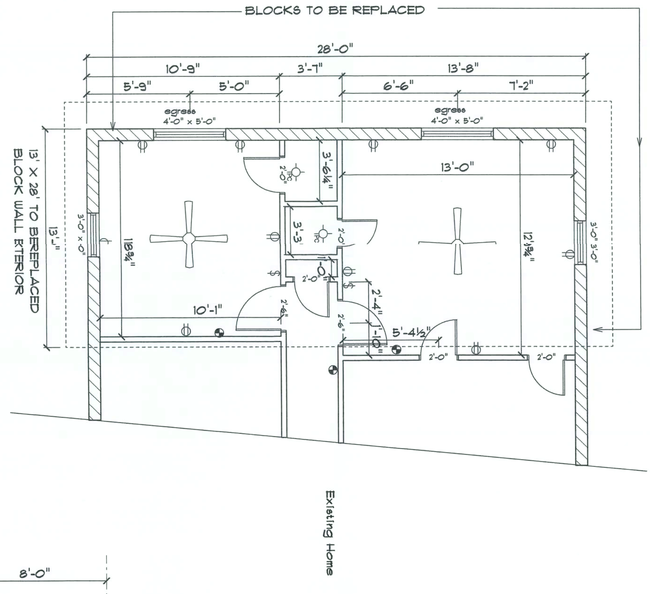
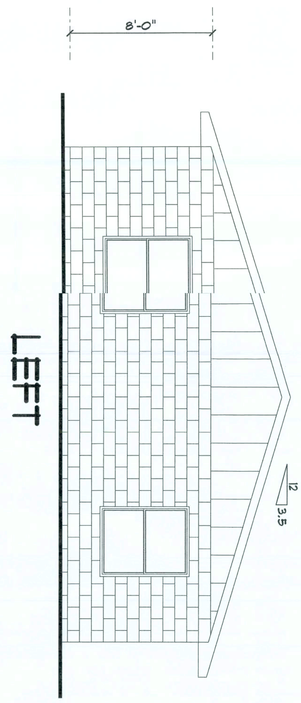
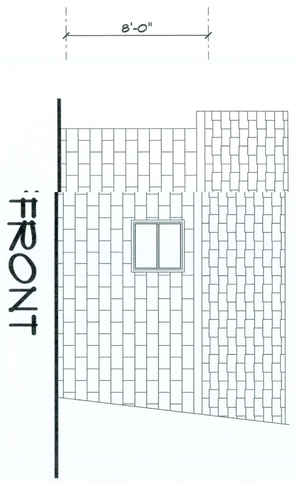
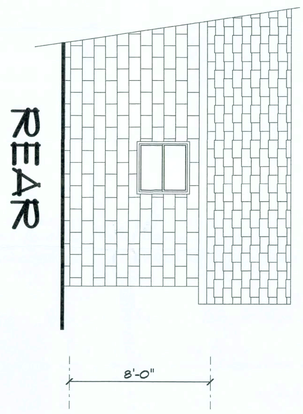
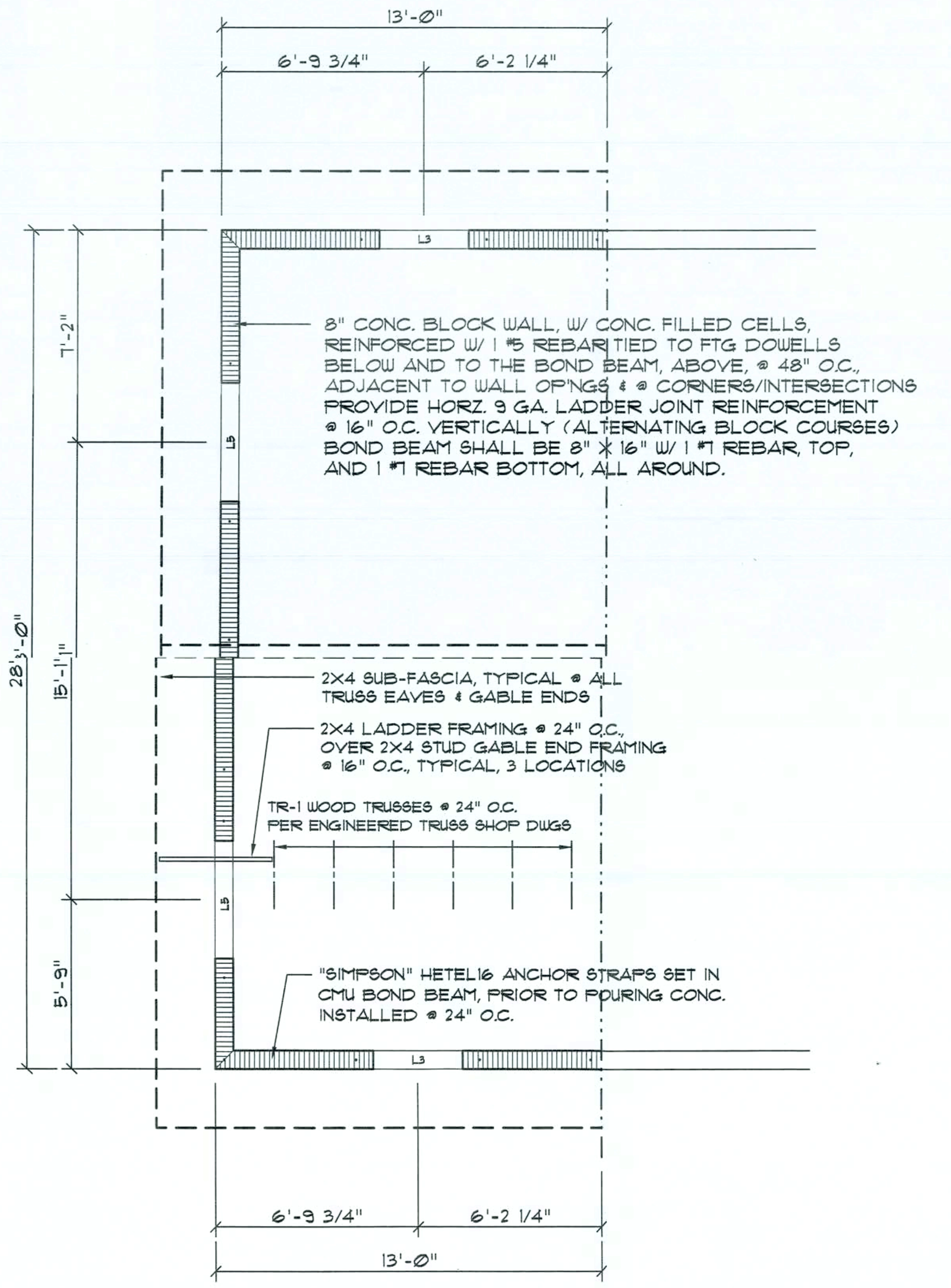








		CREWS REPAIR	DRAWN BY:
			JASON ELIXSON CONSTRUCTION, LLC 4853 WEST SR. 238 LAKE BUTLER, FL. 32054 (386) 623-1741



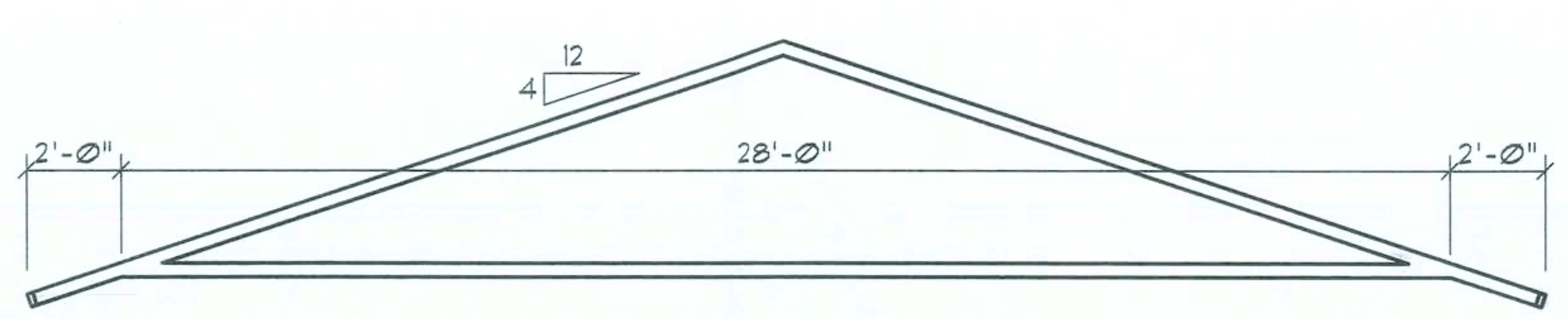
Structural PLAN

SCALE: 1/4" = 1'-0"

GENERAL TRUSS NOTES:

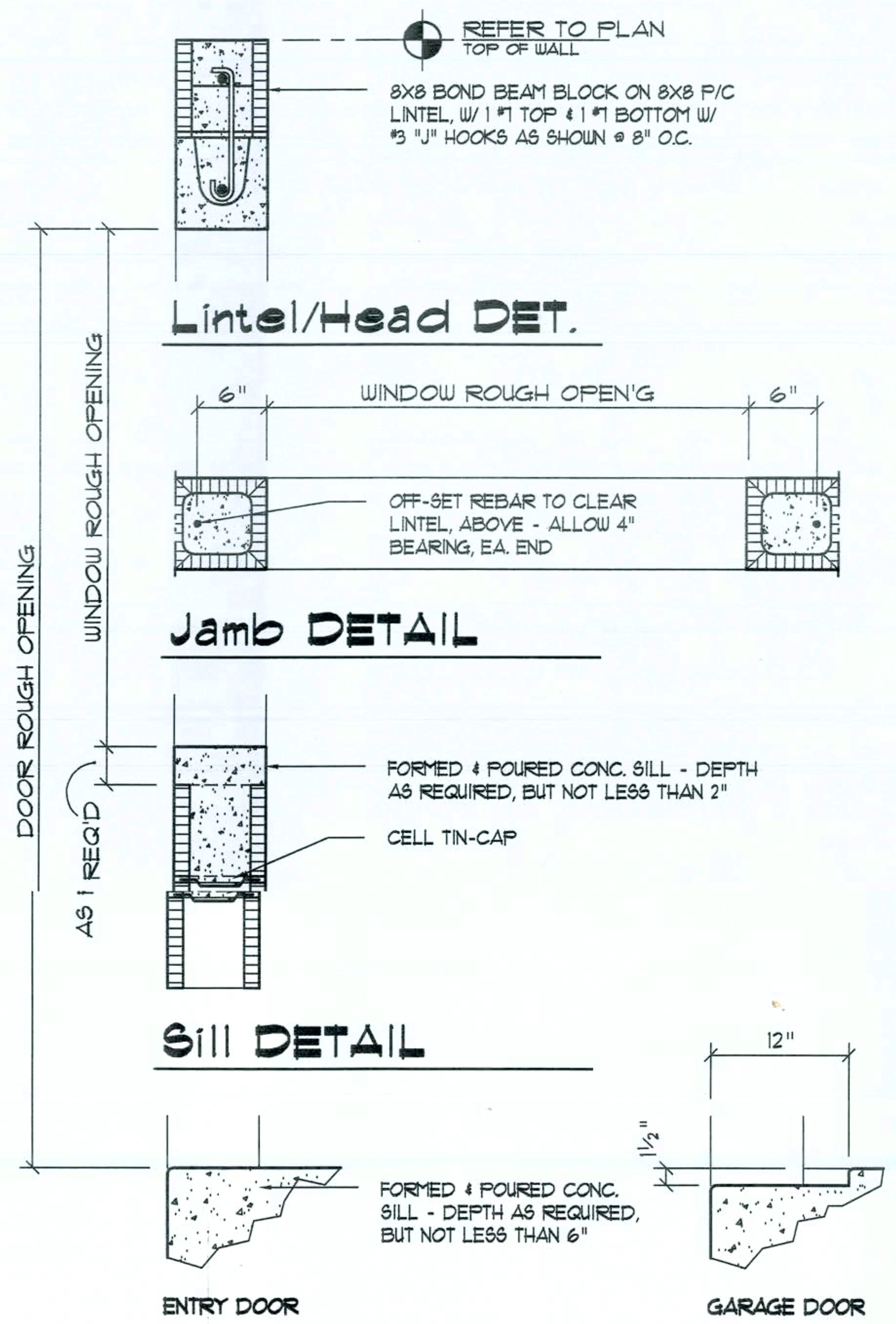
1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND IT'S CONNECTIONS", LATEST Ed., ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIRMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

NOTE!
SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - 4" O.C. ALONG EDGES & 8" O.C. ALONG INTERMEDIATE SUPPORTS.



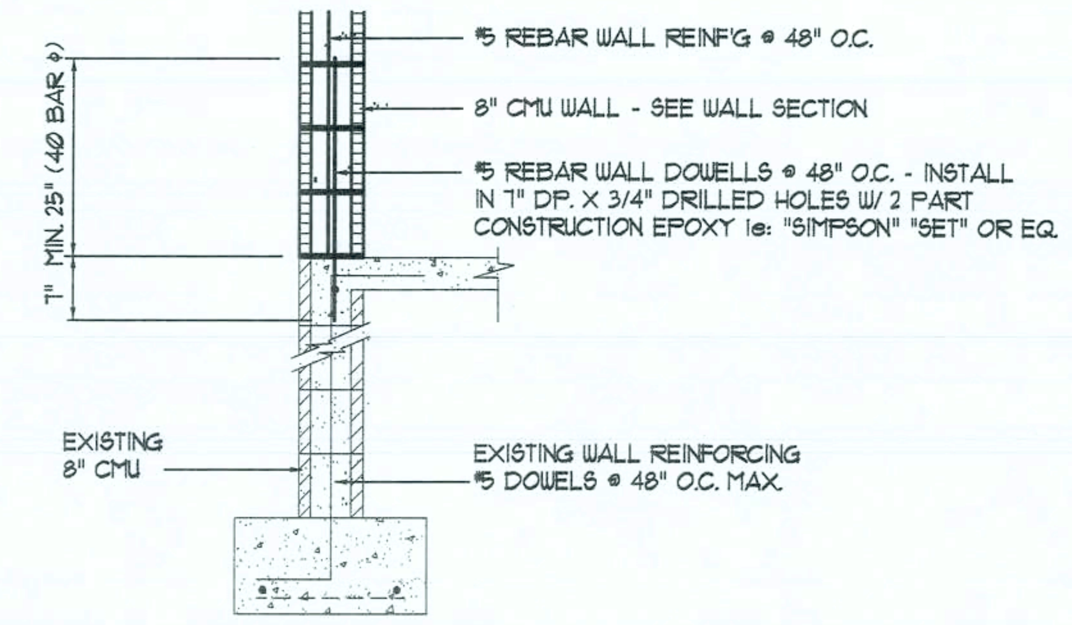
Truss PROFILE

SCALE: 1/4" = 1'-0"



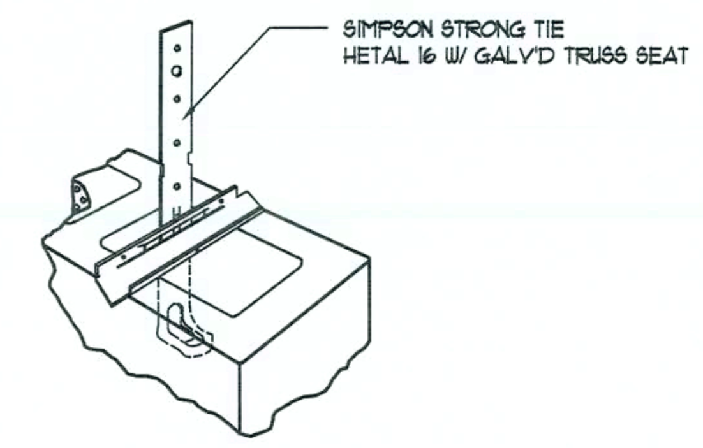
Masonry Opn'g DET'S (B)

SCALE: 1" = 1'-0"



EXISTING STEMWALL SECTION (C)

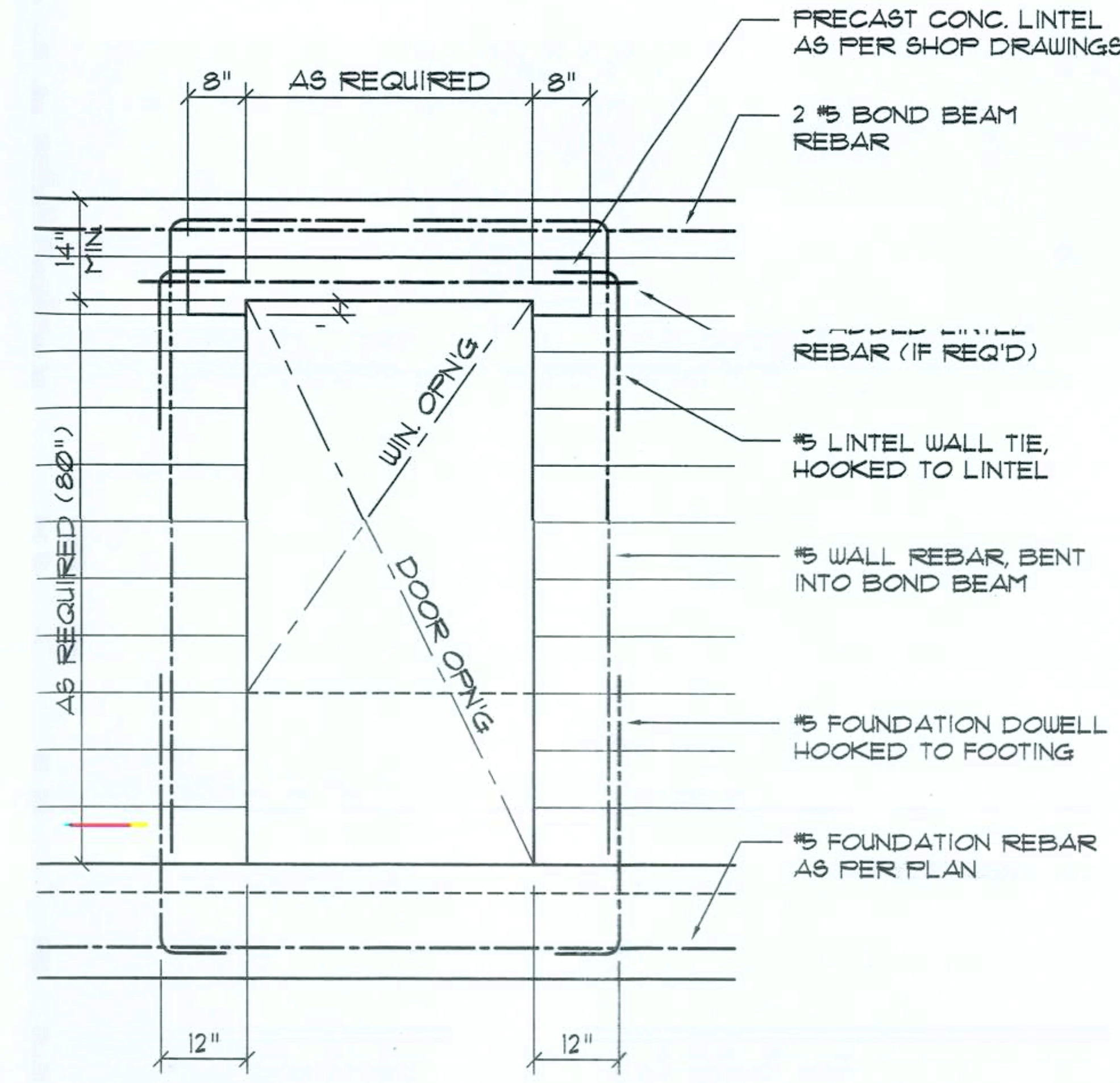
SCALE: 1/2" = 1'-0"



Truss Anchor DETAIL (E)

SCALE: 1/2" = 1'-0"

NOTE!
ALL BLOCK CELLS CONTAINING VERTICAL REINFORCING, SHALL BE SOLIDLY FILLED WITH CONCRETE - SEE GENERAL NOTES

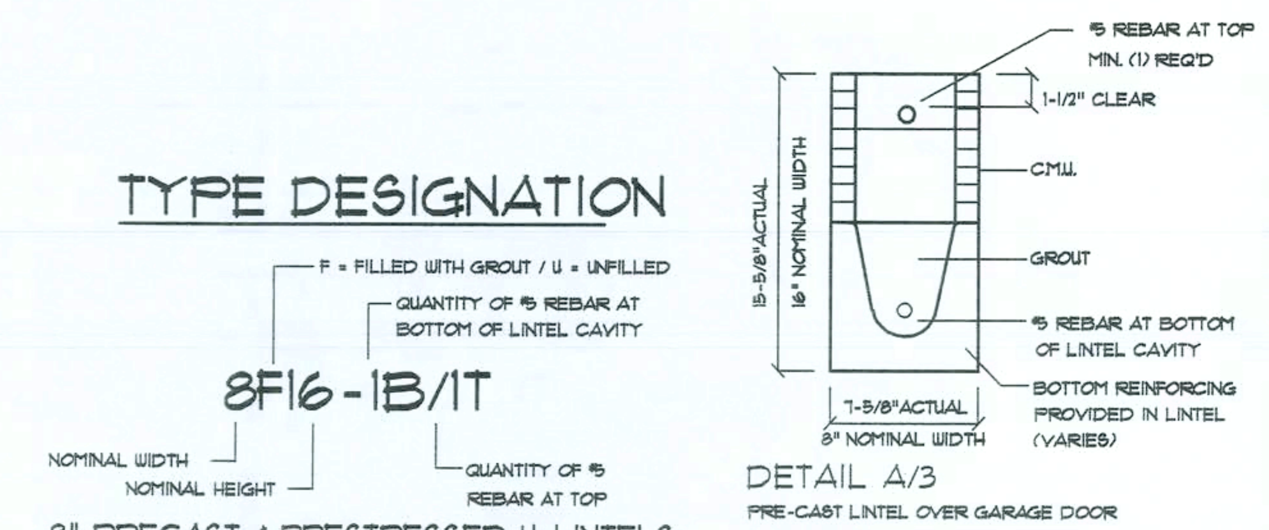


Typical Door/Window Opening Reinforcing DETAIL

SCALE: 1/2" = 1'-0"

NOTE!
REFER TO GENERAL NOTES FOR LAP SPLICE AND HOOK MINIMUM LENGTH/SIZE - ALL PER ACI 318-LATEST

TYPE DESIGNATION



DETAIL A/3
PRE-CAST LINTEL OVER GARAGE DOOR
PRE-CAST LINTELS @ LANAI COLUMNS

8" PRECAST & PRESTRESSED U-LINTELS

CAST-CRETE				GRAVITY						
MARK	LENGTH	TYPE	8U8	8F8-0B / 8F8-1B	8F12-0B / 8F12-1B	8F16-0B / 8F16-1B	8F20-0B / 8F20-1B	8F24-0B / 8F24-1B	8F28-0B / 8F28-1B	8F32-0B / 8F32-1B
L1	2'-10" (34")	PRECAST	2302	3166	4473	6039	7526	9004	10472	11936
				3166	4473	6039	7526	9004	10472	11936
L2	3'-6" (42")	PRECAST	2302	3138	3377	4689	6001	7315	8630	9947
				3166	4473	6039	7526	9004	10472	11936
L3	4'-0" (48")	PRECAST	2029	2325	2496	3467	4438	5410	6384	7358
				2646	4473	6039	7526	9004	10472	11936
L4	4'-6" (54")	PRECAST	1651	1787	1913	2657	3403	4149	4896	5644
				2170	4027	6039	7526	9004	10472	9668
L5	5'-4" (64")	PRECAST	1184	1223	1301	1809	2317	2826	3336	3846
				1665	2889	5057	6096	5400	6424	7450
L6	5'-10" (70")	PRECAST	972	1000	1059	1474	1889	2304	2721	3137
				1459	2464	4144	5458	4437	5280	6122
L7	6'-6" (78")	PRECAST	937	1255	2101	3263	2746	3358	3971	4585
				1255	2101	3396	5260	7134	8995	6890
L8	7'-6" (90")	PRECAST	767	1029	1675	2385	1994	2439	2886	3333
				1029	1675	2610	3839	5596	6613	5047
L9	9'-4" (112")	PRECAST	573	632	1049	1469	1210	1482	1754	2027
				768	1212	1818	2544	3469	4030	3127
L10	10'-6" (126")	PRECAST	456	482	802	1125	915	1122	1328	1535
				658	1025	1514	2081	2774	3130	2404
L11	11'-4" (136")	PRECAST	445	598	935	1365	1854	2355	1793	2075
				598	935	1365	1854	2441	3155	4044
L12	12'-0" (144")	PRECAST	414	545	864	1254	1689	2074	1570	1818
				555	864	1254	1693	2211	2832	3590
L13	13'-4" (160")	PRECAST	362	427	726	1028	1331	1635	1224	1418
				485	748	1076	1438	1855	2343	2920
L14	14'-0" (168")	PRECAST	338	381	648	919	1190	1462	1087	1260
				455	700	1003	1335	1714	2153	2666
L15	14'-8" (176")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
				465	765	1370	2045	2610	3185	3765
L16	15'-4" (184")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
				420	695	1250	1855	2370	2890	3410
L17	17'-4" (208")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
				310	530	950	1400	1800	2200	2600
L18	19'-4" (232")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
				240	400	750	1090	1400	1720	2030
L19	21'-4" (256")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
				183	330	610	940	1340	1780	2110
L20	22'-0" (264")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
				160	300	570	870	1250	1660	1970
L21	24'-0" (288")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NR
				130	240	470	720	1030	1350	1610

8" PRECAST W/ 2" RECESS DOOR U-LINTELS

CAST-CRETE				GRAVITY						
MARK	LENGTH	TYPE	8RU6	8RF6-0B / 8RF6-1B	8RF10-0B / 8RF10-1B	8RF14-0B / 8RF14-1B	8RF18-0B / 8RF18-1B	8RF22-0B / 8RF22-1B	8RF26-0B / 8RF26-1B	8RF30-0B / 8RF30-1B
L22	4'-4" (52")	PRECAST	1489	1591	3053	2982	3954	4929	5904	6880
				1827	3412	4982	6472	7947	9416	10878
L23	4'-6" (54")	PRECAST	1357	1449	2782	2714	3600	4487	5375	6264
				1702	3412	4982	6472	7947	9416	10878
L24	5'-8" (68")	PRECAST	785	832	1602	1550	2058	2566	3075	3585
				1153	2162	4074	6472	6516	5814	6839
L25	5'-10" (70")	PRECAST	735	779	1500	1449	1924	2400	2876	3352
				1103	2051	3811	6472	6516	5450	6411
L26	6'-8" (80")	PRECAST	822	907	1677	2933	2576	3223	3872	4522
				907	1677	2933	4100	6730	8177	6707
L27	7'-6" (90")	PRECAST	665	761	1377	2252	1958	2451	2944	3439
				764	1377	2329	3609	5492	6624	5132
L28	9'-8" (116")	PRECAST	371	420	834	1253	1071	1342	1614	1886
				535	928	1497	2179	2618	3595	2875

CMU WINDOW SCHEDULE

TYPE	WINDOW LINTEL	ROUGH OPENING	REMARKS
1/2 35 SH	42"	28" X 63"	
SH 23	54"	37 3/4" X 39"	
SH 25	54"	37 3/4" X 63"	EGRESS WINDOW
(2) SH 25	90"	74 7/8" X 63"	EGRESS WINDOW
SH 22	54"	37 3/4" X 28 3/8"	
345 SH	64"	54 3/4" X 57"	
SH 35	70"	53 7/8" X 63"	EGRESS WINDOW
4840 GB	72"	56 3/4" X 48"	

ALL WINDOWS MANUFACTURED BY: TBD
SEE ATTACHED ENGINEERING

REVISION:

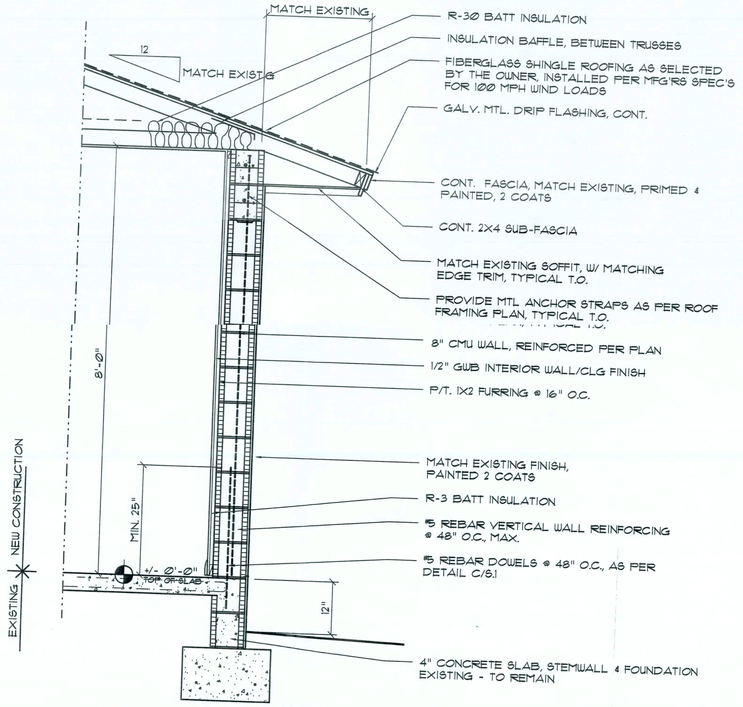
DRAWN: PPG

STORM DAMAGE RESTORATION for:
CREWS
ALACHUA COUNTY, FLORIDA
STRUCTURAL PLAN & DETAILS

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
Lake City, FL 32055

DATE: 12 MAY 2009
COMM: 2K918
SHEET: S.1
1 of 2

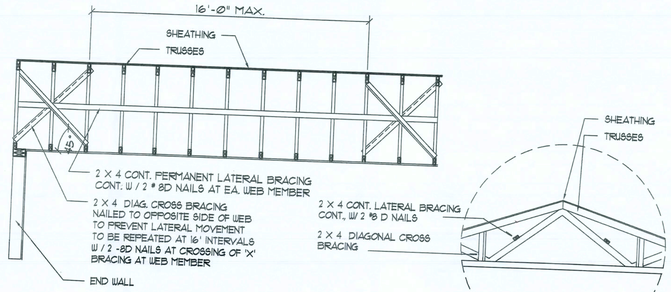
AR0007005



Typical Wall SECTION

SCALE: 3/4" = 1'-0"

A



TYP. PERMANENT TRUSS BRACING DIA.

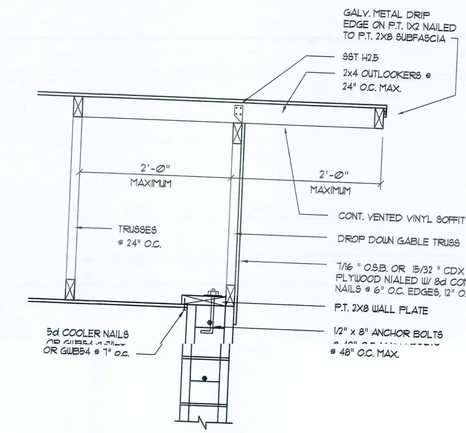
NTS

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED

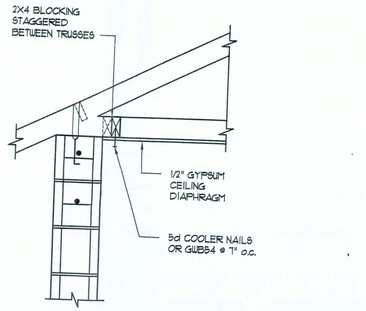
Z



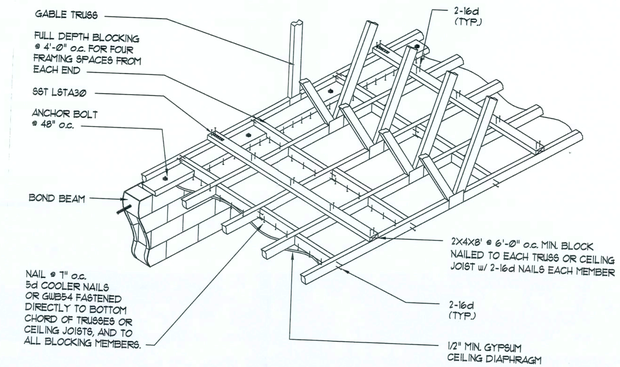
Gable End DETAIL

SCALE: NONE

Y



GYPSUM CEILING DIAPHRAGM TO SIDEWALL CONNECTION



DIRECT TRUSS TO MASONRY CONNECTION ENDWALL FOR GYPSUM CEILING DIAPHRAGM

SCALE: NONE

W

Roof Edge DETAIL

SCALE: NONE

X

2007 FLORIDA BUILDING CODE, SECTION 1609 COMPLIANCE SUMMARY

PROJECT: COUNTRY STYLE LOG HOMES, INC.
OLD TOWN, DIXIE COUNTY, FLORIDA

TYPE OF CONSTRUCTION
ROOF: Gable Construction, Wood Trusses @ 24" O.C.
WALLS: 8" CMU, Reinforced W / #5 Rebar @ 48" O/C/
FLOOR: Existing Concrete Slab
FOUNDATION: Existing Continuous Footer/Stemwall

ROOF DECKING
MATERIAL: 1/2" CDX Plywood or 7/16" OSB
SHEET SIZE: 48"x96" Sheets Placed Perpendicular to Roof Framing
FASTENERS: 8D Common Nails @ 4" O.C. Ends, 8" Ø.C. Interior

SHEAR WALLS
MATERIAL: 8" CMU per Plan Notes

HURRICANE UPLIFT CONNECTORS
TRUSS CLIPS: SIMPSON Hetel 16 @ Each Truss End, Typ. U.N.O.
Refer to Truss Engineering for uplift loads

FOOTINGS AND FOUNDATIONS
HOUSE FOOTINGS: Existing
HOUSE STEMWALL: Existing

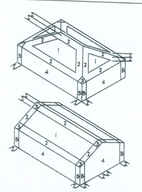
CONSTRUCTION DETAILS:
Refer to the Attached Details:
Sheets S.1 - S.2
Details may be general in nature and apply to walls up to 10'-0" height.

PREPARER'S CERTIFICATION
I hereby certify that the attached Wind Load Design and Analysis calculations are in compliance with the 2007 Florida Building Code, Section 1609, to the best of my knowledge and belief.

Date:
Nicholas Paul Geisler, Architect AR0007005

DESIGN DATA (110 MPH WIND SPEED)

WIND LOADS PER ANSI 7-05	
(ENCLOSED SIMPLE DIAPHRAGM BUILDINGS WITH FLAT, HIPPED, OR GABLE ROOFS; MEAN ROOF HEIGHT NOT EXCEEDING EAVE HEIGHT IN EXP. B, 30FT IN EXP. C AND 60FT IN EXP. D; SLOPE AND UNOBSTRUCTED UPWIND FOR 50X HEIGHT OR 1 MILE WHICHEVER IS LESS.)	
BUILDING IS NOT IN THE HIGH VELOCITY HURRICANE ZONE	
BUILDING IS IN THE WIND-BORNE DEBRIS REGION	
1.) BASIC WIND SPEED = 110 MPH	
2.) WIND EXPOSURE = B	
3.) WIND IMPORTANCE FACTOR = 1.0	
4.) BUILDING CATEGORY = II	
5.) ROOF ANGLE = 10-45 DEGREES	
6.) MEAN ROOF HEIGHT = < 30 FT	
7.) INTERNAL PRESSURE COEFFICIENT = N/A (ENCLOSED BUILDING, ANSI 7-05)	
8.) COMPONENTS AND CLADDING DESIGN WIND PRESSURES (ANSI 7-05)	



Zone	Effective Wind Area (ft2)			
	10		100	
1	10.0	21.8	10.0	-13.3
2	10.0	-36.5	10.0	-28.1
2 Ofg		-40.6		-40.6
3	10.0	-55.0	10.0	-23.6
3 Ofg		-68.3		-42.6
4	21.8	-23.6	18.5	-20.4
5	21.8	-29.1	18.5	-22.6
Doors & Windows Glass Case (Zone 5, 10 ft2)		21.8		-29.1

DESIGN LOADS	
FLOOR	40 PSF (ALL OTHER DWELLING ROOMS)
	30 PSF (SLEEPING ROOMS)
	30 PSF (ATTICS WITH STORAGE)
	10 PSF (ATTICS WITHOUT STORAGE, < 3:12)
ROOF	20 PSF (FLAT OR < 4:12)
	16 PSF (4:12 TO < 12:12)
	12 PSF (12:12 AND GREATER)
STAIRS	40 PSF (ONE & TWO FAMILY DWELLINGS)
SOIL BEARING CAPACITY	1000PSF
NOT IN FLOOD ZONE (BUILDER TO VERIFY)	

GENERAL BEAM SCHEDULE NOTE:

1. SCHEDULED HOOPS OR STIRRUPS SHALL BE PLACED AT EACH END OF BEAM UNLESS NOTED OTHERWISE. STIRRUPS SHALL BE TYPE S-6 # HOOPS SHALLBE TYPE T-2 TYPICAL CRSI BAR BENDS UNLESS NOTED OTHERWISE.
2. BUNDLE ALL STRUCTURAL BEAM TOP BARS IN PAIRS OVER SUPPORTS WITH TOP BARS FROM ADJACENT BEAMS.
3. ALL CONCRETE BEAMS OTHER THAN THOSE WITH THE PREFIX TB SHALL BE POURED PRIOR TO PLACING OF BLOCK BELOW.
4. ALL TIE BEAM REINFORCING SHALL BE CONTINUOUS THROUGH TIE BEAMS ONLY. ALL SPLICES SHALL BE A MINIMUM OF 30 BAR DIAMETERS.
5. ALL TIE BEAM TOP REINFORCING SHALL EXTEND INTO SPAN OF ANY ADJACENT STRUCTURAL BEAM AS PER BENDING DIAGRAM.
6. DROP BOTTOM OF TIE BEAMS AS REQUIRED AT WINDOW AND DOOR HEADS (28" MAXIMUM) AND ADD 2 #5 BOTTOM IF DROP EXCEEDS 8".
7. TIE BEAM SCHEDULED DEPTHS ARE MINIMUM AND MAY BE INCREASED (8" MAXIMUM) TO FIT BLOCK WORK.
8. ALL ADDED LONGITUDINAL BEAM REINFORCING SHALL EXTEND A MINIMUM OF 6" INTO SUPPORT UNLESS NOTED OTHERWISE.
9. MARK 'C' IN REINFORCING COLUMN BETWEEN TWO BEAMS INDICATES THAT REINFORCING SHALL BE CONTINUOUS THROUGH THESE TWO BEAMS.

REVISION:

DRAWN: mpg

STORM DAMAGE RESTORATION for:
CREWS
ALACHUA COUNTY, FLORIDA
STRUCTURAL DETAILS

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.R.B. Certified
1758 NW Brown Rd.
Lake City, FL 32055
386-243-9321

DATE: 12 MAY 2009
COMM: 2K918
SHEET: S.2
2 OF 2

12 May 2009