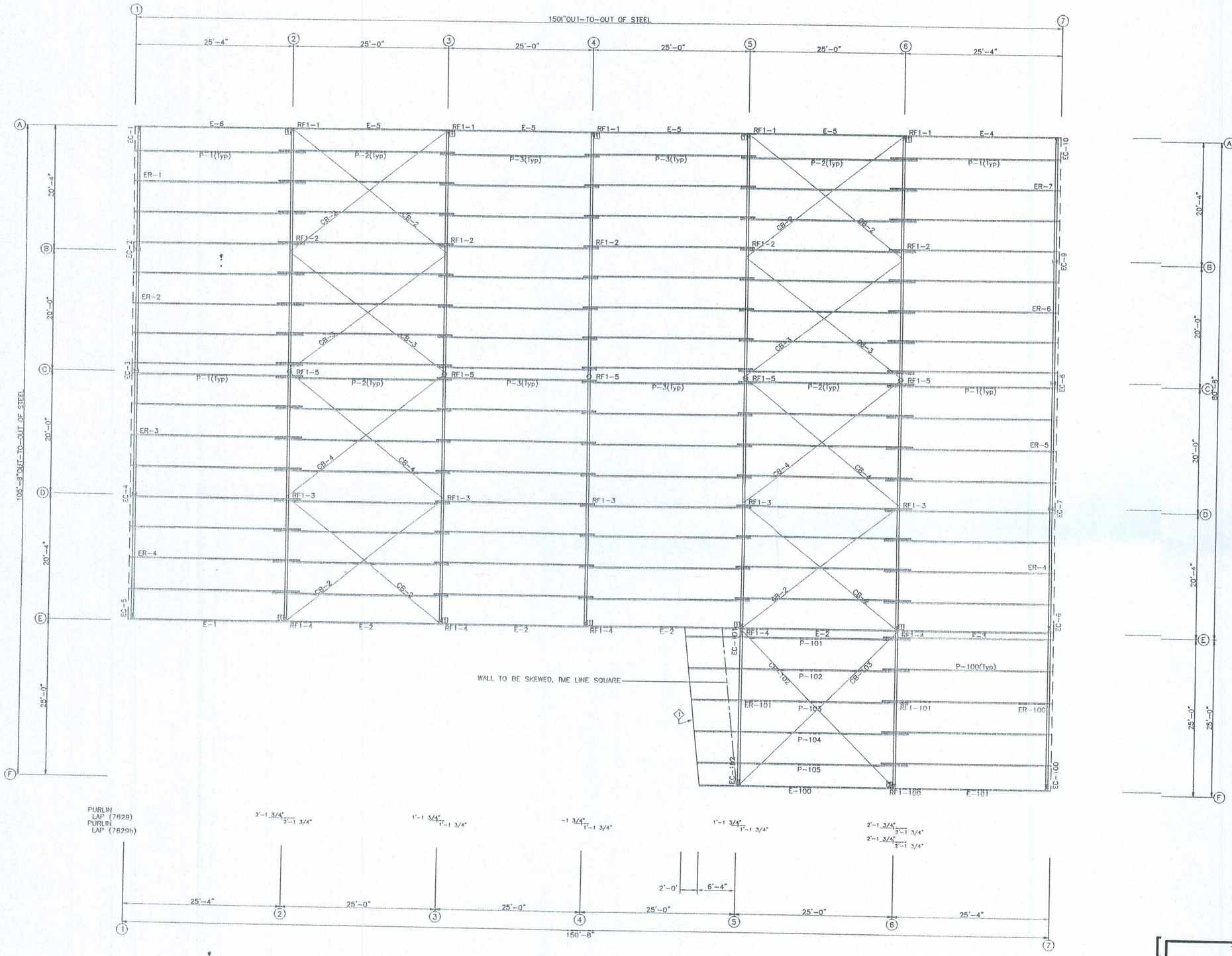
REVISION	
DATE:	DESCRIPTION

TITLE/LOCATION: J.L. DUPREE, LAKE CITY FL

PLAN: ENDWALL FRAMING

JOB # 7629-EF

SHEET 4 OF 10



ROOF FRAMING PLAN

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
7629		
P-1	10X25Z14	27'-5 1/2"
P-2	10X25Z14	28'-3 1/2"
P-3	10X25Z14	27'-3 1/2"
E-1	10E214L1	25'-3 1/2"
E-2	10E214L1	24'-11 1/2"
E-3	10E214L1	25'-3 1/2"
E-4	10E214L1	25'-3 1/2"
E-5	10E214L1	24'-11 1/2"
E-6	10E214L1	25'-3 1/2"
CB-2	1/4_CBL	32'-3"
CB-3	1/4_CBL	32'-1"
CB-4	1/4_CBL	32'-6"
7629b		
P-100	10X25Z14	27'-5 1/2"
P-101	10X25Z14	33'-5 1/2"
E-100	10E214L1	31'-3 1/2"
E-101	10E214L1	25'-3 1/2"
CB-102	1/4_CBL	34'-1"
CB-103	1/4_CBL	33'-11"

ANGLE TABLE ROOF PLAN		
◇ID	MARK	LENGTH
1	10X2CH	20'-0"

CONNECTION PLATES ROOF PLAN	
□ID	MARK/PART
1	k1
2	k100

GREGORY S. BARFIELD, P.E
2149 NELL PURVIS ROAD
ADEL, GA 31620
P E # 54419

DESIGN CRITERIA		
BUILDING CODE:	FBC 07	
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	4	PSF
SNOW LOAD:	0	PSF
WIND LOAD: (3 SECOND GUST)	100	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
SEISMIC USE GROUP	I	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD
LICENSE
No 54419
STATE OF FLORIDA
PROFESSIONAL ENGINEER
6-23-10

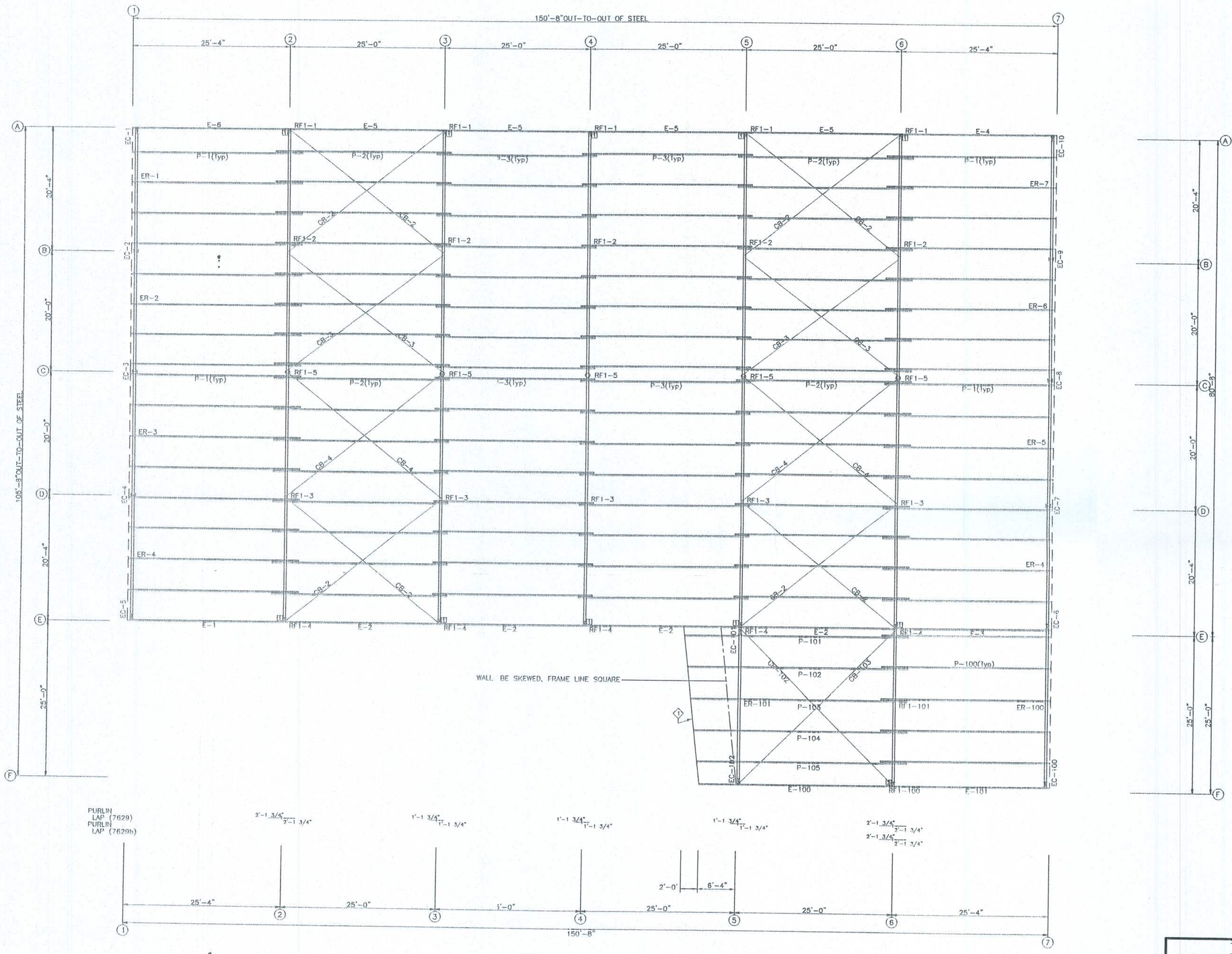
ELITE STRUCTURES
DIVISION OF ELITE CONTRACTING INC.
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S.	DATE: 6-4-10	REVISION	TITLE/LOCATION
DRAWN BY: T GIBBS		DAT / DESCRIPTION	J.L. DUPREE LAKE CITY FL
BUILDING SIZE: VARIES			

PLAN: ROOF FRAMING

JOB # 7629-RF

SHEET 5 OF 10



ROOF FRAMING PLAN

MEMBER TABLE ROOF PLAN		
MARK	PART	LENGTH
7629		
P-1	10X25Z14	27'-5 1/2"
P-2	10X25Z14	28'-3 1/2"
P-3	10X25Z14	27'-3 1/2"
E-1	10E214L1	25'-3 1/2"
E-2	10E214L1	24'-11 1/2"
E-3	10E214L1	25'-3 1/2"
E-4	10E214L1	25'-3 1/2"
E-5	10E214L1	24'-11 1/2"
E-6	10E214L1	25'-3 1/2"
CB-2	1/4_CBL	32'-3"
CB-3	1/4_CBL	32'-1"
CB-4	1/4_CBL	32'-6"
7629b		
P-100	10X25Z14	27'-5 1/2"
P-101	10X25Z14	33'-5 1/2"
E-100	10E214L1	31'-3 1/2"
E-101	10E214L1	25'-3 1/2"
CB-102	1/4_CBL	34'-1"
CB-103	1/4_CBL	33'-11"

ANGLE TABLE ROOF PLAN		
◇ID	MARK	LENGTH
1	10X2CH	20'-0"

CONNECTION PLATES ROOF PLAN	
□ ID	MARK/PART
1	k1
2	k100

GREGORY S. BARFIELD, P.E
2149 NELL PURVIS ROAD
ADEL, GA 31620
P E # 54419

DESIGN CRITERIA		
BUILDING CODE:	FBC 07	
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	4	PSF
SNOW LOAD:	0	PSF
WIND LOAD: (3 SECOND GUST)	100	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
SEISMIC USE GROUP	I	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER
6-23-10

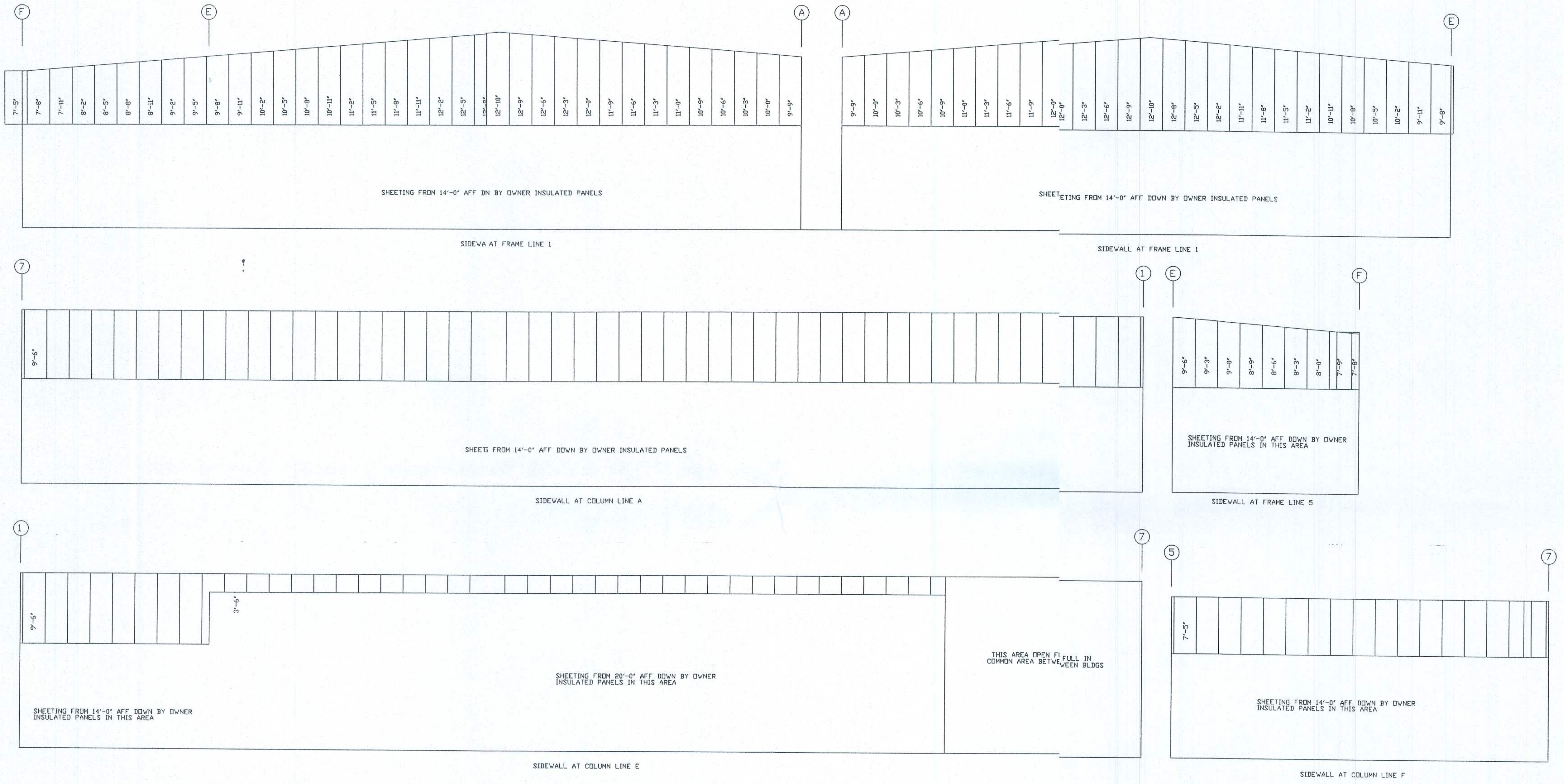
ELITE STRUCTURES
A DIVISION OF ELITE CONTRACTING INC.
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S.	DATE: 6-40	REVISION	TITLE/LOCATION
DRAWN BY: T GIBBS		DATE: / DESCRIPTION	J.L. DUPREE LAKE CITY FL
BUILDING SIZE: VARIES			

PLAN: ROOF FRAMING

JOB # 7629-RF

SHEET 5 OF 10



PANEL: 26 GA PBR
NEED COLOR

GREGORY S. BARFIELD, P.E
2149 NELL PURVIS ROAD
ADEL, GA 31620
P E # 54419

DESIGN CRITERIA

BUILDING CODE:	FBC 07
LIVE LOAD TO FRAMES:	12 PSF
LIVE LOAD TO PURLINS:	20 PSF
COLLATERAL LOAD:	4 PSF
SNOW LOAD:	0 PSF
WIND LOAD: (3 SECOND GUST)	100 MPH
WIND IMPORTANCE FACTOR:	1
WIND EXPOSURE:	B
BUILDING OCCUPANCY CATEGORY	II
SEISMIC USE GROUP	I
ENCLOSURE CLASSIFICATION	ENCLOSED

GREGORY S. BARFIELD
LICENSE
No 54419
STATE OF FLORIDA
PROFESSIONAL ENGINEER

6-23-10

ELITE STRUCTURES
A DIVISION OF ELITE CONTRACTING INC.

PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S.
DAT 6-4-10
DRAWN BY: T GIBB
BUILDING SIZE: VARIE

REVISION

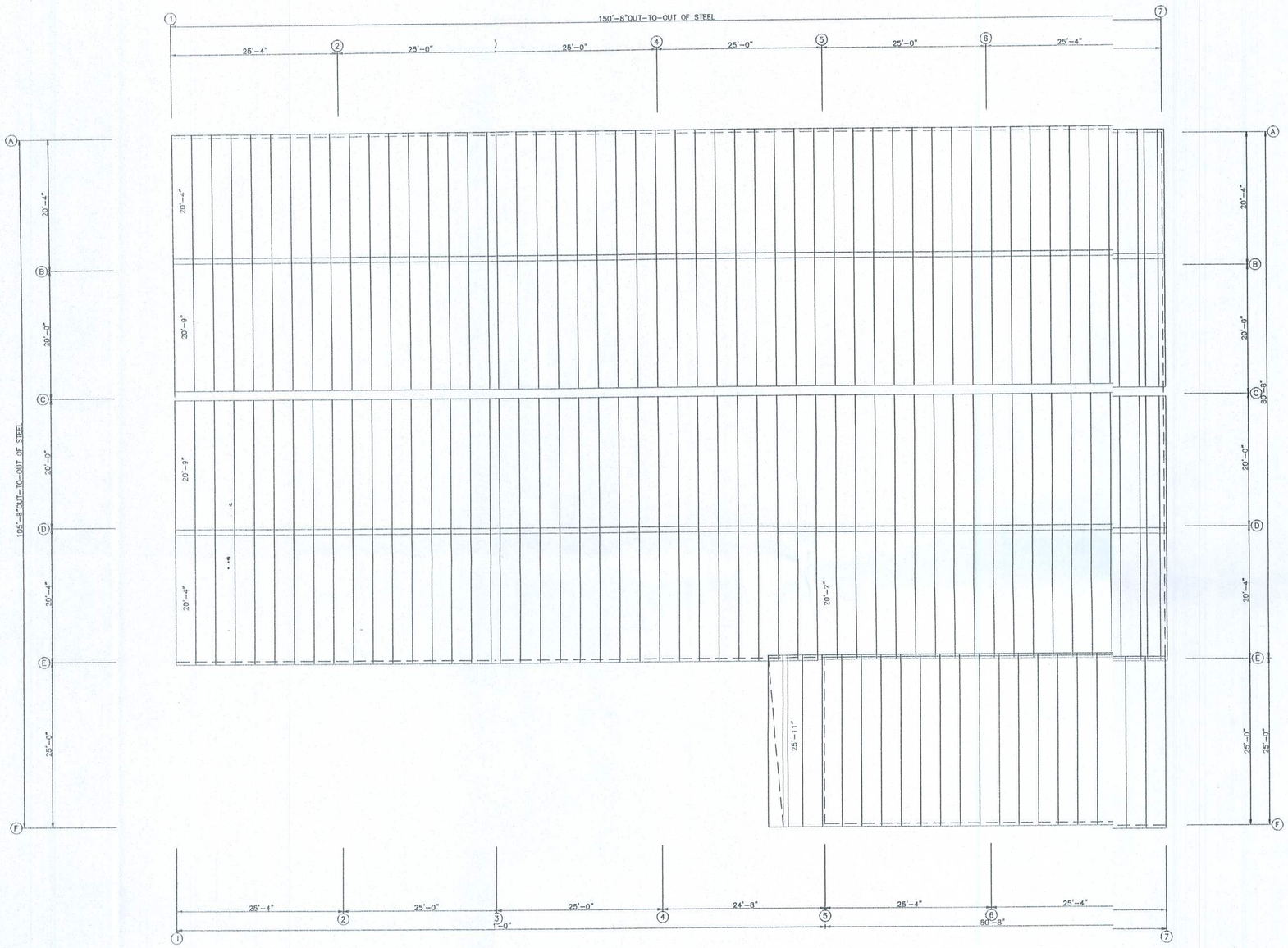
DATE:	DESCRIPTION

TITLE/LOCATION
J.L. DUPREE
LAKE CITY FL

PLAN:
WALL SHEETING

JOB # 7629-WS

SHEET 6 OF 10



ROOF SHEETING PLAN
PANELS: 26 Ga. PB – Polar White

GREGORY S. BARFIELD, P.E
2149 NELL PURVIS ROAD
ADEL, GA 31620
P E # 54419

DESIGN CRITERIA

BUILDING CODE:	FBC 07	
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	4	PSF
SNOW LOAD:	0	PSF
WIND LOAD: (3 SECOND GUST)	100	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
SEISMIC USE GROUP	I	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER

6-23-10

ELITE STRUCTURES
A DIVISION OF ELITE CONTRACTING INC.
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S. DATE 6-4-10
DRAWN BY: T GIBBS
BUILDING SIZE: VARIES

REVISION	
DATE:	DESCRIPTION

TITLE/LOCATION
J.L. DUPREE
LAKE CITY FL

PLAN:
ROOF SHEETING

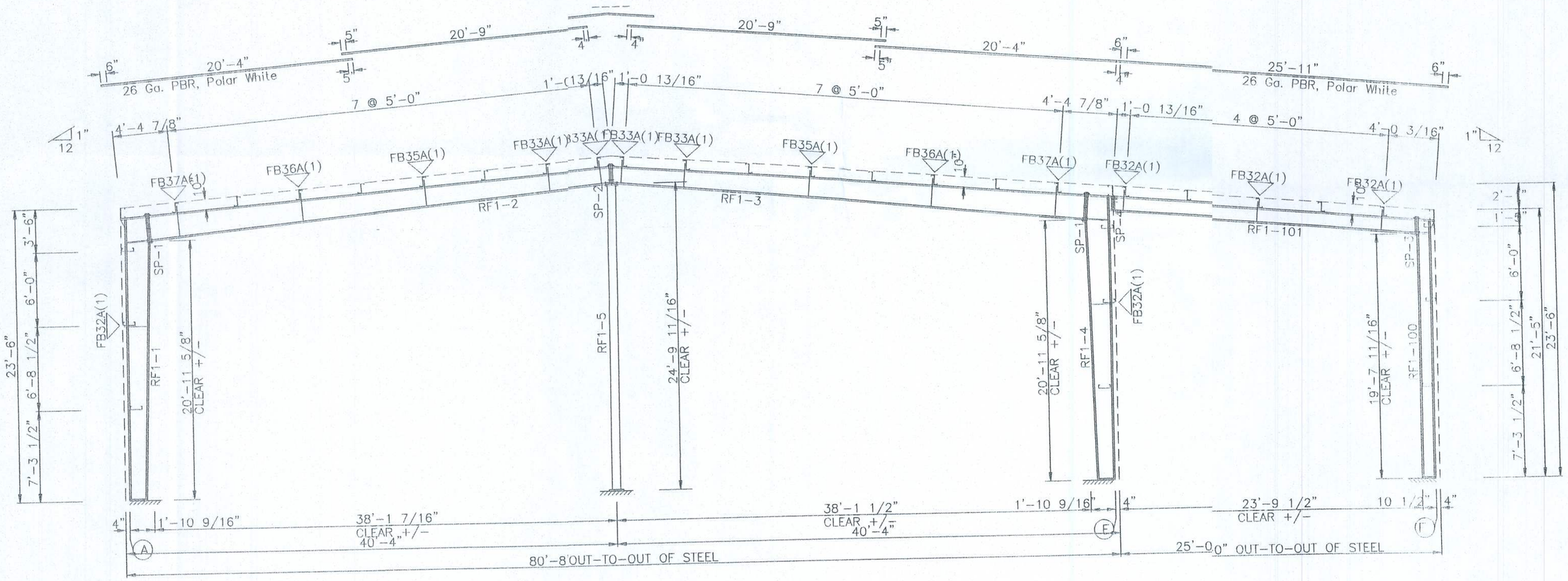
JOB # 7629-RS

SHEET 7 OF 10

SPLICE BOLTS							CAP PLATE BOLTS				
Splice Mark	Quan Top/	Bot/	Int	Bolt Type	Dia	Length	Col Mark	Qnt	Type	Dia	Length
SP-1	4	4	2	A325	0.750	3.00	RF1-5	4	A325	0.750	3.00
SP-2	4	2	0	A325	0.750	3.00					
SP-3	4	4	0	A325	0.750	3.00					
SP-4	4	0	0	A325	0.750	3.00					

▽FLANGE BRACES: Both Sides(U.N.)
FBxxA(1): xx=length(in)
A -- L2X2X14G

MEMBER SIZE TABLE (in)					
MARK	WEB DEPTH START/END	WEB PLATE THICK	WEB PLATE LENGTH	OUTSIDE FLANGE W x T x LENGTH	INSIDE FLANGE W x T x LENGTH
RF1-1	14.0/14.4	0.134	12.2.0	6 x 1/4" x 240.0	6 x 1/4" x 235.7
	14.4/18.2	0.134	116.6.6	6 x 1/4" x 31.5	6 x 1/4" x 12.0
	18.2/22.0	0.134	119.9.0	6 x 1/4" x 24.2	
	22.0/19.9	0.188	25.5.7		
RF1-2	22.0/19.8	0.134	119.9.0	6 x 1/4" x 240.0	6 x 1/4" x 240.0
	19.8/18.0	0.134	101.1.2	6 x 1/4" x 220.2	6 x 1/4" x 219.1
	18.0/16.0	0.134	119.9.0		
	16.0/14.2	0.134	109.9.0		
	14.2/14.0	0.134	12.2.0		
RF1-3	14.0/14.2	0.134	12.2.0	6 x 1/4" x 220.2	6 x 1/4" x 238.8
	14.2/16.0	0.134	109.9.0	6 x 1/4" x 240.0	6 x 1/4" x 220.2
	16.0/18.0	0.134	119.9.0		
	18.0/19.8	0.134	101.1.2		
	19.8/22.0	0.134	119.9.0		
RF1-4	19.9/22.0	0.188	25.5.7	6 x 1/4" x 23.8	6 x 1/4" x 12.0
	22.0/18.2	0.134	119.9.0	6 x 1/4" x 31.5	6 x 1/4" x 235.7
	18.2/14.4	0.134	116.6.6	6 x 1/4" x 240.0	
	14.4/14.0	0.134	12.2.0		
RF1-5	P5X15				
RF1-100	10.0/10.0	0.134	12.2.0	6 x 1/4" x 234.5	6 x 1/4" x 231.6
	10.0/10.0	0.134	116.6.4	6 x 1/4" x 12.0	
	10.0/10.0	0.134	119.9.0	6 x 1/4" x 14.3	
RF1-101	12.0/12.0	0.134	119.9.0	6 x 1/4" x 240.0	6 x 1/4" x 240.0
	12.0/12.0	0.134	119.9.0	6 x 1/4" x 45.6	6 x 1/4" x 45.6
	12.0/12.0	0.134	48.8.6		



RGID FRAME ELEVATION: FRAME LINE 6

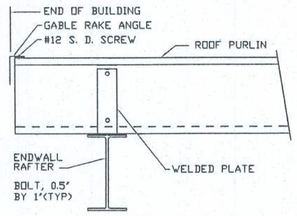
GREGORY S. BARFIELD, P.E
2149 NELL PURVIS ROAD
ADEL, GA 31620
P E # 54419

DESIGN CRITERIA		
BUILDING CODE:	FBC 07	
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	4	PSF
SNOW LOAD:	0	PSF
WIND LOAD: (3 SECOND GUST)	100	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
SEISMIC USE GROUP	I	
ENCLOSURE CLASSIFICATION	ENCLOSED	

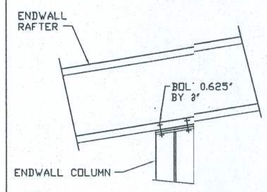
GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER
6-23-10

ELITE STRUCTURES
A DIVISION OF ELITE CONTRACTING INC.
PH 229-896-7569
FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

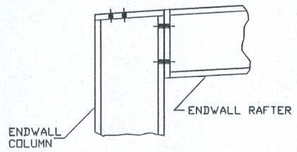
SCALE: N.T.S.	DATE: 6-4--	REVISION	TITLE/LOCATION: J.L. DUPREE LAKE CITY FL
DRAWN BY: T GIBBS		DATE / DESCRIPTION	PLAN: CRROSS SECTION
BUILDING SIZE: VARIES			JOB # 7629-XS
			SHEET 8 OF 10



A7 SECTION THRU ENDWALL RAFTER

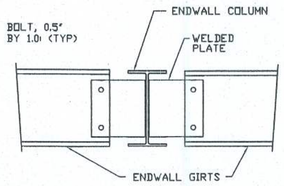


B3 ENDWALL RAFTER TO COLUMN

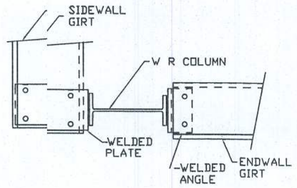


SEE ERECTION DRAWINGS FOR BOLT SIZE.

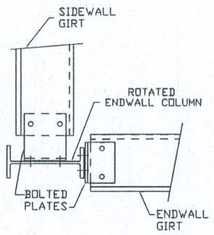
B23 CORNER COLUMN TO ENDWALL RAFTER



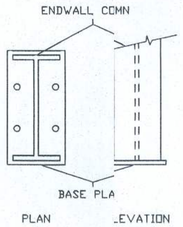
C6 ENDWALL COLUMN TO WALL GIRT



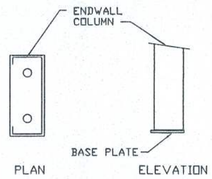
D17 CORNER COLUMN TO WALL GIRT



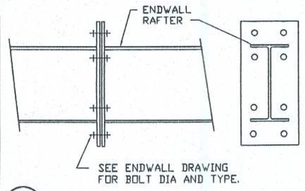
D25 CORNER COLUMN TO WALL GIRT



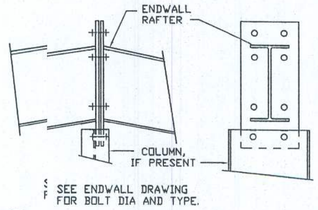
E3 BASE PLATE FOR ENDWALL COLUMN



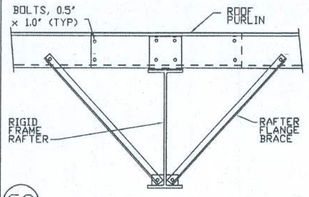
E5 BASE PLATE TO ENDWALL COLUMN OR DOOR JAMB



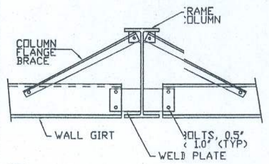
F9 RAFTER SPLICE ALONG SURFACE



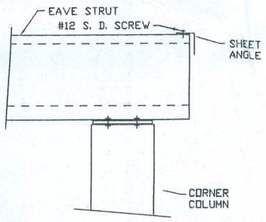
F12 RAFTER SPLICE AT SURFACE CHANGE



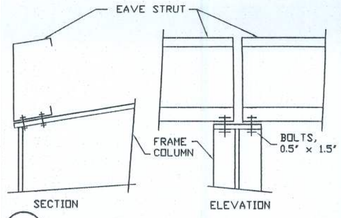
G2 ROOF PURLIN TO INTERIOR FRAME RAFTER



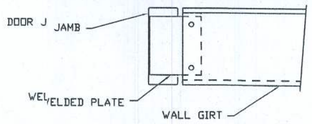
H6 WALL GIRT TO FRA COLUMN



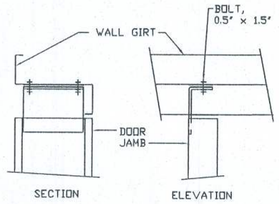
I15 EAVE STRUT TO CORNER COLUMN



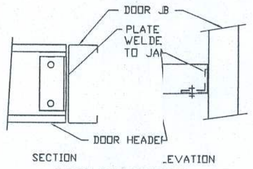
J1 EAVE STRUT TO RIGID FRAME



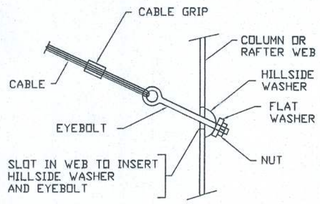
K3 WALL GIRT TO DOOR JAMB



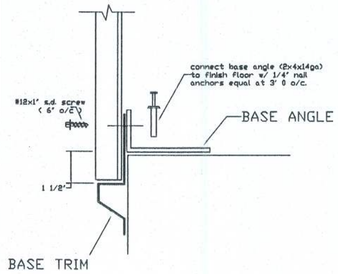
L8 DOOR JAMB TO WALL GIRT



M5 DOOR HEADER TO DOOR JAMB



Q2 DIAGONAL CABLE, EYEBOLT END



BASE ANGLE W/ TRIM

GREGORY S. BARFIELD, P.E
2149 NELL PURVIS ROAD
ADEL, GA 31620
P E # 54419

DESIGN CRITERIA

BUILDING CODE:	FBC 07	
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	4	PSF
SNOW LOAD:	0	PSF
WIND LOAD: (3 SECOND GUST)	100	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
SEISMIC USE GROUP	I	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD LICENSE No 54419 STATE OF FLORIDA PROFESSIONAL ENGINEER

6-23-10

ELITE STRUCTURES
A DIVISION OF ELITE CONTRACTING INC.
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FAX 229-896-7560
P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S. | DATE: 6-4-
DRAWN BY: T GIBBS
BUILDING SIZE: VARIES

REVISION

DATE:	DESCRIPTION

TITLE/LOCATION: J.L. DUPREE LAKE CITY FL

PLAN:

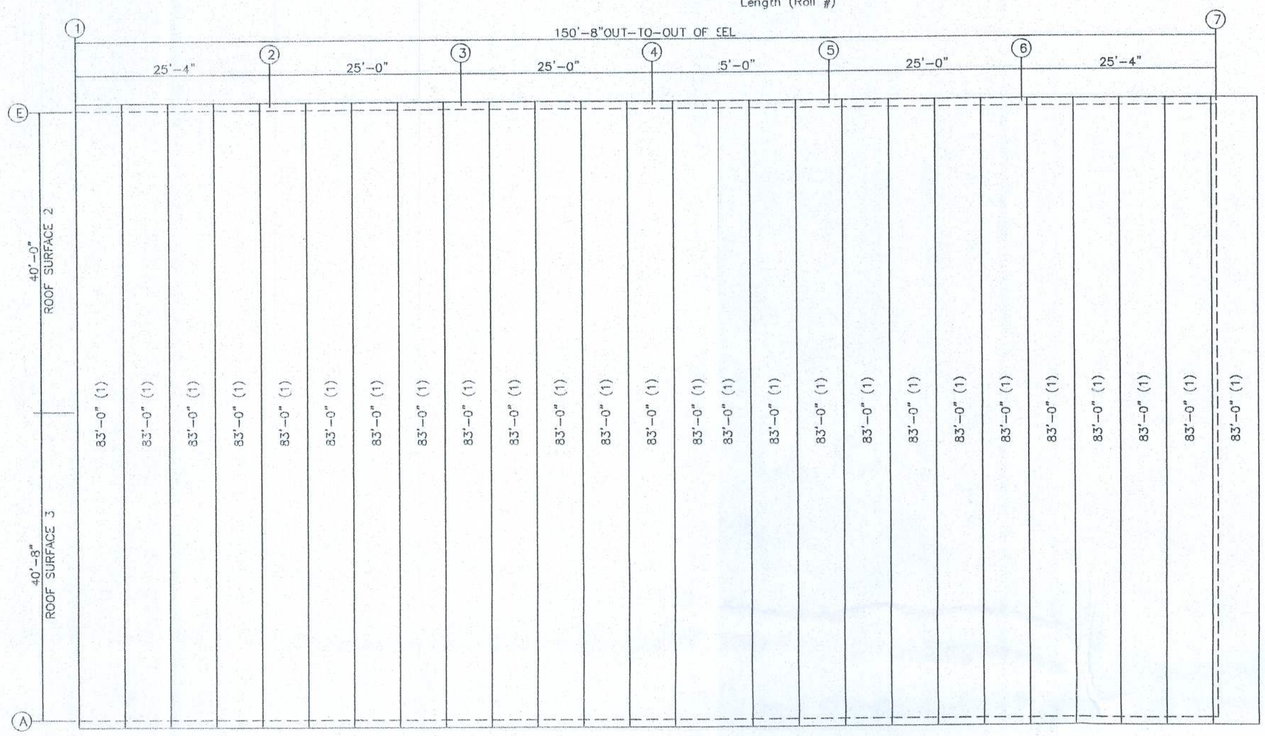
DETAILS

JOB # 7629-DE

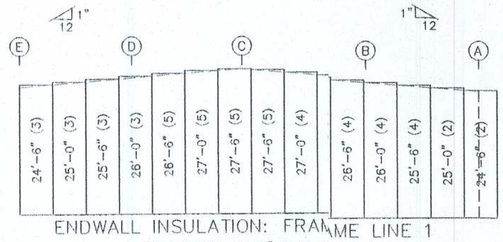
SHEET 9 OF 10

INSULATION TABLE ROOF PLAN				
ROLL	QUAN	MARK	IDTH	LENGTH
1	26	RI-1	'-0"	83'-0"

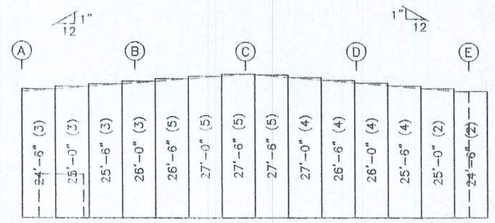
LEGEND:
101'-0" (1)
Length (Roll #)



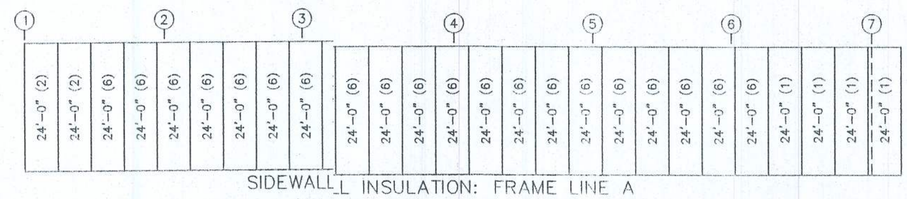
ROOF INSULATION
INSULATION: 3.00" Thick VR W/ 6" BS



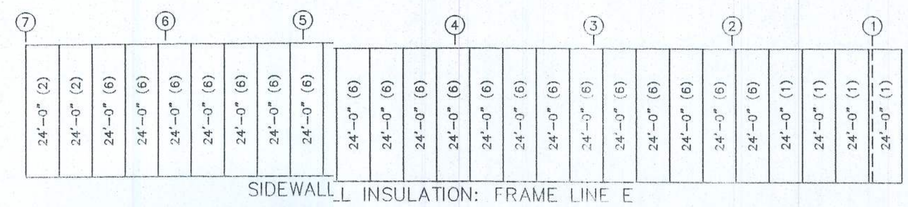
ENDWALL INSULATION: FRAME LINE 1
INSULATION: 3.00" Thick VR W/ 6" TABS



ENDWALL INSULATION: FRAME LINE 7
INSULATION: 3.00" Thick VR W/ 6" TABS



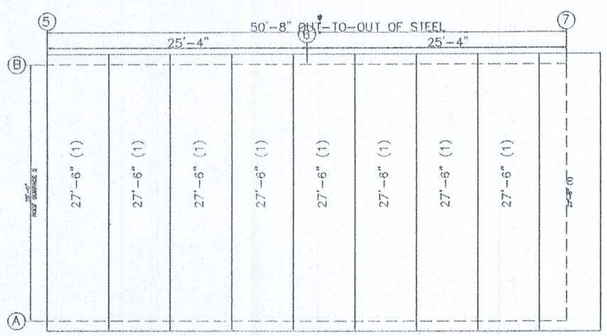
SIDEWALL INSULATION: FRAME LINE A
INSULATION: 3.00" Thick VR W/ 6" TABS



SIDEWALL INSULATION: FRAME LINE E
INSULATION: 3.00" Thick VR W/ 6" TABS

INSULATION TABLE FRAME LINE 1 A 7 E					
ROLL	QUAN	MARK	WID	IDTH	LENGTH
1	2	WI-1	6'	-0"	96'-0"
2	2	WI-2	6'	-0"	97'-6"
3	2	WI-3	6'	-0"	101'-0"
4	2	WI-4	6'	-0"	105'-0"
5	2	WI-5	6'	-0"	108'-6"
6	8	WI-6	6'	-0"	120'-0"

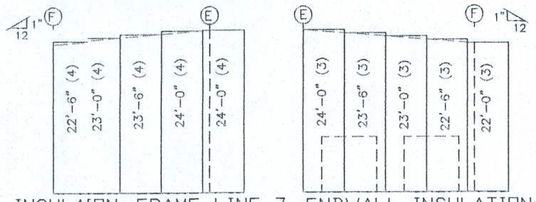
LEGEND:
101'-0" (1)
Length (Roll #)



ROOF INSULATION
INSULATION: 3.00" Thick VR

INSULATION TABLE ROOF PLAN				
ROLL	QUAN	MARK	WIDTH	LENGTH
1	9	RI-1	6'-0"	27'-6"

LEGEND:
117'-0" (1)
Length (Roll #)

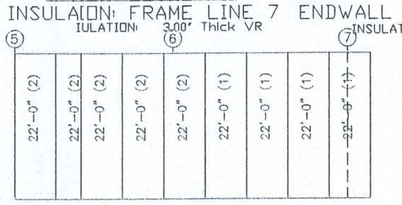


ENDWALL INSULATION: FRAME LINE 7
INSULATION: 3.00" Thick VR

ENDWALL INSULATION: FRAME LINE 5
INSULATION: 3.00" Thick VR

INSULATION TABLE FRAME LINE 1 3 B				
ROLL	QUAN	MARK	WIDTH	LENGTH
1	1	WI-1	6'-0"	88'-0"
2	1	WI-2	6'-0"	110'-0"
3	1	WI-3	6'-0"	115'-0"
4	1	WI-4	6'-0"	117'-0"

LEGEND:
117'-0" (1)
Length (Roll #)



SIDEWALL INSULATION: FRAME LINE F
INSULATION: 3.00" Thick VR

GREGORY S. BARFIELD, P.E
2149 NELL PURVIS ROAD
ADEL, GA 31620
P E # 54419

DESIGN CRITERIA		
BUILDING CODE:	FBC 07	
LIVE LOAD TO FRAMES:	12	PSF
LIVE LOAD TO PURLINS:	20	PSF
COLLATERAL LOAD:	4	PSF
SNOW LOAD:	0	PSF
WIND LOAD: (3 SECOND GUST)	100	MPH
WIND IMPORTANCE FACTOR:	1	
WIND EXPOSURE:	B	
BUILDING OCCUPANCY CATEGORY	II	
SEISMIC USE GROUP	I	
ENCLOSURE CLASSIFICATION	ENCLOSED	

GREGORY S. BARFIELD
LICENSE
No 54419
STATE OF FLORIDA
PROFESSIONAL ENGINEER
6-23-10

ELITE STRUCTURES
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P.O. BOX 207
ADEL , GA 31620

SCALE: N.T.S. DATE: 6-4-10
DRAWN BY: T GIBBS
BUILDING SIZE: VARIES

REVISION	
DATE:	DESCRIPTION

TITLE/LOCATION
J.L. DUPREE
LAKE CITY FL

PLAN: INSULATION

JOB # 7629-IN

SHEET 10 OF 10

NETTLE'S SAUSAGE INC.
COLD STORAGE FACILITY
190 SW CR 240, LAKE CITY
COLUMBIA COUNTY, FLORIDA

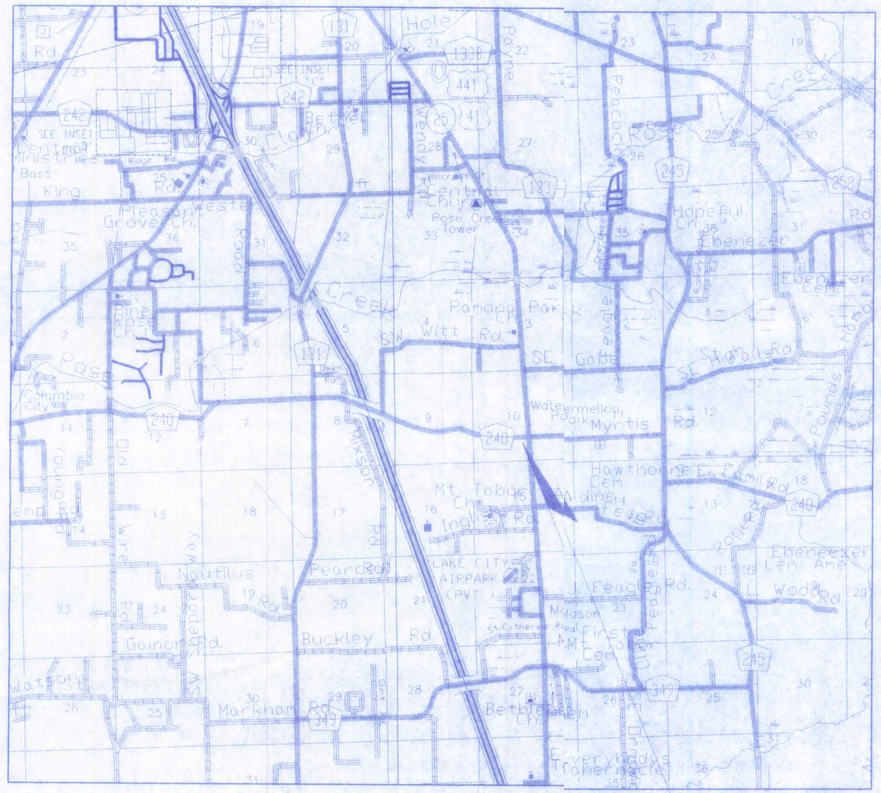
Development Information:

NETTLES SAUSAGE INC
GENERAL OFFICE - NEW CONSTRUCTION
3.65± ACRES
PROJECT LOCATION:
190 SW CR 240, LAKE CITY, FLORIDA
PARCEL IDs: 10-5S-17-09193-000 & 10-5S-17-09179-000
SECTION 10, TOWNSHIP 5 S, RANGE 17 E
ZONING: A-1
EXISTING USE: FOOD PROCESSING
FUTURE LAND USE PLAN MAP CATEGORY: AGRICULTURAL

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

INDEX OF DRAWINGS

SHEET NO	DESCRIPTION
[illegible]	GENERAL NOTES
C-2	EXISTING SITE PLAN
C-3	PROPOSED SITE PLAN
[illegible]	DIMENSION PLAN
[illegible]	EROSION AND SEDIMENT CONTROL
[illegible]	GRADING & DRAINAGE PLAN
[illegible]	POND DETAILS
LS-1	LIFE SAFETY PLAN
A-1	GENERAL NOTES
A-2	FLOOR PLAN
A-3	ELEVATIONS (SHEET 1 OF 2)
A-4	ELEVATIONS (SHEET 2 OF 2)
A-5	TYPICAL SECTIONS (SHEET 1 OF 2)
A-6	TYPICAL SECTIONS (SHEET 2 OF 2)
A-7	WALL SECTIONS (SHEET 1 OF 2)
A-8	WALL SECTIONS (SHEET 2 OF 2)
S-1	STRUCTURAL NOTES
S-2	FOUNDATION PLAN
S-3	FOUNDATION DETAILS (SHEET 1 OF 2)
S-4	FOUNDATION DETAILS (SHEET 2 OF 2)
P-1	PLUMBING NOTES
P-2	PLUMBING PLAN
M-1	MECHANICAL NOTES
M-2	MECHANICAL PLAN
E-1	ELECTRICAL NOTES
E-2	ELECTRICAL PLAN
E-3	LIGHTING PLAN
E-4	RISER DIAGRAM



LOCATION MAP
NOT TO SCALE

PROJECT LOCATION
190 SW CR 240, LAKE CITY, FLORIDA

PLANS PREPARED FOR:

NETTLES SAUSAGE
LOCAL CONTACT:
WILLIAM J NETTLES
190 SW CR 240
LAKE CITY, FL 32024

ENGINEER AND PLANNER:

Freeman Design Group inc
128 SW NASSAU STREET
LAKE CITY, FL. 32055
(386) 758-4209
CERTIFICATE OF AUTHORIZATION # 00008701

NOTE:
THE SCALE OF THESE PLANS MAY HAVE
BEEN CHANGED DUE TO REPRODUCTION

William H. Freeman
2/18/10
P.E. NO: 66001

GENERAL NOTES

GENERAL PROJECT DATA

FOR IDENTIFICATION OF CONTRACTUAL AGREEMENTS, THIS SET OF DRAWINGS IS DATED AS SHOWN. ANY REVISIONS THEREAFTER WILL BE NOTED AND DATED ON THE AFFECTED DRAWINGS(S).

THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATIONS TO THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANY AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE RELOCATION OF VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT, AND NO EXTRA COMPENSATION WILL BE ALLOWED.

DRAINAGE SYSTEMS

THE CONTRACTOR SHALL PERFORM ALL WORK PERTAINING TO DRAINAGE INCLUDING EXCAVATION OF WRA'S PRIOR TO THE COMMENCEMENT OF OTHER WORK INCLUDED IN THESE PLANS. THE DRAINAGE FACILITIES SHALL BE MAINTAINED BY THE CONTRACTOR DURING THE COURSE OF THIS CONTRACT. THE CONTRACTOR SHALL INCLUDE FUNDS IN THE DRAINAGE COSTS OF THE CONTRACT TO OPERATE AND MAINTAIN THE DRAINAGE SYSTEMS DURING THE WORK PROCESS.

THE CONTRACTOR IS TO OBTAIN A COPY OF THAT SOILS REPORT FOR REVIEW PRIOR TO CONSTRUCTION; AND THE CONSTRUCTION IS TO CONFORM TO THE RECOMMENDATIONS IN THAT REPORT.

AS-BUILTS

AS-BUILTS SHALL BE PROVIDED BY THE CONTRACTOR TO THE ENGINEER TWO WEEKS PRIOR TO FINAL INSPECTION. ALL AS-BUILT DATA SHALL BE PROVIDED BY A FLORIDA LICENSED SURVEYOR, SIGNED, SEALED, AND DATED BY THE RESPONSIBLE PARTY. SEE INDIVIDUAL SECTIONS (STORM, WATER SYSTEM, ETC.) FOR ADDITIONAL AS-BUILT REQUIREMENTS.

PERMITS AND PERMIT REQUIREMENTS

THE CONTRACTOR SHALL OBTAIN FROM THE OWNER COPIES OF ALL REGULATORY AND LOCAL AGENCY PERMITS. THE CONTRACTOR SHALL BE EXPECTED TO REVIEW AND ABIDE BY ALL THE REQUIREMENTS AND LIMITATIONS SET FORTH IN THE PERMITS. A COPY OF THE PERMIT SHALL BE KEPT ON THE JOB AT ALL TIMES.

LAYOUT AND CONTROL

UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL PROVIDE FOR THE LAYOUT OF ALL OF THE WORK TO BE CONSTRUCTED. BENCHMARK INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER OR OWNER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

QUALITY CONTROL TESTING REQUIREMENTS

ALL TESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR, COUNTY, AND THE ENGINEER. TESTING REQUIREMENTS ARE TO BE IN ACCORDANCE WITH THE OWNER/OPERATOR'S SPECIFICATIONS AND REQUIREMENTS. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS. CONTRACTOR SHALL PROVIDE TESTING SERVICES THROUGH A FLORIDA LICENSES GEOTECHNICAL ENGINEERING FIRM ACCEPTABLE TO THE OWNER AND ENGINEER. CONTRACTOR TO SUBMIT TESTING FIRM TO OWNER FOR APPROVAL PRIOR TO COMMENCING TESTING.

SHOP DRAWINGS

SHOP DRAWINGS AND CERTIFICATIONS FOR ALL STORM DRAINAGE, WATER SYSTEM, SEWER SYSTEM, AND PAVING SYSTEM MATERIALS AND STRUCTURES ARE REQUIRED. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING THE MATERIALS REQUIRED FOR CONSTRUCTION.

EARTHWORK

EARTHWORK QUANTITIES

THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS AND CALCULATIONS AS NECESSARY TO ASSURE HIMSELF OF EARTHWORK QUANTITIES. THERE IS NO IMPLICATION THAT EARTHWORK BALANCES, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY IMPORT FILL NEEDED, OR FOR REMOVAL AND DISPOSAL OF EXCESS MATERIALS.

EROSION CONTROL

EROSION AND SILTATION CONTROL MEASURES ARE TO BE PROVIDED AND INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THESE MEASURES ARE TO BE INSPECTED BY THE CONTRACTOR ON A REGULAR BASIS AND ARE TO BE MAINTAINED OR REPAIRED ON AN IMMEDIATE BASIS, AS REQUIRED. REFER TO WATER MANAGEMENT DISTRICT PERMIT FOR ADDITIONAL REQUIREMENTS FOR EROSION CONTROL AND SURFACE DRAINAGE.

LIMITS OF DISTURBANCE

AT NO TIME SHALL THE CONTRACTOR DISTURB SURROUNDING PROPERTIES OR TRAVEL ON SURROUNDING PROPERTIES WITHOUT WRITTEN CONSENT FROM THE PROPERTY OWNER. REPAIR OR RECONSTRUCTION OF DAMAGED AREAS ON SURROUNDING PROPERTIES SHALL BE PERFORMED BY THE CONTRACTOR ON AN IMMEDIATE BASIS. ALL COSTS FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION SHALL BE PROVIDED.

THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER WHEN ALL WORK IS LAID OUT (SURVEY STAKED), SO THAT A DETERMINATION MAY BE MADE OF SPECIFIC TREES TO BE REMOVED. NO TREES SHOWN ON THE CONSTRUCTION PLANS AS BEING SAVED SHALL BE REMOVED WITHOUT PERMISSION FROM THE OWNER AND ENGINEER.
NOTE:
THE CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANS FOR TREE BARRICADING INFORMATION.

SCREENING:

WALLS AND FENCES SHALL BE LANDSCAPED ALONG THE ENTIRE EXTERIOR SIDE SO THAT ONE-THIRD OR MORE OF THE VERTICAL FACE OF THE FENCE OR WALL IS SCREENED BY PLANTINGS. THE APPLICANT SHALL BE REQUIRED TO DEMONSTRATE PROVISION FOR ACCESS AND MAINTENANCE OF LANDSCAPING AT THE TIME OF LANDSCAPE OR PLANTING PLAN APPROVAL.

CLEARING AND GRUBBING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING AND GRUBBING FOR SITE CONSTRUCTION INCLUDING CLEARING FOR PAVING, UTILITIES, DRAINAGE FACILITIES AND BUILDING CONSTRUCTION. ALL AREAS TO BE CLEARED SHALL BE FIELD STAKED AND REVIEWED BY THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION.

MATERIAL STORAGE/DEBRIS REMOVAL

ALL MATERIALS EXCAVATED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STOCKPILED AT ON-SITE LOCATIONS AS SPECIFIED BY THE OWNER. MATERIALS SHALL BE STOCKPILED SEPARATELY AS TO USABLE (NONORGANIC) FILL STOCKPILES AND ORGANIC (MUCK) STOCKPILES IF MUCK IS ENCOUNTERED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL UNSUITABLE FILL MATERIALS FROM THE SITE. ALL CLAY ENCOUNTERED SHALL BE EXCAVATED OUT AND REPLACED WITH CLEAN GRANULAR FILL MATERIALS.

FILL MATERIAL

ALL FILL MATERIALS SHALL CONTAIN NO MUCK, STUMPS, ROOTS, BRUSH, VEGETATIVE MATTER, RUBBISH OR OTHER MATERIAL THAT WILL NOT COMPACT INTO A SUITABLE AND ENDURING BACKFILL. FILL SHALL BE CLEAN, NON-ORGANIC, GRANULAR MATERIAL WITH NOT MORE THAN 10% PASSING THE NO. 200 SIEVE.

COMPACTION

FILL MATERIALS PLACED UNDER ROADWAYS SHALL BE COMPACTED TO AT LEAST 98% OF THE MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. ALL OTHER FILL AREAS ARE TO BE COMPACTED TO AT LEAST 95% MAXIMUM DENSITY AS SPECIFIED IN AASHTO T-180. FILL MATERIALS SHALL BE PLACED AND COMPACTED IN A MAXIMUM OF 12" LIFTS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AND OWNER WITH ALL (PASSING AND FAILING) TESTING RESULTS. RESULTS SHALL BE PROVIDED ON A TIMELY AND REGULAR BASIS PRIOR TO CONTRACTOR'S PAY REQUEST SUBMITTAL FOR THE AFFECTED WORK.

PAVEMENT AND/OR ROAD AND R/W WORK

GENERAL DESIGN INTENT

ALL PAVING SURFACES IN INTERSECTIONS AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY IN THE DIRECTION SHOWN BY THE FLOW ARROWS ON THE PLANS AND TO PROVIDE A SMOOTHLY TRANSITIONED DRIVING SURFACE FOR VEHICLES WITH NO SHARP BREAKS IN GRADE, AND NO UNUSUALLY STEEP OR REVERSE CROSS SLOPES. APPROACHES TO INTERSECTIONS AND ENTRANCE AND EXIT GRADES TO INTERSECTIONS WILL HAVE TO BE STAKED IN THE FIELD AT DIFFERENT GRADES THAN THE CENTERLINE GRADES SHOWN ON THE PLANS. IN THESE AREAS, IT MAY ALSO BECOME ADVISABLE TO MAKE MINOR LOCAL FIELD ADJUSTMENTS IN THE CENTERLINE GRADES TO ACCOMPLISH THE PURPOSES OUTLINED. IN ADDITION, THE STANDARD CROWN WILL HAVE TO BE CHANGED IN ORDER TO DRAIN POSITIVELY IN THE AREA OF INTERSECTIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO ACCOMPLISH THE ABOVE AND THE ENGINEER SHALL BE CONSULTED SO THAT HE MAY MAKE ANY AND ALL REQUIRED INTERPRETATIONS OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTIONS TO ACCOMPLISH THE INTENT OF THE PLANS.

MATERIALS/CONSTRUCTION SPECIFICATIONS

MATERIALS AND CONSTRUCTION METHODS FOR THE ROADWAY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

PAVEMENT SECTION REQUIREMENTS

CONSTRUCTION OF ROADWAYS SHALL BE 8" OF STABILIZED SUBBASE WITH A LIMEROCK BEARING RATIO OF (LBR) 40 COMPACTED TO THE MODIFIED PROCTOR MAXIMUM DRY DENSITY OF 98% PER AASHTO T-180, 8" OF LIMEROCK BASE COURSE, (LBR) 100, COMPACTED TO THE MODIFIED PROCTOR MAXIMUM DRY DENSITY OF 98% PER AASHTO T-180 AND 1 1/2" TYPE S-1 OF VIRGIN ASPHALTIC CONCRETE SURFACE COURSE WITH A MINIMUM STABILITY OF 1500 LBS. SUBGRADE PREPARATION AND PAVEMENT INSTALLATION SHALL CONFORM TO FDOT STANDARDS AND SOILS REPORT RECOMMENDATIONS.

SIDEWALKS

SIDEWALKS ARE TO BE CONSTRUCTED IN THE AREAS AS SHOWN ON THE CONSTRUCTION PLANS. THE 5' SIDEWALK SHALL BE CONSTRUCTED OF 4" OF CONCRETE WITH A 28-DAY COMPRESSION STRENGTH OF 2500 PSI. JOINTS SHALL BE EITHER TOOLED OR SAWCUT AT A DISTANCE OF 5' LENGTHS. HANDICAPPED RAMPS SHALL BE PROVIDED AT ALL INTERSECTIONS AND BE IN ACCORDANCE WITH STATE REGULATIONS FOR HANDICAP ACCESSIBILITY.

PAVEMENT MARKINGS/SIGNAGE

PAVEMENT MARKINGS AND SIGNAGE SHALL BE PROVIDED AS SHOWN ON THE CONSTRUCTION PLANS AND SHALL MEET THE REQUIREMENTS OF THE OWNER/OPERATOR. SIGNAGE SHALL BE IN CONFORMANCE WITH MUTCD (LATEST EDITION). A 48HOUR PAVEMENT CURING TIME WILL BE PROVIDED PRIOR TO APPLICATION OF THE PAVEMENT MARKINGS. REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH DOT INDEX NO. 17352.

TRAFFIC CONTROL

A MINIMUM OF 2-WAY ONE LANE TRAFFIC SHALL BE MAITAINED IN THE WORK SITE AREA. ALL CONSTRUCTION WARNING SIGNAGE SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF CONSTRUCTION AND BE MAINTAINED THROUGHOUT CONSTRUCTION. ACCESS SHALL BE CONTINUOUSLY MAINTAINED FOR ALL PROPERTY OWNRS SURROUNDING THE WORK SITE AREA. LIGHTED WARNING DEVICES ARE TO BE OPERATIONAL PRIOR TO DUSK EACH NIGHT DURING CONSTRUCTION.

CURBING

CURBING SHALL BE CONSTRUCTED WHERE NOTED ON THE CONSTRUCTION PLANS. CONCRETE FOR CURBS SHALL BE DEPARTMENT OF TRANSPORTATION CLASS "1" CONCRETE WITH A 28-DAY COMPRESSION STRENGTH OF 2500 PSI. ALL CURBS SHALL HAVE SAW CUT CONTRACTION JOINTS AND SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10'-0" ON CENTER. CONSTRUCTION OF CURBS SHALL BE IN CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (1991) SECTION 520 AND DETAILS PROVIDED ON THE CONSTRUCTION PLANS.

R/W RESTORATION

ALL AREAS WITHIN THE RIGHT-OF-WAY SHALL BE FINISH GRADED WITH A SMOOTH TRANSITION INTO EXISTING GROUND. ALL SWALES SHALL BE STABILIZED IMMEDIATELY AFTER FINAL GRADING. ALL DISTURBED AREAS SHALL BE RAKED CLEAN OF ALL LIMEROCK AND ROCKS AND SODDED AFTER FINAL GRADING IN ACCORDANCE WITH THE CONSTRUCTION PLANS PRIOR TO FINAL INSPECTION. ALL GRASSING (SEED OR SOD) SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY THE OWNER/OPERATOR.

SITE ACCESS

ALL ACCESS TO THE JOB-SITE FOR CONSTRUCTION AND RELATED ACTIVITIES SHALL BE BY EXISTING STREETS AND ROADS, OR BY THE CONSTRUCTION EASEMENT.

CONSTRUCTION NOTES:

THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.

THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE IN A SECURE MANNER. ALL OPEN TRENCHES AND EXCAVATED AREAS SHALL BE PROTECTED FROM ACCESS BY THE GENERAL PUBLIC.

ALL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO CONSTRUCTION.

THE STORMWATER BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 40B-4 F.A.C.

THE RETENTION BASIN SHALL BE CONSTRUCTED INITIALLY TO SERVE AS A SEDIMENT TRAP DURING CONSTRUCTION.

ALL SLOPES OF THE STORMWATER BASIN AND OUTFALL DITCHES SHALL BE SEEDED & MULCHED. ALL SLOPES STEEPER THAN 3:1 SHALL BE STAPLED SOD.

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 2 POUNDS PER ACRE OF MILLET.

A PAD OF RUBBLE RIP RAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES, OUTFALL DITCHES AND COLLECTION PIPE OUTLETS.

EXISTING DRAINAGE STRUCTURES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED.

THE CONTRACTOR SHALL WASTE ALL EXCESS EARTH ON SITE AS DIRECTED BY THE ENGINEER

THE CONTRACTOR SHALL ADHERE TO THE EROSION CONTROL PLAN, SHEET C-5, BEFORE COMMENCING ANY EARTHWORK ON THE SITE.

William H. Fair 2/4/10 P.E. #34901

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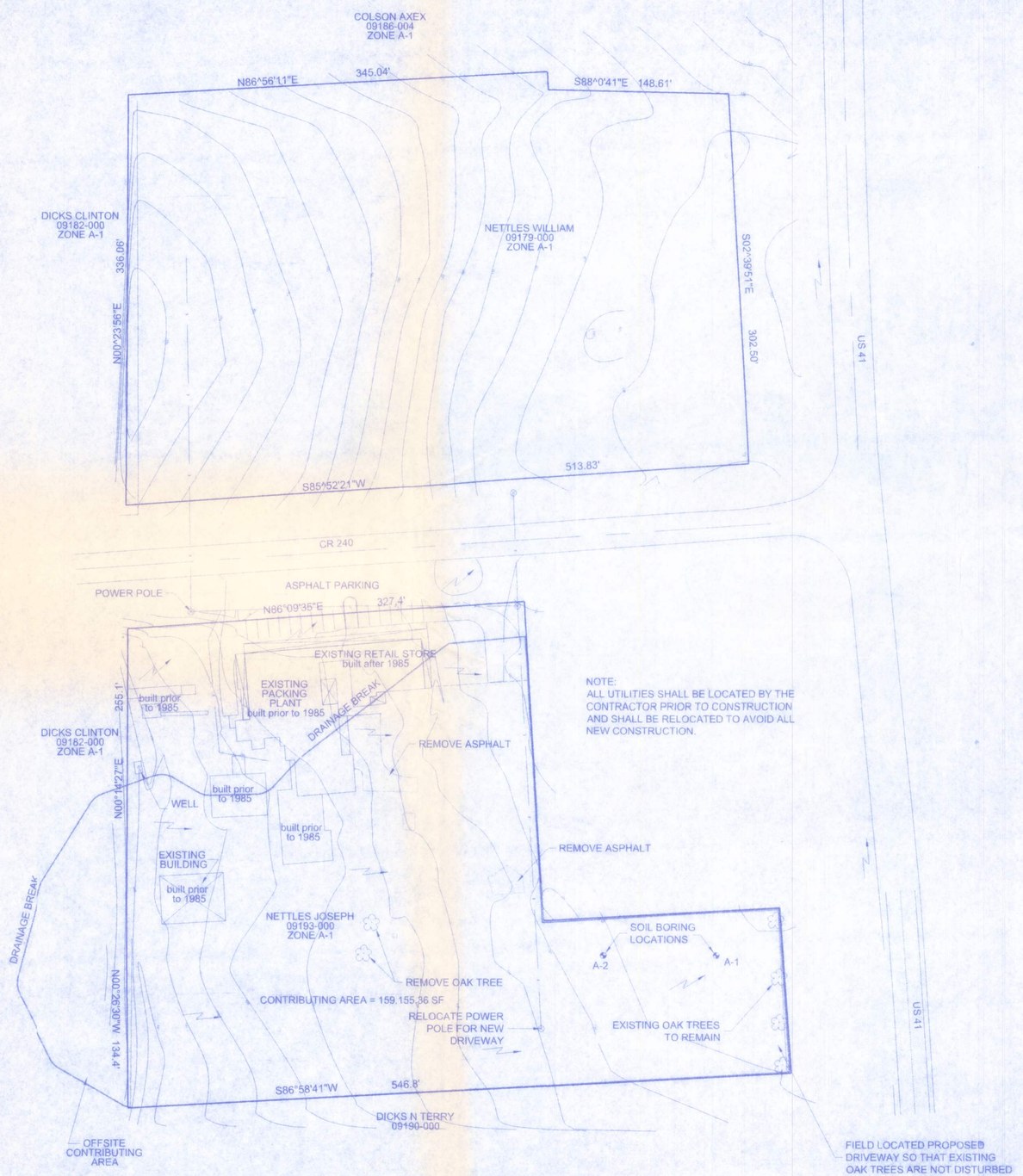
REVISIONS

SHEET C-1
OF 7

PROJECT NO. 08.C021



NOTE:
ALL UTILITIES SHALL BE LOCATED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND SHALL BE RELOCATED TO AVOID ALL NEW CONSTRUCTION.

EXISTING SITE PLAN

PROJET NORTH

0 25 0 100

EXISTING SITE DATA

PROJECT:	NETTLES SAUSAGE		
LEGAL DESCRIPTION:	REFER TO SURVEY		
ZONING:	A-3		
AREA COMPUTATIONS:	SQUARE FEET	ACRES	% OF TOTAL
GROSS SITE AREA:	158,936.69 SF	3.65 Ac.	-
GROSS DRAINAGE AREA:	159,155.36 SF	3.65 Ac.	100.00 %
EXISTING IMPERVIOUS:	15,057.52 SF	0.35 Ac.	17.19 %
NET LANDSCAPE AREA:	144,097.84 SF	3.31 Ac.	82.81 %

P.E. #60027

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SHEET C- 2
OF 7

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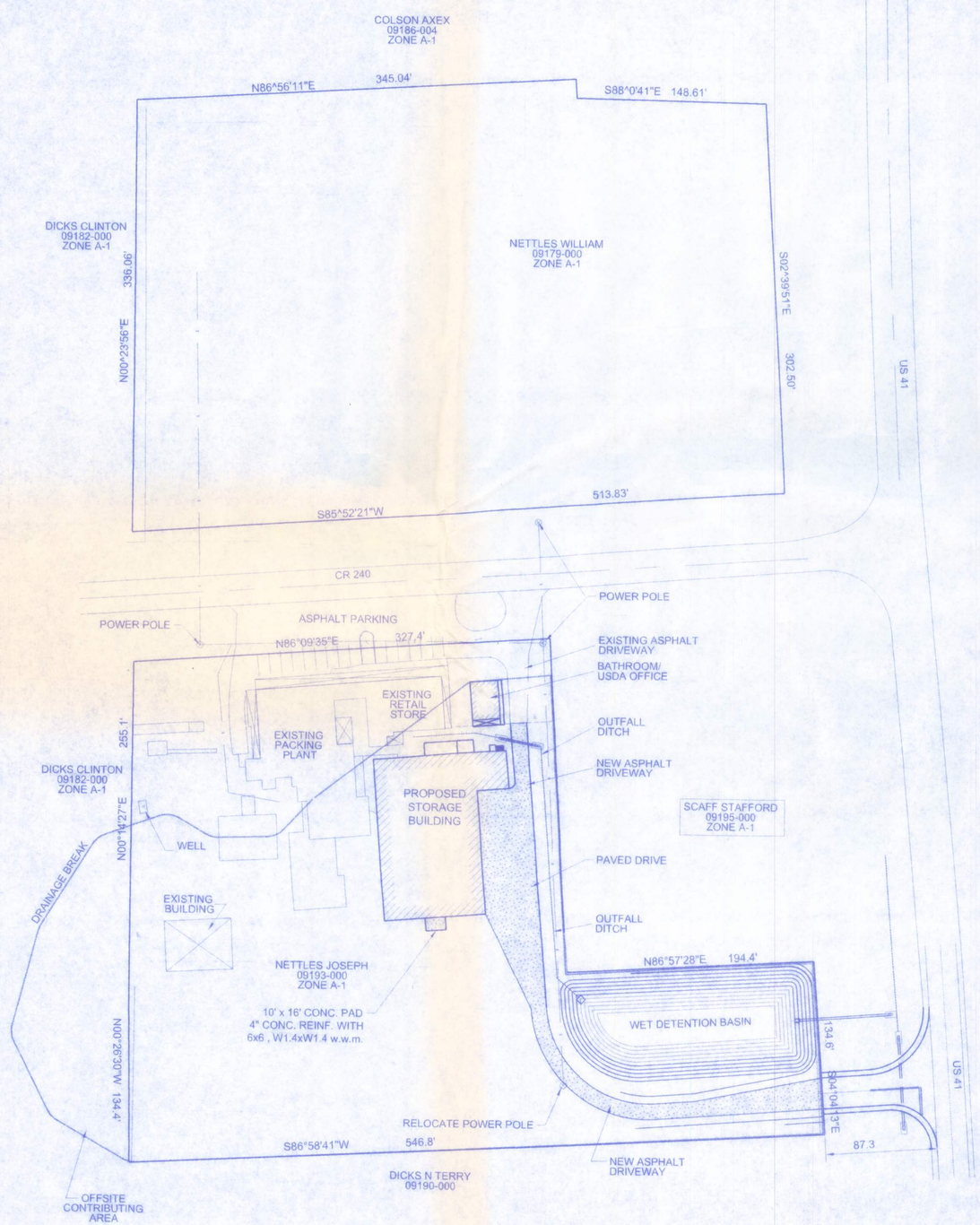
08.C021



PROPOSED SITE PLAN

NEW SITE DATA

PROJECT:	NETTLES SAUSAGE		
LEGAL DESCRIPTION:	REFER TO SURVEY		
ZONING:	A-3		
AREA COMPUTATIONS:	SQUARE FEET	ACRES	% OF TOTAL
GROSS SITE AREA:	158,936.69 SF	3.65 Ac.	-
GROSS DRAINAGE AREA:	159,155.36 SF	3.65 Ac.	100.00 %
EXISTING IMPERVIOUS:	15,057.52 SF	0.35 Ac.	17.19 %
REMOVED IMPERVIOUS:	(2,088.65 SF)	(0.05 Ac.)	(1.31 %)
NEW IMPERVIOUS:	23,556.19 SF	0.54 Ac.	14.80 %
NET TOTAL IMPERVIOUS AREA:	36,527.06 SF	0.84 Ac.	22.95 %
STORMWATER BASIN:	14,734.87 SF	0.34 Ac.	9.26 %
NET LANDSCAPE AREA:	107,893.43 SF	2.48 Ac.	67.79 %

GENERAL SITE DEVELOPMENT NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS SHOWN. NOTIFY THE ENGINEER OF ANY CHANGES OR MODIFICATIONS TO THESE PLANS.
2. THE MATERIALS USED IN THE CONSTRUCTION OF THE DRIVEWAYS AND PARKING AREAS ARE TO MEET THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION).
3. ALL SLOPES GREATER THAN 3:1 SHALL BE SOLID SODDED. ALL DISTURBED AREAS NOT SODDED SHALL BE SEEDED WITH A MIXTURE OF LONG-TERM GRASSES AND QUICK-GROWING SHORT TERM GRASSES FOR THE FOLLOWING CONDITIONS: FOR MONTHS FROM SEPTEMBER THROUGH MARCH, THE MIX SHALL CONSIST OF 70 POUNDS OF LONG-TERM GRASS SEED AND 20 POUNDS OF WINTER RYE, PER ACRE SEEDED. FOR MONTHS OF APRIL THROUGH AUGUST, THE MIX SHALL CONSIST OF 70 POUNDS OF LONG-TERM SEED AND 20 POUNDS OF MILLET, PER ACRE SEEDED.
4. ALL GRASS AREA SHALL RECEIVE A 4" THICK LAYER OF MUCK OR TOPSOIL.
5. THE LOCATION OF ANY UTILITY SHOWN IN THE PLANS IS APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION PRIOR TO ANY CONSTRUCTION OF FABRICATION OF MATERIALS.
6. ALL PERMANENT CORNER MONUMENTS AND/OR PUBLIC BENCHMARK MONUMENTS SHALL BE PRESERVED.
7. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE CITY OF LAKE CITY, FLORIDA (DEPARTMENT OF GROWTH MANAGEMENT) OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.
8. A COPY OF THE AS-BUILT PLANS (IN PAPER AND DIGITAL AUTOCAD FORMAT) MUST BE SUBMITTED TO COLUMBIA COUNTY (DEPARTMENT OF BUILDING AND ZONING).
9. CONTRACTOR SHALL CONTACT COLUMBIA COUNTY, BUILDING AND ZONING DEPARTMENT TO PERFORM THE FOLLOWING SITE INSPECTIONS: EROSION AND SEDIMENT CONTROL INSPECTION (PRIOR TO COMMENCING CONSTRUCTION), SITE COMPLIANCE INSPECTION (ONCE BUILDING FOUNDATION IS POURED AND IMPROVEMENTS ARE BEING LAID OUT), AND FINAL SITE COMPLIANCE INSPECTION (ONCE ALL IMPROVEMENTS ARE FINALIZED). NO CERTIFICATE OF OCCUPANCY WILL BE ISSUED FOR ANY DEVELOPMENT THAT DOES NOT RECEIVE THE ABOVE MENTIONED SITE INSPECTION.

Allen H. Freeman 2/27/18 P.E. #44001

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SHEET C-3
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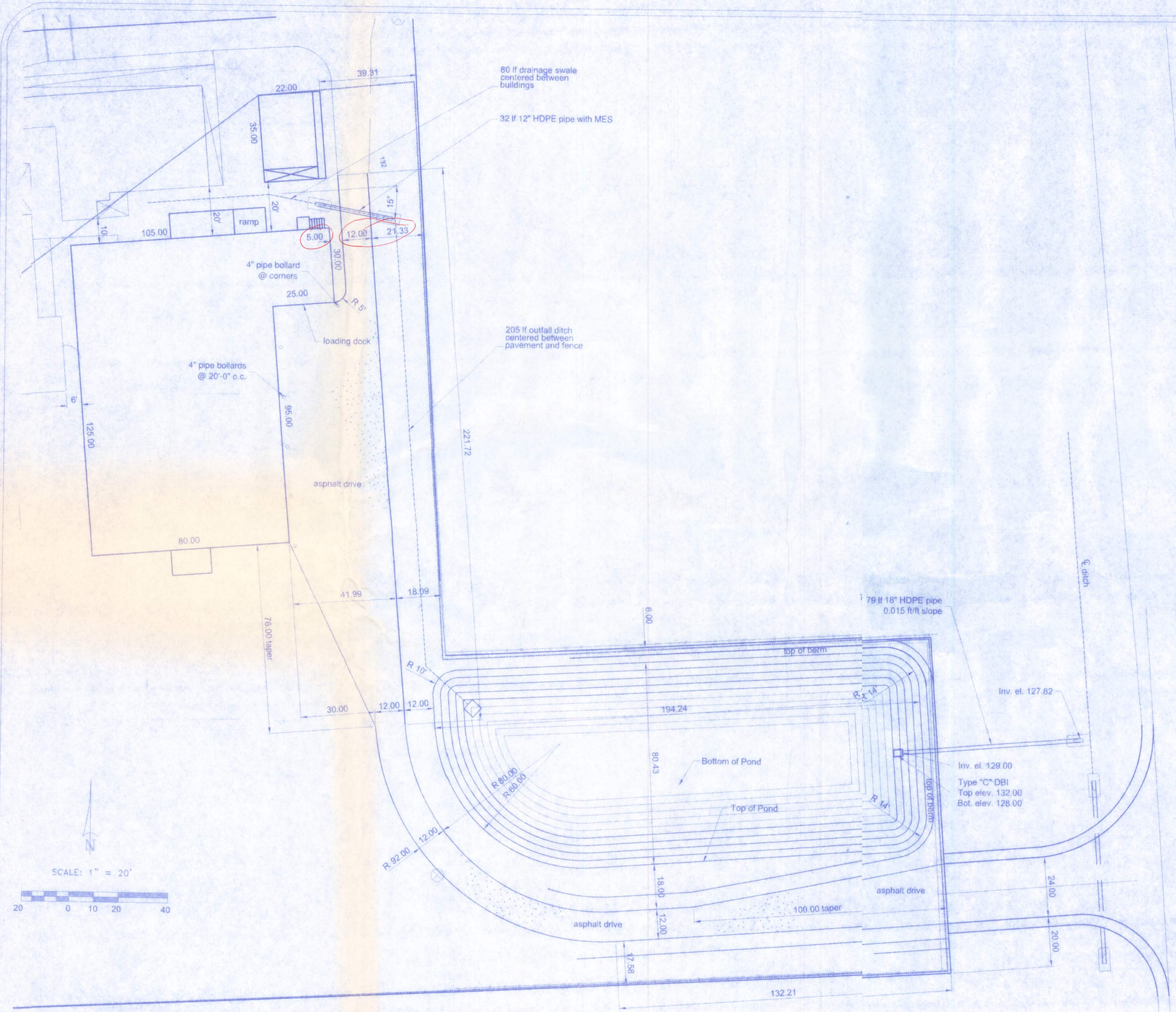

DIMENSION PLAN

SCALE: 1" = 20'-0"

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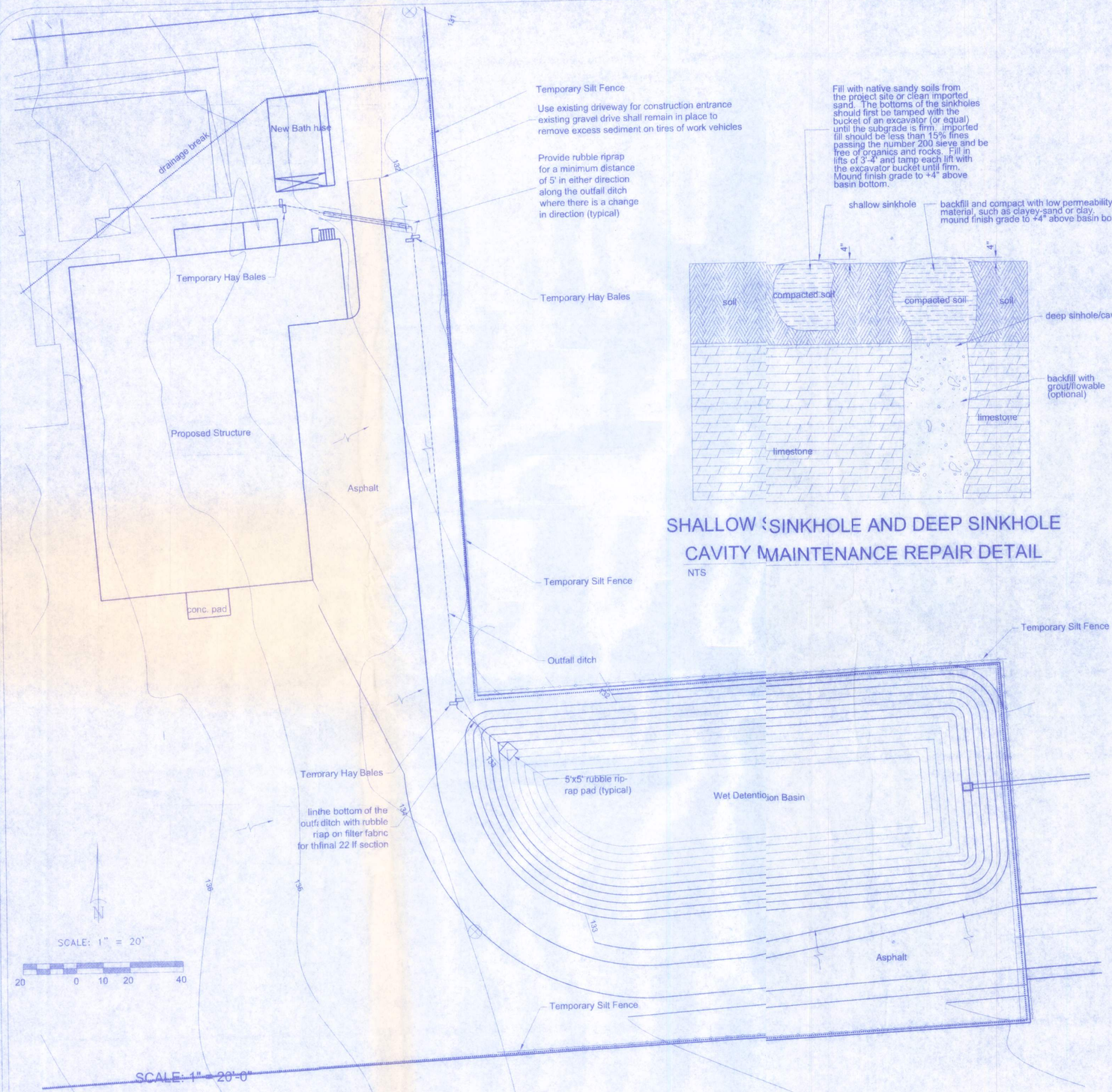

EROSION & SEDIMENT CONTROL PLAN

SHALLOW SINKHOLE AND DEEP SINKHOLE CAVITY MAINTENANCE REPAIR DETAIL

NTS

EROSION AND SEDIMENT CONTROL NOTES:

EROSION AND SEDIMENTATION CONTROL MEASURES SHALL COMPLY WITH MINIMUM STANDARDS FROM APPLICABLE STORMWATER MANAGEMENT CRITERIA ADOPTED. SOME OF THESE STANDARDS ARE AS FOLLOWS:

1. SEDIMENT BARRIERS/SCREENS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED OR INSTALLED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.
2. ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE INSTALLED PRIOR TO ANY GRADING OF EXISTING SURFACE MATERIAL ON BALANCE OF SITE. PERIMETER SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT AND TRASH FROM FLOWING OR FLOATING ONTO ADJACENT PROPERTIES.
3. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE LEFT UNDISTURBED FOR MORE THAN ONE YEAR.
4. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL GROUND COVER IS ACHIEVED THAT, IN THE OPINION OF THE REVIEWER, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.
5. RAINFALL SHALL BE MEASURED AND RECORDED. ONCE A WEEK OR AFTER RAINFALL AMOUNTS OF 0.5 INCHES OR A FDEP FORM REPORT SHALL BE FAXED TO THE APPROPRIATE FDEP OFFICE. SEDIMENT CONTROL STRUCTURES AND DEVICES WILL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVISES SHALL BE CORRECTED IMMEDIATELY.
6. ANY CONCENTRATED RUN-OFF SHALL NOT FLOW DOWN CUT SLOPES OR FILL SLOPES, UNLESS CONTAINED WITHIN ADEQUATE TEMPORARY CHANNELS OR SLOPE DRAIN STRUCTURES.
7. WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.
8. SEDIMENT THAT ENTERS THE STORM SYSTEM SHALL BE FILTERED THROUGH THE USE OF FILTER SCREENS DURING CONSTRUCTION TO MINIMIZE SEVERE SEDIMENT DEPOSITS. PRIOR TO THE PLACEMENT OF FINAL STABILIZATION, SEDIMENT SHALL BE REMOVED FROM AFFECTED AREAS.
9. BEFORE TEMPORARY OR NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS/SWALES ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL/SWALE AND RECEIVING CHANNEL/DITCH.
10. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES AND DEVICES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT LEAVING THE PROPERTY. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKDAY.
11. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY TRACKING ONTO THE PAVED SURFACE. ANY SEDIMENT DEPOSITED ONTO PAVED AREAS SHALL BE SWEPT/SHOVELED AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA AT THE END OF EACH DAY. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.
12. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER THE FINAL SITE STABILIZATION OR AFTER TEMPORARY MEASURES ARE NO LONGER NEEDED. IN THE OPINION OF THE REVIEWER, DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
13. EROSION CONTROL DEVICES SHALL FOLLOW STANDARDS AND DETAILS IN INDEX NUMBERS 100 THROUGH 106 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS. CONTROL DEVICES AND TECHNIQUES, AS PROVIDED IN THE FLORIDA STORMWATER, EROSION, AND SEDIMENTATION CONTROL MANUAL SHALL BE IMPLEMENTED TO COMPLY WITH CURRENT STATE REGULATIONS.
14. PROPERTIES AND WATERWAYS DOWNSTREAM FROM CONSTRUCTION SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION.
15. NO CONSTRUCTION WILL OCCUR OUTSIDE THE LIMITS OF CONSTRUCTION.
16. THE SITE PLAN IS TO MATCH EXISTING GRADE AT PROPERTY LINES AND EXISTING ROAD WITHIN THE PROPERTY.
17. SEE SHEET C-7 FOR CONSTRUCTION NOTES & DETAILS.

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REVISIONS

SHEET C- 5
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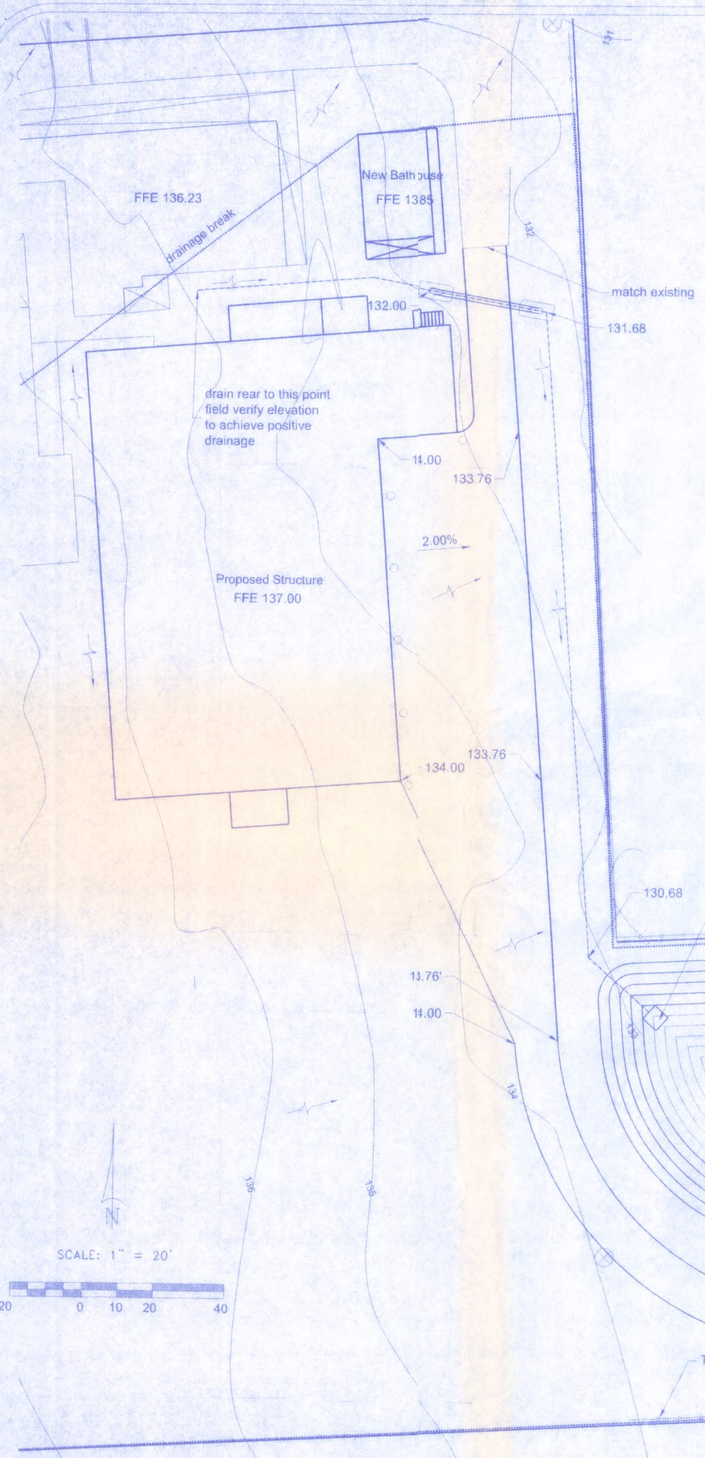
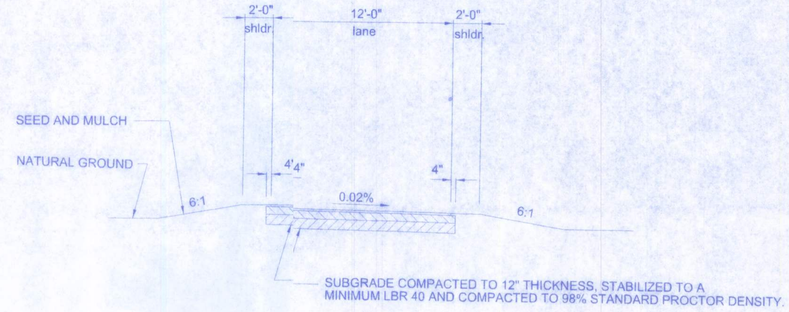
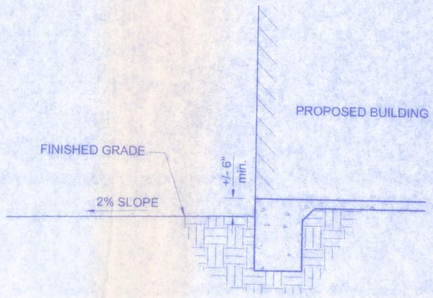


GRADING PLAN



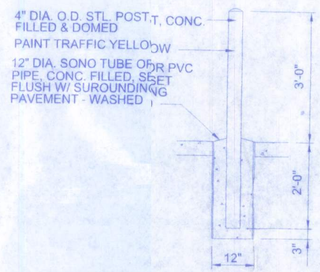
TYPICAL DRIVEWAY SECTION

NTS



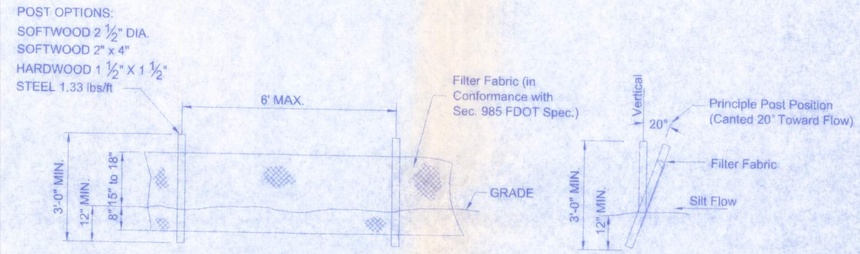
SECTION

NTS



BOLLARD SECTION

NTS



TEMPORARY SILT FENCE DETAIL (TYPE III)

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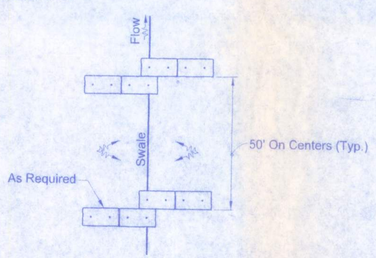
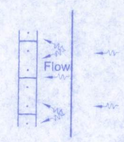


PLAN



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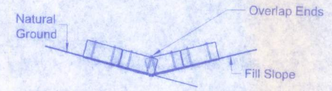
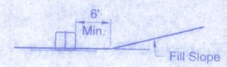


ELEVATION

TO BE USED WHERE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE



ELEVATION

TO BE USED WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

NOTES FOR BALED HAY OR STRAW BARRIERS:

1. HAY BALES SHALL BE TRENCHED 3" TO 4" AND ANCHORED WITH 2 - 1" x 2" (OR 1" DIA.) x 4' WOOD STAKES.
2. ADJACENT BALES SHALL BE BUTTED FIRMLY TOGETHER. UNAVOIDABLE GAPS SHALL BE PLUGGED WITH HAY OR STRAW TO PREVENT SILT FORM PASSING.
3. WHERE USED IN CONJUNCTION WITH SILT FENCE, HAY BALES SHALL BE PLACED ON THE UPSTREAM SIDE OF THE FENCE.

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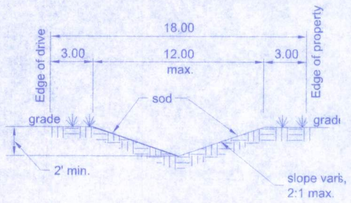
(386) 758-4209
CERTIFICATE OF AUTHORIZATION # 0000075

DATE	DRAWN BY
1/2/10	W.H.F.

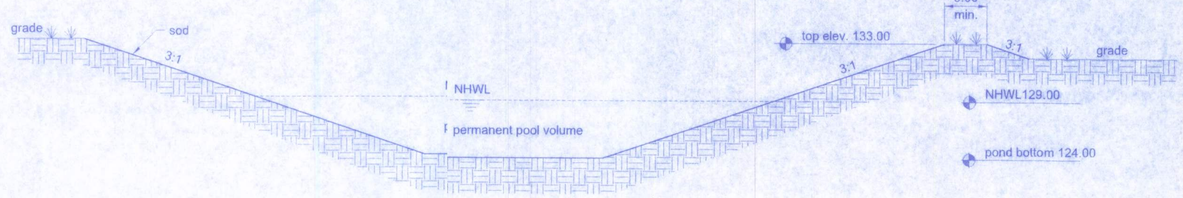
REVISIONS

SHEET C- 6
OF 7

PROJECT NO.
08.C021

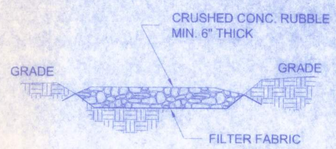


OUTFALL DITCH
N.T.S.

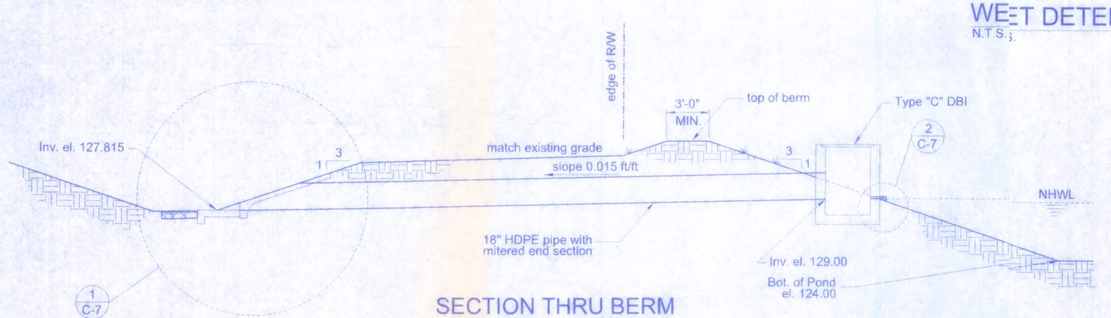


WET DETENTION BASIN SECTION
N.T.S.

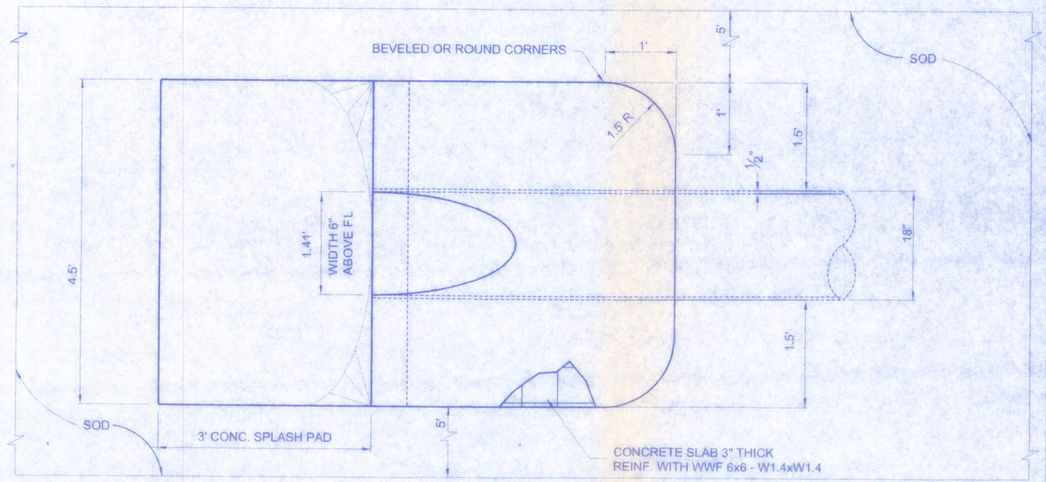
NOTE:
A PAD OF RUBBLE RIPRAP SHALL BE PLACED AT THE BOTTOM OF ALL COLLECTION FLUMES, OUTFALL DITCHES, AND COLLECTION PIPE OUTLETS.



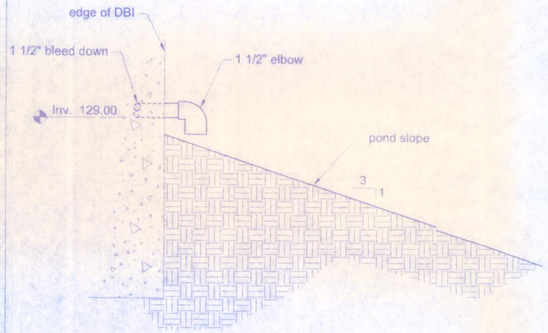
RUBBLE PAD DETAIL
NTS



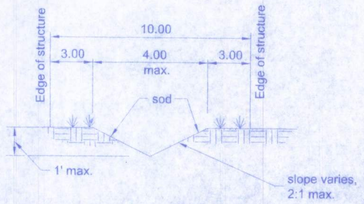
SECTION THRU BERM
NTS



TOP VIEW - SINGLE PIPE
NOTE: SEE SHEET #6 OF FDOT INDEX 272 FOR DETAILS AND NOTES

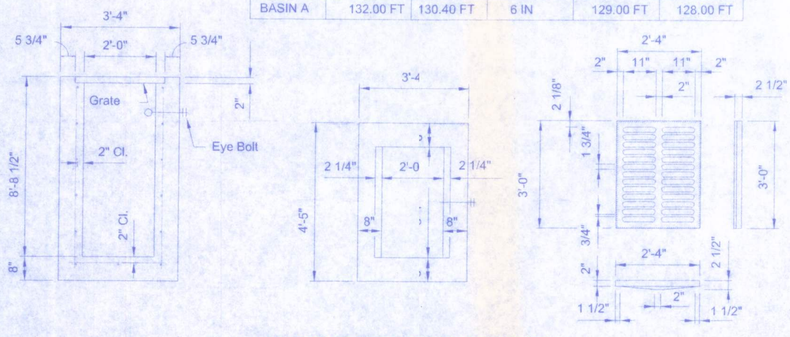


2 BLEED DOWN DETAIL
NTS

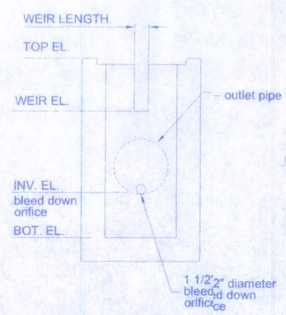


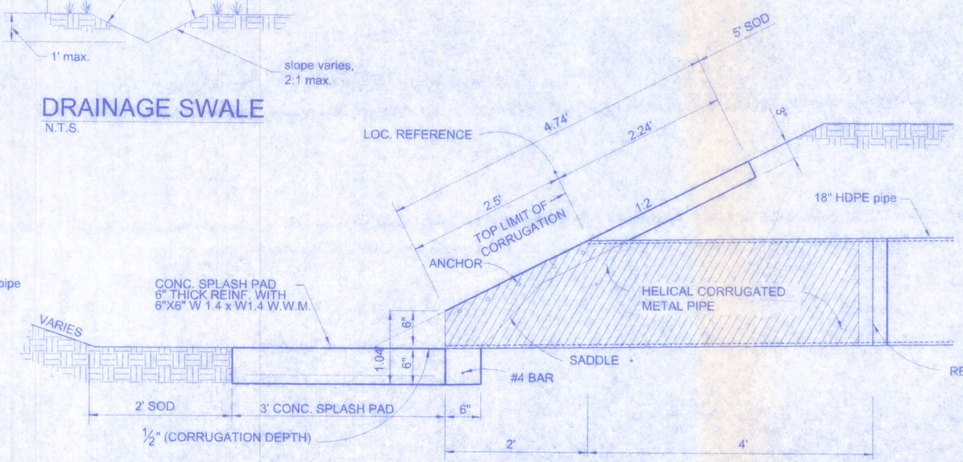
DRAINAGE SWALE
N.T.S.

LOCATION	TOP ELEVATION	WEIR ELEVATION	LENGTH OF WEIR	INVERT ELEVATION	BOTTOM ELEVATION
BASIN A	132.00 FT	130.40 FT	6 IN	129.00 FT	128.00 FT



A MODIFIED TYPE "C" DBI
NTS





1 STORM OVERFLOW OUTLET TO FDOT

* 1:2 MITER:
TO CENTERLINE PIPE FOR
PIPES 18" AND SMALLER

NETTLES SAUSAGE, INC.
COLD STORAGE FACILITY

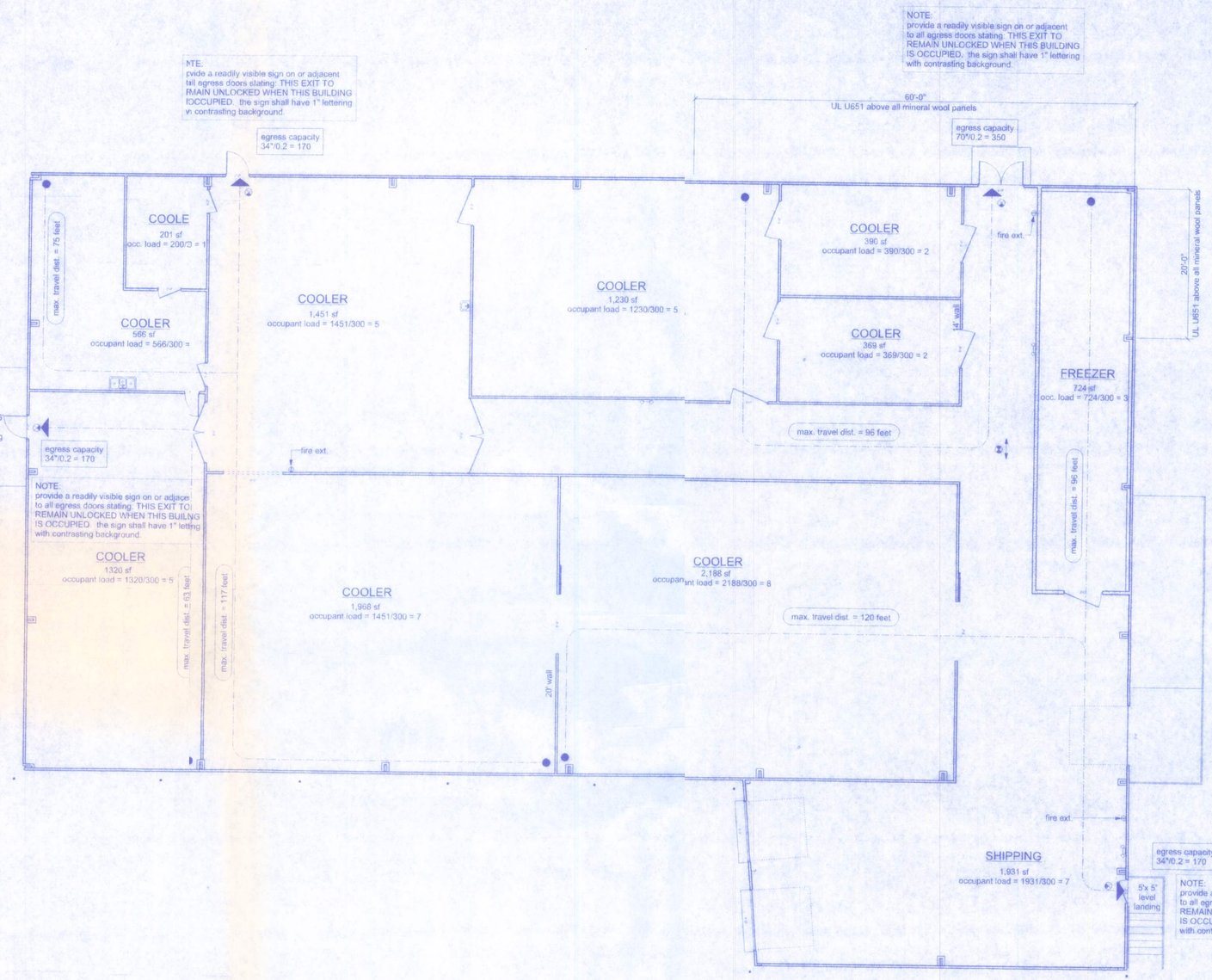
Freeman Design Group Inc
128 SW NASSAU STREET
LAKE CITY, FL 32025
(386) 758-4209
CERTIFICATE OF AUTHORIZATION # 0000801

DATE	DRAWN BY
12/7/10	W.H.F.

REVISIONS

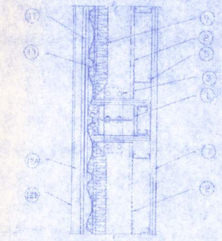
SHEET C-7
OF 7

PROJECT NO.
08.0021



LIFE SAFETY PLAN

SCALE: 1/8" = 1'-0"



Design No. U651
Nonbearing Wall Rating - 1 Hr

1. **Column Protection** — See Design No. X524 for column protection.
2. **Girts** — "Z" shape girts fabricated from 0.056 to 0.120 in. thick steel. Girts shall be 6 to 10 in. deep with 2-1/2 to 3 in. flanges.
3. **Girt Clips** — Fabricated from min 0.115 in. thick steel, angles may be bolted to columns with 1/2 by 1-1/2 in. bolts and nuts or may be plates shop-welded to columns.
4. **Floor and Ceiling Runners** — (Not Shown) — Top and bottom runners of wall assembly shall consist of channel shaped, min No. 20 GSG or MSG, cold-formed corrosion protected steel members. Attached to floor and ceiling assemblies with steel fasteners spaced not greater than 24 in. OC.
5. **Studs** — Channel shaped, min 3-5/8 in. wide, min No. 20 GSG or MSG, cold-formed corrosion-protected steel studs.The max stud spacing of wall assembly shall not exceed 16 in. The studs are secured to the girts, floor and ceiling runners.
6. **Lateral Support Members** — (Not Shown) — Where required for lateral supports of studs, support may be provided by means of steel straps, channels or similar means **For 2 Hr Rating** — First layer of wallboard fastened to studs same as 1 Hr. Second layer of wallboard fastened to studs with 1-5/8 in. long Type S-12 self-drilling self-tapping bugle head steel screws spaced 12 in. OC.

See **Gypsum Board** (CKNX) Category for names of Classified Companies.

7. **Gypsum Board*** — 5/8 in. thick, 4 ft wide gypsum wallboard bearing the UL Classification Marking as to Fire Resistance. Applied vertically with joints between multilayers staggered.**For 1 Hr Rating** — One layer of wallboard fastened to studs with 1 in. long Type S-12 self-drilling self-tapping bugle head steel screws spaced 12 in. OC.**For 2 Hr Rating** — First layer of wallboard fastened to studs same as 1 Hr. Second layer of wallboard fastened to studs with 1-5/8 in. long Type S-12 self-drilling self-tapping bugle head steel screws spaced 12 in. OC.

See **Gypsum Board** (CKNX) Category for names of Classified Companies.

8. **Joint Tape and Compound** — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads. Perforated paper tape, 2 in. wide, embedded in first layer of compound over all joints of outer layer.
9A. **Gypsum Board*** — (As an alternate to Item 7) - Installed as described in Item 7. 5/8 in. thick, 4 ft. wide, paper surfaced, applied vertically and fastened to the studs and plates with 6d cement coated nails 1-7/8 in. long, 0.0915 in. shank diam and 1/4 in. diam heads, 7 in. OC.

NATIONAL GYPSUM CO — SoundBreak XP Type X Gypsum Board

9. **Batts and Blankets*** — Placed between the girts and the steel wall panels. Nom 4 in. thickness of glass fiber or mineral wool batt material bearing the UL Classification Marking as to Fire Resistance

ELECTRICAL	COUNT	SYMBOL
emergency lighting with battery backup	4	
exit directional	8	

LIFE SAFETY NOTES

ALL EXIT AND EMERGENCY LIGHTING SHALL BE INSTALLED PER NEC 700-12, 2008 EDITION.

ACCESS TO EXITS SHALL BE MARKED BY APPROVED READILY VISIBLE SIGNS IN ALL CASES WHERE THE EXIT OR WAY TO REACH THE EXIT IS NOT READILY APPARENT TO THE OCCUPANTS. SIGN PLACEMENT SHALL BE SUCH THAT NO POINT IN THE EXIT ACCESS CORRIDOR IS MORE THAN 100 FT FROM THE NEAREST EXTERNALLY ILLUMINATED SIGN AND IS NOT IN EXCESS OT THE MARKED RATING FOR INTERNALLY ILLUMINATED SIGNS.

ALL FIRE EXTINGUISHERS SHALL BE TYPE 2A-10BC AND SHALL BE LOCATED SO THAT NO POINT IN THE DIRECTION OF TRAVEL FROM ANY POINT IS MORE THAN 75 FT TO THE FIRE EXTINGUISHER.

2/11/10
P.E. #60001

NETTLES SAUSAGE INC.
STORAGE BUILDING

128 SW NASSAU STREET
LAKE CITY, FL 32025
(386)758-4209
CERTIFICATE OF AUTHORIZATION # 00006701
Freeman Design Group INC

DATE 2/11/10	DRAWN BY W.H.F.
	APPROVED W.H.F.
REVISIONS	
SHEET	LS-1
#	1
PROJECT NO	08.C021