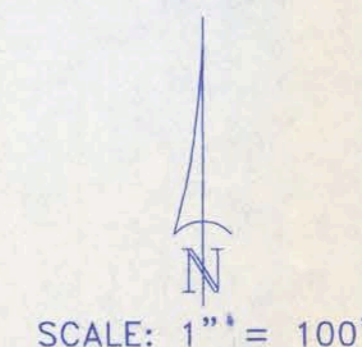
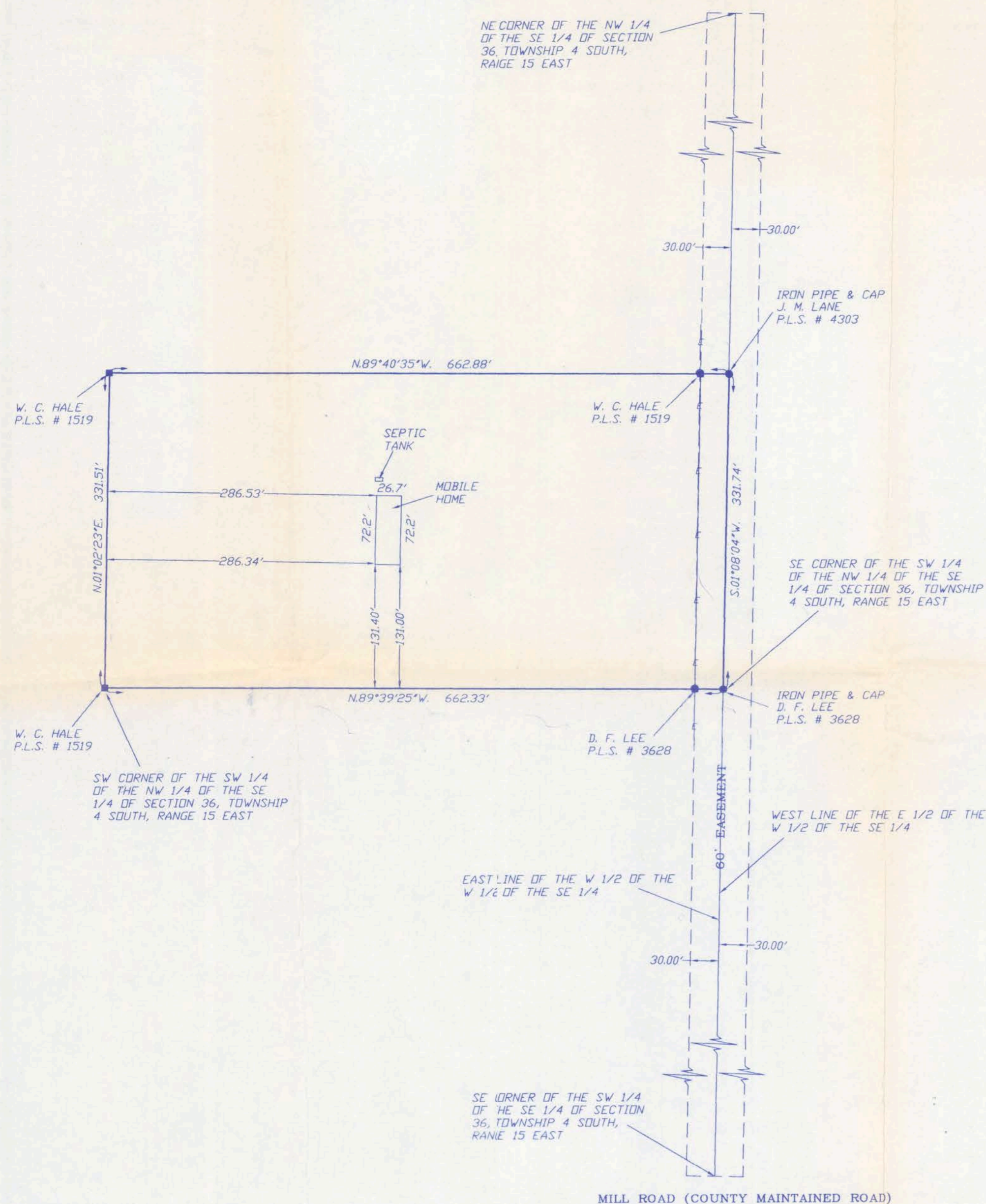


A BOUNDARY SURVEY IN SECTION 36, TOWNSHIP 4 SOUTH,  
RANGE 15 EAST, COLUMBIA COUNTY, FLORIDA.



SYMBOL LEGEND:	
■	4"x4" CONCRETE MONUMENT FOUND
□	4"x4" CONCRETE MONUMENT SET
●	IRON PIPE FOUND
○	IRON PIN AND CAP SET
⊕	POWER POLE
⊙	WATER METER
⊕	CENTERLINE
*	WELL
⊙	SATELLITE DISH
⊙	TELEPHONE BOX
---	ELECTRIC LINES
-X-	WIRE FENCE
-o-	CHAIN LINK FENCE
-▬-	WOODEN FENCE

DESCRIPTION:  
THE S 1/2 OF THE SW 1/4 OF THE NW 1/4 OF THE SE 1/4, SECTION 36, TOWNSHIP 4 SOUTH, RANGE 15 EAST, COLUMBIA COUNTY, FLORIDA.

TOGETHER WITH:  
A NON-EXCLUSIVE PERPETUAL EASEMENT 60 FEET IN WIDTH OVER AND ACROSS THE FOLLOWING DESCRIBED PROPERTY:

AN EASEMENT 60.00 FEET IN WIDTH FOR THE PURPOSE OF INGRESS AND EGRESS LYING 30.00 FEET EACH SIDE OF AND ADJACENT TO THE FOLLOWING DESCRIBED LAND: THE EAST LINE OF THE W 1/2 OF THE W 1/2 OF THE SE 1/4, BEING ALSO THE WEST LINE OF THE E 1/2 OF THE W 1/2 OF THE SE 1/4.

- SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND.
  2. BEARINGS ARE BASED ON AN ASSUMED BEARING OF S.01°08'04"W., FOR THE EAST LINE THEREOF.
  3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD RATE MAP, DATED 6 JANUARY, 1988 COMMUNITY PANEL NUMBER 120070 0175 B. HOWEVER, THE FLOOD INSURANCE RATE MAPS ARE SUBJECT TO CHANGE.
  4. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
  5. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
  6. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR A TITLE POLICY.
  7. NO WATER SOURCE FOUND ON THE PROPERTY AT THIS TIME.

CERTIFIED TO:  
ZACHARY A. MEARS  
TITLE OFFICES, LLC  
ALLIANCE TITLE OF AMERICA, INC.

FIELD BOOK: SEE PAGE(S): FILE

#### SURVEYOR'S CERTIFICATION:

I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

12/27/02 12/31/02  
FIELD SURVEY DATE DRAWING DATE

NOTE: UNLESS IT BEARS THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER THIS DRAWING, SKETCH, PLAT OR MAP IS FOR INFORMATIONAL PURPOSES ONLY AND IS NOT VALID.



**BRITT SURVEYING**  
LAND SURVEYORS AND MAPPERS

830 WEST DUVAL STREET  
LAKE CITY, FLORIDA 32055

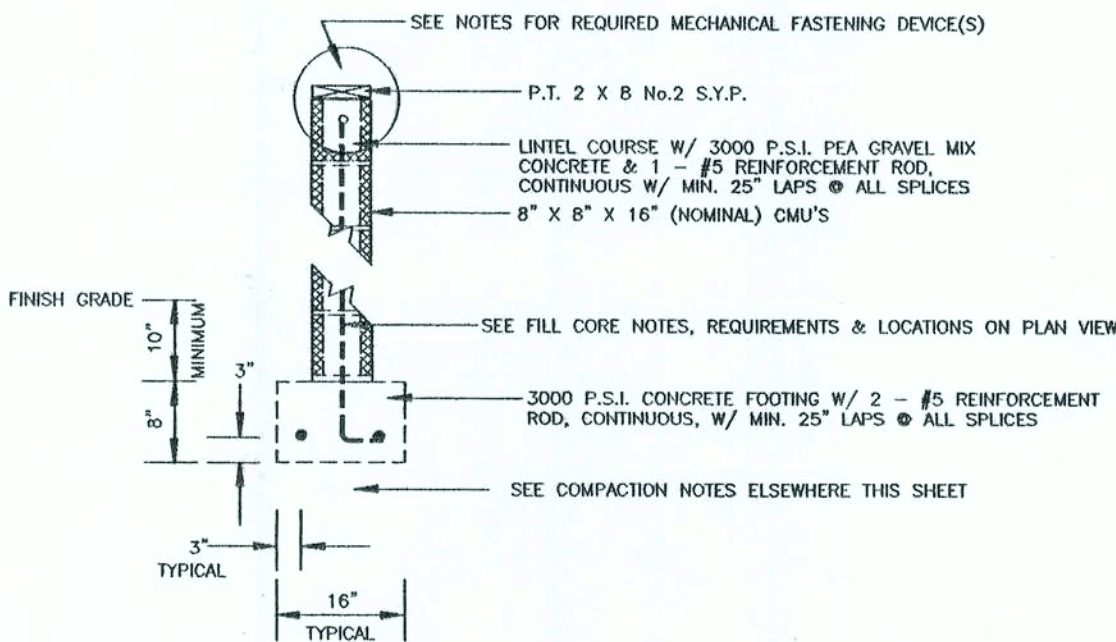
TELEPHONE: (386) 752-7163 FAX: (386) 752-5573 WORK ORDER # L-13316

NOTE: THE CONTRACTOR IS DIRECTED TO REVIEW ALL CONSTRUCTION DRAWINGS & SPECIFICATIONS FOR ACCURACY & COMPLETENESS. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OF RECORD FOR RESOLUTION & CLARIFICATION. CONTRACTOR SHALL CONFORM ALL EXISTING SOIL & ANY OTHER CONDITIONS OF WHICH MAY AFFECT / EFFECT THE STRUCTURAL INTEGRITY OF THIS PROJECT.

SCALE NOTE:  
PLAN VIEWS: 1/4" = 1'-0"  
DETAILS & SECTIONS: N.T.S.

FOUNDATION NOTES REQUIREMENTS & INSTRUCTIONS	
MASONRY UNITS	ALL MASONRY UNITS DESCRIBED AS 8" X 8" X 16" CMU'S SHALL BE HOLLOW CONCRETE UNITS IN ACCORDANCE W/ ASTM C 90 OR C 145 AND SHALL HAVE A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 P.S.I. MASONRY DIMENSIONAL STEM WALLS SHALL BE RUNNING BOND CONSTRUCTION.
MORTAR	ALL MORTAR SHALL BE EITHER TYPE M OR S IN ACCORDANCE W/ ASTM C 270. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. PLACED AT AN 8 TO 11 INCH SLUMP AND HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 P.S.I. @ 28 DAYS WHEN TESTED IN ACCORDANCE W/ ASTM C 1019, OR SHALL BE IN ACCORDANCE W/ ASTM C 476. ALL CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 P.S.I. @ 28 DAYS. ALL MORTAR JOINTS FOR HOLLOW UNIT MASONRY SHALL EXTEND THE FULL WIDTH OF FACE SHELLS. ALL BED JOINTS SHALL BE 3/8 INCH THICK. HEAD JOINTS SHALL BE 5/8 INCH THICK. THE BED JOINT OF THE STARTING COURSE PLACED OVER FOOTINGS SHALL BE PERMITTED TO VARY IN THICKNESS FROM A MINIMUM OF 1/4" TO A MAXIMUM OF 3/4".
REINFORCING STEEL	REINFORCING STEEL SHALL BE #5 UNLESS OTHERWISE NOTED. ALL REINFORCING STEEL SHALL BE A MINIMUM OF GRADE 40 AND IDENTIFIED IN ACCORDANCE W/ ASTM A 615, A 616, A 617, OR A 706. SPICES SHALL BE LAP SPICES W/ A MINIMUM LAP OF 25" FOR #5 REINFORCEMENT BARS. FOR MINIMUM COVER OVER FOUNDATION REINFORCEMENT - SEE DETAILS & SECTIONS THIS SHEET. ALL REINFORCEMENT IN CMU'S IS TO EXTEND A MINIMUM OF 6" INTO ALL FOOTINGS W/ A STANDARD BEND OF 6".
METAL ACCESSORIES	ALL JOINT REINFORCEMENT & ANCHOR TIES SHALL CONFORM TO ASTM A 62, ASTM A 36, & ASTM A 365 AS REQUIRED. LONGITUDINAL WIRES OF JOINT REINFORCEMENT SHALL BE FULLY ENCASED IN MORTAR OR GROUT WITH A MINIMUM COVER OF 5/8 INCH WHEN EXPOSED TO EARTH OR WEATHER, AND A MINIMUM OF 1/2 INCH WHEN NOT EXPOSED TO EARTH OR WEATHER. METAL ACCESSORIES USED IN EXTERIOR WALL CONSTRUCTION (NOT DIRECTLY EXPOSED TO WEATHER) SHALL BE GALVANIZED IN ACCORDANCE W/ ASTM A 153, CLASS B-2. METAL ACCESSORIES FOR USE IN INTERIOR WALL CONSTRUCTION SHALL BE MILL GALVANIZED IN ACCORDANCE W/ ASTM A 641, CLASS 1.
FILL COMPACTION	PRIOR TO GRADING OPERATIONS ALL SOIL, ORGANIC LITTER AND FILL SHALL BE STRIPPED FROM THE BUILDING AREA. COMPACTION SHALL NOT BE LESS THAN 90% OF THE STANDARD PROCTOR DENSITY. ALL FILL MATERIAL SHALL BE INORGANIC W/ NOT MORE THAN 30% BY WEIGHT FINER THAN No. 200 U.S. STANDARD SIEVE CONFORMING TO THE FOLLOWING: A. LOOSE UNIT WEIGHT - 100 LBS. PER CU. YD. B. ELASTICITY, LW - 15, MAXIMUM. C. OR UNIT WEIGHT - 100 LBS. PER CU. FT. ALL FILL MATERIAL SHALL BE UNIFORMLY PLACED AT OPTIMUM MOISTURE CONTENT IN 6 INCH UNIFORM LAYERS AND COMPACTED TO A DENSITY OF 98% OF THE STANDARD PROCTOR AND IN ACCORDANCE W/ ASTM D 998. FOOTING/EXCAVATIONS SHALL BE INSPECTED BEFORE PLACING ANY CONCRETE TO ENSURE THAT FOOTINGS SHALL REST ON SOUND EARTH. ALL SUB GRADES MUST BE LEVEL, SMOOTH AND UNIFORMLY COMPACTED. SLAB GRADE MUST BE ACCURATE WITHIN 1/4 INCH OF THE DESIGNATED LEVEL. ANY WALKWAYS TO BE LOCATED BACK FILL ON BOTH SIDES SHALL HAVE THE BACK FILL PLACED SIMULTANEOUSLY ON BOTH SIDES IN EVEN LAYERS AS PREVIOUSLY DESCRIBED SO AS NOT TO APPLY UNEVEN LOADS.
GENERAL	FOOTINGS SHALL BE LEVEL OR STEEPED AS INDICATED ON THE PLAN VIEWS & DETAILED ELSEWHERE THIS SHEET. SOIL, WASTE PIPES OR BUILDING DRAINS PASSING UNDER A FOOTING OR THROUGH A FOUNDATION STEM WALL SHALL BE PROVIDED W/ A RELIEVING ARCH OR AN IRON PIPE SLEEVE A MINIMUM OF TWO PIPE SIZES GREATER THAN THE PIPE PASSING THROUGH. STEM WALLS SHALL EXTEND NO GREATER THAN 3 FEET ABOVE THE FINISH GRADE AND CONSTRUCTED WITH THE PREVIOUSLY DESCRIBED MASONRY UNITS. ALL STATE & LOCAL CODES SHALL BE COMPLIED WITH BY THE CONTRACTOR. 1,200 P.S.F. SOIL BEARING PRESSURE SHALL BE OBTAINED UNDER ALL FOOTINGS & SLABS.

NOTE: CONTRACTOR SHALL PROVIDE A MINIMUM TOTAL AREA OF 13.1 S.F. OF "CRAWL SPACE" VENTILATION, EQUALLY SPACED ALONG THE PERIMETER 8" CMU WALL, FITTED W/ CORROSION PROOF WIRE MESH, INSECT & VERMIN PROOF SCREENING.  
THE CONTRACTOR SHALL PROVIDE A MINIMUM ACCESS OF 18" W. X 24" H., LOCATED @ THE DIRECTION OF THE OWNER IN THE 8" CMU PERIMETER WALL.

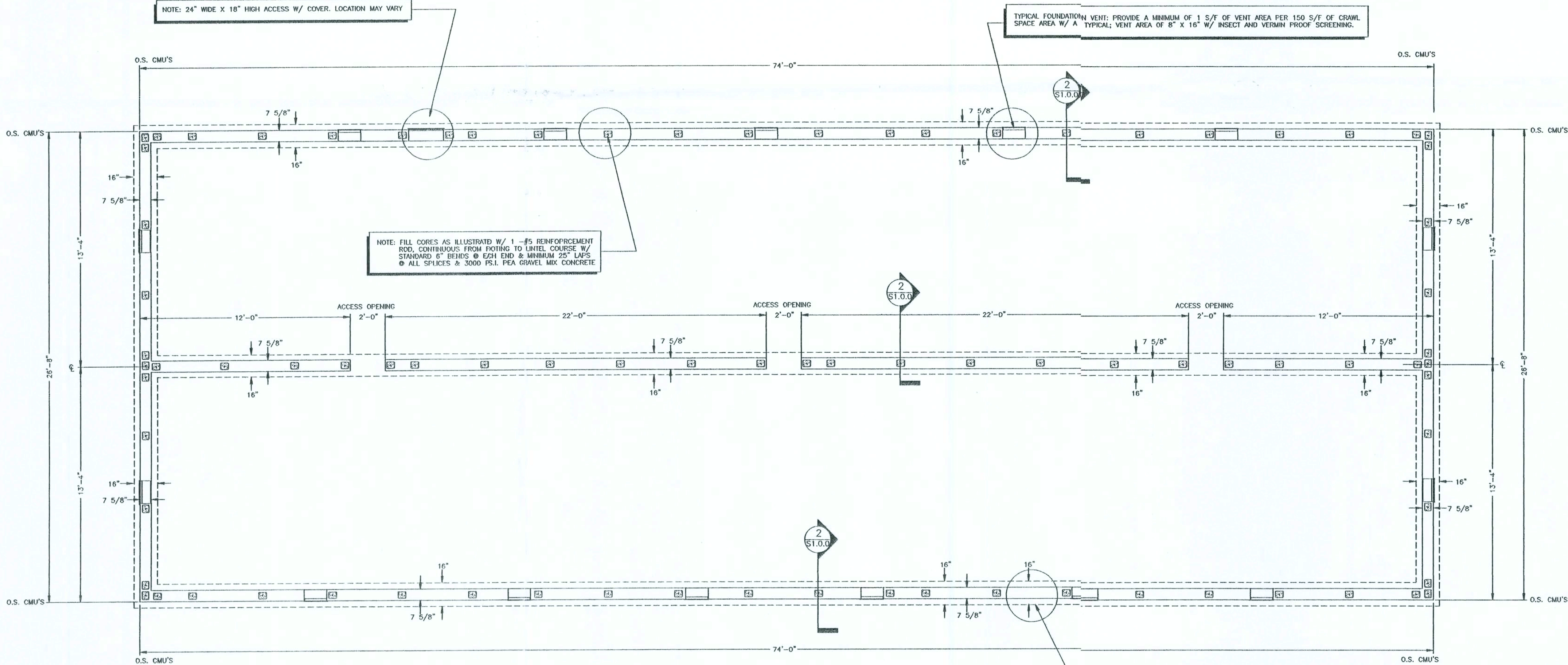


2 SECTION THRU TYPICAL EXTERIOR/INTERIOR STEM WALL  
S1.0.0

NOTE: CONTRACTOR SHALL PROVIDE A MINIMUM OF "CRAWL SPACE" VENTILATION AS ILLUSTRATED ON THE PLAN VIEW ELSEWHERE THIS SHEET ALONG THE PERIMETER 8" CMU WALL, FITTED W/ INSECT & VERMIN PROOF SCREENING.  
THE CONTRACTOR SHALL PROVIDE A MINIMUM ACCESS OF 18" W. X 24" H., LOCATED @ THE DIRECTION OF THE OWNER IN THE 8" X 16" (NOM.) CMU PERIMETER WALL.

TYPICAL FOUNDATION VENT: PROVIDE A MINIMUM OF 1 S.F. OF VENT AREA PER 150 S.F. OF CRAWL SPACE AREA W/ A TYPICAL VENT AREA OF 8" X 16" W/ INSECT AND VERMIN PROOF SCREENING.

SCHEDULE OF REQUIRED FOUNDATION SYSTEM MECHANICAL FASTENERS	
FOUNDATION STEMS/WALLS	LOCATION OF 1/2" A307 ANCHOR BOLTS: SEE PLAN VIEWS 1 - 1/2" A307 STEEL ANCHOR BOLT SHALL BE INSTALLED @ 6" FROM ALL CORNERS, THE BEGINNING OR END OF ALL SHEARWALL SEGMENTS & AND 6'-0" O.C. MAXIMUM @ THE PERIMETER EXTERIOR CONDITIONED WALL(S) ATTACHING THE P.T. 2 X 8 SILL PLATE TO TOP OF CMU STEM WALL REFER TO REFERENCED SECTIONS & DETAILS COORDINATING W/ PLAN VIEWS
INTERIOR/PERIMETER	NOTE: ATTACHMENT OF P.T. 2 X 10 FLOOR JOISTS AS ILLUSTRATED ON PLAN VIEW BY OTHERS - REFER TO MANUFACTURED DWELLING PLANS BY OTHERS LOCATIONS OF ATTACHMENT TO EXTERIOR PERIMETER BAND BEAM/JOISTS AS DESCRIBED BELOW: 1 - MODEL No. A35 BY SIMPSON STRONG-TIE OR EQUIV. SHALL BE INSTALLED ALONG THE EXTERIOR/PERIMETER JOISTS TO P.T. SILL PLATE @ ALL CORNERS, 16" FROM ALL CORNERS & 16" O.C. (MAXIMUM) & SHALL BE INSTALLED W/ MIN. 12 - 6d X 1 1/2" NAILS PER DEVICE
NOTES:	SEE ALSO FOUNDATION NOTES & REQUIREMENTS



1 DIMENSIONED FOUNDATION PLAN VIEW  
S1.0.0

CERTIFICATION:  
THESE FOUNDATION PLANS FOR THE 08-E5307M MODEL WILL COMPLY WITH SECTION 1600 OF THE FLORIDA BUILDING CODE, 2004 EDITION FOR A 110 MPH WIND LOAD, 3 SECOND GUST, EXPOSURE B, WITH THE INTERNAL PRESSURE OF + 0.18 AND - 0.18 INCLUDED IN THESE LOADS.

Curtis E. Keen 11/27/06  
CURTIS E. KEEN, PE #23836

# GENERAL NOTES:

1. THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
2. CONSTRUCTION TYPE: VB UNPROTECTED
3. DESIGNED FLOOR LIVE LOAD: 40 P.S.F.
4. DESIGNED ROOF LIVE LOAD: 20 P.S.F.
5. DESIGNED WIND VELOCITY: 130 MPH, EXP 3"
6. MIN. HALLWAY WIDTH IS 36"
7. ALL GLASS IN DOORS, SIDELIGHTS, TUB, SHOWER ENCLOSURES SHALL BE SAFETY GLAZED.
8. INTERIOR DOORS SHALL BE UNDERCUT 1" A.F.F. OR EQUAL RETURN AIR GRILLS INSTALLED.
9. ALL SUPPLY AIR REGISTERS SHALL BE ADJUSTABLE.
10. OCCUPANCY CLASSIFICATION: RESIDENTIAL
11. THESE PLANS COMPLY WITH RULE 9B-72 (PRODUCT APPROVAL)
12. THE RAISED SEAL SET OF PLANS ARE ON FILE IN THE THIRD PARTY AGENCY'S OFFICE AS DIRECTED BY DCA.

## ELECTRICAL NOTES:

1. ALL VENT FANS SHALL EXTEND TO THE EXTERIOR OF THE BUILDING. (THIS EXCLUDES A CHARCOAL VENT RANGE HOOD)
2. BATHROOM VENT FANS SHALL PROVIDE 50 CFM.
3. LIGHTING PROVIDED IN CLOSETS SHALL BE 18" MIN. FROM SHELVING.
4. CEILING FANS SHALL BE INSTALLED WITH BADES NO LOWER THAN 7'-0" A.F.F.

## THERMAL ZONE:

CEILING: R-33  
WALLS: R-19  
FLOOR: R-11

## WIND BOURNE PROTECTION OF DEBRIS

SECURE 7/16" MIN. OSB OR PLYWOOD PANELS INTO THE SUPPORT FRAMING ON EACH SIDE OF THE OPENING WITH #8x3" SCREWS @ 12" OC. 96" MAXIMUM OPENING SPANS (SEE R301.2.1.2 OF THE 2004 IBC)

## ATTENTION LOCAL INSPECTIONS DEPARTMENT:

\*\*\*\*\* REFER TO THE MODULAR DATA SHEET FOR ITEMS SUBJECT TO LOCAL INSPECTION \*\*\*\*\*

- A. LATERAL & VERTICAL CONNECTION = PG. 10 (SET-UP MANUAL)
- B. ROOF SET-UP & CONNECTION = PG. 10 (SET-UP MANUAL)
- C. VERTICAL & HORIZONTAL PLUMBING CONNECTION BETWEEN MODULES = PG. 12 (SET-UP MANUAL)
- D. VERTICAL & HORIZONTAL MECHANICAL CONNECTION = PG. 13 (SET-UP MANUAL)
- E. ELECTRICAL CONNECTION BETWEEN MODULES = PG. 14 (SET-UP MANUAL)
- F. FIRE STOPPING & ELIMINATION OF AIR INFILTRATION = PG. 10.2 (SET-UP MANUAL)

# PLUMBING NOTES:

1. TUB ACCESS SHALL BE PROVIDED FROM UNDER UNIT UNLESS OTHERWISE SPEC.
2. SHOWERS SHALL HAVE WATERPROOF WALL MATERIAL TO A HEIGHT OF 6'-0" A.F.F. MIN.
3. ALL SHOWER HEADS SHALL HAVE A MAX. FLOW RATE OF 2.5 G.P.M.
4. ALL FIXTURES ARE PROVIDED WITH SHUT-OFF VALVES.
5. THE COLD WATER BRANCH LINE SERVING THE WATER HEATER WITH LOCKOUT SHALL BE PROVIDED WITH SHUT-OFF VALVE.
6. WHEN POLYETHYLENE SUPPLY PIPING IS USED A MIN. 6" METAL PIPE IS PROVIDED BETWEEN THE HOT WATER SUPPLY AND WATER HEATER WITH LOCKOUT.
7. WATER HEATER WITH LOCKOUT SHALL BE PROVIDED WITH APPROVED TEMP. & PRESSURE RELIEF VALVE & HAVE A MAX. TEMP. SETTING OF 210 DEG. F°

## Florida Codes

2002 NATIONAL ELECTRICAL CODE  
2004 FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION WITH 2005 SUPPLEMENTS  
2004 FLORIDA RESIDENTIAL CODE WITH 2005 SUPPLEMENTS

## DUCT LAYOUT

MINIMUM DUCT THICKNESS = 0.013 / EQUIV LENT GALVANIZED GAGE NO. = 30  
HVAC SYSTEM IS DESIGNED AND INSTALLED BY OTHERS AND SUBJECT TO LOCAL REVIEW AND APPROVAL

# ATTENTION LOCAL INSPECTIONS DEPT.

The following items have not been completed by CAVALIER HOMES, have not been inspected by NTA Inc., and are not certified by the Florida Modular Label. Code compliance must be determined at the local level.

1. Electrical fixture ( ceiling fans) inst.
2. Heat pump to include cross-over connections.
3. Chimney termination completion.
4. Storm Doors
5. V-Box for heating system installed by others.
6. Dryer vent installed on site.
7. Flood-lights
8. Main trunk of H.V.A.C. along with branch ducts to register boots to be completed on-site for off-frame only.

Const. Type:	VB
Occupancy:	R3
Allowable No. of Units:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MT-3359-3842-3888-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY  
NTA INC.

CAVALIER HOME BUILDERS LLC.  
MILLEN DIVISION  
P.O. BOX 630  
206 MAGNOLIA STREET.  
MLLEN, GA. 30442

CONTACT NAME: SCOTT LEE  
PHONE NO. 1-478-982-4000  
FAX. NO. 1-478-982-4394

CAVALIER HOME BUILDERS LLC.  
ADDISON DIVISION  
P.O. BOX 540  
32 WILSON BLVD.100  
ADDISON, AL. 35540  
CONTACT NAME: JOHNNY WOOTEN  
PHONE NO. 1-256-747-1575  
FAX. NO. 1-256-747-2344

# EXTERIOR ELEVATION NOTES:

## ATTIC VENTILATION:

CEILING INLET: (74X26.7)X144 = 284,515 sq. in.  
REQUIRED INLET AREA: (5X284,515)300 = 474  
PROVIDED INLET AREA: (74X2)36.185 = 915 sq. in.  
915 sq. in. > 474 sq. in. therefore ok.  
REQUIRED OUTLET AREA: (5X284,515)300 = 474  
474/150 = 3.2 >> 4 VENTS REQ'D  
PROVIDED OUTLET AREA: 150 sq. ft. PER POP VENT  
4 X 150sq. in. = 600  
600 sq. in. > 474 sq. in. therefore ok.

## FLORIDA STRUCTURAL LOAD LIMITATIONS: (FBC 1606.1.7)

FLOOR LIVE LOAD:  
40 PSF  
ROOF LIVE LOAD:  
20 PSF  
ROOF SNOW LOAD:  
NOT APPLICABLE  
CONSTRUCTION TYPE: VB  
OCCUPANCY: R3  
FIRE RATING OF EXT. WALLS: 0  
HIGH VELOCITY HURRICANE ZONE: NO  
SEISMIC LOAD: NOT APPLICABLE  
WIND LOAD:  
A. 130 MPH WIND SPEED.  
B. W = 1.0 WIND IMPORTANCE FACTOR.  
C. C = 1 WIND EXPOSURE CATEGORY.  
D. GCF = 0.95 INTERNAL PRESSURE COEFFICIENT.  
E. Pw = 49.3 PSF EXTERIOR ZONE WALL COMPONENT & CLADDING LOAD.  
F. Pw = 82.9 PSF EXTERIOR ZONE ROOF COMPONENT & CLADDING LOAD.  
G. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT.  
FLOOD LOAD:  
THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A FLOOD HAZARDOUS AREA.

CAVALIER HOME BUILDERS LLC.  
HAMILTON DIVISION  
P.O. BOX 1418  
330 BUCCANEER ST.  
HAMILTON, AL. 35570  
CONTACT NAME: DOUG CARPENTER  
PHONE NO. 1-205-921-3135  
FAX. NO. 1-205-921-6538

DATE: 11/15/2006 CERT. NO. SMP-015

PLAN NUMBER MT-3359-3842-3888-E5307M

APPROVED BY CHARLES A. OSTERDAY, JR.  
Charles A. Osterday Jr.  
(signature)

PL LIC # 41622

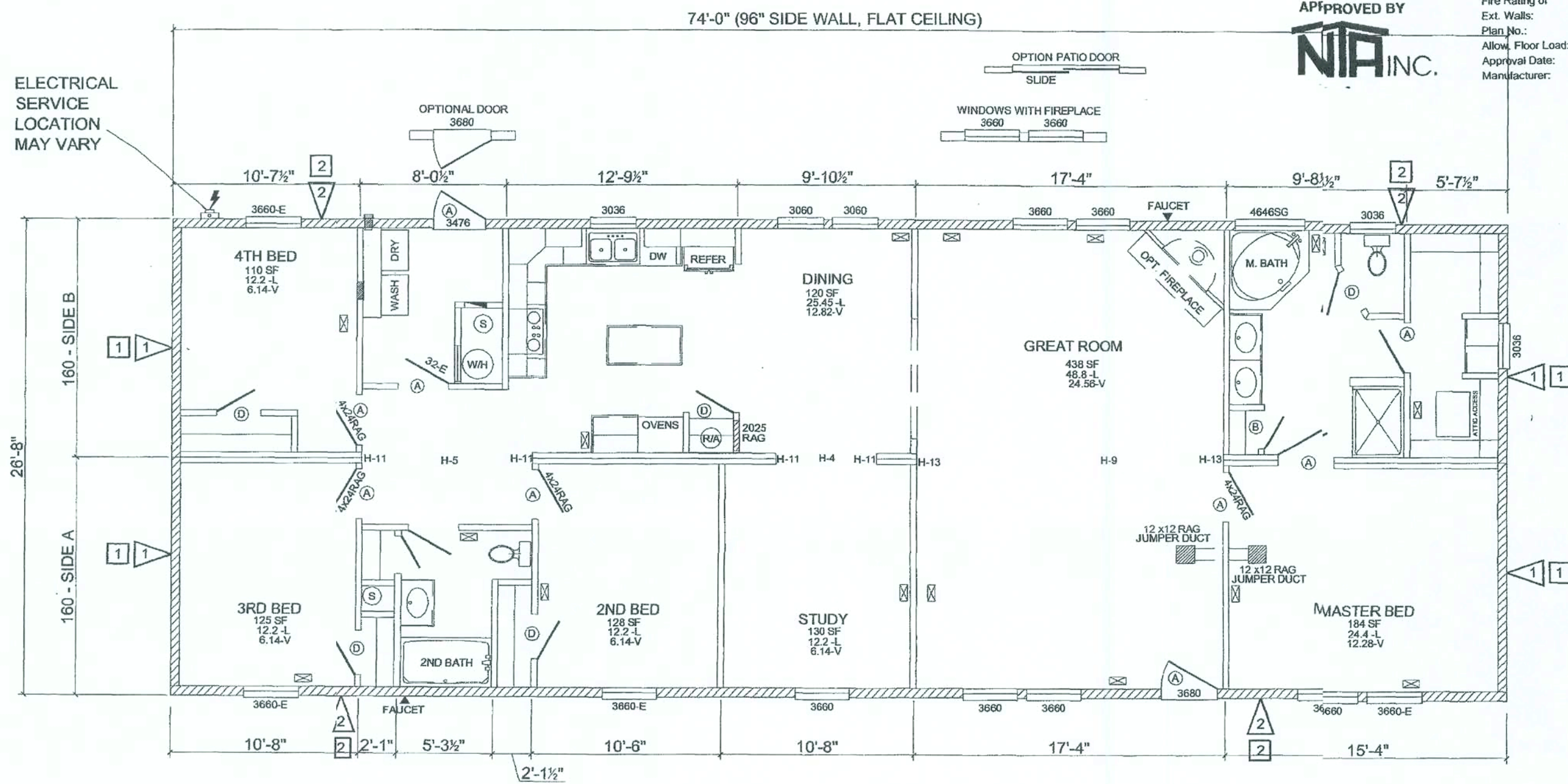
MODEL # E5307M

GENERAL NOTES 1 OF 11

OFFICE COPY

DOOR R.O.  
 A = 33 1/2"  
 B = 25 3/4"  
 C = 37 1/2"  
 D = 29 1/2"  
 E = 70" X 78"  
 F = 34-1/2"

ELECTRICAL  
 SERVICE  
 LOCATION  
 MAY VARY



These prints comply with the  
 Florida Manufactured Building  
 Act and adopted Codes and  
 adhere to the following criteria:

APPROVED BY  
**NIA INC.**

Const. Type: VB  
 Occupancy: R3  
 Allowable No. of Floors: One (1)  
 Wind Velocity: 130 MPH  
 Fire Rating of Ext. Walls: 0 hr  
 Plan No.: MFT-3359-3642-3986-E5307M  
 Allow. Floor Load: 40 PSF  
 Approval Date: 11/15/2006  
 Manufacturer: Cavalier Home Builders

**130 MPH SHEARWALL SHEATHING NOTES**

- 1 USE 3/8" SHEATHING W/ 8d NAILS @ 4" OC EDGE & 12" OC FIELD SPACING (ENDWALL).
- 2 USE 3/8" SHEATHING W/ 8d NAILS @ 6" OC EDGE & 12" OC FIELD SPACING (SIDEWALL).
- 1 USE PLYWOOD STRIP W/ 8d NAILS @ 2" OC (ENDWALL)
- 2 USE PLYWOOD STRIP W/ 8d NAILS @ 6" OC (SIDEWALL)

DOOR SCHEDULE				
	DUNBARTON 8-PANEL (STORM DOOR) U-VALUE = 0.50 / R-VALUE = 2.00			
	DUNBARTON 9-LITE (STORM DOOR) U-VALUE = 0.50 / R-VALUE = 2.00			
SLIDING GLASS DOOR				
	MILBONE PRODUCTS - R.O. = 80 3/4" X 71 1/4" / LIGHT = 34.37 VENT = .03 CFM/FT SQ.			
KINRO WINDOW SCHEDULE - SERIES 9750				
SIZE	ROUGH OPENING	GLASS/VENT EQ. SASH	MAX. ALLOWABLE ROOM SIZE EQ. SASH	
SH2460	24 1/4" X 60 1/4"	7.69 3.93	56.13	
SH6436	64 1/4" X 36 1/4"	12.08 2.29	57.00	
SH3660	36 1/4" X 60 1/4"	12.2 6.14	152.50	
SH3060	30 1/4" X 60 1/4"	9.95 5.03	124.36	
SH3036	30 1/4" X 36 1/4"	5.55 2.76	69.00	
SH4648	46 1/2" X 46 1/2"	13.17 0.00	199.50	

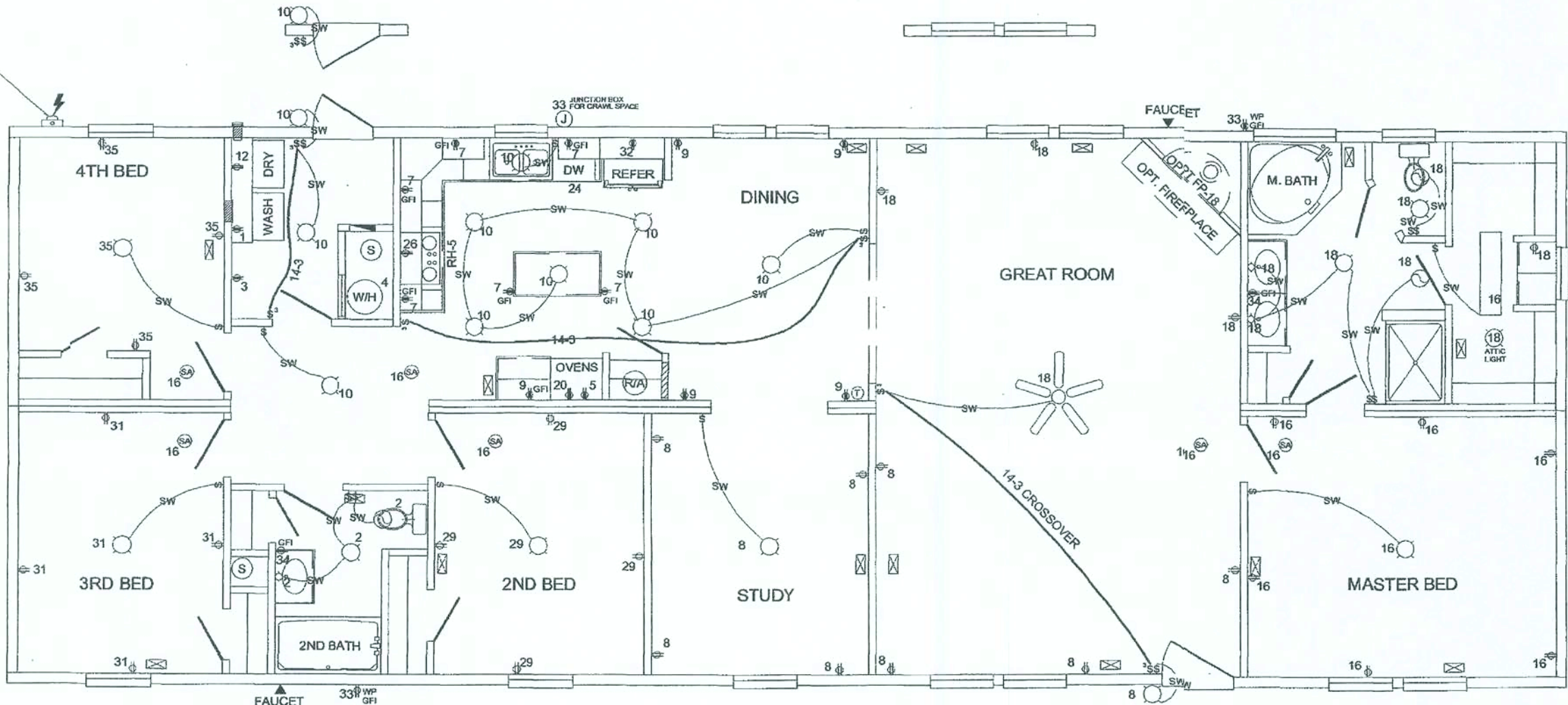
HEADER SPECIES	
H-1	= WINDOW HEADER (2) 2X6S #3 SYP
H-2	= WINDOW HEADER (3) 2X6S #3 SYP
H-3	= WINDOW HEADER (2) 2X6S #2 SYP
H-4	= RIDGE BEAM 1.2" X 6.375" LVL MASTER PLANK
H-5	= RIDGE BEAM 1.2" X 10" LVL MASTER PLANK
H-6	= RIDGE BEAM 1.2" X 11.875" LVL MASTER PLANK
H-7	= RIDGE BEAM 1.2" X 14" LVL MASTER PLANK
H-8	= RIDGE BEAM 1.2" X 16" LVL MASTER PLANK
H-9	= RIDGE BEAM 1.2" X 18" LVL MASTER PLANK
H-10	= (2) COLUMN STUDS #2 S.P.F. TO EQUAL 2:1 - M.B.L.
H-11	= (3) COLUMN STUDS #2 S.P.F. TO EQUAL 4:1 - M.B.L.
H-12	= (4) COLUMN STUDS #2 S.P.F. TO EQUAL 5:1 - M.B.L.
H-13	= (5) COLUMN STUDS #2 S.P.F. TO EQUAL 7:1 - M.B.L.

08-E5307M - 78x28-4BR 2Bath

Scale	N.T.S.	Project	SL
Drawn		Page No.	2 of 11
<b>MODULAR</b>			
<b>MODEL PLAN</b>			
Cavalier Home Builders			

ELECTRICAL SCHEDULE / 200 AMP SERVICE					ELECTRICAL SCHEDULE / 200 AMP SERVICE				
CIR. NO.	DESCRIPTION	BREAKER AMP.	VOLTS	COPPER WIRE	CIR. NO.	DESCRIPTION	BREAKER AMP.	VOLTS	COPPER WIRE
1	WASHER	20	120	12/2	18	* GENERAL LIGHTING / ARC FAULT	15	120	14/2
2	GENERAL LIGHTING	15	120	14/2	20	OVEN	30	240	10/3
3	FREEZER	20	120	12/2	24	DISHWASHER	15	120	14/2
4	WATER HEATER WITH LOCKOUT	30	240	10/2	26	* RANGE/SURFACE UNIT	40	240	8/5
5	MICROWAVE	20	120	12/2	28	* GENERAL LIGHTING / ARC FAULT	15	120	14/2
7	GROUND FAULT INTERRUPTED - KIT.	20	120	12/2	31	* GENERAL LIGHTING / ARC FAULT	15	120	14/2
8	GENERAL LIGHTING	15	120	14/2	32	REFER	15	120	14/2
9	GROUND FAULT INTERRUPTED -KIT.	20	120	12/2	33	EXTERIOR GFI	20	120	12/2
10	* GENERAL LIGHTING / ARC FAULT	15	120	14/2	34	BATH GFI	20	120	12/2
12	DRYER	30	240	10/3	35	* GENERAL LIGHTING / ARC FAULT	15	120	14/2
16	* GENERAL LIGHTING / ARC FAULT	15	120	14/2	36	BLANK	20	120	12/2

ELECTRICAL SERVICE LOCATION MAY VARY



These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY  
**NIA INC.**

Const. Type: VB  
Occupancy: R3  
Allowable No. of Floors: One (1)  
Wind Velocity: 130 MPH  
Fire Rating of Ext. Walls: 0 hr  
Plan No.: MFT-3359-3642-3986-E5307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/15/2006  
Manufacturer: Cavalier Home Builders

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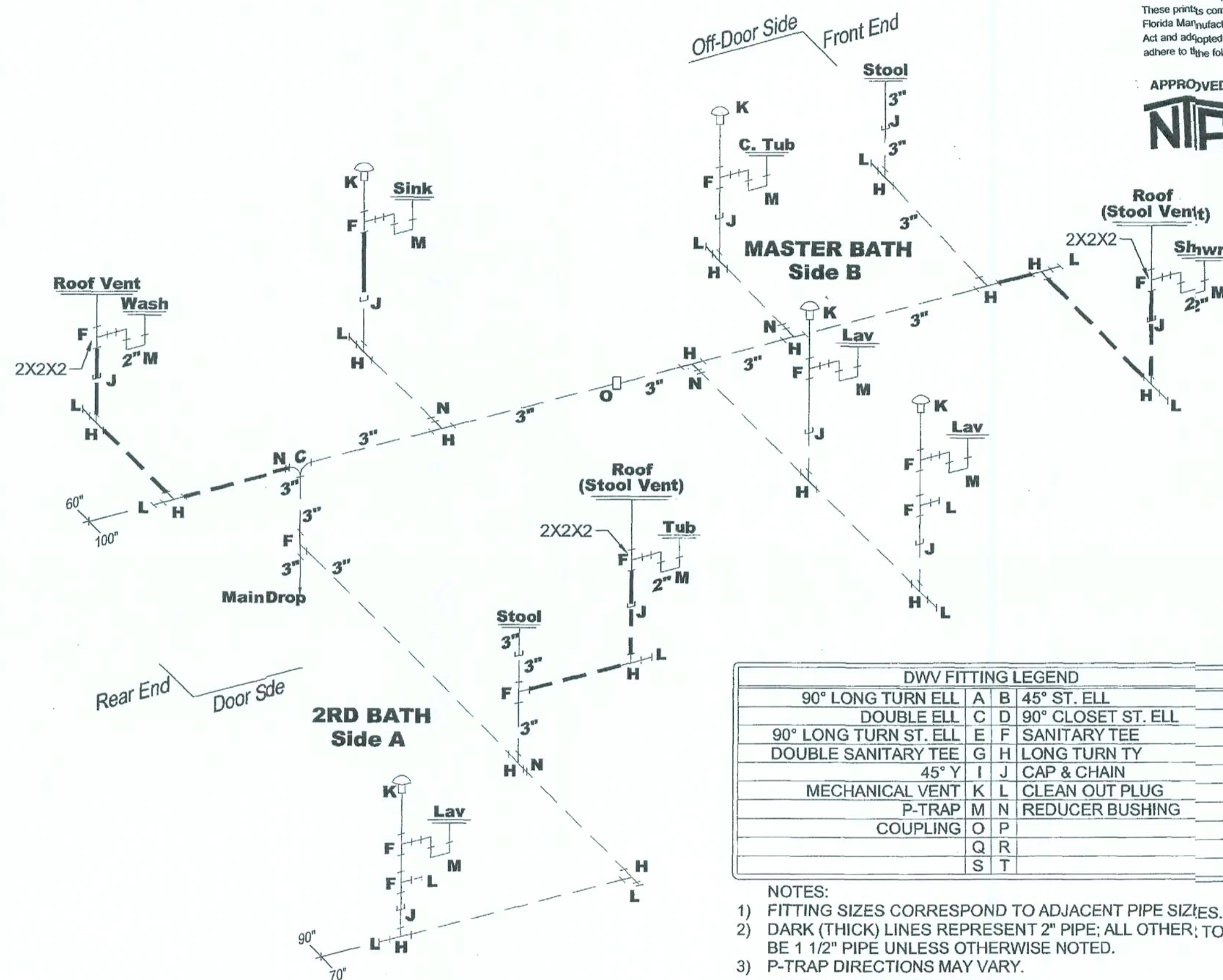
ELECTRICAL DEVICES	
⊞	= DUPLEX OUTLET ON 15 AMP CIRCUIT
⊞	= DUPLEX OUTLET ON 20 AMP CIRCUIT
⊞	= DUPLEX OUTLET ON GFI CIRCUIT
⊞	= EXTERIOR OR WET LOCATION OUTLET
⊞	= SWITCH
⊞	= DOUBLE GANG SWITCH
⊞	= CEILING MOUNTED LIGHT FIXTURE
⊞	= WALL MOUNTED LIGHT FIXTURE
⊞	= EXHAUST FAN
⊞	= SMOKE ALARM W/ BATTERY BACK-UP (INTERCONNECTED)
⊞	= THERMOSTAT
⊞	= MAIN DISTRIBUTION PANEL
⊞	= FLOURESCENT LIGHT
⊞	= JUNCTION BOX
*	= ARC FAULT RECEPT.

08-E5307M - 78x28-4BR 2Bath

scale: N.T.S. MODULAR  
date: 11/15/2006  
drawn by: SL  
page no: 3 of 11

**ELEC. PLAN**

Cavalier Home Builders



These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY  
**NIA INC.**

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

DWV FITTING LEGEND			
90° LONG TURN ELL	A	B	45° ST. ELL
DOUBLE ELL	C	D	90° CLOSET ST. ELL
90° LONG TURN ST. ELL	E	F	SANITARY TEE
DOUBLE SANITARY TEE	G	H	LONG TURN TY
45° Y	I	J	CAP & CHAIN
MECHANICAL VENT	K	L	CLEAN OUT PLUG
P-TRAP	M	N	REDUCER BUSHING
COUPLING	O	P	
	Q	R	
	S	T	

- NOTES:
- 1) FITTING SIZES CORRESPOND TO ADJACENT PIPE SIZES.
  - 2) DARK (THICK) LINES REPRESENT 2" PIPE; ALL OTHER; TO BE 1 1/2" PIPE UNLESS OTHERWISE NOTED.
  - 3) P-TRAP DIRECTIONS MAY VARY.
  - 4) DOTTED LINES REPRESENT SITE INSTALLED PLUMBING.
  - 5) MECHANICAL VENTS INSTALLED ON SITE BY OTHERS, GEORGIA ONLY.

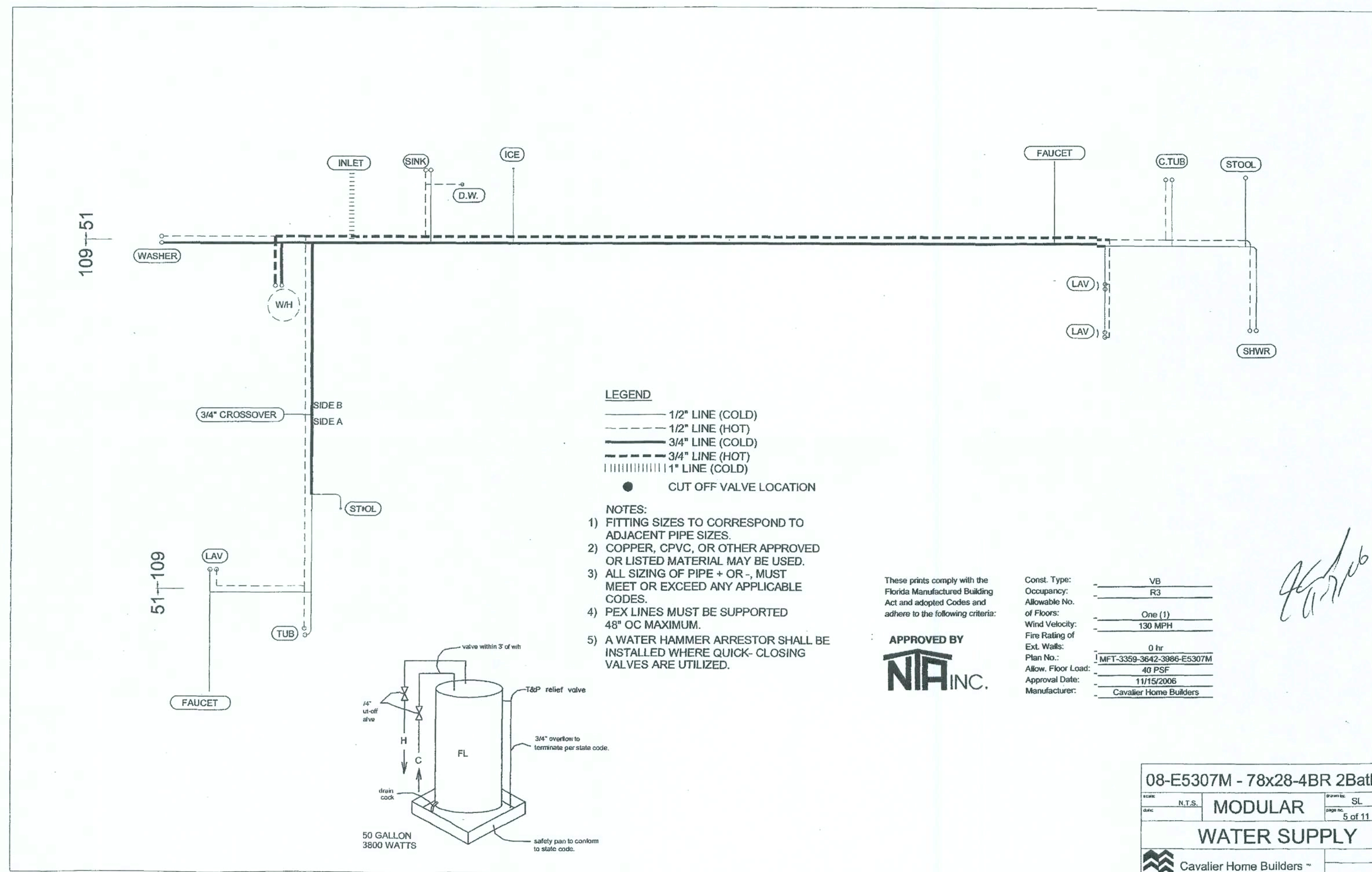
08-E5307M - 78x28-4BR 2Bath

Scale	N.T.S.	MODULAR	SL
Page			4 of 11

**D.W.V. SUPPLY**

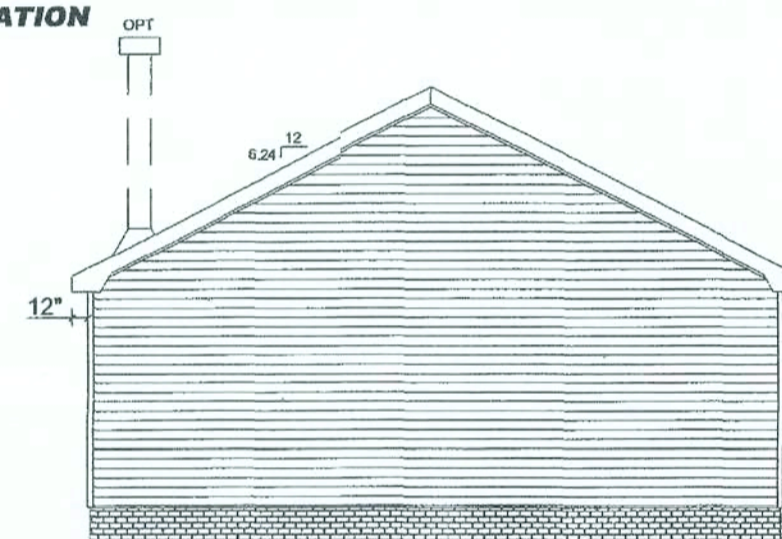
Cavalier Home Builders

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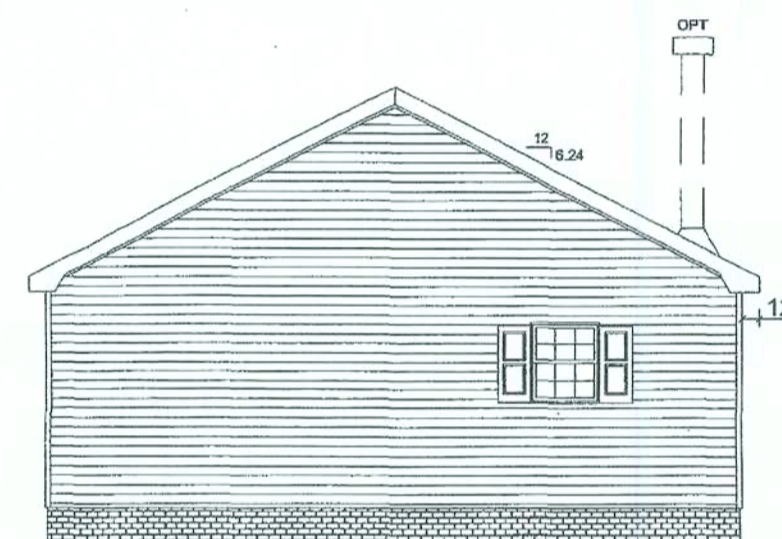




REAR ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



FRONT ELEVATION

**Cavalier Home Builders**  
**MODEL: 08-E5307-M - 28x78**  
**4-BEDROOM / 2-BATH**  
**STANDARD 7:12 ROOF PITCH**

These prints comply with the  
 Florida Manufactured Building  
 Act and adopted Codes and  
 adhere to the following criteria:

APPROVED BY  
**NIA INC.**

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

EXTERIOR MATERIALS:  
 1. EXTERIOR WALL FINISH: VINYL SIDING  
 2. SOFFIT FINISH: VINYL SOFFIT  
 3. ROOF COVERING: SHINGLES

08-E5307M - 78x28-4BR 2Bath

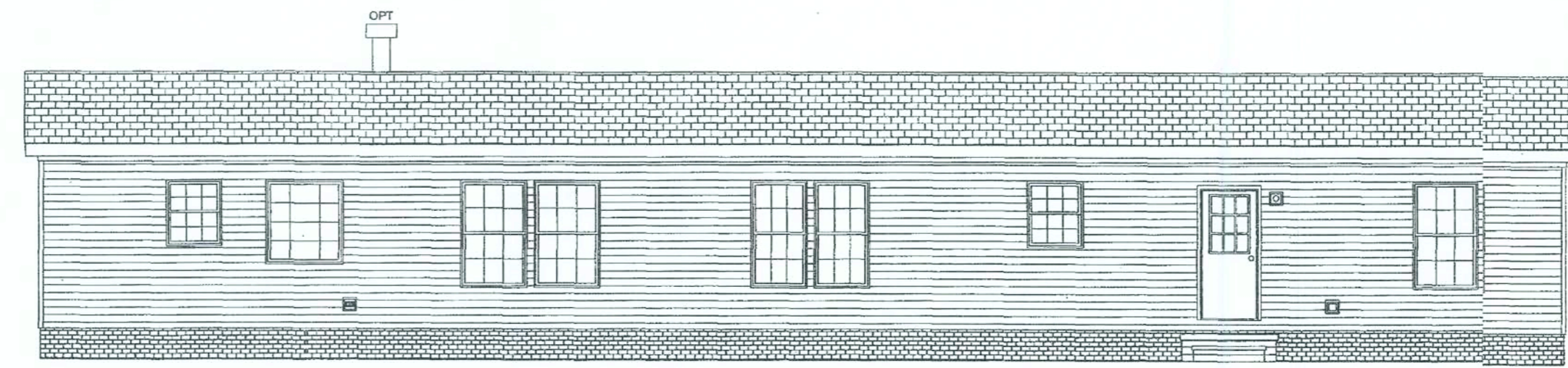
DATE:	N.T.S.	SCALE:	SL
MODULAR		7 of 11	

OPTION  
 EXTERIOR ELEVATIONS

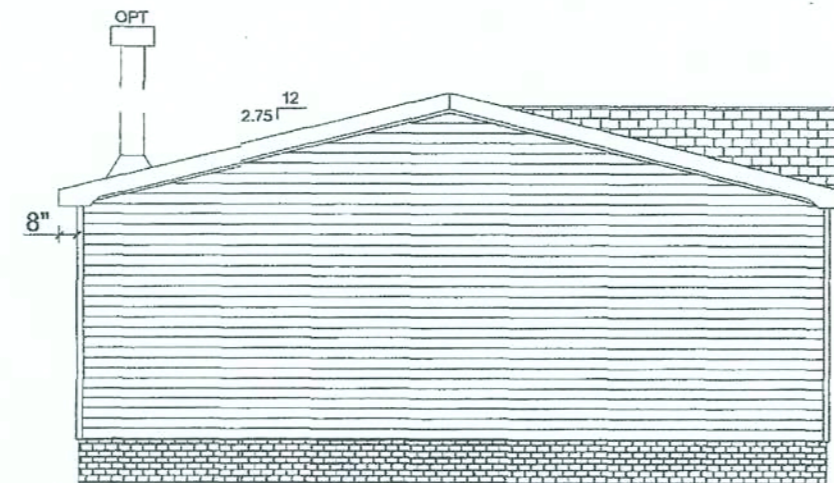
Cavalier Home Builders™

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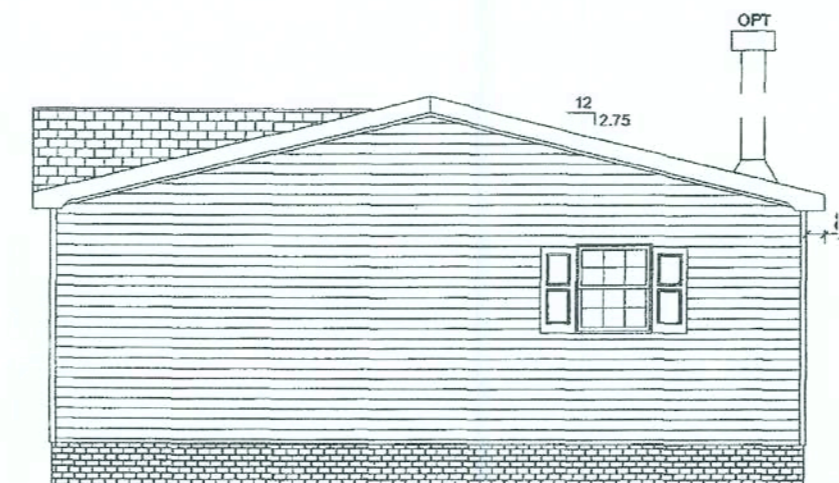
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REAR ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



FRONT ELEVATION

**MODEL: 07-E5307-Mfurnace - 28x78**  
**4-BEDROOM / 2-BATH**  
**STANDARD 3:12 ROOF PITCH**

09/23/05

These prints comply with the  
 Florida Manufactured Building  
 Act and adopted Codes and  
 adhere to the following criteria:

APPROVED BY

**NIA INC.**

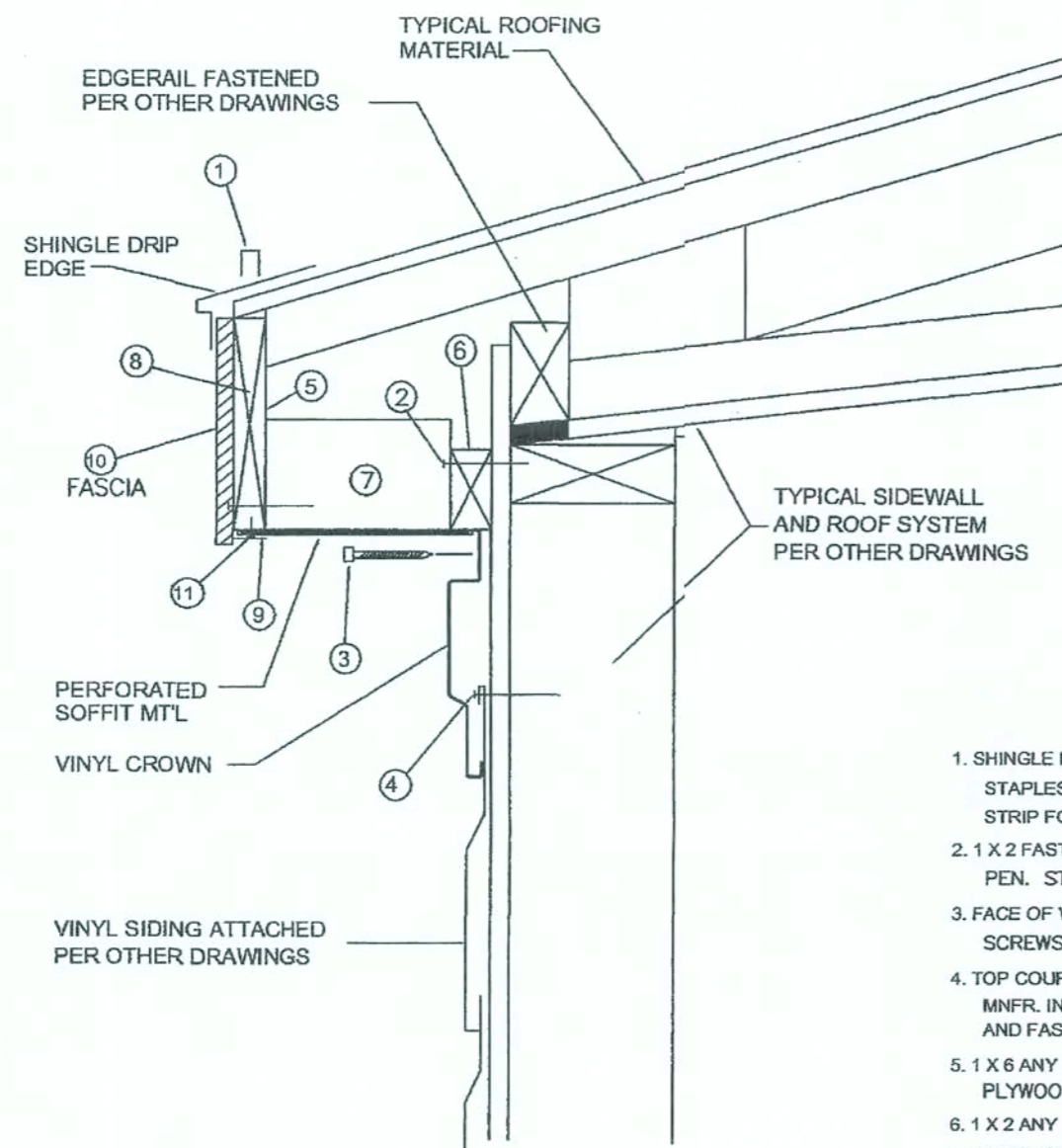
Const. Type: VB3  
 Occupancy: R33  
 Allowable No. of Floors: One (1)  
 Wind Velocity: 130 MPH  
 Fire Rating of Ext. Walls: 0 hr  
 Plan No.: MFT-3359-3642-3986-E5307M  
 Allow. Floor Load: 40 PSF  
 Approval Date: 11/15/2006  
 Manufacturer: Cavalier Home Builders

EXTERIOR MATERIALS:  
 1. EXTERIOR WALL FINISH: VINYL SIDING  
 2. SOFFIT FINISH: VINYL SOFFIT  
 3. ROOF COVERING: SHINGLES

08-E5307M - 78x28-4BR 2Bath  
 N.T.S. MODULAR SL  
 6 of 11  
**Exterior Elevations**  
 Cavalier Home Builders

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DETAIL A-A

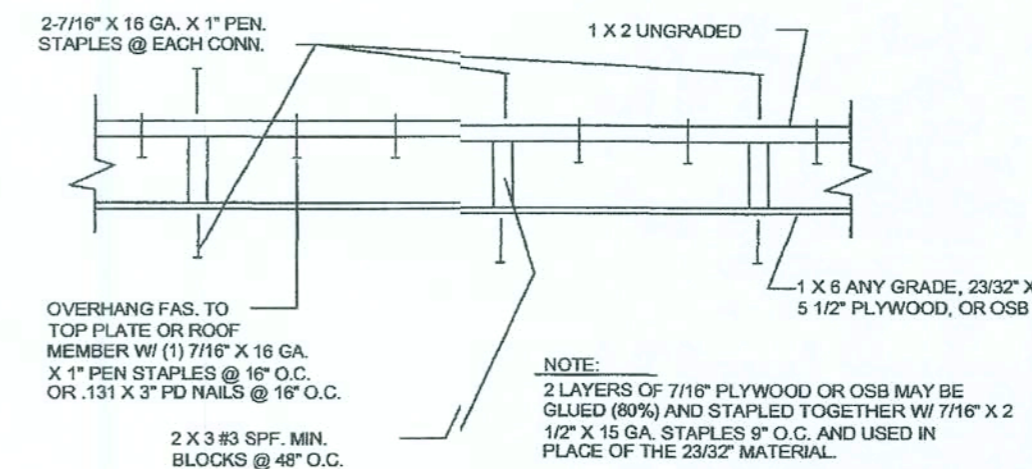
12" MAX. OVERHANG

1. SHINGLE DRIP EDGE TO DECKING W/ 1" X 3/4" X 16 GA. STAPLES 16" O.C. (MAY USE FASTENING OF SHINGLE STARTER STRIP FOR DRIP EDGE SECUREMENT).
2. 1 X 2 FASTENED TO TOP PLATE OR STUD WITH (1) 7/16" X 16 GA. X 1" PEN. STAPLES AT 16" O.C.
3. FACE OF VINYL CROWN TO STUDS WITH 1 1/4" METAL SCREWS 48" O.C.
4. TOP COURSE OF VINYL TO BE TRIMMED AND SLOTTED PER MNFR. INSTRUCTIONS. PLACE TO COURSE BEHIND CROWN AND FASTEN PER WINDZONE.
5. 1 X 6 ANY GRADE, 23/32" PLYWOOD, OSB OR 2 LAYERS OF 7/16" PLYWOOD OR OSB.
6. 1 X 2 ANY GRADE, 23/32" PLYWOOD, OR O.S.B.
7. 2 X 3 #3 SPF. MIN. BLOCKS 48" O.C.
8. FASCIA FASTENED TO TOP CHORD OF TRUSS W/ (2) 7/16" X 1" PEN. X 16 GA. STAPLES.
9. 3" L-BAR FASTENED INTO 1 X 6 W/ 3/4" X 18 GA. STAPLES 24" O.C.
10. "HARDIE" FASCIA FASTENED TO 1 X 6 W/ (1) 2-1/4" X 7d NAILS 16" O.C. STAGGERED.
11. SOFFIT MTL FASTENED TO 1 X 6 W/ (1) 3/4" X 18 GA. STAPLE AT 48" O.C.

## RIDGE BEAM CONSTRUCTION

1 LAYER(S) 1/2" X 11.875" MICROLAM, EACH MODULE

1. MICROLAM Fb = 2,900 P.S.I.
2. MICROLAM MUST BE CONTINUOUS OVER CLEARSPANS.
3. BEAMS SUPPORTED BY ENDWALL COLUMNS; MUST EXTEND OVER COLUMNS TO EXTERIOR FACE OF ENDWALL.
4. INSTALL (2 X 4) X 20" S.P.F. #3 RIDGE BEAM BEARING STIFFENER OVER SUPPORT COLUMNS WHEN SPECIFIED ON FLOOR PLAN; FASTEN THE FACE OF THE STIFFENER TO THE RIDGE BEAM WITH 100% GLUE COVERAGE AND (6) - 15 GA. STAPLES WITH 3/4" MINIMUM PENETRATION INTO MICROLAM BEAM.



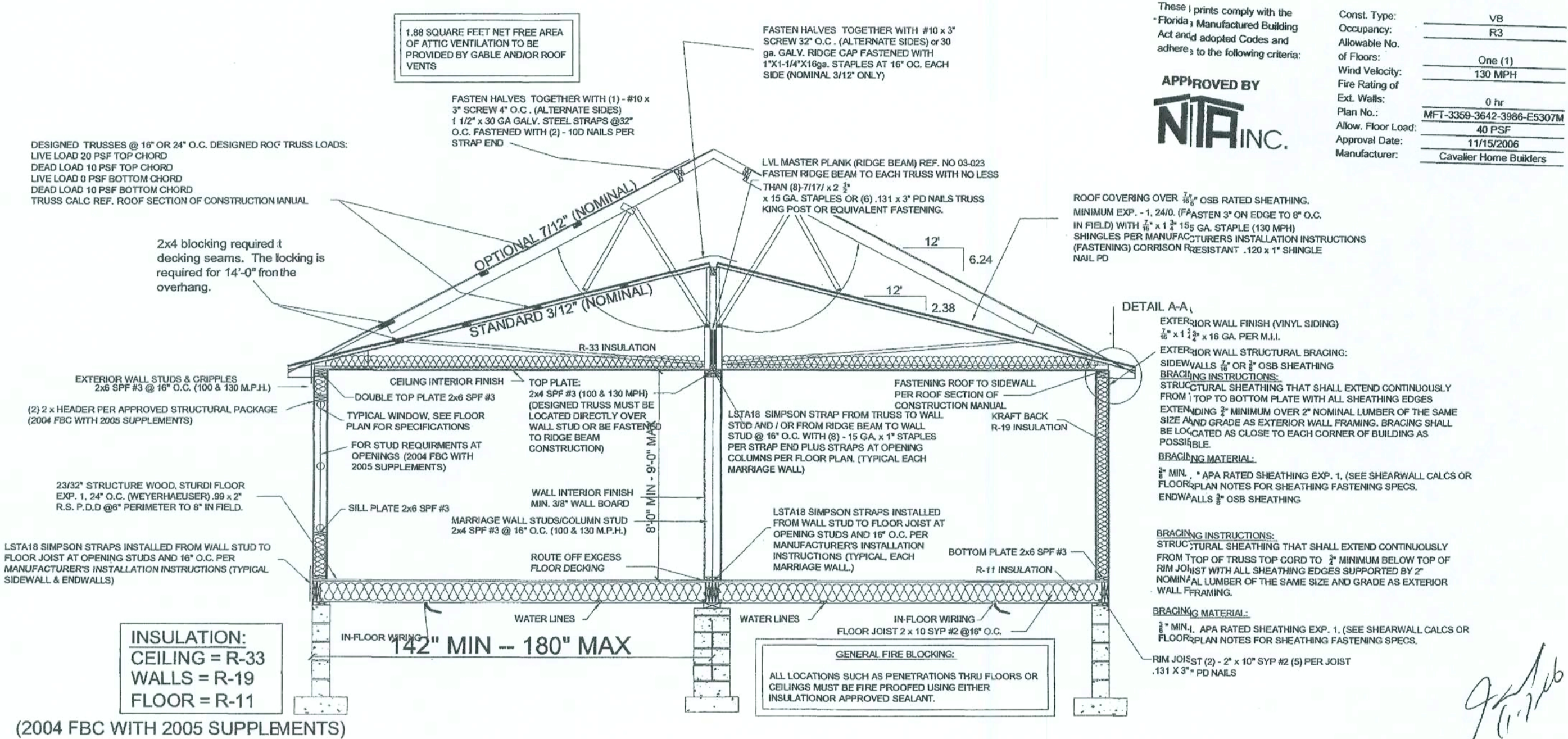
These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY  
**NIA INC.**

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

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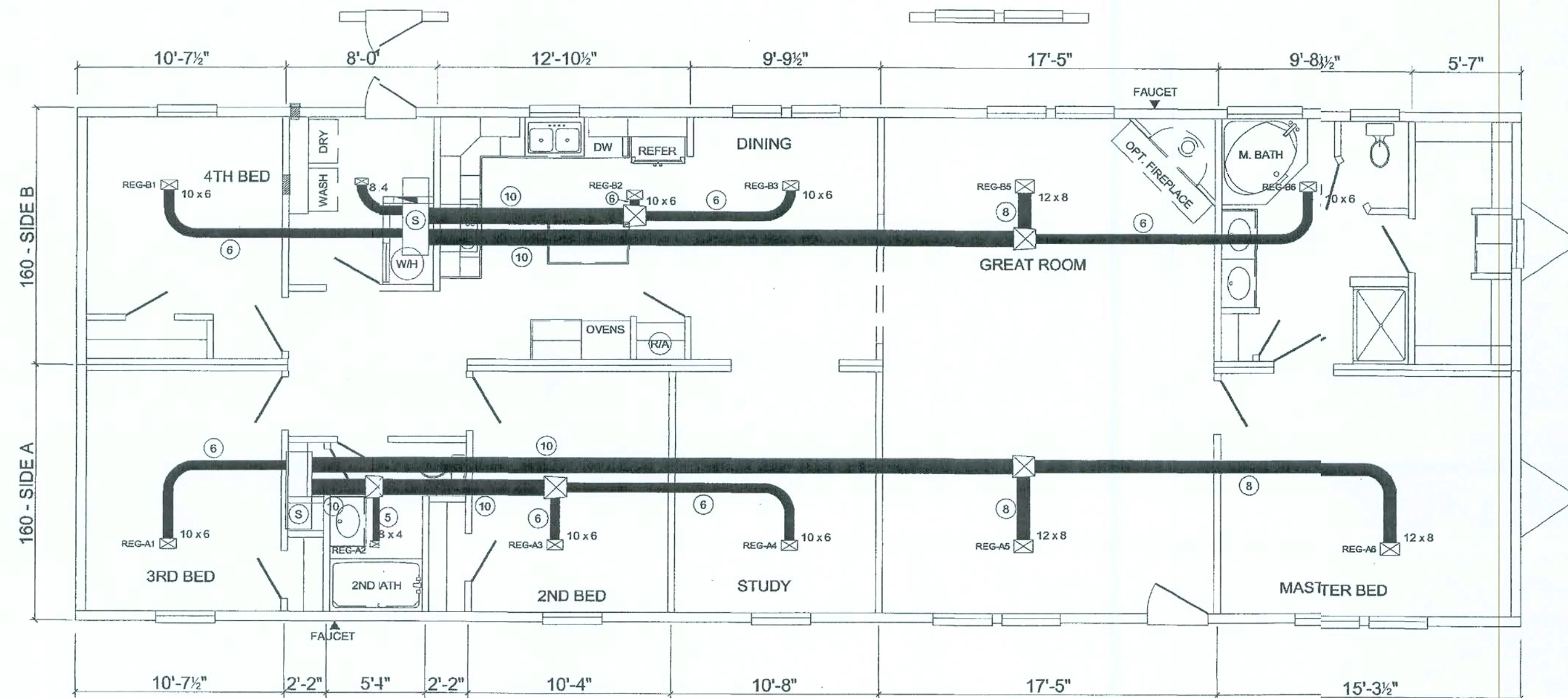
INTERIOR FINISH MATERIAL	EXTERIOR FINISH MATERIAL	08-E5307M - 78x28-4BR 2Bath
CEILING - 1/2" MINIMUM GYPSUM BOARD INSTALLED PER MANUFACTURER'S SPECIFICATIONS.	ROOF - 215# ASPHALT OR FIBERGLASS SHINGLES OVER 2 LAYERS 15# FELT UNDERLAYMENT OR EQUIVALENT INSTALLED PER MANUFACTURER'S SPECIFICATIONS	scale: N.T.S. drawn by: SL
WALLS - CORRIDORS - 3/8" MINIMUM GYPSUM BOARD.	WALL - .019 INCH ALUMINUM SIDING	date: MODULAR page no. 8 of 11
FLOORS - BLOCK TILE OR LINOLEUM IN BATH AND OTHER WET AREAS CARPET, BLOCK TILE OR LINOLEUM INSTALLED IN ALL OTHER AREAS	(*) WALL - 5/8 INCH D-11 APA RATED PANEL SIDING (*) WALL - 7/16 INCH LP INNER SEAL APA RATED PANEL SIDING WALL - VINYL LAP SIDING	MISC. DETAILS
	* MAY BE USED AS BRACING MATERIAL. FASTEN SIDING PER SPECIFICATIONS GIVEN ABOVE FOR 3/8 INCH APA RATED SIDING EXTERIOR	Cavalier Home Builders



## STANDARD OFF FRAME CROSS-SECTION

08-E5307M - 78x28-4BR 2Bath		
DATE	N.T.S.	Drawn by: SL
MODULAR		9 of 11
TYPICAL CROSS SECTION OFF FRAME		
Cavalier Home Builders		





*JK*  
*(11-17) 2006*

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY

**NIA INC.**

Const. Type: VB  
Occupancy: R3  
Allowable No. of Floors: One (1)  
Wind Velocity: 130 MPH  
Fire Rating of Ext. Walls: 0 hr  
Plan No.: MFT-3359-3642-3986-E5307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/15/2006  
Manufacturer: Cavalier Home Builders

VB
R3
One (1)
130 MPH
0 hr
MFT-3359-3642-3986-E5307M
40 PSF
11/15/2006
Cavalier Home Builders

08-E5307M - 78x28-4BR 2Bath

MODULAR

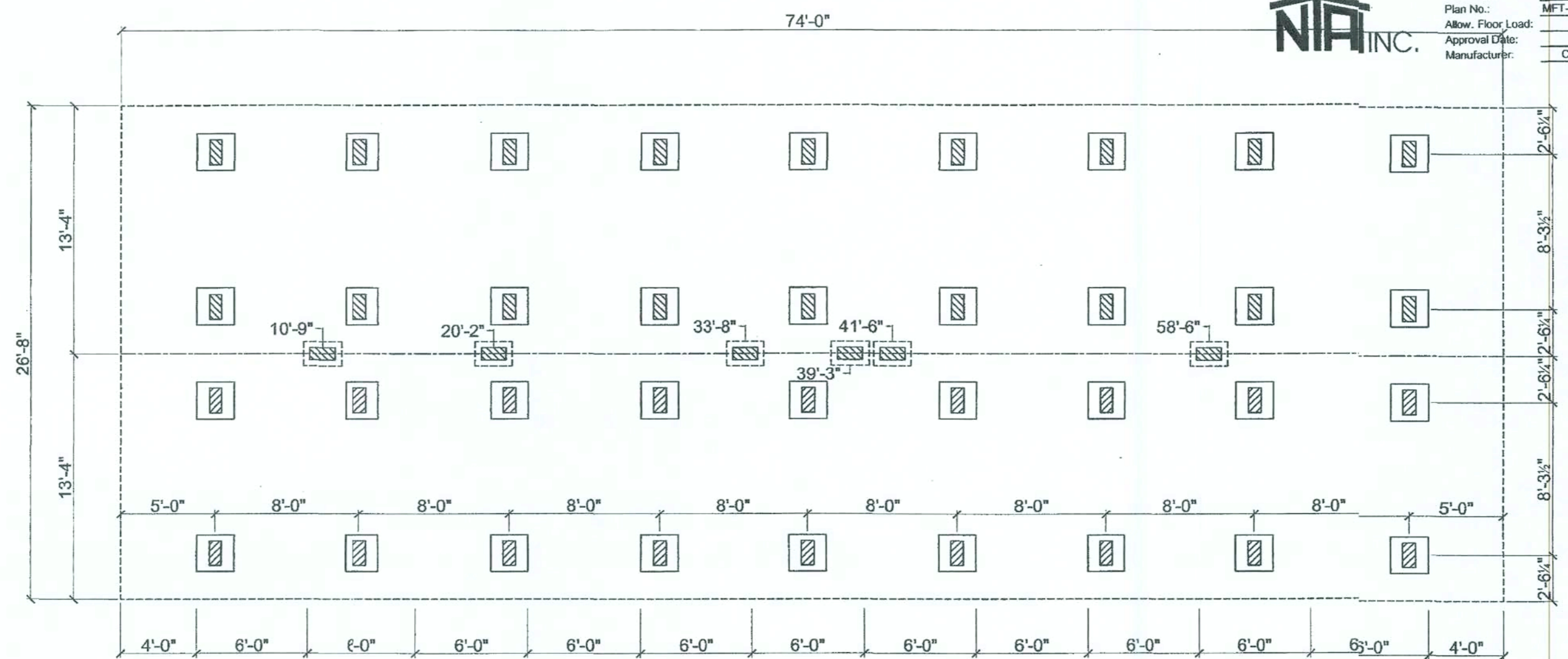
OVERHEAD DUCT

Cavalier Home Builders

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY  
**NIA INC.**

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3988-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders



**FOUNDATION NOTES :**

1. ALL FOUNDATION CONSTRUCTION MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
2. TIE DOWN SPECIFICATIONS: 0.35 X 1 1/4" TYPE 1 FINISH B. GRADE 1 STEEL STRAP CONFORMING TO ASTM STANDARD SPECIFICATION D3953-91. TIE-DOWN STRAPS AND CONNECTING HARDWARE TO HAVE 4,725 LBS. MINIMUM ULTIMATE CAPACITY.
3. GROUND ANCHORS SHALL HAVE 4,000 LBS. ULTIMATE CAPACITY, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
4. THE FIRST TIE-DOWN STRAP FROM ENDWALLS SHALL NOT EXCEED 2'-0" AND SHALL BE LOCATED 6'-0" MAX. THEREAFTER
5. ALL PIERS SHALL BE CONSTRUCTED OF 8" X 8" X 16" CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. MASONRY UNITS SHALL BE LAID IN TYPE M OR S MORTAR AND COVERED WITH SURFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING PER FOOTINGS SHALL BE DESCRIBED ABOVE. REFER TO SET-UP MANUAL.
6. MINIMUM CONCRETE FOOTING COMPRESSIVE STRENGTH 2,500 P.S.I. AT 28 DAYS.
7. CENTERLINE OF EACH PIER MUST BE LOCATED DIRECTLY BELOW THE I-BEAM CENTERLINE.

8. ALL PIERS SHALL BE CAPPED WITH 4" SOLID CONCRETE CAP, FULL LENGTH OF PIER.
9. SOIL BEARING CAPACITY SHOWN ON THIS PLAN ASSUMED TO BE 2,000 PSF. IF THE / ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2,000 P.S.F. THE ARCHITECT / ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTING SHALL BE PLACED ON NON-EXPANSIVE SOIL ONLY.
10. INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS. THAT ARE NOT ON A PERIMETER FOUNDATION WALL. SLIGHT ADJUSTMENT MAY BE REQUIRED TO INSURE OPENABILITY AFTER INSTALLATION OF BUILDING IS COMPLETE.
11. LONGITUDINAL ANCHORS AND TIE DOWN STRAPS ARE REQUIRED AT BOTH ENDS OF UNIT, ADJACENT TO EACH I-BEAM CONNECTED TO LAST CROSS MEMBER.
12. CRAWL SPACE ACCESS LOCATION DETERMINED ON SITE BY OTHERS. (MINIMUM SIZE 22" X 36")

**VENTILATION REQUIRED:**

26.7 X 74 = 1976  
1976/150 = 13.2 SQFT. NET FREE AREA REQ'D.  
13.2 X 144 = 1901/38 SQ. IN. PER VENT = 44 VENTS REQUIRED  
REQ'D. VENT AREA MAY BE CUT IN HALF IF AN APPROVED  
GROUND COVER VAPOR BARRIER IS COVERING CRAWLSPACE.

08-E5307M - 78x28-4BR 2Bath	
author N.T.S.	drawn by B. Pruitt
date	page no. 1 of 4
FOUNDATION PLAN - 100 & 130 MPH ON FRAME	
Cavalier Home Builders	

# GENERAL NOTES:

1. THIS UNIT MUST BE CONNECTED TO A PUBLIC WATER SUPPLY AND SEWER SYSTEM IF THESE ARE AVAILABLE.
2. CONSTRUCTION TYPE: VB UNPROTECTED
3. DESIGNED FLOOR LIVE LOAD: 40 P.S.F.
4. DESIGNED ROOF LIVE LOAD: 20 P.S.F.
5. DESIGNED WIND VELOCITY: 130 MPH, EXP "C"
6. MIN. HALLWAY WIDTH IS 36"
7. ALL GLASS IN DOORS, SIDELIGHTS, TUB, SHOWER ENCLOSURES SHALL BE SAFETY GLAZED.
8. INTERIOR DOORS SHALL BE UNDERCUT 1" A.F.F. OR EQUAL RETURN AIR GRILLS INSTALLED.
9. ALL SUPPLY AIR REGISTERS SHALL BE ADJUSTABLE.
10. OCCUPANCY CLASSIFICATION: RESIDENTIAL
11. THESE PLANS COMPLY WITH RULE 9B-72 (PRODUCT APPROVAL)
12. THE RAISED SEAL SET OF PLANS ARE ON FILE IN THE THIRD PARTY AGENCY'S OFFICE AS DIRECTED BY DCA.

## ELECTRICAL NOTES:

1. ALL VENT FANS SHALL EXTEND TO THE EXTERIOR OF THE BUILDING. (THIS EXCLUDES A CHARCOAL VENT RANGE HOOD)
2. BATHROOM VENT FANS SHALL PROVIDE 50 CFM.
3. LIGHTING PROVIDED IN CLOSETS SHALL BE 18" MIN. FROM SHELVING.
4. CEILING FANS SHALL BE INSTALLED WITH BLDES NO LOWER THAN 7'-0" A.F.F.

## THERMAL ZONE:

CEILING: R-33  
WALLS: R-19  
FLOOR: R-11

## WIND BOURNE PROTECTION OF DEBRIS

SECURE 7/16" MIN. OSB OR PLYWOOD PANELS INTO THE SUPPORT FRAMING ON EACH SIDE OF THE OPENING WITH #8x3" SCREWS @ 1" OC. 96" MAXIMUM OPENING SPANS (SEE R301.2.1.2 OF THE 2004 IRC)

## ATTENTION LOCAL INSPECTIONS DEPARTMENT:

\*\*\*\*\* REFER TO THE MODULAR DATA SHEET FOR ITEMS SUBJECT TO LOCAL INSPECTION \*\*\*\*\*

- A. LATERAL & VERTICAL CONNECTION = PG. 10 (SETUP MANUAL)
- B. ROOF SET-UP & CONNECTION = PG. 10 (SET-UP MANUAL)
- C. VERTICAL & HORIZONTAL PLUMBING CONNECTION BETWEEN MODULES = PG. 12 (SET-UP MANUAL)
- D. VERTICAL & HORIZONTAL MECHANICAL CONNECTION = PG. 13 (SET-UP MANUAL)
- E. ELECTRICAL CONNECTION BETWEEN MODULES = PG. 14 (SET-UP MANUAL)
- F. FIRE STOPPING & ELIMINATION OF AIR INFILTRATION = PG. 10.2 (SET-UP MANUAL)

# PLUMBING NOTES:

1. TUB ACCESS SHALL BE PROVIDED FROM UNDER UNIT UNLESS OTHERWISE SPEC.
2. SHOWERS SHALL HAVE WATERPROOF WALL MATERIAL TO A HEIGHT OF 6'-0" A.F.F. MIN.
3. ALL SHOWER HEADS SHALL HAVE A MAX. FLOW RATE OF 2.5 G.P.M.
4. ALL FIXTURES ARE PROVIDED WITH SHUT-OFF VALVES.
5. THE COLD WATER BRANCH LINE SERVING THE WATER HEATER WITH LOCKOUT SHALL BE PROVIDED WITH SHUT-OFF VALVE.
6. WHEN POLYETHYLENE SUPPLY PIPING IS USED A MIN. 6" METAL PIPE IS PROVIDED BETWEEN THE HOT WATER SUPPLY AND WATER HEATER WITH LOCKOUT.
7. WATER HEATER WITH LOCKOUT SHALL BE PROVIDED WITH APPROVED TEMP. & PRESSURE RELIEF VALVE & HAVE A MAX. TEMP. SETTING OF 210 DEG. F°

## Florida Codes

- 2002 NATIONAL ELECTRICAL CODE
- 2004 FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION WITH 2005 SUPPLEMENTS
- 2004 FLORIDA RESIDENTIAL CODE WITH 2005 SUPPLEMENTS

## DUCT LAYOUT

MINIMUM DUCT THICKNESS = 0.013 / EQUIVALENT GALVANIZED GAGE NO. = 30  
HVAC SYSTEM IS DESIGNED AND INSTALLED BY OTHERS AND SUBJECT TO LOCAL REVIEW AND APPROVAL

# ATTENTION LOCAL INSPECTIONS DEPT.

The following items have not been completed by CAVALIER HOMES, have not been inspected by NTA Inc., and are not certified by the Florida Modular Label. Code compliance must be determined at the local level.

1. Electrical fixture ( ceiling fans) inst.
2. Heat pump to include cross-over connections.
3. Chimney termination completion.
4. Storm Doors
5. V-Box for heating system installed by others.
6. Dryer vent installed on site.
7. Flood-lights
8. Main trunk of H.V.A.C. along with branch ducts to register boots to be completed on-site for off-frame only.
9. Installation of dormer on a 7/12 roof pitch.

Const. Type:	VB
Occupancy:	R3
Approved No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3842-3986-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

These prints comply with the Florida Manufactured Building Act and adopted Codes and shall adhere to the following criteria:

APPROVED BY  
NTA INC.

# EXTERIOR ELEVATION NOTES:

## ATTIC VENTILATION:

CEILING INLET: (7'4"X26'7"X144" = 284,515 sq. in.  
REQUIRED INLET AREA: (5'X284,515')/300 = 474  
PROVIDED INLET AREA: (7'4"X26'7"X144" = 284,515 sq. in.  
915 sq. in. > 474 sq. in. therefore ok.  
REQUIRED OUTLET AREA: (5'X284,515')/300 = 474  
474/150 = 3.2 => 4 VENTS REQ'D  
PROVIDED OUTLET AREA: 150 sq. ft. PER POP VENT  
4 X 150sq. in. = 6000  
600 sq. in. > 474 sq. in. therefore ok.

FLORIDA STRUCTURAL LOAD LIMITATIONS: (FBC 1606.1.7)	
FLOOR LIVE LOAD:	40 PSF
ROOF LIVE LOAD:	20 PSF
ROOF SNOW LOAD:	NOT APPLICABLE
CONSTRUCTION TYPE:	VB
OCCUPANCY:	R3
FIRE RATING OF EXT. WALLS:	0
HIGH VELOCITY HURRICANE ZONE:	NO
SEISMIC LOAD:	NOT APPLICABLE
WIND LOAD:	A. 130 MPH WIND SPEED. B. $W = 1.0$ WIND IMPORTANCE FACTOR. C. $C = 1.0$ WIND EXPOSURE CATEGORY. D. $GCF = 0.18$ INTERNAL PRESSURE COEFFICIENT. E. $P_v = 49.3$ PSF INTERIOR ZONE WALL COMPONENT & CLADDING LOAD. F. $P_v = 92.9$ PSF EXTERIOR ZONE ROOF COMPONENT & CLADDING LOAD. G. THIS BUILDING IS NOT DESIGNED FOR PLACEMENT ON THE UPPER HALF OF A HILL OR ESCARPMENT EXCEEDING 15 FEET IN HEIGHT. FLOOD LOAD: THIS BUILDING IS NOT DESIGNED TO BE LOCATED IN A FLOOD HAZARDOUS AREA.

CAVALIER HOME BUILDERS LLC.  
HAMILTON DIVISION  
P.O. BOX 1418  
330 BUCKANEER ST.  
HAMILTON, AL. 35570  
CONTACT NAME: DOUG CARPENTER  
PHONE NO. 1-205-921-3135  
FAX. NO. 1-205-921-6538

DATE: 11/15/2006 CERT. NO. SMP-015

PLAN NUMBER MFT-3359-3842-3986-E5307M

APPROVED BY CHARLES A. OSTERDAY, JR.

Charles A. Osterday, Jr.  
(signature)

PL L10 # 41622

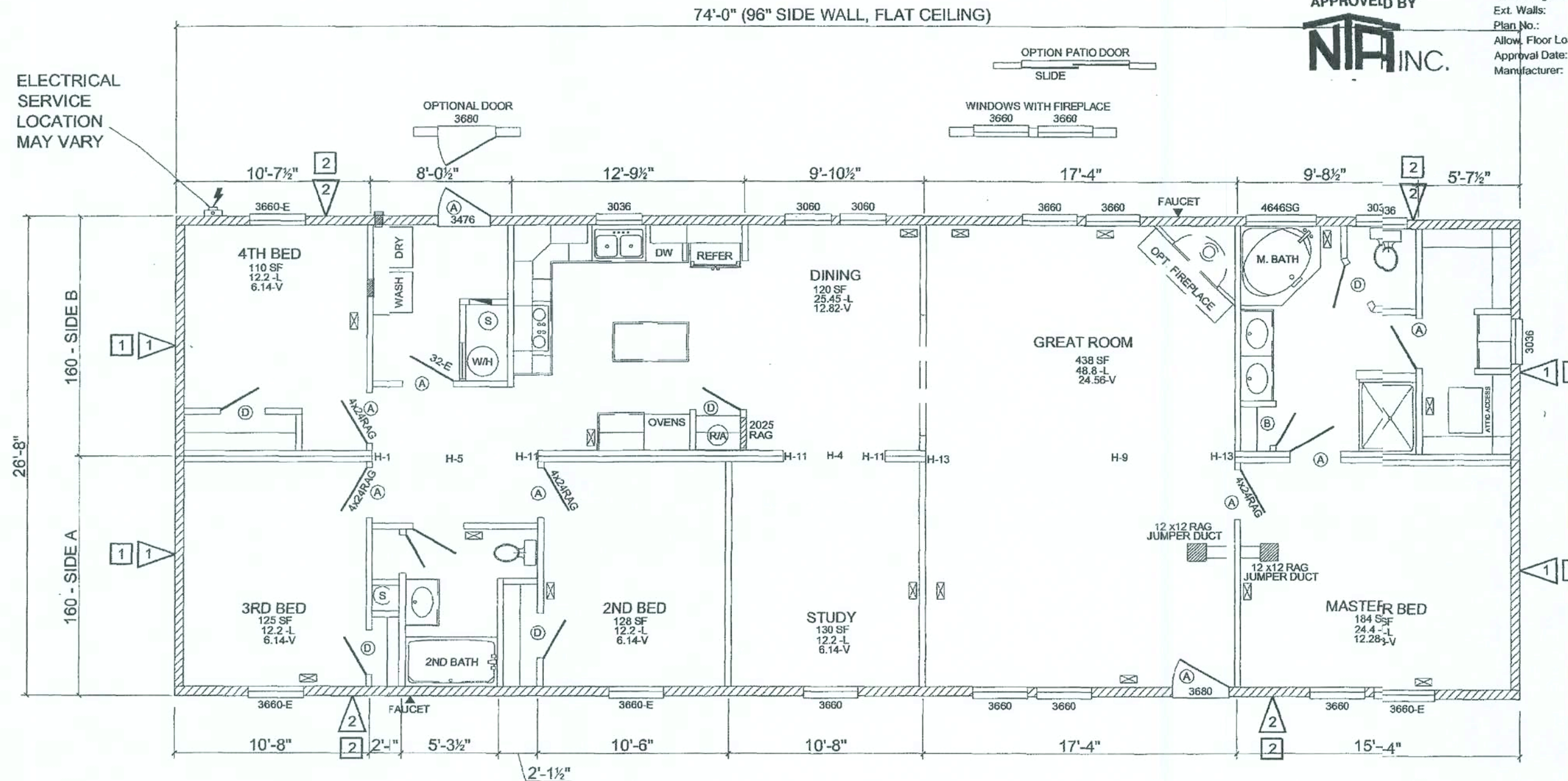
MODEL # E5307M

GENERAL NOTES

1 OF 11

DOOR R.O.	
A = 33 1/2"	
B = 25 3/4"	
C = 37 1/2"	
D = 29 1/2"	
E = 70" X 78"	
F = 34-1/2"	

ELECTRICAL  
SERVICE  
LOCATION  
MAY VARY



These prints comply with the  
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Act and adopted codes and  
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APPROVED BY  
**NIA INC.**

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
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Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
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### 130 MPH SHEARWALL SHEATHING NOTES

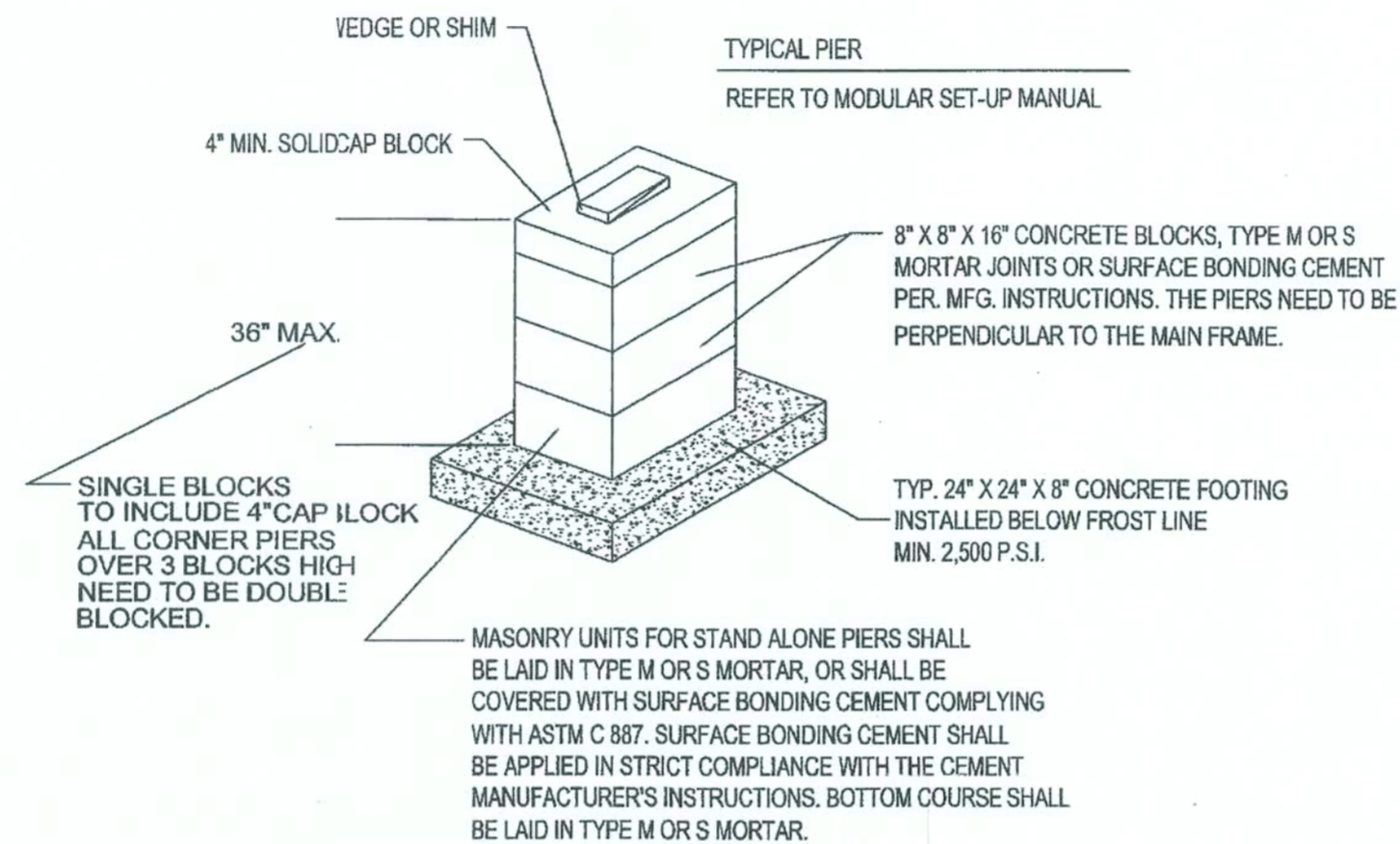
- 1 USE 3/8" SHEATHING W/ 8d NAILS @ 4" OC EDGE & 12" OC FIELD SPACING (ENDWALL).
- 2 USE 3/8" SHEATHING W/ 8d NAILS @ 6" OC EDGE & 12" OC FIELD SPACING (SIDEWALL).
- 1 USE PLYWOOD STRIP W/ 8d NAILS @ 2" OC (ENDWALL)
- 2 USE PLYWOOD STRIP W/ 8d NAILS @ 6" OC (SIDEWALL)

DOOR SCHEDULE			
DUNBARTON 8-PANEL (STORM DOOR) U-VALUE = 0.50 / R-VALUE = 2.00			
DUNBARTON 9-LITE (STORM DOOR) U-VALUE = 0.50 / R-VALUE = 2.00			
SLIDING GLASS DOOR			
ML HOME PRODUCTS - R.O. = 80 3/4" X 71 1/4" / LIGHT = 34.37 VENT = .037 CFM/FT SQ.			
KINRO WINDOW SCHEDULE - SERIES 9750			
SIZE	ROUGH OPENING	GLASS VENT EQ. SASH	MAX. ALLOWABLE ROOM SIZE EQ. SASH
SH2460	24 1/4" X 60 1/4"	7.68	3.93
SH6436	64 1/4" X 36 1/4"	12.08	2.28
SH3660	36 1/4" X 60 1/4"	12.2	6.14
SH3060	30 1/4" X 60 1/4"	9.95	5.03
SH3036	30 1/4" X 36 1/4"	5.55	2.76
SH4648	46 1/2" X 46 1/2"	13.17	0.00

HEADER SPECIES	
H-1	= WINDOW HEADER (2) 2 X 6 SYP
H-2	= WINDOW HEADER (3) 2 X 6 SYP
H-3	= WINDOW HEADER (2) 2 X 6 SYP
H-4	= RIDGE BEAM 1 1/2" X 6 3/8" LVL MASTER PLANK
H-5	= RIDGE BEAM 1 1/2" X 10" LVL MASTER PLANK
H-6	= RIDGE BEAM 1 1/2" X 11 7/8" LVL MASTER PLANK
H-7	= RIDGE BEAM 1 1/2" X 14" LVL MASTER PLANK
H-8	= RIDGE BEAM 1 1/2" X 18" LVL MASTER PLANK
H-9	= RIDGE BEAM 1 1/2" X 18" LVL MASTER PLANK
H-10	= (2) COLUMN STUDS #2 S.P.F. TO EQUAL 2.8 - M.B.L.
H-11	= (3) COLUMN STUDS #2 S.P.F. TO EQUAL 4.2 - M.B.L.
H-12	= (4) COLUMN STUDS #2 S.P.F. TO EQUAL 5.5 - M.B.L.
H-13	= (5) COLUMN STUDS #2 S.P.F. TO EQUAL 7.0 - M.B.L.

08-E5307M - 78x28-4BR 2Bath

DATE	N.T.S.	MODULAR	SL
		MODEL PLAN	2 of 11
Cavalier Home Builders ~			

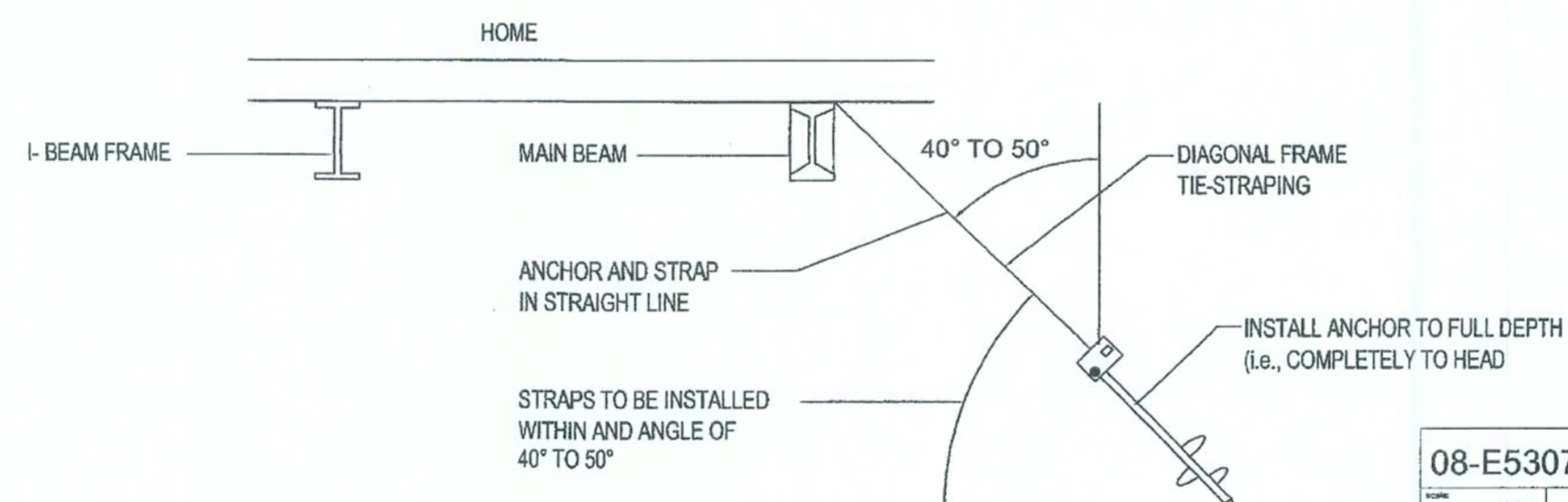


These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY  
**NIA INC.**

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

PROPERLY INSTALLED AND CONNECTED GROUND  
ANCHOR AND FRAME CONNECTION DETAIL:

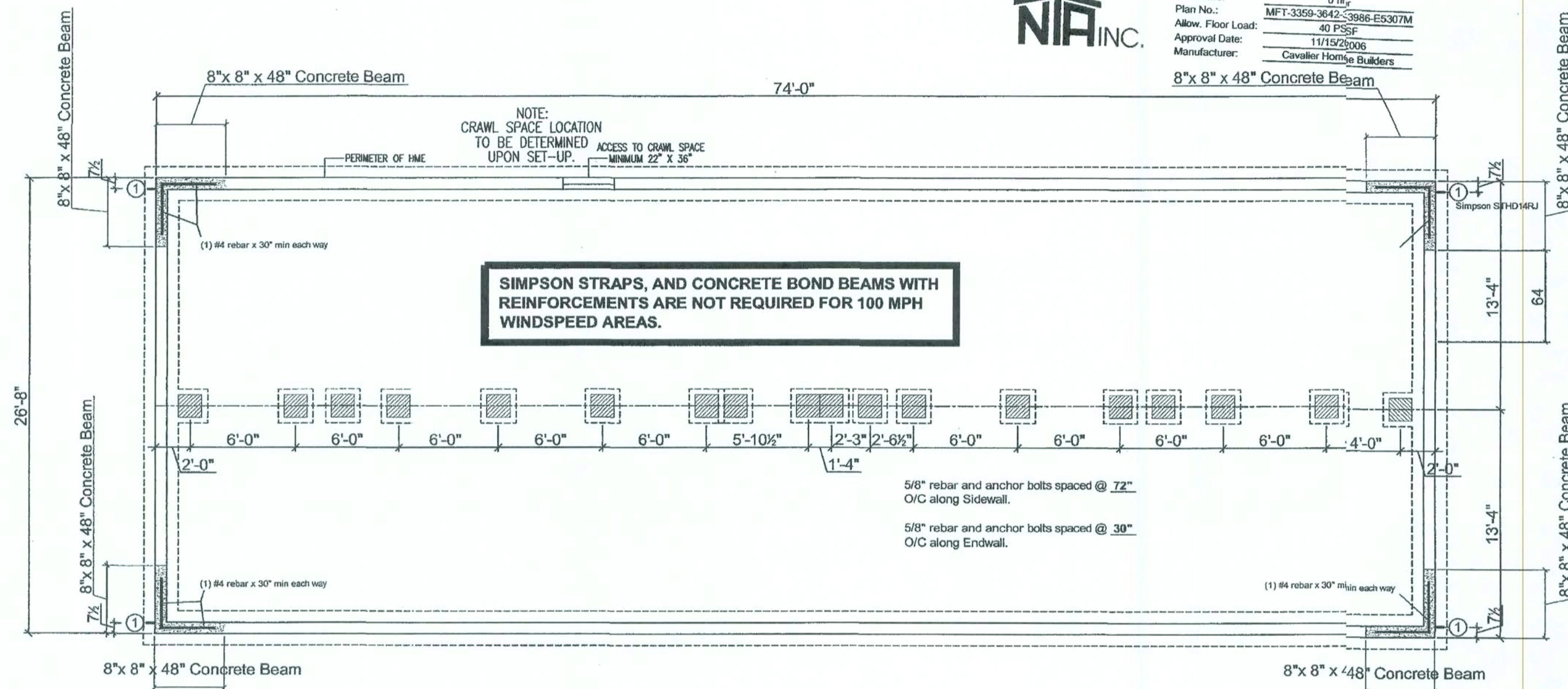


08-E5307M - 78x28-4BR 2Bath			
Scale:	N.T.S.	Drawn by:	B. Pruitt
Check:		Page No.:	2 of 4
FOUNDATION PLAN DETAILS ON FRAME			
Cavalier Home Builders			

These prints comply with the Florida Manufactured Building Act and adopted Codes and adhere to the following criteria:

APPROVED BY  
**NIA INC.**

Const. Type: VBS  
Occupancy: R33  
Allowable No. of Floors: One (1)  
Wind Velocity: 130 MPH  
Fire Rating of Ext. Walls: 0 hr.  
Plan No.: MFT-3359-3642-3986-E5307M  
Allow. Floor Load: 40 PSF  
Approval Date: 11/15/2006  
Manufacturer: Cavalier Home Builders



#### VENTILATION REQUIRED:

26.7 X 74 = 1976  
1976/150 = 13.2 SQFT. NET FREE AREA REQD.  
13.2 X 144 = 1901/38 SQ. IN. PER VENT = 44 VENTS REQUIRED  
REQD. VENT AREA MAY BE CUT IN HALF IF AN APPROVED  
GROUND COVER VAPOR BARRIER IS COVERING CRAWLSPACE.  
FOUNDATION VENTS MUST START WITHIN 3" OF EACH CORNER

SEE OFF-FRAME FOUNDATION DETAILS PAGE FOR FOOTER SIZE,  
LATERAL SUPPORT OF FOUNDATION WALL, AND FASTENING OF  
HOME TO FOUNDATION.

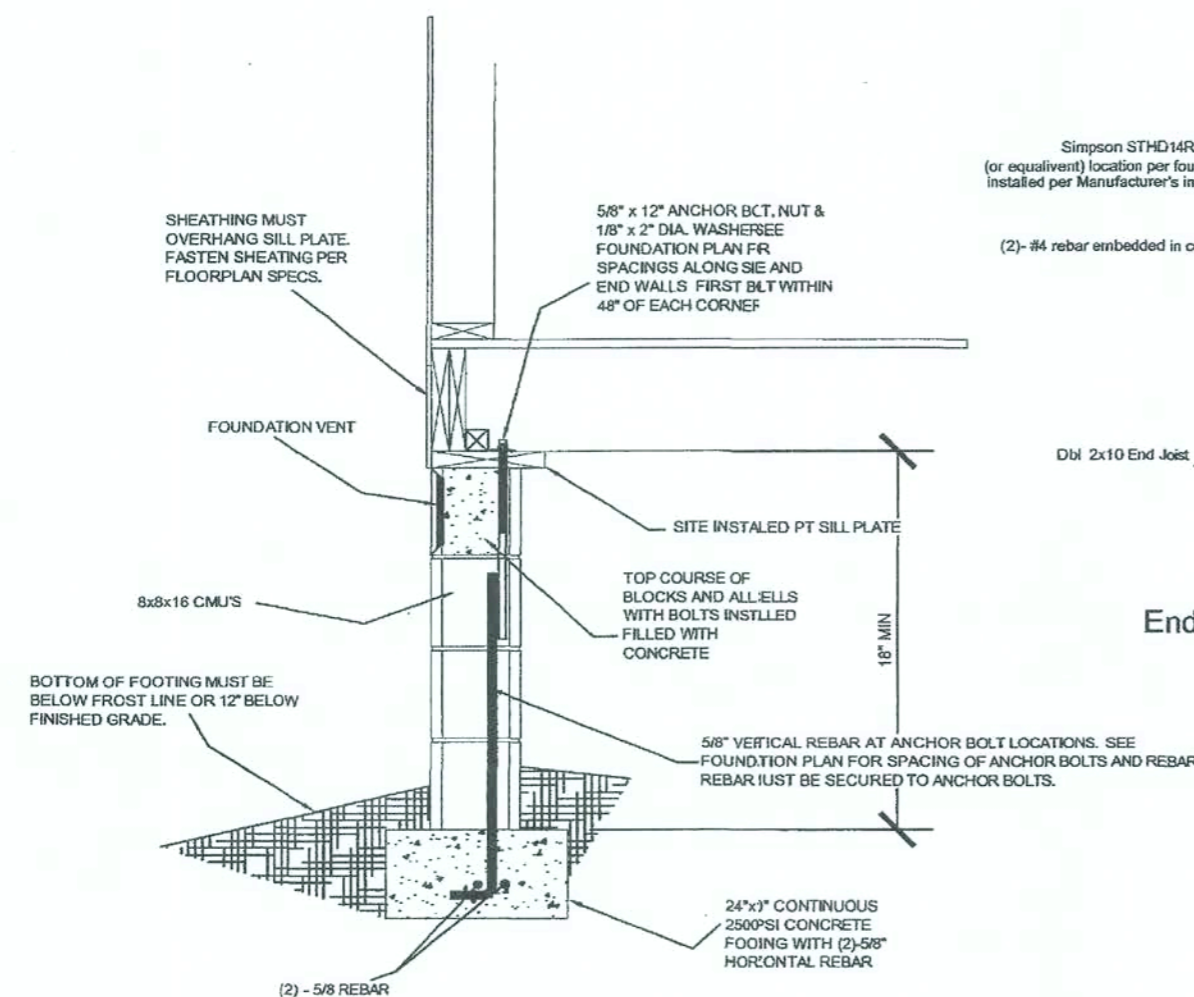
FOR ANCHORAGE DETAIL &  
TYPICAL PIER DETAIL SEE  
FOUNDATION PLAN DETAILS SHEET

#### FOUNDATION NOTES:

1. THIS DRAWING IS TO BE USED ONLY FOR DIMENSIONAL LAYOUT AND IS NOT INTENDED TO BE USED FOR PROPER SIZING OF PIERS AND FOOTERS. REFER TO THE ATTACHED FOUNDATION DESIGN DETAILS FOR PROPER DESIGN OF PIERS AND FOOTERS.
2. WHEN REGISTERED PROFESSIONAL ENGINEER'S SEAL IS NEEDED FOR PERMITS OR INSPECTION REQUIREMENTS, REFER TO THE ATTACHED "FOUNDATION PLAN DETAILS" FOR COMPLETE DESIGN CRITERIA.
3. REFER TO THE ATTACHED "FOUNDATION PLAN DETAILS" FOR THE ANCHORING TO THE FOUNDATION WALL.

08-E5307M - 78x28-4BR 2Bath  
N.T.S. MODULAR B. Pruitt  
3 of 4  
FOUNDATION PLAN - 100 & 130 MPH OFF FRAME  
Cavalier Home Builders

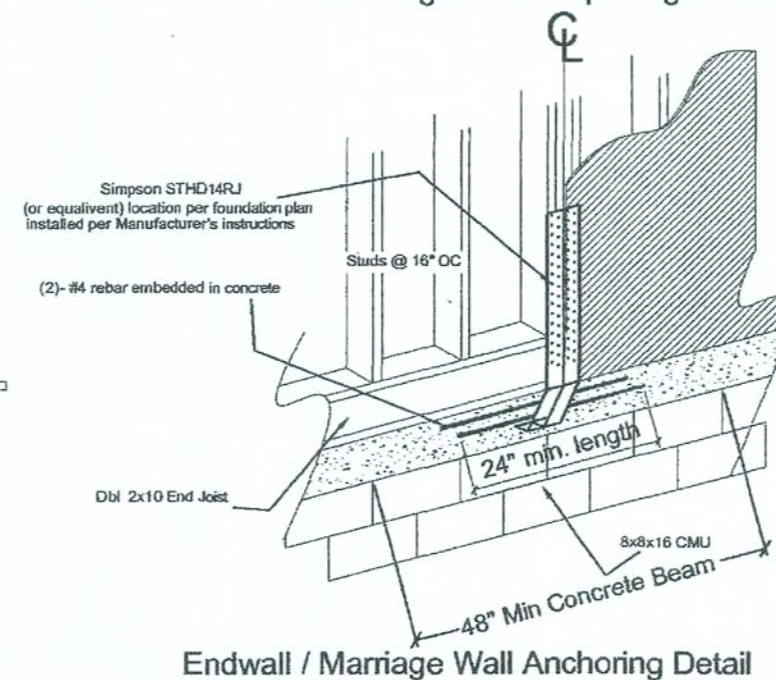
# (130 MPH HIGH WIND AREA) ASCE 7-02



## FOUNDATION NOTES:

1. ALL FOUNDATION CONSTRUCTION MATERIALS, AND INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES.
2. ALL PIERS SHALL BE CONSTRUCTED OF 16" X 16" CONCRETE MASONRY UNITS CONFORMING TO ASTM C90. MASONRY UNITS SHALL BE LAID IN TYPE M OR S MORTAR AND COVERED WITH SURFACE BONDING CEMENT INSTALLED IN ACCORDANCE WITH ITS LISTING PER FOOTINGS, SHALL BE DESCRIBED ABOVE. (REFER TO IET-UP MANUAL)
3. MINIMUM CONCRETE FOOTINGS COMPRESSIVE STRENGTH 2,500 P.S.I.  
Refer to the 2004 Florida Building Code w/ 2005 supplements
4. ALL PIERS SHALL BE CAPPED WITH 4" SOLID CONCRETE CAP FULL LENGTH OF PIER.
5. SOIL BEARING CAPACITY SHOWN ON THIS PLAN ASSUMED TO BE 2,000 PSF IF THE ACTUAL SOIL BEARING CAPACITY IS LESS THAN 2,000 P.S.F. THE ARCHITECT / ENGINEER MUST BE CONSULTED FOR REQUIRED ALTERNATE FOUNDATION DESIGN. FOOTING SHALL BE PLACED ON NON-EXPANSIVE SOIL ONLY.
6. INSTALL BLOCK PIER ON EACH SIDE OF ALL EXTERIOR DOOR OPENINGS THAT ARE NOT ON A PERIMETER SLIGHT ADJUSTMENT FOUNDATION WALL. SLIGHT ADJUSTMENT MAY BE REQUIRED TO INSURE CENABILITY AFTER INSTALLATION OF BUILDING IS COMPLETE
7. FOUNDATION DESIGN PER - 2004 Florida Building Code w/ 2005 supplements

## Marriage Line & Openings in endwalls



## Endwall / Marriage Wall Anchoring Detail

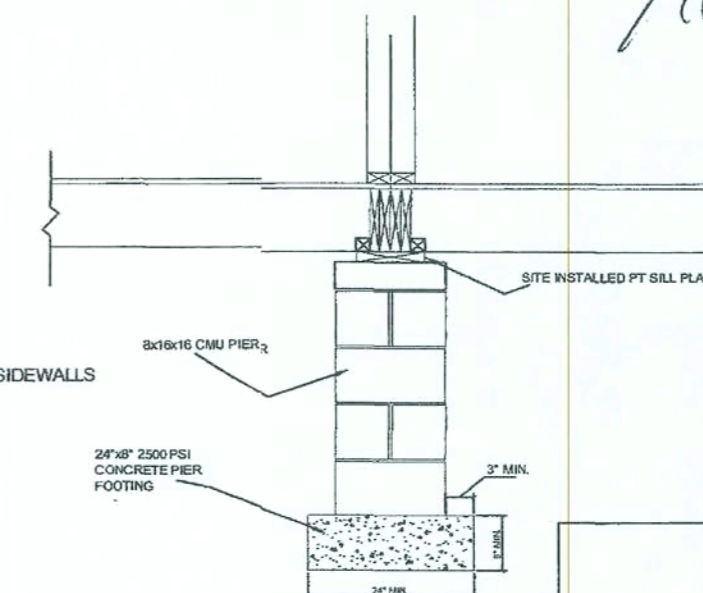
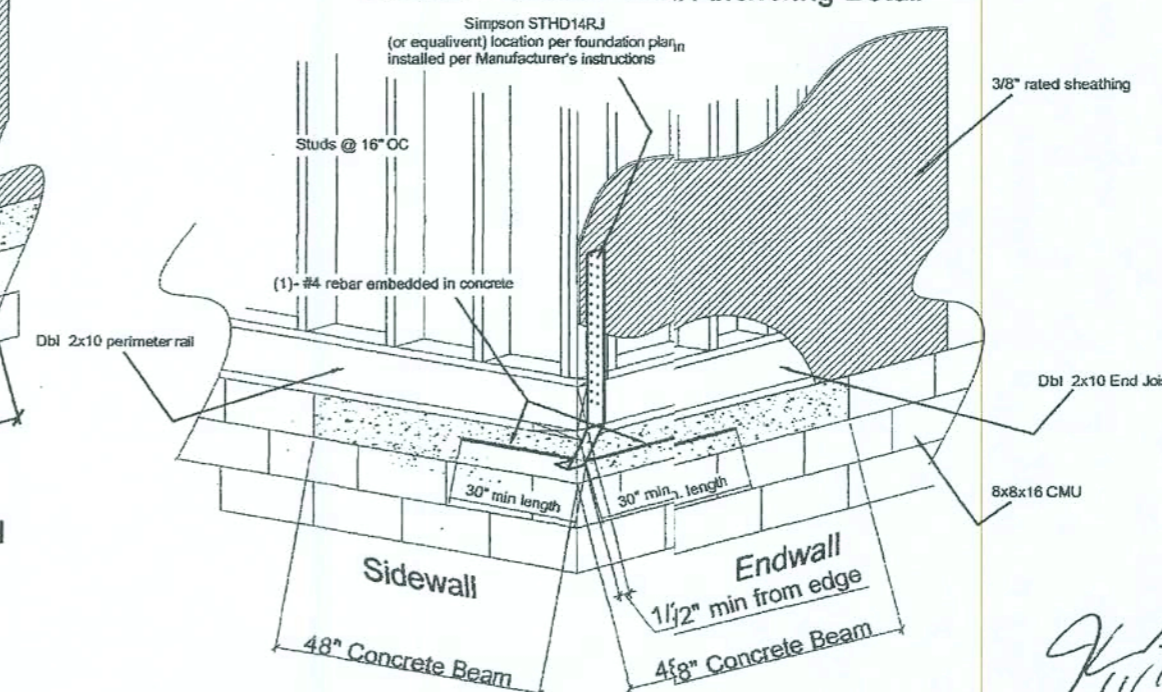
These prints comply with the  
Florida Manufactured Building  
Act and adopted Codes and  
adhere to the following criteria:

APPROVED BY

**NIA INC.**

Const. Type:	VB
Occupancy:	R3
Allowable No. of Floors:	One (1)
Wind Velocity:	130 MPH
Fire Rating of Ext. Walls:	0 hr
Plan No.:	MFT-3359-3642-3986-E5307M
Allow. Floor Load:	40 PSF
Approval Date:	11/15/2006
Manufacturer:	Cavalier Home Builders

## Sidewall / Endwall Wall Anchoring Detail



## CENTER WALL PIER

08-E5307M - 7'8x28-4BR 2Bath

SCALE: N.T.S. DATE: MODULAR FOUNDATION PLAN DETAILS OFF FRAME

Drawn by: B. Pruitt 4 of 4

Cavalier Home Builders