Notice of Inspection and/or Treatment

28816

Date of Inspection

9/2/2010

Date of Treatment

Cypek TC

Pesticide Used

Subterranean Termites

Wood-Destroying Organism Treated

Pursuant to Chapter 482; Florida Statutes, 482.226 (6), this notice is required to be posted. Any licensee who performs control of any wood-destroying organism shall post notice of said treatment immediately adjacent to the access to the attic or crawl area of other readily accessible area of the property treated.

Inspector

DIXIE PEST CONTROL
P.O. Box 2357
Cross City, FL 32628
(352) 498-7332

DATE 08/25/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028816

APPLICANT HUBERT SANDERSON PHONE 352.578.5060

ADDRESS 34 SE HWY 349 OLD TOWN FL 32680

OWNER CHAD HEIMBUCH PHONE 352.578-5060

ADDRESS 296 SW CUMORAH HILL STREET FT. WHITE FL 32038

CONTRACTOR HUBERT SANDERSON PHONE 352.578.5060

LOCATION OF PROPERTY 41/441-S TO C-131-S,TR TO CUMORAH HILL RD,TR AND IT'S THE 2ND DRIVE ON R WITH M/H @ GATED ENTRANCE.

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 22500.00

HEATED FLOOR AREA 450.00 TOTAL AREA 450.00 HEIGHT 14.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 4'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 19-6S-17-09698-034 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 1.00

		CBC1251261	Hubert Sanderson
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
EXISTING	10-355	BLK	TC	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD. SPECIAL FAMILY LOT PERMIT..FL 10-08 TO SON.

Check # or Cash 1983

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by

Slab _____ date/app. by

Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by

Insulation _____ date/app. by

Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by

Heat & Air Duct _____ date/app. by

Peri. beam (Lintel) _____ date/app. by

Pool _____ date/app. by

Permanent power _____ date/app. by

C.O. Final _____ date/app. by

Culvert _____ date/app. by

Pump pole _____ date/app. by

Utility Pole _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by

Reconnection _____ date/app. by

RV _____ date/app. by

Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 115.00 CERTIFICATION FEE $ 2.25 SURCHARGE FEE $ 2.25

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ _____ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ _____ **TOTAL FEE** 194.50

INSPECTORS OFFICE _____ CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Quality Construction

Of Pinellas, Inc

80 NE 758th St.
OLD TOWN, FL 32680
Office 352-542-7756
Fax 352-542-7757
Cell 352-578-5060
LICENSE #CBC1251261

Columbia County Bldg Dept.
Att: Harry Dicks

This is to inform you that the finish floor level for permit # 28816 is a minimum of 24 inches above the crown of the street in front of the house.

Thank You

Hubert Sanderson

Hubert Sanderson

TABLE R301.2(4)
GARAGE DOOR LOADS FOR A BUILDING WITH A MEAN ROOF HEIGHT OF 30 FEET LOCATED IN EXPOSURE B

Roof Angle > 10 degrees Effective Area: Width (ft)	Height (ft)	Basic Wind Speed (mph - 3 second gust)													
		90		100		110		120		130		140		150	
9	7	12.8	-14.5	15.8	-17.9	19.1	-21.6	22.8	-25.8	26.7	-30.2	31.0	-35.1	35.6	-40.2
16	7	12.3	-13.7	15.2	-16.9	18.3	-20.4	21.8	-24.3	25.6	-28.5	29.7	-33.1	34.1	-38.0

For SI: 1 foot = 304.8 mm, 1 square foot = 0.0929 m^2, 1 mile per hour = 1.609 km/h.

1. For effective areas or wind speeds between those given above the load may be interpolated, otherwise use the load associated with the lower effective area.
2. Table values shall be adjusted for height and exposure by multiplying by the adjustment coefficient in Table R301.2(3).
3. Plus and minus signs signify pressures acting toward and away from the building surfaces.
4. Negative pressures assume door has 2 feet of width in building's end zone.

determine design load performance requirements. Where loads for garage doors are not otherwise specified, the loads listed in Table R301.2(4) adjusted for height and exposure per Table R301.2(3), shall be used to determine design load performance requirements.

R301.2.1.1 Design criteria. Construction in regions where the basic wind speeds from Figure R301.2(4) equal or exceed 100 miles per hour (160.9 km/h) shall be permitted to be designed in accordance with one of the following:

1. American Forest and Paper Association (AF&PA) *Wood Frame Construction Manual for One- and Two-Family Dwellings* (WFCM);
2. *Minimum Design Loads for Buildings and Other Structures* (ASCE-7);
3. American Iron and Steel Institute (AISI), *Standard for Cold-Formed Steel Framing—Prescriptive Method for One- and Two-family Dwellings* (COFS/PM).
4. Concrete and concrete masonry construction shall be designed in accordance with the provisions of this code or in accordance with the applicable documents adopted in Section R301.2.1.1.
5. *IBHS Guideline for Hurricane Resistant Residential Construction* shall be permitted for buildings for a basic wind speed of 140 mph (63 m/s) or less in Exposure B in accordance with Figure R301.2(4). Provisions for design wind speeds of 140 mph (63 m/s) in the Guideline shall also be permitted for buildings for a basic wind speed of 120 mph (53 m/s) or less in Exposure C in accordance with Figure R301.2(4) and provisions for design wind speeds of 120 mph (54 m/s) in the Guideline shall be permitted for buildings for a basic wind speed of 100 mph (45 m/s) or less in Exposure C in accordance with Figure R301.2(4).
6. *The FC&PA Guide to Concrete Masonry Residential Construction in High Wind Areas* shall be permitted for applicable concrete masonry buildings for a basic wind speed of 130 mph (58 m/s) or less in Exposure B and 110 mph (49 m/s) or less in Exposure C in accordance with Figure R301.2(4); or
7. *The WPPC Guide to Wood Construction in High Wind Areas* shall be permitted for applicable wood-frame buildings for a basic wind speed of 130 mph (58 m/s) or less in Exposure B and 110 mph (49 m/s) or less in Exposure C in accordance with Figure R301.2(4).
8. The *Florida Building Code, Building*.

R301.2.1.1.1 Design. The following design guide shall be accepted as conforming to accepted engineering practices: *AAF Guide to Aluminum Construction in High-Wind Areas*. Vinyl and acrylic panels shall be removable. Removable panels shall be identified as removable by a decal. The identification decal shall essentially state: "Removable panel SHALL be removed when wind speeds exceed 75 mph (34 m/s)." Decals shall be placed such that the decal is visible when the panel is installed.

R301.2.1.1.2 Sunrooms. Sunrooms shall comply with AAMA/NPEA/NSA 2100 with the structural requirements and testing provisions of Chapter 5 modified to incorporate ASCE 7.

R301.2.1.2 Protection of openings. Windows in buildings located in wind-borne debris regions shall have glazed openings protected from wind-borne debris. Glazed opening protection for wind-borne debris shall meet the requirements of the Large Missile Test of ASTM E 1996 and ASTM E 1886, SSTD 12, ANSI/DASMA 115 (for garage doors) or TAS 201, 202 and 203, or AAMA 506 referenced therein.

(1) Opening in sunrooms, balconies or enclosed porches constructed under existing roofs or decks are not required to be protected provided the spaces are separated from the building interior by a wall and all openings in the separating wall are protected in accordance with this section. Such space shall be permitted to be designed as either partially enclosed or enclosed structures.

(2) Storage sheds that are not designed for human habitation and that have a floor area of 720 square feet (67 m^2) or less are not required to comply with the mandatory wind-borne debris impact standard of this code.

Impact resistant coverings shall be tested at 1.5 times the design pressure (positive or negative) expressed in pounds per square foot as determined by the *Florida Building Code, Residential* Section R301 for which the specimen is to be tested.

Chapter 9, Section R905, (10)(1)

R905.10.1 Deck requirements. Metal roof panel roof coverings shall be applied to solid or spaced sheathing, except where the roof covering is specifically designed to be applied to spaced supports.

over which a roof covering, with a slope of 2 to 12 (17-percent slope) or greater, is applied.

UNUSUALLY TIGHT CONSTRUCTION. Construction meeting the following requirements:

1. Walls comprising the building thermal envelope have a continuous water vapor retarder with a rating of 1 perm [57.4 ng/(s · m² · Pa)] or less with openings therein gasketed or sealed.
2. Doors and openable windows meet the air leakage requirements of Chapter 13, Section 606 of the *Florida Building Code, Building*; and
3. Caulking or sealants are applied to areas such as joints around window and door frames between sole plates and floors, between wall-ceiling joints, between wall panels, at penetrations for plumbing, electrical and gas lines, and at other openings.

VACUUM BREAKERS. A device which prevents backsiphonage of water by admitting atmospheric pressure through ports to the discharge side of the device.

VALUE. The estimated current replacement cost of the building in kind.

VAPOR PERMEABLE MEMBRANE. A material or covering having a permeance rating of 5 perms ($52.9 \cdot 10^{-10}$ kg/Pa · s · m²) or greater, when tested in accordance with the desiccant method using Procedure A of ASTM E 96. A vapor permeable material permits the passage of moisture vapor.

VAPOR RETARDER. A vapor resistant material, membrane or covering such as foil, plastic sheeting, or insulation facing having a permeance rating of 1 perm ($5.7 \cdot 10^{-11}$ kg/Pa · s · m²) or less, when tested in accordance with the dessicant method using Procedure A of ASTM E 96. Vapor retarders limit the amount of moisture vapor that passes through a material or wall assembly.

VENT. A passageway for conveying flue gases from fuel-fired appliances, or their vent connectors, to the outside atmosphere.

VENT COLLAR. See "Flue collar."

VENT CONNECTOR. That portion of a venting system which connects the flue collar or draft hood of an appliance to a vent.

VENT DAMPER DEVICE, AUTOMATIC. A device intended for installation in the venting system, in the outlet of an individual, automatically operated fuel burning appliance and that is designed to open the venting system automatically when the appliance is in operation and to close off the venting system automatically when the appliance is in a standby or shutdown condition.

VENT GASES. Products of combustion from fuel-burning appliances, plus excess air and dilution air, in the venting system above the draft hood or draft regulator.

VENT STACK. A vertical vent pipe installed to provide circulation of air to and from the drainage system and which extends through one or more stories.

VENT SYSTEM. Piping installed to equalize pneumatic pressure in a drainage system to prevent trap seal loss or blow-back due to siphonage or back pressure.

VENTILATION. The natural or mechanical process of supplying conditioned or unconditioned air to, or removing such air from, any space.

VENTING. Removal of combustion products to the outdoors.

VENTING SYSTEM. A continuous open passageway from the flue collar of an appliance to the outside atmosphere for the purpose of removing flue or vent gases. A venting system is usually composed of a vent or a chimney and vent connector, if used, assembled to form the open passageway.

VERTICAL PIPE. Any pipe or fitting that makes an angle of 45 degrees (0.79 rad) or more with the horizontal.

WALLS. Walls shall be defined as follows:

Load-bearing wall is a wall supporting any vertical load in addition to its own weight.

Nonbearing wall is a wall which does not support vertical loads other than its own weight.

WASTE. Liquid-borne waste that is free of fecal matter.

WASTE PIPE OR STACK. Piping that conveys only liquid sewage not containing fecal material.

WATER-DISTRIBUTION SYSTEM. Piping which conveys water from the service to the plumbing fixtures, appliances, appurtenances, equipment, devices or other systems served, including fittings and control valves.

WATER HEATER. Any heating appliance or equipment that heats potable water and supplies such water to the potable hot water distribution system.

WATER MAIN. A water-supply pipe for public use.

WATER OUTLET. A valved discharge opening, including a hose bibb, through which water is removed from the potable water system supplying water to a plumbing fixture or plumbing appliance that requires either an air gap or backflow pre-vention device for protection of the supply system.

WATER-SERVICE PIPE. The outside pipe from the water main or other source of potable water supply to the water-distribution system inside the building, terminating at the service valve.

WATER-SUPPLY SYSTEM. The water-service pipe, the water-distributing pipes and the necessary connecting pipes, fittings, control valves and all appurtenances in or adjacent to the building or premises.

WET VENT. A vent that also receives the discharge of wastes from other fixtures.

WIND-BORNE DEBRIS REGION. Portions of hurricane-prone regions that are within 1 mile (1.61 km) of the coastal mean high water line where the basic wind speed is 110 mph (48 m/s) or greater; or portions of hurricane-prone regions where the basic wind speed is 120 mph (53 m/s) or greater; or Hawaii. ***

WINDER. A tread with nonparallel edges.

WOOD STRUCTURAL PANEL. A panel manufactured from veneers; or wood strands or wafers; bonded together with waterproof synthetic resins or other suitable bonding systems. Examples of wood structural panels are plywood, OSB or composite panels.

Chapter 9, Section R902, (1)

R902.1 Roofing covering materials. Roofs shall be covered with materials asset forth in Sections R904 and R905. Class A, B or C roofing shall be installed in areas designated by law as requiring their use or when the edge of the roof is less than 3 feet (914 mm) from a property line. Classes A, B and C roofing required to be listed by this section shall be tested in accordance with UL 790 or ASTM E 108.

Exception: Brick, masonry, slate, clay or concrete roof tile; ferrous and copper shingles and shakes; and exposed concrete roof deck are considered to meet Class A roof covering provisions without testing. Metal sheets and shingles are considered to meet Class B roof covering provisions without testing.

APPENDIX E
TABLE 2306.1 — FASTENING SCHEDULE

Connection	Fastener	Number or Spacing
Joist to band joist, face nail	16d common	3
Joist to sill or girder, toe nail	8d common	3
Bridging to joist, toe nail each end	8d common	2
Ledger strip	16d common	3 at each joist
1x6 or less subfloor to each joist, face nail	8d common	2
Over 1x6 subfloor to each joist, face nail	8d common	3
2-inch subfloor to joist or girder, blind and face nail	16d common	2
Sole plate to joist or blocking, face nail	16d common	16" o.c.
Top or sole plate to stud, end nail	16d common	2
Stud to sole plate, toe nail	8d common	4
Doubled studs, face nail	10d common	24" o.c.
Doubled top plates, face nail	10d common	16" o.c.
Top plates, lap and intersections face nail	—	2-16d or 3-10d common
Continuous header, two pieces	16d common	16" o.c. along each edge
Ceiling joists to plate, toe nail	8d common	3
Continuous header to stud, toe nail	8d common	3
Ceiling joists, laps over partitions, face nail	—	3-16d or 4-10d common
Ceiling joists to parallel rafters, face nail	—	3-16d or 4-10d common
Rafter to plate, toe nail	8d common	3
1-inch brace to each stud and plate, face nail	8d common	2
1x8 or less sheathing to each bearing, face nail	8d common	2
Over 1x8 sheathing to each bearing, face nail	8d common	3
Built-up corner studs	16d common	24" o.c.
Built-up girders and beams, of three members	20d common	32" o.c. at top and bottom and staggered 2 ends and at each splice.
2-inch planks	16d common	2 each bearing
Studs to sole plate, end nail	16d common	2 each end
Wood Structural Panel and Particleboard Subflooring[7]		
15/32", 1/2"	6d common, annular or spiral thread	6" o.c. edges and 12" o.c. intermediate
19/32"-3/4"	8d common or 6d annular or spiral thread	6" o.c. edges and 12" o.c. intermediate
1", 1 1/8"	10d common or 8d annular or spiral thread	6" o.c. edges and 6" o.c. intermediate
15/32", 1/2"	16 ga galvanized wire staples, 3/8" minimum crown 1 5/8" length	4" o.c. edges and 7" o.c. intermediate
19/32", 5/8"	16 ga galvanized wire staples, 3/8" minimum crown 1 5/8" length	2 1/2" o.c. edges and 4" o.c. intermediate
Wood Structural Panel and Particleboard Roof & Wall Sheathing		
1/2" or less	6d common (wall) 8d common (roof)	6" o.c. edges and 12" o.c. intermediate
19/32" or greater	8d common	6" o.c. edges and 12" o.c. intermediate
5/16" - 1/2"	16 ga galvanized wire staples, 3/8" min. crown. Length of 1" plus wood structural panel or particleboard thickness	4" o.c. edges and 8" o.c. intermediate

(continued)

205.2.2 Bond beams shall be one of the following:

1. Six-inch thick walls:
   6" thick x 8" high masonry or cast-in-place concrete,
   6" thick x 12" high masonry or cast-in-place concrete,
   6" thick x 16" high masonry or cast-in-place concrete.
2. Eight-inch thick walls:
   8" thick x 8" high masonry or cast-in-place concrete,
   8" thick x 12" high masonry or cast-in-place concrete,
   8" thick x 16" high masonry or cast-in-place concrete.
3. Precast units certified by the manufacturer to be suitable for the loads stipulated in 208.6.1(2), installed in accordance with the manufacturer's specifications, and approved by the building official.

205.2.3 Bond beams shall be reinforced with one No. 5 bar except as otherwise required in Tables 205C and 205D. Reinforcement shall be located in the top of 8-inch and 16-inch bond beams and in the top and bottom of 12-inch bond beams. Reinforcement shall be continuous around corners (See Figure 205A). Where more than one bar is required, only one bar need be continuous around corners.

205.2.4 All splices shall be lapped in accordance with 202.3.3.

205.2.5 Precast bond beams shall properly receive and retain all vertical wall reinforcement. Precast bond beams shall contain the minimum amount of continuous reinforcement indicated in 205.2.3 and shall be reinforced at joints to act as drag struts and diaphragm chords.

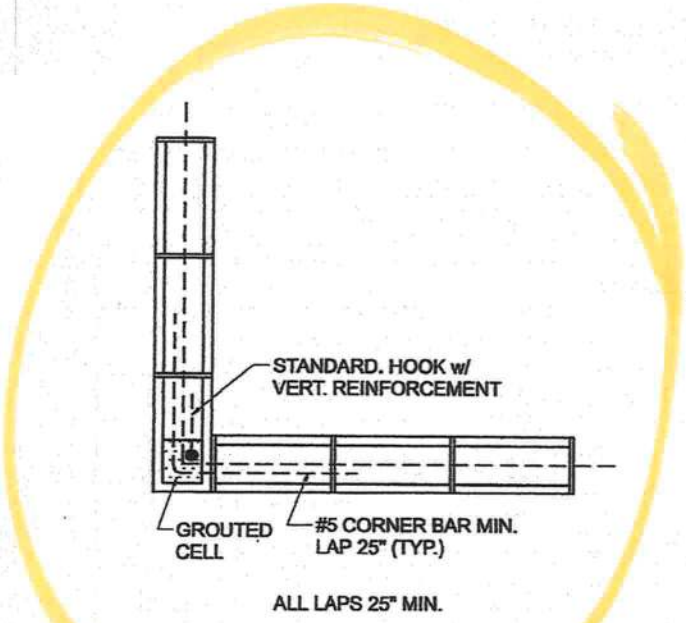


FIGURE 205A
CORNER CONTINUITY OF BOND BEAM AND WALL REINFORCEMENT

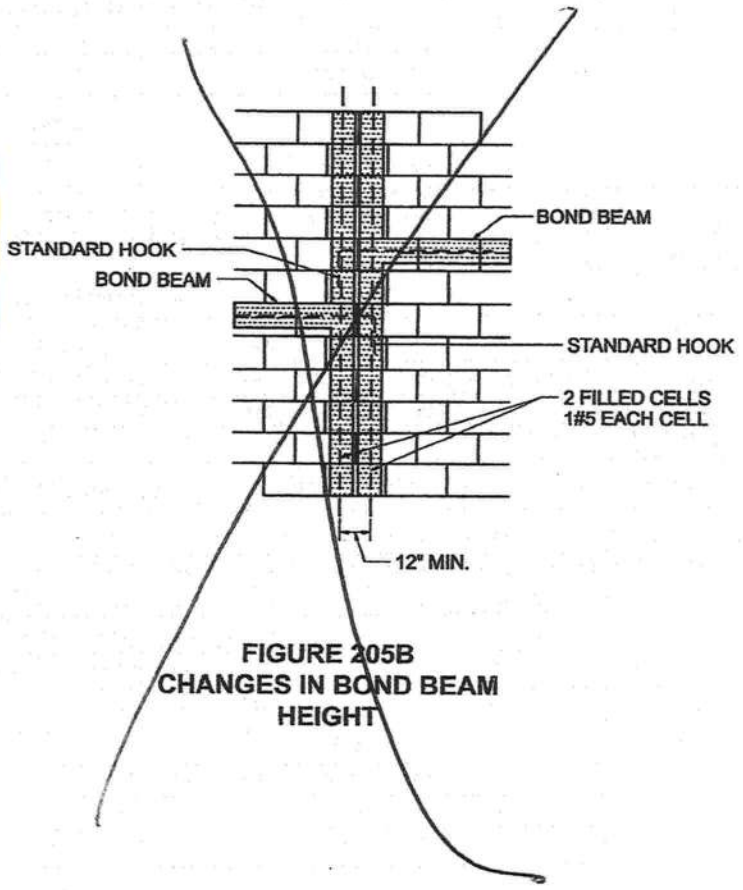


FIGURE 205B
CHANGES IN BOND BEAM HEIGHT

205.3 VERTICAL REINFORCEMENT

205.3.1 Corners: One No. 5 bar shall be provided in each corner, including interior corners and corners created by changes in wall direction or offsetting of walls such as at projected bays and inset porches.

205.3.2 Openings

205.3.2.1 Concrete Walls: One No. 5 bar shall be provided on each side of openings wider than 12 inches.

205.3.2.2 Masonry Walls: One No. 5 bar shall be provided on each side of openings wider than 6 feet. Two No. 5 bars or one No. 7 bar are required on each side of openings wider than 12 feet in buildings in 120 mph - 140 mph zones and in buildings wider than 40 feet in 110 mph - 120 mph zones.

205.3.3 Girders: One No. 5 bar shall be provided at all locations where girders or girder trusses bear on masonry walls.

205.3.4 Shearwalls: Vertical reinforcement shall be provided at the ends of each shearwall segment in accordance with Section 205.5.5 of this standard.

205.3.5 Spacing of Vertical Reinforcement: Vertical reinforcement shall be provided for the design windspeed specified in Table 205C or 205D as applicable.

1. For spacing of reinforcement at continuous gable endwalls, (See 205.4).
2. Reinforcement shall not be required to be spaced closer than 4 ft on center.
3. Vertical reinforcement used in conjunction with precast bond beams shall be spaced the same as for masonry bond beams unless other spacing is substantiated by the beam manufacturer and approved by the building official and shall hook into the precast beam in accordance with 205.7.

TABLE 205C [4,5,6]
SINGLE-STORY VERTICAL WALL REINFORCEMENT SPACING AND BOND BEAM REQUIREMENTS

		100 mph					120 mph					140 mph				
		Building Width														
		24'	36'	44'	52'	60'	24'	36'	44'	52'	60'	24'	36'	44'	52'	60'
Bond Beam Ht.	Ceiling Height	Maximum Wall Reinforcing Steel Spacing, ft.														
		6" Concrete or Masonry														
8"	8'	10[f]	8	8	6[2]	6[2]	8[f]	6[2]	4[2]	4[2]	4[2]	6	4[2]	4[2]	4[3]	4[3]
	10'	8[f]	6	6[2]	6[2]	4[2]	6	6[2]	4	4	4[3]	4	4[2]	4[2]	4[3]	4[3]
12" & 16"	8'	10[f]	10[f]	10[f]	10[f,2]	10[f,2]	8[f]	8[f]	8[f,2]	8[f,2]	8[f,2]	8[f]	8[f,2]	6[2]	6[2]	6[2]
	10'	8[f]	8[f]	6[2]	6[2]	6[2]	6	6[2]	6[2]	6[2]	4[2]	4	4[2]	4[2]	4[2]	4[3]
		8" Concrete or Masonry														
8"	8'	12	8	8[2]	6[2]	6[2]	8	8[2]	6[2]	6[3]	6[3]	8[2]	6[2]	4[2]	4[2]	4[2]
	10'	10	8	8[2]	6[2]	6[3]	8	6[2]	6[2]	6[3]	4[3]	6[2]	6[2]	4[3]	4[3]	4[3]
	12'	8	8[2]	6[2]	6[2]	6[2]	6[a,2]	6[2]	6[3]	6[3]	4[3]	4[a,2]	4[a,2]	4[3]	4[3]	4[3]
	16'	4[a,3]	4[a,3]	4[a,3]	4[a,3]	4[a,3]	4[a,2]	4[a,3]	4[a,3]	4[3]	4[3]	4[e,2]	4[e,3]	4[e,3]	NP	NP
	20'	4[2]	4[2]	4[3]	4[3]	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
12" & 16"	8'	10[g]	10[g]	10[g,2]	10[g,2]	10[g,2]	10[h]	10[h]	10[h,2]	10[h,2]	10[h,2]	10[f]	10[f,2]	10[f,2]	8[c,3]	8[c,3]
	10'	10[f]	10[c]	10[c,2]	10[c,2]	10[c,2]	8[d]	8[c,2]	8[c,2]	8[c,2]	8[c,3]	8[c,2]	6[a,d,2]	6[a,d,2]	6[a,3]	6[a,3]
	12'	8[a,d]	8[a,d,2]	8[a,d,2]	8[a,d,2]	8[a,d,3]	6[a,d]	6[a,d,2]	6[a,d,2]	6[a,d,3]	6[a,d,3]	4[b,2]	4[b,2]	4[b,3]	4[b,3]	4[a,3]
	16'	4[a]	4[a,2]	4[a,2]	4[a,2]	4[a,2]	4[a,2]	4[a,2]	4[a,2]	4[a,3]	4[3]	4[e,2]	4[e,3]	4[e,3]	4[e,3]	NP
	20'	4[e,2]	4[e,2]	4[e,3]	4[e,3]	4[e,3]	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP

205.3.6 Duplication: Reinforcing steel requirements are not additive. A single reinforcing bar may fulfill more than one requirement. For example, a single bar will satisfy the requirements for a bar at the side of an opening which occurs at the same location as a bar required by Tables 205C and 205D. In all cases, the most stringent requirements shall be applied.

205.3.7 Wall Reinforcement Summary: See Figure 205N.

205.3.8 Connection: For information regarding the connection of vertical wall reinforcing to footings and bond beams (See 205.7).

TABLE 205H
SHEARWALL SEGMENT LENGTHS - ENDWALLS
BUILDINGS WITH 8-FT CEILING HEIGHTS
8-INCH CONCRETE OR MASONRY

		100 mph					120 mph					140 mph				
		Building Width														
		24'	36'	44'	52'	60'	24'	36'	44'	52'	60'	24'	36'	44'	52'	60'
Story	Building L/W[3]	Minimum Shearwall Length, ft.														
Single-story and Top Story of Multi-story	0.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
	1.0	0.7	0.7	0.7	0.7	1.0	0.7	0.7	0.7	0.7	1.6	0.7	0.7	0.7	1.8	2.3
	1.5	0.7	0.7	1.1	1.6	2.2	0.7	1.1	1.7	2.4	3.1	0.7	1.7	2.5	3.3	4.1
	2.0	0.7	1.2	1.9	2.6	3.3	0.7	1.9	2.8	3.6	4.5	1.3	2.7	3.7	4.8	5.8
	2.5	0.7	1.9	2.8	3.6	4.5	1.3	2.8	3.8	4.9	5.9	1.9	3.7	5.0	6.2	7.5
	3.0	1.2	2.6	3.6	4.6	5.6	1.9	3.6	4.9	6.1	7.4	2.6	4.7	6.2	7.7	9.3
	4.0	2.1	4.0	5.3	6.6	7.9	3.0	5.3	6.9	8.6	10	4.0	6.8	7.6	11	13
Bottom Story of Two-story	0.5	0.7	0.9	1.5	2.1	2.7	0.7	1.5	2.3	3.0	3.8	1.0	2.2	3.1	4.0	5.0
	1.0	1.5	3.0	4.1	5.0	6.9	2.2	4.1	5.4	6.8	8.2	3.1	5.3	6.9	8.6	10
	1.5	2.8	5.0	6.6	8.1	9.7	3.9	6.6	8.5	10	12	5.1	8.4	11	13	15
	2.0	4.2	7.0	9.1	11	13	5.6	9.1	12	14	17	7.1	11	14	17	20
	2.5	5.5	9.1	11	14	17	7.2	12	15	18	21	9.1	14	18	22	26
	3.0	0.8	11	14	17	20	8.8	14	18	21	25	11	17	22	26	31
	4.0	9.5	15	19	23	27	12	19	24	29	34	15	23	26	35	41

NOTES:

1. Shearwall segments shall be integral with the concrete or masonry over the opening on at least one side. Maximum pier height (height or that opening) shall be as follows:
   a. 4 ft 8 in for a 2 ft segment with 1 #5 each end.
   b. 8 ft for a 2 ft segment with 2 #5 or 1 #7 each end.
   c. 8 ft for a 4 ft segment or larger with 1 #5 each end.
   d. The pier height may be increased by the factor: SL_P/SL_R
   where:
   SL_P = Shearwall segment length provided
   SL_R = Shearwall length required
2. For ceiling heights other than 8 ft, the following multipliers shall be applied:

Ceiling Height, ft	Top & Single Story Multiplier	Bottom Story Multiplier
10	1.4	1.3
12	1.9	1.5
16	2.7	2.0
20	3.5	2.5

1.4 × .7 = .98

3. Ratio of building length to width. If interior shearwalls are used, use shearwall spacing for L in determining length/width.
4. The minimum length of any shearwall segment shall be 2 ft after adjustments. Values less than 2 ft are shown only for summation of shearwall segments for nonrectangular buildings and for interpolation purposes.
5. Shearwall segment lengths specified are good for roof angles up to and including 30° (7:12 roof slope). For roof slopes over 30° up to 45° (12:12 roof slope) the following multipliers shall be applied:

Roof Slope	Top & Single Story Multiplier	Bottom Story Multiplier
8:12	1.20	1.0
10:12	1.25	1.1
12:12	1.30	1.1

6. For 6-inch concrete or masonry units, table values shall be multiplied by the following before applying other multipliers:

Table Value	Multiplier
0-2 ft	1.50
> 2-4 ft	1.35
> 4 ft	1.30

7. For concrete or solid grouted masonry, shearwall segment lengths may be adjusted as follows:

Length Required	Multiplier
0-2 ft	1.0
> 2-4 ft	0.7
> 4-8 ft	0.5
> 8 ft	0.4

8. For three-story buildings, the second-story shearwall segment requirements shall be as determined for the bottom story of a two-story building. The shear segment length of the bottom story of a three-story building shall be that for the bottom story of a two-story building multiplied by 1.8.

TABLE 205J
SHEARWALL SEGMENT LENGTHS - SIDEWALLS
BUILDINGS WITH 8-FT CEILING HEIGHTS
8-INCH CONCRETE OR MASONRY

		100 mph					120 mph					140 mph				
		Building Width														
		24'	36'	44'	52'	60'	24'	36'	44'	52'	60'	24'	36'	44'	52'	60'
Story	Roof Slope	Minimum Shearwall Length, ft.														
Single Story and Top Story of Multi-story	4:12 (18.4°)	0.7	0.7	0.7	1.1	1.8	0.7	0.7	1.0	1.8	2.7	0.7	0.7	1.6	2.6	3.8
	6:12 (26.6°)	0.7	0.7	1.0	1.9	2.9	0.7	0.8	1.7	2.8	4.0	0.7	1.3	2.4	3.7	5.2
	8:12 (33.7°)	0.7	0.7	1.6	2.7	4.0	0.7	1.2	2.4	3.8	5.4	0.7	1.8	3.3	5.0	6.8
	10:12 (39.8°)	0.7	1.0	2.2	3.6	5.1	0.7	1.7	3.1	4.8	6.8	0.7	2.4	4.2	6.2	8.5
	12:12 (45°)	0.7	1.4	2.8	4.4	6.3	0.7	2.2	3.9	5.9	8.2	0.7	3.0	5.0	7.5	10
Bottom Story of Two Story	4:12 (18.4°)	0.7	2.2	3.3	4.4	5.7	1.5	3.1	4.4	5.9	7.4	2.0	4.1	5.7	7.5	9.4
	6:12 (26.6°)	0.9	2.1	3.9	5.3	6.8	1.6	3.6	5.2	6.9	8.9	2.3	4.7	6.7	8.8	11
	8:12 (33.7°)	1.1	3.0	4.5	6.1	8.0	1.8	4.1	5.9	8.0	10	2.5	5.3	7.6	10	13
	10:12 (39.8°)	1.3	3.4	5.1	7.0	9.2	2.0	4.6	6.7	9.1	13	2.8	5.9	8.5	11	15
	12:12 (45°)	1.5	3.8	5.7	7.9	10	1.3	5.1	7.5	10	13	3.1	6.6	9.4	13	16

NOTES:

1. Shearwall segments shall be integral with the concrete or masonry over the opening on at least one side. Maximum pier height (height of that opening) shall be as follows:
   a. 4 ft 8 in for a 2 ft segment with 1 #5 each end.
   b. 8 ft for a 2 ft segment with 2 #5 or 1 #7 each end.
   c. 8 ft for a 4 ft segment or larger with 1 #5 each end.
   d. The pier height may be increased by the factor: SL_P/SL_R
   where:
   SL_P = Shearwall segment length provided
   SL_R = Shearwall segment length required
2. For ceiling heights other than 8 ft, the following multipliers shall be applied:

Ceiling Height, ft	Top & Single Story Multiplier	Bottom Story Multiplier
10	1.4	1.3
12	1.9	1.5
16	2.7	2.0
20	3.5	2.5

3. The minimum length of any shearwall segment shall be 2 ft after adjustments. Values less than 2 ft are shown only for summation of shearwall segments for nonrectangular buildings and for interpolation purposes.
4. For 6-inch concrete or masonry, table values shall be multiplied by the following before applying other multipliers:

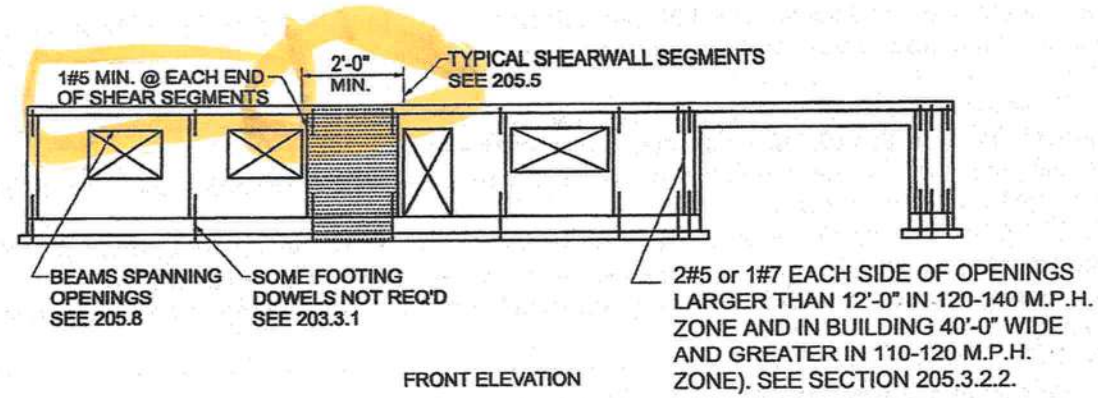
Table Value	Multiplier
0-2 ft	1.50
> 2-4 ft	1.35
> 4 ft	1.30

5. For concrete or solid grouted masonry, shearwall segment lengths may be adjusted as follows:

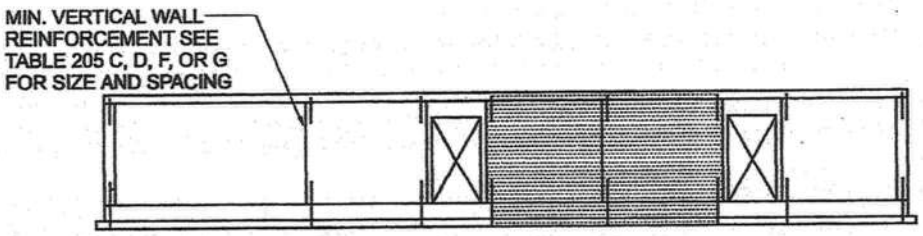
Length Required	Multiplier
0-2 ft	1.0
> 2-4 ft	0.7
> 4-8 ft	0.5
> 8 ft	0.4

6. For three-story buildings, the second-story shearwall segment requirements shall be as determined for the bottom story of a two-story building. The shear segment length of the bottom story of a three-story building shall be that for the bottom story of a two-story building multiplied by the following factor:

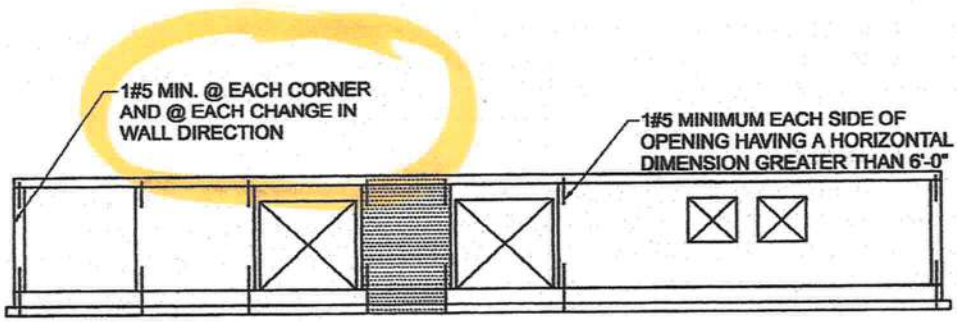
Building Width, ft	Multiplier
24	1.8
36	1.7
44	1.6
52	1.6
60	1.5



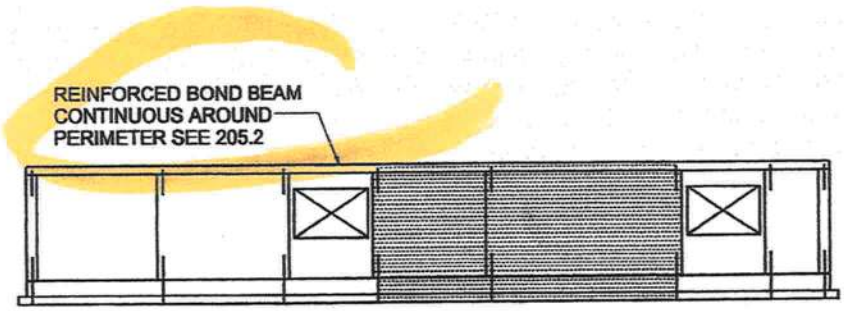
FRONT ELEVATION



RIGHT ELEVATION



REAR ELEVATION



LEFT ELEVATION

FIGURE 205N
EXTERIOR WALL REINFORCEMENT SUMMARY
ONE STORY (TWO STORY SIMILAR)

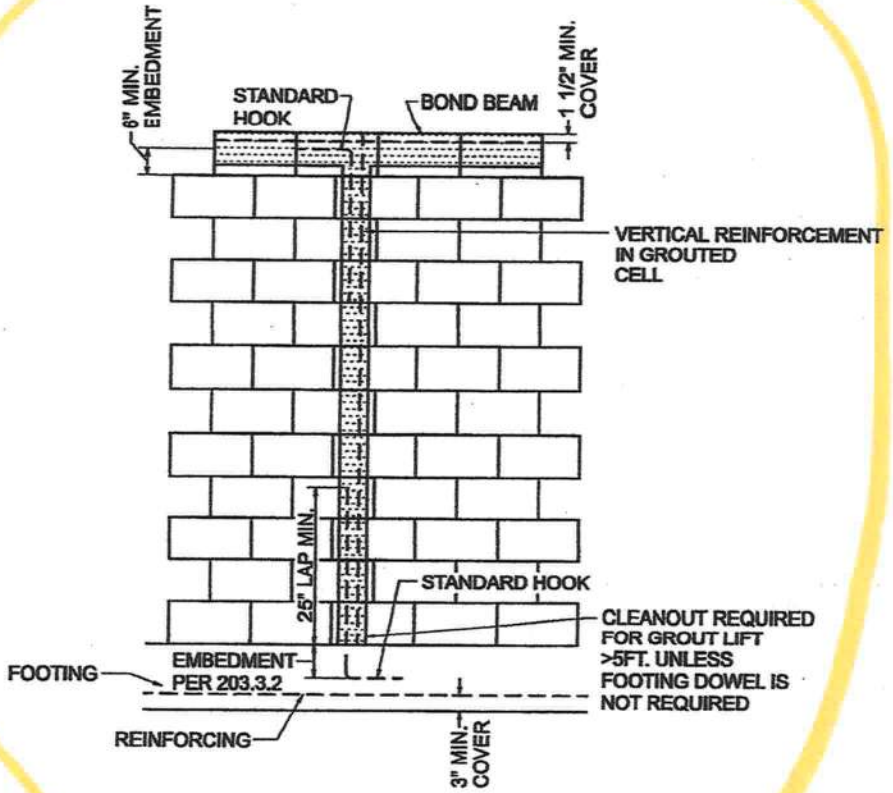


FIGURE 205L
ONE-STORY CONCRETE OR MASONRY WALL

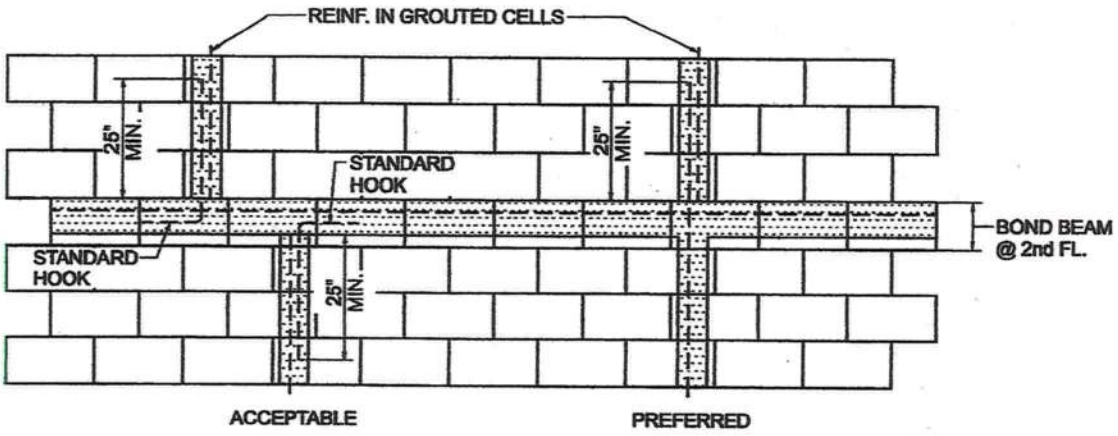


FIGURE 205M
CONTINUITY OF FIRST- AND SECOND-FLOOR VERTICAL WALL REINFORCEMENT

TABLE 208E
WIND UPLIFT LOADS AT TOP OF SIDEWALL
(Pounds per Truss/Rafter)
(NOTE: See 208.6 for requirements)

Roof & Ceiling Dead Load[1]	100 mph					120 mph					140 mph				
	Building Width														
	24'	36'	44'	52'	60'	24'	36'	44'	52'	60'	24'	36'	44'	52'	60'
	Uplift Loads for 12" truss/rafter spacing														
5 psf	310	445	535	630	720	400	570	690	810	930	580	830	1000	1165	1340
7 psf	285	405	485	570	655	370	530	640	750	865	545	785	940	1105	1265
10 psf	240	345	415	490	560	330	470	570	670	770	500	715	860	1010	1155
15 psf	170	245	295	350	400	260	370	450	530	610	420	600	720	845	970
20 psf	100	145	175	210	240	190	270	330	390	450	340	485	580	680	785
25 psf	30	45	55	70	80	120	170	210	250	290	255	365	440	520	600
	Uplift Loads for 16" truss/rafter spacing														
5 psf	415	595	715	835	960	535	765	920	1075	1235	775	1105	1330	1555	1790
7 psf	375	540	650	760	875	495	710	855	1000	1150	725	1045	1235	1470	1690
10 psf	320	460	555	650	750	440	630	760	890	1025	665	955	1145	1340	1545
15 psf	230	325	395	465	535	345	495	600	705	810	560	795	960	1125	1295
20 psf	135	195	235	275	320	255	365	440	515	595	450	640	775	905	1045
25 psf	40	60	75	90	110	160	230	280	330	385	340	490	585	690	800
	Uplift Loads for 24" truss/rafter spacing														
5 psf	620	890	1070	1255	1440	800	1145	1380	1615	1855	1155	1655	1995	2340	2680
7 psf	565	810	975	1145	1315	745	1065	1280	1505	1725	1090	1560	1880	2205	2535
10 psf	480	690	830	975	1120	660	945	1140	1335	1535	995	1425	1720	2015	2310
15 psf	340	490	590	695	800	520	745	900	1055	1215	830	1190	1440	1690	1940
20 psf	200	290	350	415	480	380	545	660	775	890	670	1040	1160	1365	1570
25 psf	60	90	110	135	160	240	345	420	495	575	505	725	885	1040	1195

NOTES:

1. Individual connector ratings shall not be less than 100 lbs for uplift.
2. Roof and ceiling dead loads shall be actual loads provided, not counting the roof covering. In the absence of more accurate data, the following roof and ceiling dead loads shall be used: 7 psf for truss assembly (roof sheathing, trusses, gypsum ceiling); 7 psf for rafter assembly (roof sheathing, rafters, gypsum ceiling); 10 psf for rafter/ceiling assembly (roof sheathing, rafters and ceiling joists).
   EXCEPTION: Where roof tile is installed in accordance with the SBCCI Standard for Determining the Wind Resistance of Concrete and Clay Roof Tile, the actual weight of the tile shall be permitted to be included in the total roof and ceiling dead load.
3. The following adjustments shall be permitted (uplift shall not be less than 100 lbs per connector after adjustment):
   a. The required uplift capacity shall be permitted to be reduced by 30% (multiply by 0.70) for connections at least w/5 from corners but not less than 6 feet.
   b. The values in the tables assume a maximum eave height of 30 ft. When the eave height is 12 ft or less, the values shall be permitted to be reduced by 20% (multiply by 0.80).
   c. Footnote 3b shall be permitted to be applied simultaneously with footnote 3a.

208.6 CONNECTIONS FOR WOOD ROOF SYSTEMS

208.6.1 Sidewall: Truss/Rafter to Bond Beam. Each truss/rafter shall be anchored at each end with rated connectors capable of resisting the uplift and horizontal loads specified (Refer to Figure 208F).

1. The connector shall be installed in accordance with the manufacturer's instructions.
2. The uplift design loads at each truss/rafter bearing shall be not less than specified in Table 208E. In addition to uplift loads, connections shall be capable of resisting lateral loads parallel to the wall equal to the amount determined in Table 208C times the connector spacing in feet. Loads perpendicular to the wall shall be as follows for an 8 ft ceiling height and roof framing spaced 24 inches on center:

   100 mph - 200 lbs per roof framing member
   120 mph - 250 lbs per roof framing member
   140 mph - 350 lbs per roof framing member.

   The following adjustments are required for loads perpendicular to the wall:
   a) for ceiling heights other than 8 ft, multiply by ceiling height in ft divided by 8
   b) for roof framing spaced other than 24 inches o.c., multiply by actual spacing in inches divided by 24.

   For single-story buildings, the loads perpendicular to the wall may be multiplied by 0.9.

Install connectors per manufacturer's recommendation:
The first two connectors shown are embedded in bond beam.
The last two connectors shown are attached to bond beam with concrete screws.
Note: For rafter construction, straps shall extend such that the top nail is within 1 inch of the top of the rafter, or preferably shall be wrapped around the top of the rafter with one or more nails installed on the opposite side of the rafter.

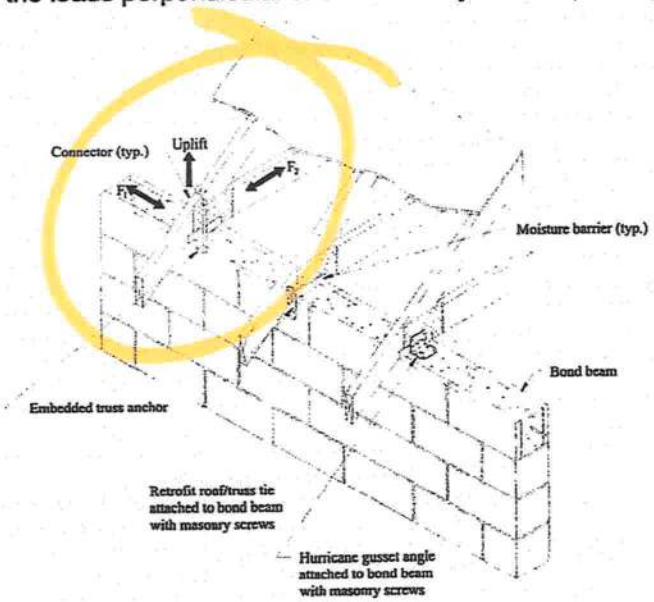


FIGURE 208F
ROOF TO MASONRY SIDEWALL CONNECTION
DIRECT TO BOND BEAM

208.6.2 Sidewall: Bolted Top Plate Alternate. See Figure 208G.

1. Materials shall comply with the following:
   1. Anchor bolts - Nominal 1/2 inch diameter A 307.
   2. Washers - A 36, 2-inch diameter with 9/16-inch centered hole, 1/8" thick; or 2"x2"x1/8" thick square washer with 9/16" centered hole.
   3. Nuts - Steel nuts shall be supplied to fit the bolt by the bolt manufacturer.
   4. Top plate shall be one of the following:
      a. 2x4 with an F_b value of 2150 (Southern Pine #2 or better).
      b. 2x6 with an F_b value of 1216 (S-P-F #3 or better).
      c. 2x8 with an F_b value of 870 (S-P-F #3 or better).
      NOTE: See Table 305A for F_b values of wood.
2. Anchor bolts shall be spaced as follows:

   100 mph - 24" o.c. maximum
   120 mph - 21" o.c. maximum
   140 mph -16" o.c. maximum
3. The maximum bolt hole diameter in the top plate shall be 9/16 inch.
4. Where splices are necessary in the plate, a bolt shall be placed a maximum of 6 inches from each side of the splice.
5. A bolt shall be placed a maximum of 12 inches from each end of a plate.
6. The truss/rafter shall be fastened to the top plate with rated connectors capable of resisting the loads specified above in 208.6.1(2). Installation shall be in accordance with manufacturer's instructions.
7. Where more nailing area is required for uplift connectors than is available on the 1 1/2" face of a single top plate, connectors may be prenailed to the bottom (concealed) face of the plate or a double top plate may be used.

META/HETA/HHETA/HETAL/DETAL/TSS *Embedded Truss Anchors and Truss Seat Snap-In*

The embedded truss anchor series provides an engineered method to properly attach roof trusses to concrete and masonry walls. The products are designed with staggered nail patterns for greater uplift resistance. Information regarding the use of two anchors on single- and multi-ply trusses is included.

The TSS, a companion product of the META, provides a moisture barrier between the concrete and truss. The preassembled unit is riveted with no height adjustment.

NEW! The DETAL20 is a high capacity embedded truss anchor for attachment of single-ply trusses to concrete and masonry walls. It combines dual embedded anchors with a structural moisture-barrier seat that is partially embedded in the concrete or grout. This seat serves to protect the truss and also provides additional lateral and uplift capacity. The embedded anchors are pre-attached to the moisture barrier through slots that allow for a slight amount of adjustability, providing flexibility during installation to avoid rebar. The moisture-barrier seat includes tabs at each end for optional attachment to the form board in concrete tie-beam applications.

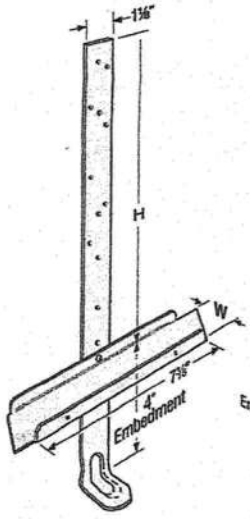
MATERIAL: HHETA–14 gauge; HETA–16 gauge; HETAL–strap 16 gauge, truss seat 18 gauge; META–18 gauge; TSS–22 gauge; DETAL–16 gauge *(Barrier–18 gauge)*

FINISH: Galvanized. Some products available in ZMAX® coating; see Corrosion Information, page 10-11.

INSTALLATION:
- Use all specified fasteners. See General Notes.
- The META, HETA and HHETA are embedded 4" into a concrete beam or grouted block wall; HETAL is embedded 5⅛"; DETAL is embedded 4½".
- The DETAL20 is installed centered and flush on top of an 8" masonry bond beam or concrete tie beam. The moisture barrier seat bears on masonry face shell or concrete tie beam form boards; the two flanges embed into grout or concrete. The two embedded anchors shall be installed vertically into grout or concrete.
- The TSS moisture barrier may be preattached to the truss using 6d commons.
- A shim is required between the truss and the embedded truss anchor when there is a space of ⅛" to 1½".
- In double embedded anchor installations, do not install fasteners where the straps overlap when wrapped over the truss heel.

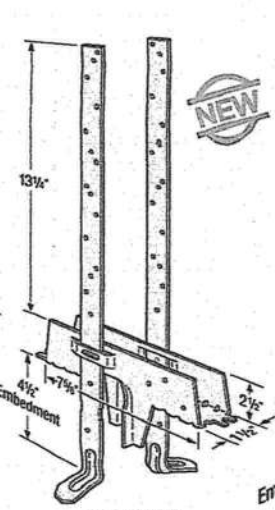
CODES: See page 12 for Code Reference Key Chart.

These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.

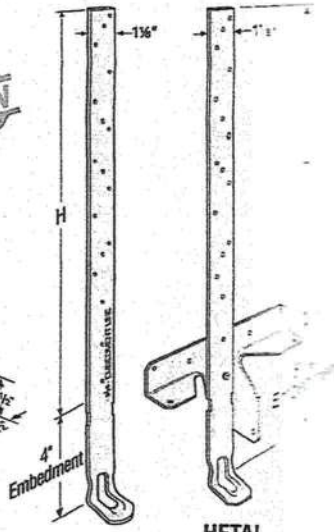


META with TSS

Model No.	W
TSS2	1¾
TSS2-2	3⅛
TSS4	3⅝

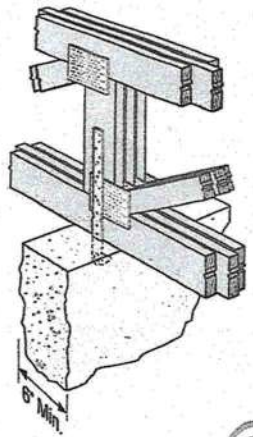


DETAL20

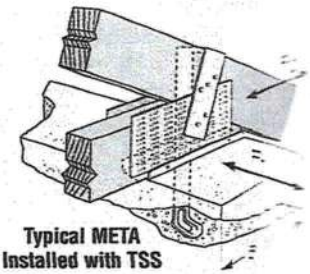


HETA20 *(HHETA similar)*

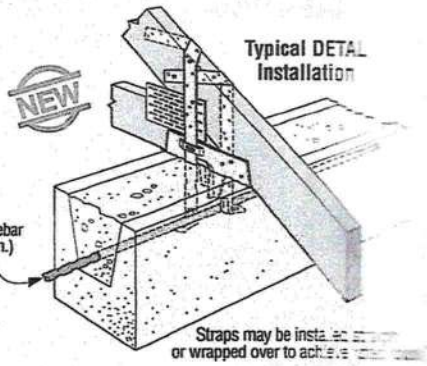
HETAL



Typical HETA20 Installation



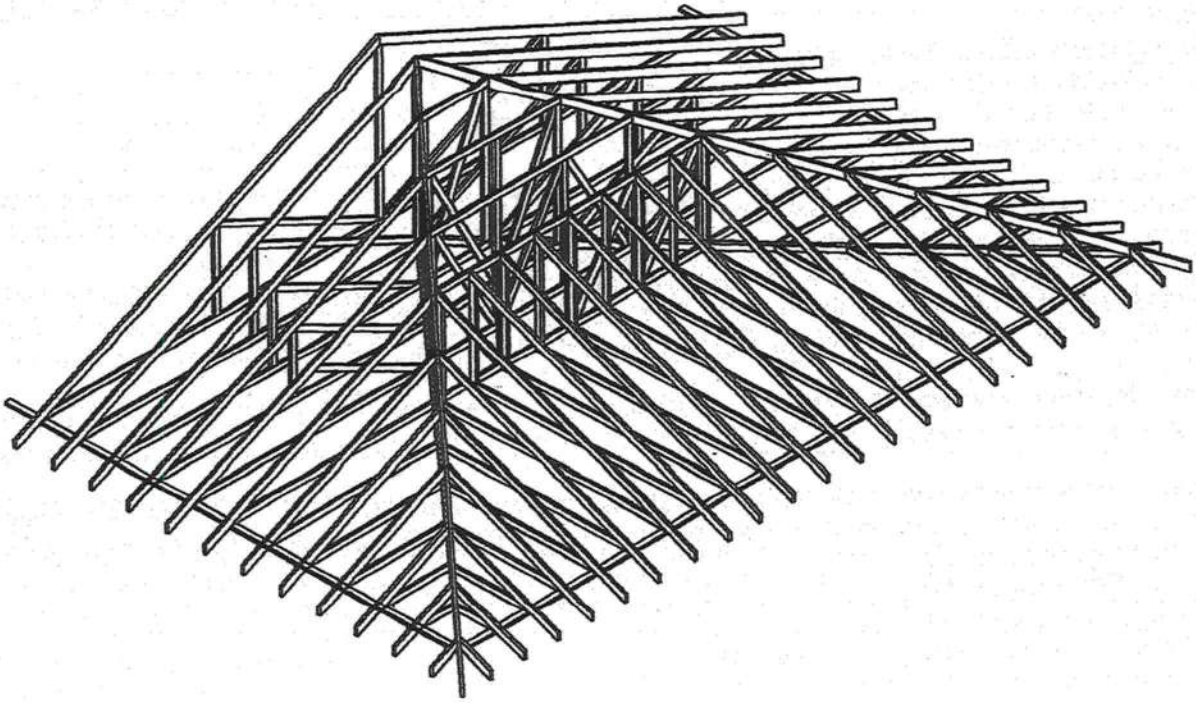
Typical META Installed with TSS



Single Embedded Anchor Installation

Model No.	H	SP Uplift Load 160 Load Duration Increase				Lateral Loads (160)		Code Ref.
		10dx1½		16d				
		Quantity	Load	Quantity	Load	F_1	F_2	
META12	8	7	1450	6	1450	340	725	
META14	10	7	1450	6	1450	340	725	
META16	12	7	1450	6	1450	340	725	
META18	14	7	1450	6	1450	340	725	
META20[6]	16	7	1450	6	1450	340	725	
META22	18	7	1450	6	1450	340	725	
META24	20	7	1450	6	1450	340	725	
META40	36	7	1450	6	1450	340	725	
HETA12	8	7	1520	7	1780	340	725	
HETA16	12	9	1810	8	1810	340	725	
HETA20[6]	16	9	1810	8	1810	340	725	F27
HETA24	20	9	1810	8	1810	340	725	
HETA40	36	9	1810	8	1810	340	725	
HHETA12	8	7	1565	7	1820	340	815	
HHETA16	12	10	2235	9	2235	340[7]	815	
HHETA20[6]	16	10	2235	9	2235	340[7]	815	
HHETA24	20	10	2235	9	2235	340[7]	815	
HHETA40	36	10	2235	9	2235	340[7]	815	
HETAL12	7	10[4]	1085	10[4]	1270	415[5]	1100	
HETAL16	11	14[4]	1810	13[4]	1810	415[5]	1100	
HETAL20	15	14[4]	1810	13[4]	1810	415[5]	1100	

1. Loads include a 60% load duration increase on the fasteners for wind or seismic loading.
2. Minimum f'_c = 2500 psi. Minimum f'_m = 1500 psi.
3. For simultaneous loads in more than one direction the connector must be evaluated as described in Note 3 page 14 under Instructions to the Designer.
4. Five nails must be installed into the truss seat of the HETAL.
5. Parallel-to-wall load towards face of HETAL is 1810 lbs.
6. It is acceptable to use a reduced number of fasteners provided that there is a reduction in uplift load capacity. See example on page 151. Lateral loads do not apply when fewer than 7 fasteners are used with the HETA and HHETA anchors or less than 6-16d or 7-10dx1½ fasteners are used with the META anchor.
7. The HHETA allowable F1 load can be increased to 415 lbs if the strap is wrapped over the truss and a minimum of 12 nails are installed.
8. Minimum spacing for multiple anchor installations is the embedment depth for full load. See Double Embedment Anchor Installation table on page 144 for loads on closer spaced anchors.
9. Single ply trusses may use either 10dx1½ or 16d nails. 2 or 3 ply trusses shall use 16d nails.
10. **NAILS:** 16d = 0.162" dia. x 3½" long, 10dx1½ = 0.148" dia. x 1½" long. See page 18-21 for other nail sizes and information.



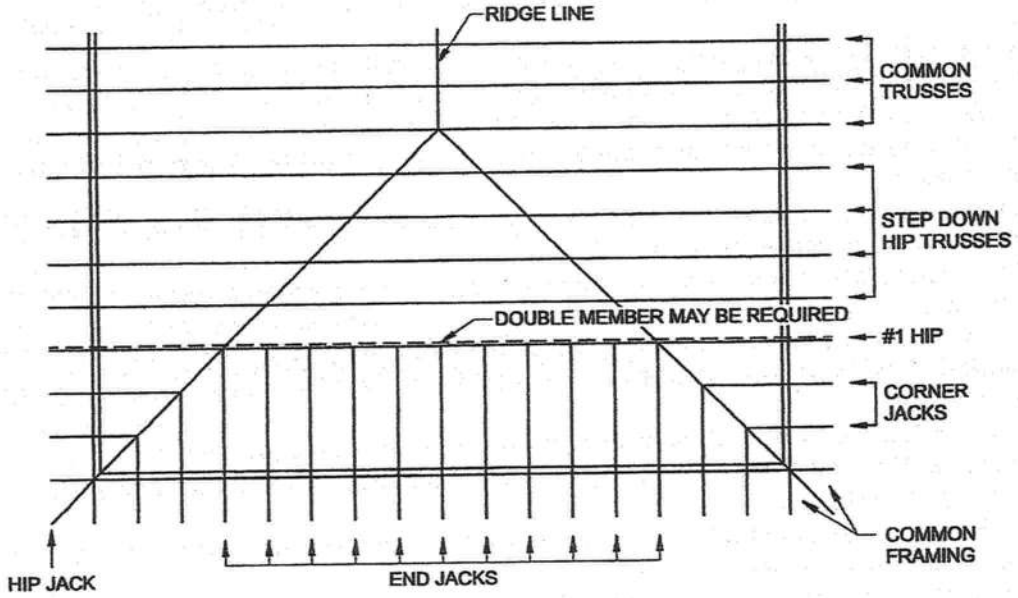


FIGURE 208K
HIP ROOF FRAMING USING TRUSSES

CHECKLIST FOR BUILDINGS WITH MASONRY EXTERIOR WALLS

102.1	**BUILDING GEOMETRY**	
	Number of Stories	1
	Building Width (12 ft - 60 ft 1 story, 18 - 60, 2 story) ..... W =	20'
	Building Length ..... L =	25'
	Length to Width Ratio (L/W) ..... L/W =	1-1
	Building Height (30 ft maximum eave ht) ..... H =	9' 8"
	Ceiling Height (10 ft maximum)	8' 8"
	Roof Type (Gable or Hip)	Hip
	Roof Pitch (2:12 - 7:12)	4/12
	Roof Overhang at Sidewalls (4 ft maximum)	16" @ 3'6" @ Porch
	Rake Overhang at Gable Endwalls (12 in maximum)	NA
105	**NONRECTANGULAR BUILDINGS (Add Leg Dimensions)**	
	Number of Stories	N/A
	Building Width (12 ft - 60 ft 1 story, 18 - 60, 2 story) ..... W =	
	Building Length ..... L =	
	Length to Width Ratio (L/W) ..... L/W =	
	Building Height (30 ft maximum eave ht) ..... H =	
	Ceiling Height (20 ft maximum)	
	Roof Type (Gable or Hip)	
	Roof Pitch (2:12 - 7:12)	
	Roof Overhang at Sidewalls (4 ft maximum)	
	Rake Overhang at Gable Endwalls (12 in maximum)	
104.3	DESIGN WIND SPEED, mph ..... Wind Speed =	120 ~~100~~ MPH
102.2	FOUNDATION TYPE (Check appropriate type):	HS
	1. Stemwall Foundation w/ Slab-On-Grade (3 ft high max)	
	2. Stemwall Foundation w/ Crawl Space (3 ft high max)	
	3. Monolithic Slab-On-Grade	✓
	4. Pile Foundation (requires engineering design)	
202.1	**MATERIALS**	
	Concrete Masonry Units (ASTM C 90, 1900 psi min. Type M or S mortar, 2150 psi min. Type N mortar)	✓
	Clay Masonry Units (ASTM C 62, C 216 or C 652 H40V, 4400 psi min. Type M or S mortar, 5500 psi min. Type N mortar) minimum 6 in. thick	NA
	Mortar (Type M, S, or N, ASTM C 270)	✓
	Grout (3/8 in max. aggregate, 8-11 in slump, 2000 psi in accordance with ASTM C 1019, or in accordance with ASTM C 476)	✓
	Concrete (2500 psi minimum compressive strength)	✓
	Reinforcing Steel (Grade 40 minimum)	~~5/8"~~ Grade ~~40~~
	Corrosion Protection for Metal Accessories (galvanized) ..... ASTM A	✓
	Corrosion Protection for Fasteners and Connectors	✓
	1. Exposed to weather (stainless steel or hot dipped galv.)	✓
	2. Coastal area, salt air exposure (stainless steel or hot dipped galv.)	NA
203	**FOOTINGS AND FOUNDATIONS**	
Table 203A	Stemwall Footing w/2 #5	T ____ W ____
	Monolithic Slab-On-Grade—Exterior w/2 #5	
	Monolithic Slab-On-Grade—Interior w/2 #5	T 20" W 12"
203.3	Footing Dowels to Match Wall Reinforcement with 90° hook, 5 inch or 6 inch min. embedment, and 25 inch lap at:	T 20" W 12"
	1. Building corners	✓
	2. Each side of openings more than 6 ft wide	✓
	3. Ends of each shear wall segment	✓
	4. Other required vertical wall reinforcement of buildings located in 110 mph zone	NA
	5. Other required vertical wall reinforcement in walls of buildings wider than 40 ft located in 100 mph zone	NA
	6. Required vertical reinforcement in exterior walls where aggregate area of openings exceeds 25% of wall area	NA

CHECKLIST FOR BUILDINGS WITH MASONRY EXTERIOR WALLS

204	FLOOR SYSTEMS	
204.1	Suspended Concrete Slabs (hollowcore per manuf. design)	NA
204.2	Monolithic Slab-On-Grade (3 1/2 inch thick min., no reinforcement req'd)	✓
204.3	WOOD FRAME	
	Floor Joists (sized per AF&PA span tables)	NA
	Floor Trusses (designed per TPI spec)	
	Floor Sheathing (7/16-inch wood structural panels)	
	Floor sheathing spans (per Table 2307.6B of SBC)	
	Bracing (4 ft o.c. first two framing spaces each end of floor)	
	Sheathing fasteners (2306 SBC)	
	Connection to Masonry Wall (Table 204E1 and Figure 204F1)	
	(optional stemwall connection per Figure 203D)	
	Floor Diaphragm (check capacity with Tables 204G and 204H)	
	Shear capacities of diaphragm assemblies (Tables 304C1 and 304C2)	NA
	connection to ICF Wall (Table 204E2 and Figures 204F2, 204F3, 204F4, 204F5, and 204F6	
205	MASONRY WALLS	
205.1	6-inch Thick (1-story w/ 10 ft max. clg. ht. or top story w/ 8 ft max. clg. ht)	
	8-inch Thick (All others):	✓
205.2	BOND (TIE) BEAMS (at top, each floor and gable):	✓
Table 205C	6-in walls: 6x8 high masonry or cip concrete	NA
Table 205D	6x12 high masonry or cip concrete	NA
	6x 16 high masonry or cip concrete	NA
	8-in walls: 8x8 high masonry or cip concrete	✓
	8x12 high masonry or cip concrete	NA
	8x16 high masonry or cip concrete	NA
207.6.1(3)	Approved Precast Bond Beam	✓
205.3	VERTICAL REINFORCEMENT	
	One #5 each corner	✓
	One #5 each side of openings wider than 12 inches for concrete walls	NA
	One #5 each side of openings wider than 6 ft for masonry walls	✓
	Two #5 or one #7 (openings wider than 12 ft in 110 mph zone)	
	Two #5 or one #7 (openings wider than 12 ft, bldgs wider than 40 ft in 100 mph zone)	NA
	One #5 where girders or girder trusses bear on masonry walls	NA
	Wall Spacing per Tables 205C and 205D	✓
	Shear Wall Spacing per 205.5.5	✓
205.4	CONTINUOUS MASONRY GABLE	
	Rake Beam: cip concrete, 4-in high min. w/ 1 #5	N.A
	2x nailer bolted to rake beam, spaced in accordance with 205E	
	Alternate: Ceiling diaphragm per 207	
205.5	EXTERIOR SHEARWALLS	
	Required shearwall length at endwalls (Table 205H)	0.7'
	Required shearwall length at sidewalls (Table 205J)	0.7'
	Maximum distance between shearwalls = 2.5 x bldg. width 2.5W =	N/A
	Minimum shearwall length = 2 ft or 4 ft per 205.5.1	2'
	Sum of shearwall segments per 205.5.2	
	Shearwall segments connected by bond beam	✓
	Shearwall openings: 5 in. for piers and 12 in. above and below piers max. dimension, 144 in² max.	
	Shearwall reinforcing per 205.5.1	✓ 1#5 Rd. E4. End
205.6	INTERIOR SHEARWALLS	
	When used, can decrease length/width ratio New L/W =	NA
	Interior bond beam full width of building	
	Top of shearwall supported per Figure 207H	
205.7	CONTINUITY OF VERTICAL WALL REINFORCEMENT	
	Minimum lap splices: #5 to #5 = 25 inches	✓
	#7 to #7 = 35 inches	NA
	One #5 to one #7 = 25 inches	NA
	two #5 to one #7 = 35 inches	NA
	Standard hook embedded 6 inches into bond beam: 10-in leg for #5	✓
	14-in leg for #7	NA

CHECKLIST FOR BUILDINGS WITH MASONRY EXTERIOR WALLS

205.8 ASSEMBLIES AND BEAMS SPANNING OPENINGS

	Pre-engineered assemblies for masonry walls:	
	Extend 4 inches past each side of opening	✓
	Precast—bottom story and top story of 2 story, Table 205P1	✓
	Precast—bottom story of 2 story, second and bottom story of three-story building w/wood floor, Table 205P2	
	Precast—bottom story of 2 story, second and bottom story of three-story building w/hollowcore floor, Table 205P3	NA
	Continuous Bond Beam Acting as Lintel:	NA
	1 story and top story of 2 story, Table 205R1	✓
	Bottom story of 2 story, second and bottom story of three-story building w/wood floor, Table 205R2	
	Bottom story of 2 story, second and bottom story of three-story building w/hollowcore floor, Table 205R3	NA
	Bond Beam Combined with Lintel:	NA
	1 story and top story of 2 story, Table 205S1	✓
	Bottom story of 2 story, second and bottom story of three-story building w/wood floor, Table 205S2	
206	INSULATED CONCRETE FORM (ICF) WALL SYSTEMS	NA
207	CEILING SYSTEMS	
207.1	Ceiling Diaphragms (req'd. when endwall stops at ceiling)	NA
207.3	Gypsum ceiling diaphragm at sidewall, Fig. 207C	
	Gypsum ceiling diaphragm at endwall, Fig. 207D, 207E	
	Wood structural panel ceiling diaphragm, Table 207F, Fig. 207G	
	Wood structural panel ceiling diaphragm at sidewall, Fig. 207I	NA
208	ROOF SYSTEMS	
208.1	RAFTER-JOIST FRAMING SYSTEMS	
	Rafters: sized per AF&PA span tables (24 in o.c. max.)	NA
	Ridge Board: 2x min. cut depth of rafter	
	Collar Beam: 1x6 every third rafter pair	
208.2	TRUSS FRAMING SYSTEMS	
	Truss design per TPI spec	✓
	Designs to Indicate wind speed, height and uplift	yes ✓
	Maximum truss spacing at 24 inches	
	Girder trusses designed as drag struts	NO ✓
	Step-down hip system used for hip roof (Fig. 208K)	
208.3	ROOF SHEATHING	
	15/32 Exposure 1 wood structural panel	✓
	Typical fasteners: 8d ring shank	✓

208.4 BRACING

Add blocking at 4 ft o.c. 1st 2 framing spaces if no ceiling diaphragms. . . . . NA

208.5 ROOF DIAPHRAGM

Required diaphragm capacity from Tables 208C and 208D . . . . . NA

Roof diaphragm selected (Tables 304C1 and 304C2) . . . . . /

Diaphragm nailing requirements (208.3.3, Tables 304C1 and 304C2). . . . .

208.6 CONNECTIONS FOR WOOD ROOF SYSTEMS

Sidewall, Truss/Rafter to Bond Beam:

Connectors rated for uplift (Table 208E). . . . . /

Connectors rated for lateral load (208.6.1(2)) . . . . . /

Sidewall, Bolted Top Plate Alternate:

Bolt, washer, nut, top plate material per 208.6.2(1) . . . . . NA

Bolt spacing (24 in @ 90 mph, 21 in @ 100 mph, 18 in. @ 110 mph) . . . . . NA

9/16 inch max. dia. bolt hole in top plate. . . . . NA

Bolts 6 in. max. each side of plate splice . . . . . NA

Bolts 12 in. max. from end of plate . . . . . NA

Truss rafters fastened to top plate w/rated connector per 207.6.1 . . . . . NA

Continuous Gable Endwalls:

Pressure treated 2x nailer bolted to rake beam w/ 1/2-in anchor bolt spaced per Table 205E NA

Gable Truss Endwalls (permitted only where clg. diaphragm needed). . . . . /

Shear connector rated for diaphragm capacity in Table 208D times connector spacing (feet)

OR 2x wood plate bolted to bond beam (1/2-in dia. @ 4 ft o.c.). . . . .

Wood Framed Gable Endwalls: Refer to 403 . . . . . NA

Hip Roof Trusses at Endwalls: Modify sidewall details using Table 208J . . . . . /

Interior Shearwall to Roof: Similar to endwalls (Fig. 208H) . . . . . NA

209 OPEN STRUCTURES

209.1 GENERAL

Foundations: Same as 1 story building of same size . . . . . NA

Common Wall: #5 infilled cell at juncture . . . . .

Bond Beams/Lintels: Rated for loads of Tables 209A, 209C, 209E . . . . .

or from 205.8, Beams Spanning Openings. . . . .

Columns (max. 10 ft high to top of bond beam) . . . . . H =

Corner Columns:. . . . . Size =

Vert. Reinf. (4 #3 for 8x8, 4 #5 all others). X

Standard hooks, column to foundation . . . . . #

Standard hooks, column to bond beam . . . . . #

Column ties. . . . . #

Intermediate Columns. . . . . #___@___

Vert. Reinf. (4 #3 for 8x8, 4 #5 all others). . . . . Size = #___X___@___

Standard hooks, column to foundation . . . . . #

Standard hooks, column to bond beam . . . . . #

Column ties. . . . . #

#___@___

210 EXTERIOR WALL VENEERS

210.1 STUCCO (per ASTM C 926). . . . .

210.2 BRICK VENEER (metal ties per Table 2010A). . . . . NA

911 ADDRESS ☑ ☑ LIAB ON SANDERSON

Columbia County Building Permit Application

☑ EXISTING WELL

For Office Use Only Application # 1007-48 Date Received 7/27 By JW Permit # 25516

Zoning Official BLK Date 25.08.10 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1' above grd River N/A Plans Examiner J.C. Date 8-9-10

Comments SPECIAL FAMILY LOT PERMIT FL10-08 to SON

☑ NOC ☑ EH ☐ Deed or PA ☑ Site Plan ☐ State Road Info ☐ Parent Parcel # 19-6S-17-09698-029

☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter

IMPACT FEES: EMS Fire Corr Road/Code

School = TOTAL 0 SUSPENSE 5. ☑ VF

Septic Permit No. 10-355 Fax 352 542 8072

Name Authorized Person Signing Permit Hubert Sanderson CELL# Phone 3525785060

Address ~~294~~ 34 SE HWY 349 OLD TOWN FL 32680 ~~CUMORAH Hill Rd Ft White, FL 32038~~

Owners Name Chad Heimbuch Phone

911 Address: 296 SW Cumorah St. Ft White, FL 32038

Contractors Name Quality Construction of Pinellas, INC Phone 352 542 7521

Address 34 SE Hwy 349 OLD TOWN, FL 32680

Fee Simple Owner Name & Address Chad Heimbuch 294 Cumorah Hill Rd Ft White

Bonding Co. Name & Address Old Republic General Insurance Corp. P.O. Box 1635 Milwaukee, WI 53201

Architect/Engineer Name & Address Hubert Sanderson 34 SE Hwy 349 old Town FL

Mortgage Lenders Name & Address N/A

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progress Energy

TO REMAIN THE SAME

Property ID Number 19-6S-17-09698-~~029~~ 034 Estimated Cost of Construction 25000.00

Subdivision Name Lot Block Unit Phase

Driving Directions I 41/441-S TO C-135-TR TO Cumorah Hill Rd, TR TO 2ND DRIVE ON R. (MH) 6' GATED ENTRANCE

Number of Existing Dwellings on Property 0

Construction of SFD Total Acreage 1 Lot Size 120'x367

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height 14'

SITE PLAN: ISK CAN WORK OFF OF

Actual Distance of Structure from Property Lines - Front ~~Min 35'~~ Side ~~Min 35'~~ Side ~~Min 35'~~ Rear ~~Min. 200'~~

Number of Stories 1 Heated Floor Area 450 sq ft Total Floor Area 450 sq ft Roof Pitch 4/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

INSPECTOR: PLEASE REF. LICENSURE DOCUMENTS; IF YOU HAVE ANY QUESTIONS ABOUT WILL APPL. SEE RANDY JONES

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full.
This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: ***YOU ARE HEREBY NOTIFIED*** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)

Chuck Wilson

Owners Signature ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Robert Sands

Contractor's Signature (Permitee)

Contractor's License Number CBC1251261
Columbia County
Competency Card Number

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 27 **day of** July **20**10.

Personally known____ **or Produced Identification** ✓ FLDL

Laurie Hodson

State of Florida Notary Signature (For the Contractor)

SEAL:

LAURIE HODSON
MY COMMISSION # DD 805657
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 8/2/2010 **DATE ISSUED:** 8/4/2010

ENHANCED 9-1-1 ADDRESS:

296 SW CUMORAH HILL ST

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

19-6S-17-09698-029

Remarks:

PARENT PARCEL

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1788

@ CAM112M01 CamaUSA Appraisal System Columbia County
8/12/2010 12:28 **Legal Description Maintenance** **38058 Land 002**
Year T Property Sel **AG 000**
2010 R 19-6S-17-09698-029 ... .. **18503 Bldg 001 ***
294 CUMORAH HILL ST SW FT WHITE **1500 Xfea 001**
HX SKIPPER LAURIE J **58061 TOTAL B***

1	COMM NW COR OF SE1/4, RUN S 30	FT TO S R/W CUMORAH HILL RD,	2
3	E ALONG R/W 742.81 FT FOR POB,	CONT E 1726.66 FT, S 634.08	4
5	FT, W 1663.82 FT, N 632.05 FT	TO POB, EX 10.4 AC DESC ORB	6
7	870-1243 & EX 5.01 AC DESC ORB	943-1968 & EX 4.17 AC DESC	8
9	ORB 944-2157. ORB 684-32,	984-34, 751-824, 793-1890,	10
11	870-1240,		12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

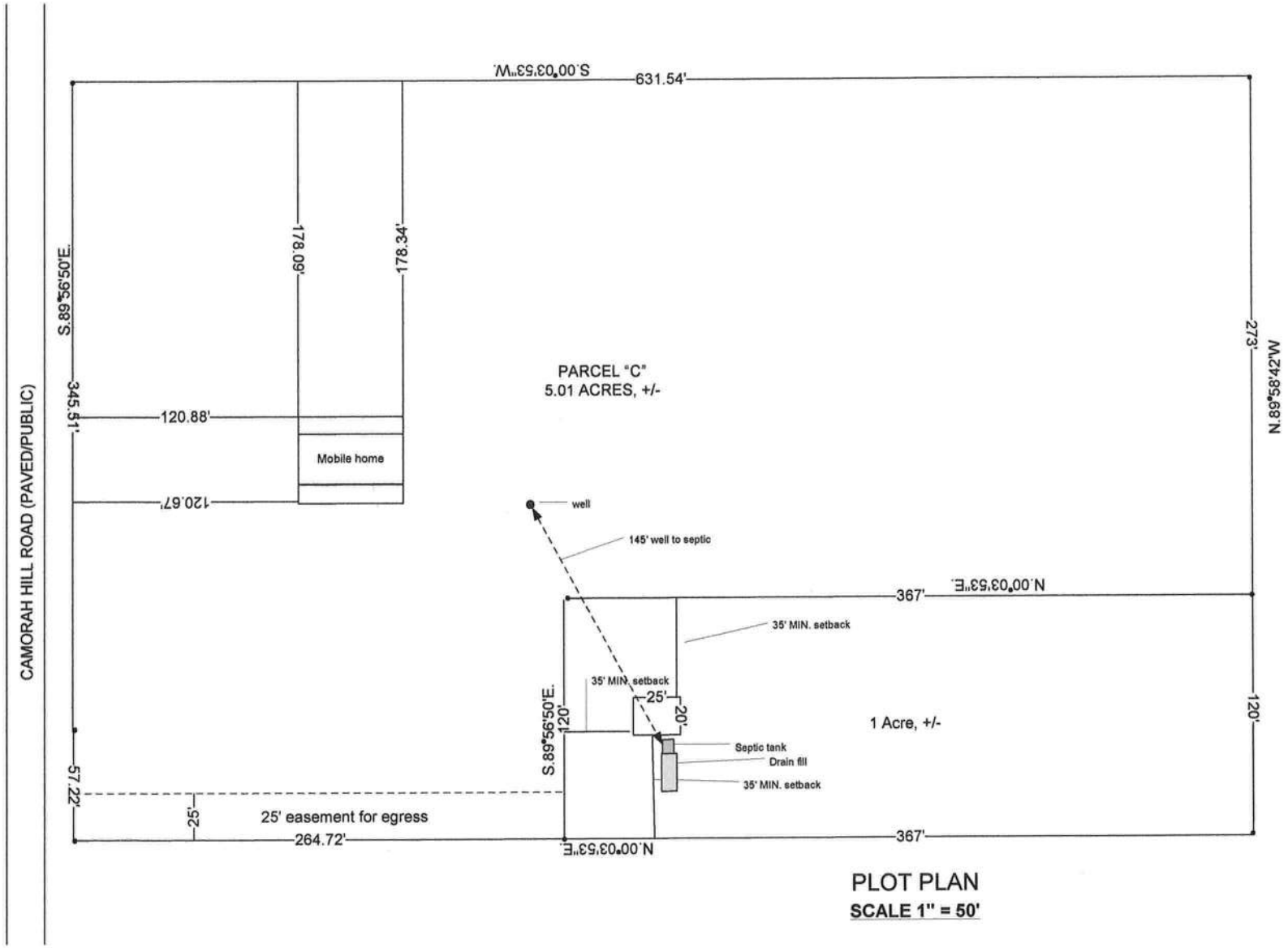
Mnt **2/01/2002 TERRY**

F1=Task F3=Exit F4=Prompt F10=GoTo PgUp/PgDn F24=More

19-6s-17-09698-034

Date	Inspection	Inspect.	Owner	Pass	Location	Permit
09/01/10	Rough Plumbing	TC-HD	Hubert Sanderson - Heimbuch	OK	296 SW Cummorah Hill Street	28816
09/02/10	Mono Slab	Harry	Hubert Sanderson - Heimbuch	OK	296 SW Cummorah Hill Street	28816
09/02/10	Set Backs	Harry	Hubert Sanderson - Heimbuch	OK	296 SW Cummorah Hill Street	28816
09/08/10	Lintel	Troy	Hubert Sanderson - Heimbuch	OK	296 SW Cummorah Hill Street	28816
10/14/10	Framing	Troy	Hubert Sanderson - Heimbuch	OK	296 SW Cummorah Hill Street	28816
10/14/10	Electrical	Troy	Hubert Sanderson - Heimbuch	OK	296 SW Cummorah Hill Street	28816
10/14/10	Plumbing	Troy	Hubert Sanderson - Heimbuch	OK	296 SW Cummorah Hill Street	28816
10/14/10	A/C	Troy	Hubert Sanderson - Heimbuch	OK	296 SW Cummorah Hill Street	28816

Date	Inspection	Inspect.	Owner	Pass	Location	Permit
01/11/11	Spotcheck	TC-HD	Hubert Sanderson - Heimbuch	Met With	296 SW Cummorah Hill Street	28816



PLOT PLAN

SCALE 1" = 50'

Good Copy

fax: 352-542-8072

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1007-48 CONTRACTOR Quality Construction Pulley PHONE 352 578 5060

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name See Attached License #:	Signature Phone #:
MECHANICAL/ A/C	Print Name N/A License #:	Signature Phone #:
PLUMBING/ GAS	Print Name See Attached License #:	Signature Phone #:
ROOFING	Print Name License #: S.E. ATTACHED	Signature Phone #:
SHEET METAL	Print Name N/A License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name N/A License#:	Signature Phone #:
SOLAR	Print Name N/A License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	942	Hubert Sanderson	
CONCRETE FINISHER	942	Hubert Sanderson	
FRAMING 942	CBC1251261	Hubert Sanderson	Hubert Sanderson
INSULATION	902	WOLF INSulation,	Wendy Powell
STUCCO	NA		
DRYWALL 942	CBC1251261	Hubert Sanderson	Hubert Sanderson
PLASTER	NA		
CABINET INSTALLER 942	CBC1251261	Hubert Sanderson	Hubert Sanderson
PAINTING	"	"	"
ACOUSTICAL CEILING	NA		
GLASS	NA		
CERAMIC TILE	NA		
FLOOR COVERING 942	CBC1251261	Hubert Sanderson	Hubert Sanderson
ALUM/VINYL SIDING	NA		
GARAGE DOOR	NA		
METAL BLDG ERECTOR	NA		

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

fax: 352-542-8072

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1007-48 CONTRACTOR Quality Construction Plumbing PHONE 352 578 5060

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name License #:	Signature Phone #:
MECHANICAL/ A/C	Print Name License #: NA	Signature Phone #:
PLUMBING/ GAS	Print Name Dependable Plumbing / Frank Spencer License #: CFC057747	Signature Phone #: 3867525218
ROOFING	Print Name License #:	Signature Phone #:
SHEET METAL	Print Name NA License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name NA License#:	Signature Phone #:
SOLAR	Print Name NA License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub Contractors Signature
MASON 942		Hubert Sanderson	
CONCRETE FINISHER		Hubert Sanderson	
FRAMING 942	CBC1251261	Hubert Sanderson	Hubert Sanderson
INSULATION	902	WOLF INSulation,	Wendy Powell
STUCCO	NA		
DRYWALL	CBC1251261	Hubert Sanderson	Hubert Sanderson
PLASTER	NA		
CABINET INSTALLER	CBC1251261	Hubert Sanderson	Hubert Sanderson
PAINTING	"	"	"
ACOUSTICAL CEILING	NA		
GLASS	NA		
CERAMIC TILE	NA		
FLOOR COVERING	CBC1251261	Hubert Sanderson	Hubert Sanderson
ALUM/VINYL SIDING	NA		
GARAGE DOOR	NA		
METAL BLDG ERECTOR	NA		

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

(2 pages) faxed on 8-9-10

To: Mr. Sanderson fax: 352-542-8072

General Contractor

Qualifier	Hubert SANDERSON	Need: Liability
Company Name	Quality Construction of Pinellas, INC	
(1) License Number	CBC1258611 942	
Signature	Hubert Sanderson	

Electrical Contractor

Qualifier	Randy Lewis	Need: License & Insurance: Liability/W/
Company Name	Randy Lewis Electric	
(2) License Number	EC13003235	
Signature	Randy Lewis	

HVAC

Qualifier		
Company Name	AC & Heating Inc	
License Number	RA0059192	
Signature		

Plumbing

Qualifier	x Frank Soucinek	Need: License & Insurance. Liability/W
Company Name	You Can Achieve, Inc DBA DependablePlumb	
(3) License Number	CFC057747	
Signature	x	

Low Voltage Contractor

Qualifier	
Company Name	
License Number	
Signature	

(4) We need David Durden to sign and phone # and copy of License and Liability and Workers Comp Insurance.

Insurance Certificates should be made to:

Columbia County
135 NE Hernando Ave
Lake City fl 32055

All Items can be faxed to: 386-758-2160

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1007-48 CONTRACTOR HUBERT SANDERSON PHONE 352.542.907.

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

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Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name_____ Signature_____ License #: Phone #:
MECHANICAL/ A/C _____	Print Name_____ Signature_____ License #: Phone #:
PLUMBING/ GAS	Print Name_____ Signature_____ License #: Phone #:
ROOFING * 606 ✓	Print Name George Ducksworth Signature George Ducksworth License #: CCC1327937 Phone #: 386-208-9117
SHEET METAL	Print Name_____ Signature_____ License #: Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name_____ Signature_____ License#: Phone #:
SOLAR	Print Name_____ Signature_____ License #: Phone #:

Specialty License	License Number	Sub Contractor Printed Name	Sub-Contractor Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Inst:201012011530 Date:7/20/2010 Time:4:29 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1198 P:251

County Clerk's Office Stamp or Seal

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number 19-65-17-09698-029

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes. the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description)*: R 19-65-17-09698-029
   a) Street *(job)* Address: 294 Cumorah Hill St. Ft. White FL 32038
2. General description of improvements: New Style Resident
3. Owner Information
   a) Name and address: Chad Helmbuch 294 Cumorah Hill St Ft White, FL 32038
   b) Name and address of fee simple titleholder (if other than owner) N/A
   c) Interest in property owner
4. Contractor Information
   a) Name and address: Quality Construction of Pinellas, INC
   b) Telephone No.: 352-578-5060 Fax No. (Opt.) 352 542 1619
5. Surety Information
   a) Name and address:
   b) Amount of Bond:
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: N/A
   b) Phone No.
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: Laurie Skipper 294 Cumorah St Ftwhite 32038
   b) Telephone No.: 386 754 8954 Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
   a) Name and address: Laurie Skipper 294 Cumorah St Ft white 32038
   b) Telephone No.: 386 754 8954 Fax No. (Opt.)
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): N/A

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Hubert Sanderson
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Hubert Sanderson
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 20 day of July, 2010, by: Hubert Sanderson as Owner (type of authority, e.g. officer, trustee, attorney fact) for (name of party on behalf of whom instrument was executed).

Personally Known ___ OR Produced Identification ✓ Type FL DL

Notary Signature Rose Ann Aiello Notary Stamp or Seal:

ROSE ANN AIELLO
MY COMMISSION # DD 850864
EXPIRES: February 17, 2013
Bonded Thru Notary Public Underwriters

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Hubert Sanderson
Signature of Natural Person Signing (in line #10 above.)

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approva numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approva number for any of the applicable listed products. Statewide approved products are listed online www.floridabuilding. Org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. Exterior Doors			
a. Swinging	THERMA TRU	EXT. STEEL DOOR	FL1170
b. Sliding			
c. Sectional/Roll up			
d. other			
2. Windows			
a. Shingle/Double Hung	BETTER BUILT	740 SERIES	FL663
b. Horizontal Slider			
c. Casement			
d. Fixed			
e. Mullion			
f. Skylights			
g. Other			
3. Panel Wall			
a. Siding			
b. Soffits			
c. Storefronts			
d. Glass Block			
e. Other			
4. Roofing Products			
a. Asphalt Shingles			
b. Non-Struct Metal	GULF COAST SUPPLY	METAL ROOFING	FL 11651.5
c. Roofing Tiles			
d. Single Ply Roof			
e. Other			
5. Struct Components			
a. Wood Connectors	SIMPSON H10	TRUSS CLIPS	FL 10444
b. Wood Anchors	SIMPSON LSTA21	STRAP TIES	FL 10444
c. Truss Plates			
d. Insulation Forms			
e. Lintels	BELL CONTRACTS	LINTELS	FL 4569
f. Other	SIMPSON HETA16	TRUSS STRAP	FL 10444
6. New Exterior			
Envelope Products			
A.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Robert Sanderson

Applicant Signature

6/21/10

Date

Doors 1 of 2

Community Affairs

BCIS Home | Log In | User Registration | Hot Topics | Submit Surcharge | Stats & Facts | Publications | FBC S

Community Affairs

Product Approval
USER: Public User

Product Approval Menu > Product or Application Search > Application List > **Application Detail**

FL #	FL4904-R3
Application Type	Revision
Code Version	2007
Application Status	Approved
Comments	
Archived	
Product Manufacturer Address/Phone/Email	Masonite International One North Dale Mabry Suite 950 Tampa, FL 33609 (615) 441-4258 sschreiber@masonite.com
Authorized Signature	Steve Schreiber sschreiber@masonite.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	
Category	Exterior Doors
Subcategory	Swinging Exterior Door Assemblies
Compliance Method	Certification Mark or Listing
Certification Agency	National Accreditation & Management Institute,
Validated By	National Accreditation & Management Institute,
Referenced Standard and Year (of Standard)	**Standard** TAS 201 TAS 202 TAS 203

Equivalence of Product Standards
Certified By

Product Approval Method	Method 1 Option A
Date Submitted	12/23/2008
Date Validated	12/29/2008
Date Pending FBC Approval	01/05/2009
Date Approved	02/03/2009

Summary of Products

FL #	Model, Number or Name	Description
4904.1	Wood-edge Steel Side-Hinged Door Units	6'-8" Opaque I/S and O/S Single Do

Limits of Use
Approved for use in HVHZ: Yes
Approved for use outside HVHZ: Yes
Impact Resistant: Yes
Design Pressure: +76.0/-76.0
Other: Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 3'-0" x 6'-8" max nominal size. When large missile impact resistance is required, hurricane protective system is NOT required. See DWG-MA-FL0128-05 for details.

Certification Agency Certificate
FL4904_R3_C_CAC_NI006110-R3
Quality Assurance Contract Expi
12/31/2010
Installation Instructions
FL4904_R3_II_FL4904 6_8 Opaqu
Verified By: National Accreditation
Created by Independent Third Part
Evaluation Reports
Created by Independent Third Part

4904.2	Wood-edge Steel Side-Hinged Door Units	8'-0" Opaque I/S and O/S Single Do

Limits of Use
Approved for use in HVHZ: Yes
Approved for use outside HVHZ: Yes
Impact Resistant: Yes
Design Pressure: +70.0/-70.0
Other: Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 3'-0" x 8'-0" max nominal size. When large missile impact resistance is required, hurricane protective system is NOT required. See DWG-MA-FL0129-05 for details.

Certification Agency Certificate
FL4904_R3_C_CAC_NI006110-R3
Quality Assurance Contract Expi
12/31/2010
Installation Instructions
FL4904_R3_II_FL4904 8_0 Opaqu
Verified By: National Accreditation
Created by Independent Third Part
Evaluation Reports
Created by Independent Third Part

4904.3	Wood-edge Steel Side-Hinged Door Units	6'-8" Opaque I/S and O/S Door w/ o

Limits of Use
Approved for use in HVHZ: Yes
Approved for use outside HVHZ: Yes
Impact Resistant: Yes
Design Pressure: +55.0/-55.0
Other: Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures

Certification Agency Certificate
FL4904_R3_C_CAC_NI006110-R3
Quality Assurance Contract Expi
12/31/2010
Installation Instructions
FL4904_R3_II_FL4904 6_8 Opaqu
Verified By: National Accreditation
Created by Independent Third Part
Evaluation Reports

listed. 12'-0" x 6'-8" max nominal size. When large missile impact resistance is required, hurricane protective system is NOT required on opaque panels, but is required on glazed panels. See DWG-MA-FL0128-05 for details.		Created by Independent Third Part
4904.4	Wood-edge Steel Side-Hinged Door Units	8'-0" Opaque I/S Door w/ or w/o Sid
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** +45.0/-50.0 **Other:** Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 12'-0" x 8'-0" max nominal size. When large missile impact resistance is required, hurricane protective system is NOT required on opaque panels, but is required on glazed panels. See DWG-MA-FL0129-05 for details.		**Certification Agency Certificate** FL4904_R3_C_CAC_NI006110-R3 **Quality Assurance Contract Expi** 12/31/2010 **Installation Instructions** FL4904_R3_II_FL4904 8_0 Opagu Verified By: National Accreditation Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
4904.5	Wood-edge Steel Side-Hinged Door Units	8'-0" Opaque O/S w/ or w/o Sidelite
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** +50.0/-45.0 **Other:** Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 12'-0" x 8'-0" max nominal size. When large missile impact resistance is required, hurricane protective system is NOT required on opaque panels, but is required on glazed panels. See DWG-MA-FL0129-05 for details.		**Certification Agency Certificate** FL4904_R3_C_CAC_NI006110-R3 **Quality Assurance Contract Expi** 12/31/2010 **Installation Instructions** FL4904_R3_II_FL4904 8_0 Opagu Verified By: National Accreditation Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
4904.6	Wood-edge Steel Side-Hinged Door Units	6'-8" Glazed I/S and O/S Door w/ or
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +50.5/-50.5 **Other:** Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 12'-0" x 6'-8" max nominal size. When large missile impact resistance is required, hurricane protective system is required. See DWG-MA-FL0130-05 for details.		**Certification Agency Certificate** FL4904_R3_C_CAC_NI006110-R3 **Quality Assurance Contract Expi** 12/31/2010 **Installation Instructions** FL4904_R3_II_FL4904 6_8 Glazed Verified By: National Accreditation Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
4904.7	Wood-edge Steel Side-Hinged Door Units	8'-0" Glazed I/S Door w/ or w/o Side
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +40.0/-45.0 **Other:** Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures		**Certification Agency Certificate** FL4904_R3_C_CAC_NI006110-R3 **Quality Assurance Contract Expi** 12/31/2010 **Installation Instructions** FL4904_R3_II_FL4904 8_0 Glazed Verified By: National Accreditation Created by Independent Third Part **Evaluation Reports**

listed. 12'-0" x 8'-0" max nominal size. When large missile impact resistance is required, hurricane protective system is required. See DWG-MA-FL0131-05 for details.		Created by Independent Third Part
4904.8	Wood-edge Steel Side-Hinged Door Units	8'-0" Glazed O/S Door w/ or w/o Sid

Limits of Use
Approved for use in HVHZ: Yes
Approved for use outside HVHZ: Yes
Impact Resistant: No
Design Pressure: +45.0/-40.0
Other: Evaluated for use in locations adhering to the Florida Building Code including the High Velocity Hurricane Zone, and where pressure requirements as determined by ASCE 7, Minimum Design Loads for Buildings and Other Structures, does not exceed the design pressures listed. 12'-0" x 8'-0" max nominal size. When large missile impact resistance is required, hurricane protective system is required. See DWG-MA-FL0131-05 for details.

Certification Agency Certificate
FL4904_R3_C_CAC_NI006110-R3
Quality Assurance Contract Expi
12/31/2010
Installation Instructions
FL4904_R3_II_FL4904 8_0 Glazed
Verified By: National Accreditation
Created by Independent Third Part
Evaluation Reports
Created by Independent Third Part

Back Next

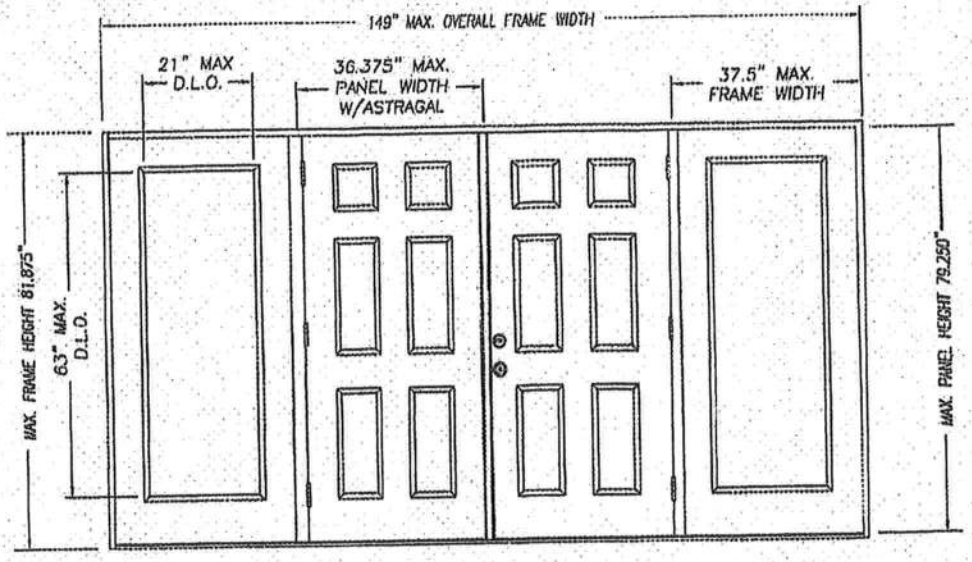
Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Fax (850) 414-8436

Product Approval Accepts:

Doors
2 of 2

Masonite®

SIDE-HINGED WOOD-EDGE STEEL DOOR UNIT
6'-8" DOUBLE DOOR WITH / WITHOUT SIDELITES



DOUBLE DOOR UNIT W/SIDELITES

GENERAL NOTES

1. EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, DOES NOT EXCEED THE DESIGN PRESSURES LISTED.
2. HURRICANE PROTECTIVE SYSTEM (SHUTTERS) IS NOT REQUIRED ON OPAQUE PANELS, BUT IS REQUIRED ON GLAZED SIDELITES.
3. POLYURETHANE CORE FLAME SPREAD INDEX OF 50 AND SMOKE DEVELOPED INDEX OF 60 PER ASTM E84.
4. PLASTICS TESTING OF LITE FRAME MATERIAL:

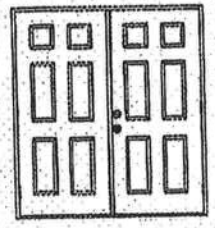
TEST DESCRIPTION	DESIGNATION	RESULT
SELF IGNITION TEMP	ASTM D1929	680 °F > 650 °F
RATE OF BURNING	ASTM D635	1.10 IN/MIN
SMOKE DENSITY	ASTM D2843	69.6%
TENSILE STRENGTH*	ASTM D638	-7.48% DIFF

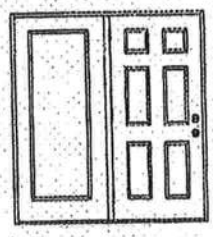
* COMPARATIVE TENSILE STRENGTH AFTER WEATHERING 4500 HOURS XENON ARC METHOD 1

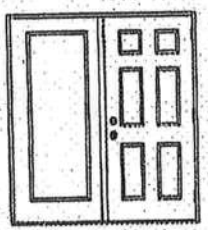
Addendum to HAM

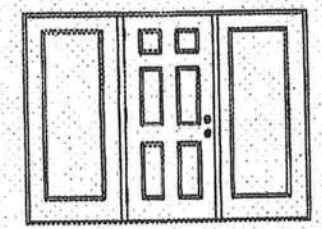
Certification No.: N10606.10-R3
Reviewed By:
Date Reviewed: 12/18/08


SINGLE DOOR UNIT


DOUBLE DOOR UNIT


SINGLE DOOR UNIT WITH SIDELITE


SINGLE DOOR UNIT WITH SIDELITE


SINGLE DOOR UNIT W/SIDELITES

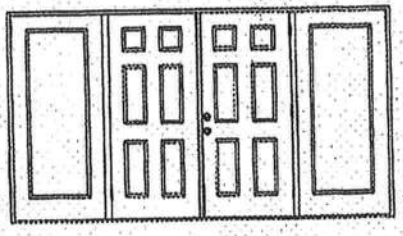

DOUBLE DOOR UNIT W/SIDELITES

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	TYPICAL ELEVATIONS & GENERAL NOTES
2	ANCHORING LOCATIONS & DETAILS
3	ANCHORING LOCATIONS & DETAILS

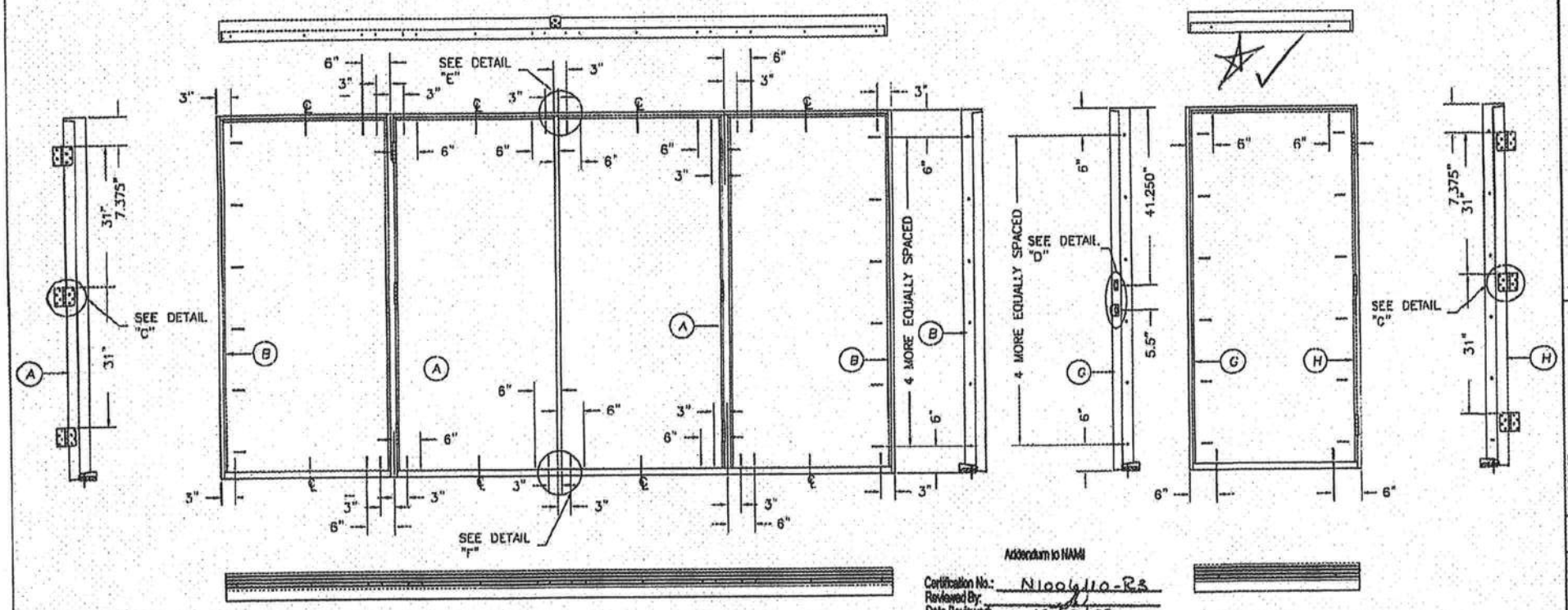
CONFIG	MAX WIDTH	DESIGN PRESSURE RATING		WHERE WATER INFILTRATION PERFORMANCE IS REQUIRED TO BE 15% OF DESIGN PRESSURE	
		INSWING	OUTSWING	INSWING	OUTSWING
X	37.5"	+76.0 / -76.0	+76.0 / -76.0	+19.0 / -19.0	+55.0 / -55.0
XX	74"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OX or XO	75"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OXO	112.5"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0
OXXO	149"	+55.0 / -55.0	+55.0 / -55.0	+19.0 / -19.0	+55.0 / -55.0

MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'8" OPAQUE WOOD-EDGE STEEL DOOR
PART OR ASSEMBLY: TYPICAL ELEVATIONS & GENERAL NOTES

	DATE	DESCRIPTION	BY
C	12/15/08	ADDED SPACER	SWS
B	1/2/08	HINGE SCREW LENGTH	SWS

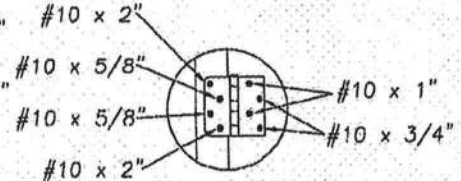
DATE: 7/11/0
SCALE: N.T.S.
DWG. BY: SW
CHK. BY:
DRAWING NO.:
DWG-MA-FI.012
SHEET 1 OF



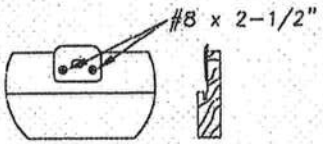
Addendum to NAMI

Certification No.: N1001110-R3
Reviewed By:
Date Reviewed: 12/18/08

DETAIL "D"

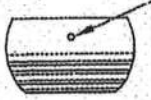


DETAIL "C"



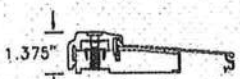
DETAIL "E" ASTRAGAL

ATTACH ASTRAGAL RETAINER BOLT STRIKE PLATE TO FRAME AS SHOWN.

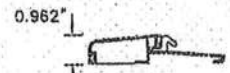


ASTRAGAL RETAINER BOLT HOLE MUST BE DRILLED THROUGH THE THRESHOLD & INTO THE STRUCTURE DEEP ENOUGH FOR A 1.375" THROW

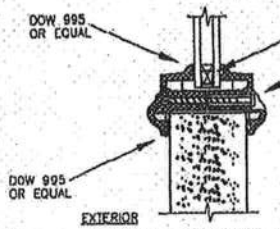
DETAIL "F" ASTRAGAL



INSWING THRESHOLD



OUTSWING THRESHOLD



TYPICAL GLAZING DETAIL

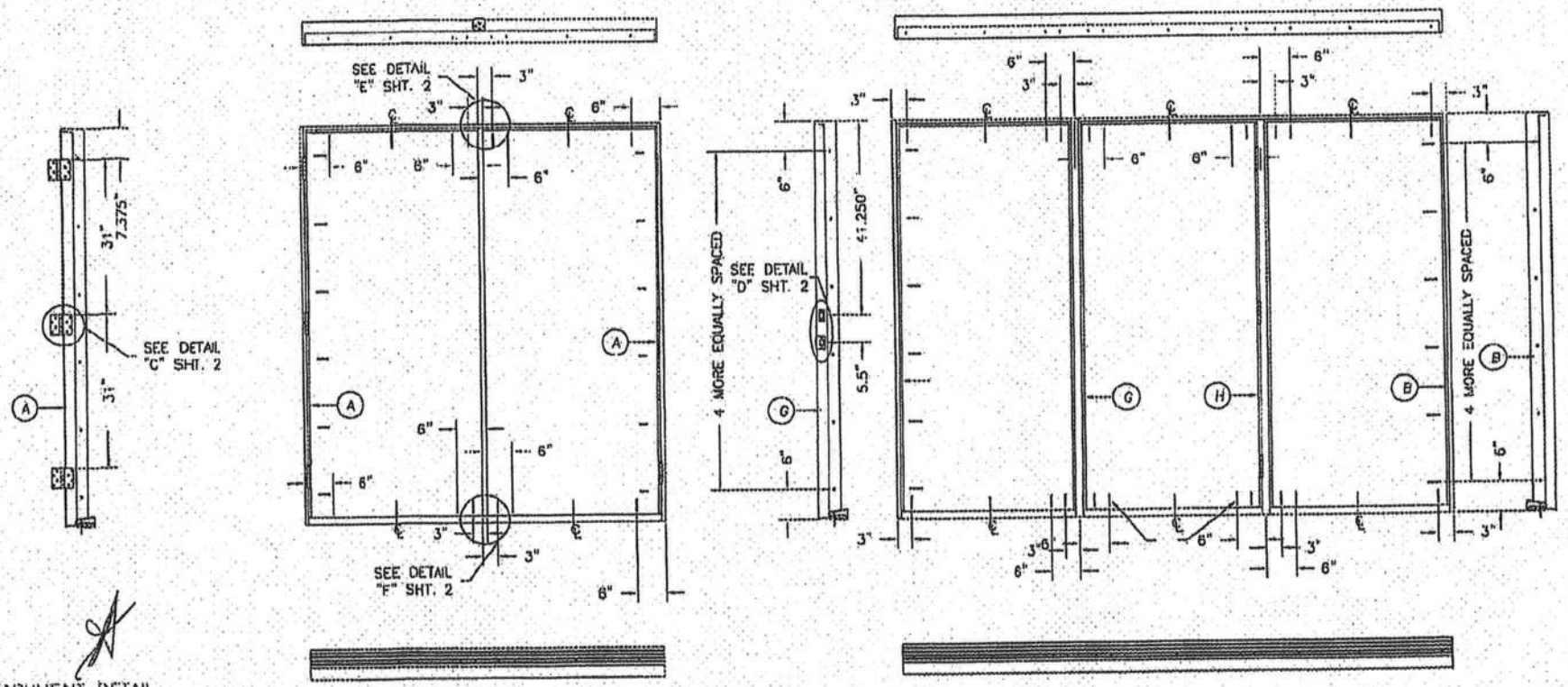
MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: "EXTERIOR DOOR PRODUCT" DOUBLE 6'-8" GRADUE WOOD-EDGE STEEL DOOR

PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

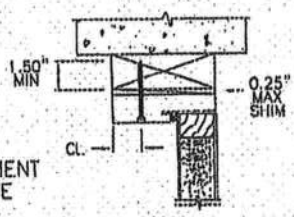
NO.	DATE	BY
C	12/15/08	SWS
B	1/2/08	SWS
	ADDED SPACER HINGE SCREW LENGTH	

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FL0128--
SHEET 2 OF 3



ATTACHMENT DETAIL

1. ANCHOR ANALYSIS FOR LOADING CONDITIONS PREPARED, SIGNED AND SEALED BY HAROLD E. RUPP, PE (FLORIDA #15935) WITH THE LOWEST (LEAST) FASTENER RATING FROM THE DIFFERENT FASTENERS BEING CONSIDERED FOR USE. JAMB, HEAD, AND THRESHOLD FASTENERS ANALYZED FOR THIS UNIT INCLUDE #10 WOOD SCREWS OR 3/16" TAPCONS. A PHYSICAL SHIM MUST BE PLACED IN SHIM SPACE AT EACH ANCHOR LOCATION.
2. THE WOOD SCREW SINGLE SHEAR DESIGN VALUES COME FROM ANSI/AF&PA NDA FOR SOUTHERN PINE LUMBER AND ACHEIVEMENT OF 1-1/2" MINIMUM EMBEDMENT. THE TAPCON MUST ACHIEVE MINIMUM EMBEDMENT OF 1-1/4".
3. WOOD BUCKS BY OTHERS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO STRUCTURE.
4. MINIMUM DESIGN VALUE STRENGTH OF ANCHORS 171 LBS.



TYPICAL ANCHOR INSTALLATION

HARDWARE SCHEDULE

1.	KWIKSET MAXIMUM SECURITY SERIES GRADE 2 CYLINDRICAL AND DEADLOCK HARDWARE TO BE INSTALLED AT 5-1/2" CENTERLINE.
2.	4" X 4" FULL MORTISE BUTT HINGES

Addendum to NAMI

Certification No: N1005110-R3
Reviewed By:
Date Reviewed: 12/19/08

MASONITE INTERNATIONAL CORP.
7300 REAMES RD.
CHARLOTTE, NC 28216

PRODUCT: EXTERIOR DOOR PRODUCT 6'-8" WOOD-EDGE STEEL OPAQUE DOUBLE DOOR UNIT
PART OR ASSEMBLY: ANCHORING LOCATIONS & DETAILS

NO.	DATE		BY
C	12/15/08	ADDED SPACER	SWS
B	1/2/08	HINGE SCREW LENGTH	SWS

DATE: 7/11/05
SCALE: N.T.S.
DWG. BY: SWS
CHK. BY:
DRAWING NO.: DWG-MA-FLD128
SHEET 3 OF 3

BETTER BUILT WINDOWS

100V

Community Affairs

Community Affairs

- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EDUCATION MANAGEMENT
- OFFICE OF THE SECRETARY

Product Approval
USER: Public User

FL #	FL11827-R4
Application Type	Revision
Code Version	2007
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer Address/Phone/Email	MI Windows and Doors 650 West Market Street Gratz, PA 17030 (717) 365-3300 Ext 2560 bsitlinger@miwd.com
Authorized Signature	Brent Sitlinger bsitlinger@miwd.com
Technical Representative Address/Phone/Email	
Quality Assurance Representative Address/Phone/Email	
Category	Windows
Subcategory	Single Hung
Compliance Method	Certification Mark or Listing
Certification Agency	American Architectural Manufacturers Associatic
Validated By	Steven M. Urich, PE ☑ Validation Checklist - Hardcopy Received
Referenced Standard and Year (of Standard)	**Standard** AAMA/NWWDA 101/I. S. 2 AAMA/WDMA/CSA 101/I.S.2/A440
Equivalence of Product Standards Certified By	

Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +40/-40 **Other:** H-R40		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 70948.01-109-47.pdf **Quality Assurance Contract Expi** 02/02/2011 **Installation Instructions** FL11827_R4_II_Installation Instruc Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.5	740/3740 Fin Frame Oriel Single Hung	52x72 Insulated 1/8" Annealed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +40/-40 **Other:** H-R40		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 74192.01-109-47.pdf **Quality Assurance Contract Expi** 06/15/2011 **Installation Instructions** FL11827_R4_II_Installation Instruc TESTED.pdf Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.6	740/3740 Fin Frame Oriel Single Hung	48x72 Insulated 1/8" Annealed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +45/-45 **Other:** H-R45		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 74192.01-109-47.pdf **Quality Assurance Contract Expi** 06/15/2011 **Installation Instructions** FL11827_R4_II_Installation Instruc TESTED 48x72 74192.01.pdf Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.7	740/3740 Fin Frame Single Hung Equal Lite	52x72 Single Glazed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +45/-45 **Other:** H-R45		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 94600. 52X72 R45.pdf **Quality Assurance Contract Expi** 09/18/2013 **Installation Instructions** FL11827_R4_II_740SH FIN As Te Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.8	740/3740 Finless Equal Lite	36x62 Insulated 1/8" Annealed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 66680.01-109-47.pdf **Quality Assurance Contract Expi**

Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +40/-40 **Other:** H-R40		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 70948.01-109-47.pdf **Quality Assurance Contract Expi** 02/02/2011 **Installation Instructions** FL11827_R4_II_Installation Instruc Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.5	740/3740 Fin Frame Oriel Single Hung	52x72 Insulated 1/8" Annealed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +40/-40 **Other:** H-R40		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 74192.01-109-47.pdf **Quality Assurance Contract Expi** 06/15/2011 **Installation Instructions** FL11827_R4_II_Installation Instruc TESTED.pdf Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.6	740/3740 Fin Frame Oriel Single Hung	48x72 Insulated 1/8" Annealed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +45/-45 **Other:** H-R45		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 74192.01-109-47.pdf **Quality Assurance Contract Expi** 06/15/2011 **Installation Instructions** FL11827_R4_II_Installation Instruc TESTED 48x72 74192.01.pdf Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.7	740/3740 Fin Frame Single Hung Equal Lite	52x72 Single Glazed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +45/-45 **Other:** H-R45		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 94600. 52X72 R45.pdf **Quality Assurance Contract Expi** 09/18/2013 **Installation Instructions** FL11827_R4_II_740SH FIN As Te: Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.8	740/3740 Finless Equal Lite	36x62 Insulated 1/8" Annealed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 66680.01-109-47.pdf **Quality Assurance Contract Expi**

Design Pressure: +45/-45 **Other:** H-R45		07/27/2010 **Installation Instructions** FL11827_R4_II_Installation Instruc Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.9	740/3740 Finless Frame Oriel Single Hung	52x71 Insulated 1/8" Annealed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +40/-40 **Other:** H-R40		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 66680.01-109-47.pdf **Quality Assurance Contract Expi** 07/27/2010 **Installation Instructions** FL11827_R4_II_Installation Instruc Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.10	740/3740 Flange Frame Oriel Single Hung	48x90 Insulated 1/8" Annealed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +30/-30 **Other:** H-R30		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 70948.01-109-47.pdf **Quality Assurance Contract Expi** 02/02/2011 **Installation Instructions** FL11827_R4_II_Installation Instruc Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.11	740/3740 Flange Frame Single Hung Equal Lite	52x72 Single Glazed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +45/-45 **Other:** H-R45		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 94599. 52X72 R45.pdf **Quality Assurance Contract Expi** 09/13/2013 **Installation Instructions** FL11827_R4_II_740SH FLANGE A Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.12	740/3740 Flange Frame Single Hung Oriel	48x72 Insulated 1/8" Annealed
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +45/-45 **Other:** H-R45		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 74192.01-109-47.pdf **Quality Assurance Contract Expi** 06/15/2011 **Installation Instructions** FL11827_R4_II_Installation Instruc Tested 74192.01.pdf Verified By: American Architectural Created by Independent Third Part

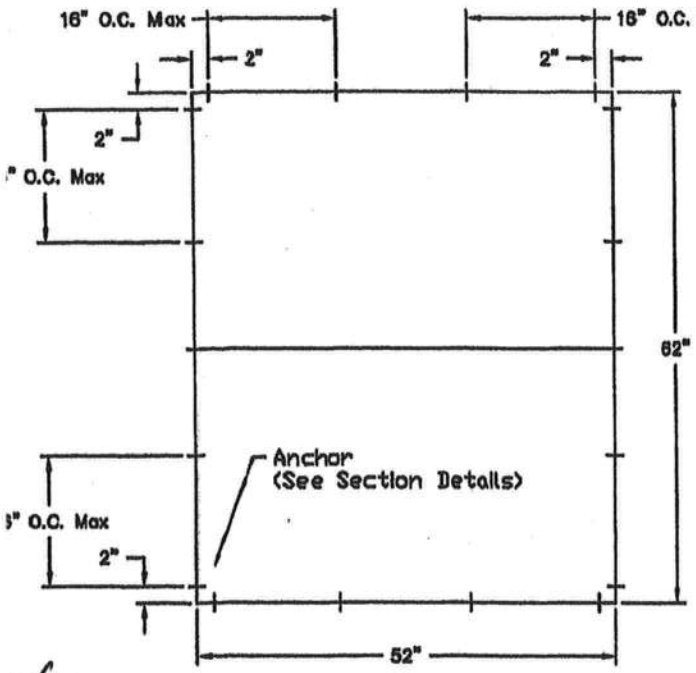
		Evaluation Reports Created by Independent Third Part
11827.13	740/3740 Flange Frame Single Hung Oriel	48x72 Single Glazed 3/16" Anneale
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +45/-45 **Other:** H-R45		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 740-37 74192.01-109-47.pdf **Quality Assurance Contract Expi** 06/15/2011 **Installation Instructions** FL11827_R4_II_740 Single Hung F Verified By: Luis R. Lomas, PE PE- Created by Independent Third Part **Evaluation Reports** FL11827_R4_AE_740 Single Hung Created by Independent Third Part
11827.14	740/3740 Flange Frame Single Hung Oriel	48x96 Single Glazed 3/16" Anneale
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +40/-40 **Other:** H-R40		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 91454. FLG 48X96 R40.pdf **Quality Assurance Contract Expi** 05/07/2013 **Installation Instructions** FL11827_R4_II_740 Single Hung F Verified By: Luis R. Lomas, PE PE- Created by Independent Third Part **Evaluation Reports** FL11827_R4_AE_740 Single Hung Created by Independent Third Part
11827.15	740/3740 Single Hung	36x76 Fin Frame Insulated Glass
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +45/-45 **Other:** H-R45		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 99032. **Quality Assurance Contract Expi** 03/05/2014 **Installation Instructions** FL11827_R4_II_Install Instruct - 74 36x76).pdf Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part
11827.16	740/3740 Single Hung	36x76 Flange Frame Insulated Glas
Limits of Use **Approved for use in HVHZ:** No **Approved for use outside HVHZ:** Yes **Impact Resistant:** No **Design Pressure:** +45/-50 **Other:** H-R45 with -50 psf negative DP		**Certification Agency Certificate** FL11827_R4_C_CAC_APC 99034. **Quality Assurance Contract Expi** 04/16/2014 **Installation Instructions** FL11827_R4_II_Install Instruct - 74 36x76).pdf Verified By: American Architectural Created by Independent Third Part **Evaluation Reports** Created by Independent Third Part

Back Next

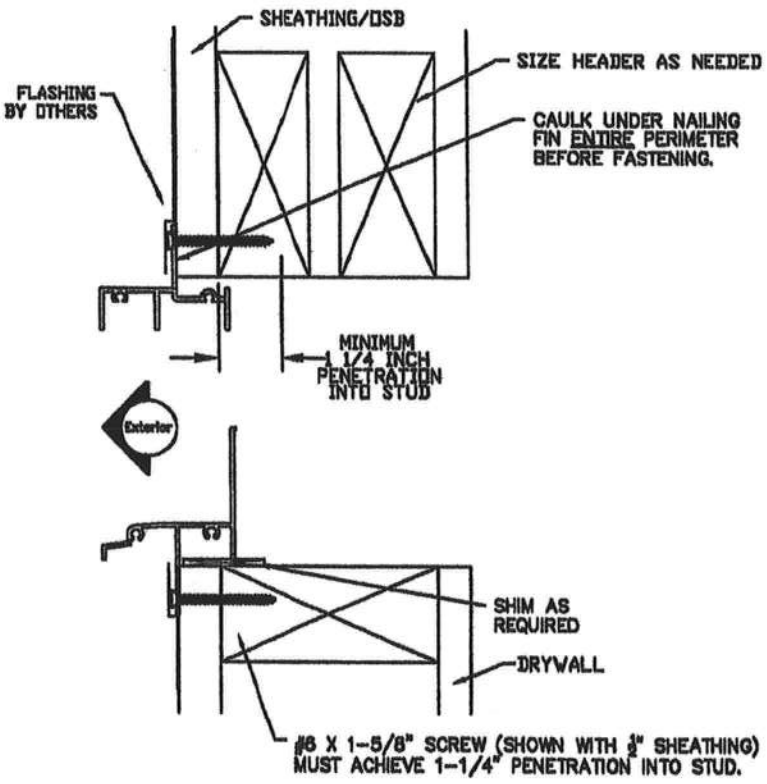
Department of Community Affairs
Florida Building Code Online
Codes and Standards
2555 Shumard Oak Boulevard
Tallahassee, Florida 32399-2100
(850) 487-1824, Fax (850) 414-8436

Product Approval Accepts:

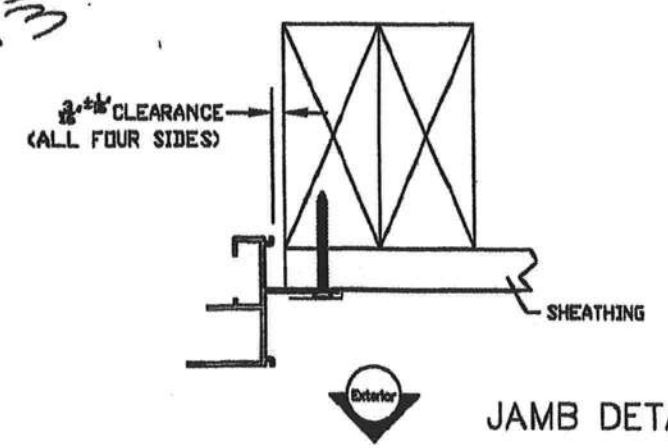
ELEVATION



HEAD DETAIL



SILL DETAIL



JAMB DETAIL

* 'NAIL FIN' IS A GENERIC TERM WHICH MEANS "MOUNTING FLANGE", (NOT TO BE CONFUSED WITH "1/2" FRONT FLANGE)

Notes:

1. Installation depicted based off of structural test report # 99032.01-109-47.
2. Wood screws shall satisfy the National Design Specification for Wood Construction for material type and dimensional requirements.
3. Wood buck installations are assumed 2x S-P-F (G=0.42) or denser. Buck width shall be greater than the window frame width. Tapered or partial width bucks are not allowed. Wood buck shall be secured to the structure to resist all design loads.
4. Wood screw lengths shall be sufficient to guarantee 1-1/4" penetration into wood buck.
5. Maximum shim thickness of 1/4" permitted at each fastener location. Shims shall be load bearing, non-compressible type.
6. These drawings depict the details necessary to meet structural load requirements. They do not address the air infiltration, water penetration, intrusion or thermal performance requirements of the installation.
7. Installation shown is that of the test window for the size shown and the design pressure claimed. For window sizes smaller than shown, locate jamb fasteners 2" from corners and no more than 16" on center. Locate head/sill fasteners 2" from corners and no more than 16" on center. Design pressures of smaller window sizes are limited to that of the test window.

SIZE AND DESIGN PRESSURE CHART
FASTENER TYPE AND SPACING SHOWN WILL ALLOW DESIGN PRESSURES UP TO +35.09/-35.09 UNITS UP TO 52" x 62"
(SEE TEST REPORTS FOR INDIVIDUAL UNIT SIZE AND APPLICABLE DESIGN PRESSURE LIMITATIONS)

Windows & Doors
Gratz, PA

TITLE: INSTALLATION INSTRUCTIONS & FASTENER SCHEDULE — FIN—

PRODUCT: 740/3740 Single Hung

DRAWN BY	DATE
T.C.	04/27/10
CHECKED	DATE
SCALE	SHEET
NONE	2 of 2
DWG. NO.	REV.
740/3740 FIN	—

A·L·I

(Validator / Operations Administrator)

AAMA
CERTIFICATION PROGRAM

AUTHORIZATION FOR PRODUCT CERTIFICATION

MI Windows & Doors, Inc.
P.O. Box 370
Gratz, PA 17030

Attn: Rick Sawdey

The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related drawings, by an AAMA Accredited Laboratory.

1. The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION	RECORD OF PRODUCT TESTED			
AAMA/WDMA/CSA 101/I.S.2/A440-05 H-R35*-1324x1575 (52x62)				
COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED	
			FRAME	SASH
MI Windows & Doors, Inc. 704 12th Ave. Smyrna, TN 37167	MTL-9	740/3740 (FIN) (AL)(O/X)(CG)(INS GL) (TILT)(ASTM)	1324 mm x 1575 mm (4'4" x 5'2")	1292 mm x 791 mm (4'3" x 2'7")

2. This Certification will expire **March 5, 2014** and requires validation until then by continued listing in the current AAMA Certified Products Directory.

3. Product Tested and Reported by: **Architectural Testing, Inc.**

Report No.: **99032.01-109-47**

Date of Report: **April 6, 2010**

Validated for Certification

Associated Laboratories, Inc.

Authorized for Certification

American Architectural Manufacturers Association

Date: **April 26, 2010**

Cc: AAMA
JGS
ACP-04 (Rev. 8/06)

RE: HS-QUALITY -

MiTek Industries, Inc.
6904 Parke East Boulevard
Tampa, FL 33610-4115

Site Information:
Customer Info: QUALITY CONSTRUCTION Model: HS-QUALITY
Lot/Block: . Subdivision: .
Address: .
City: COLUMBIA COUNTY State: FLORIDA

Name Address and License # of Structural Engineer of Record, If there is one, for the building.
Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):
Design Code: FBC2007 Design Program: OnLine Plus 27.0.003
Wind Code: ASCE 7-05 Wind Speed: 120 mph Floor Load: N/A psf
Roof Load: 40.0 psf

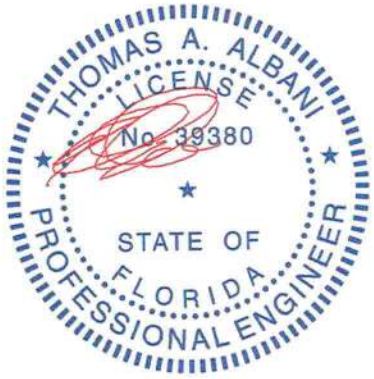
This package includes 9 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T3820848	A1	7/27/010
2	T3820849	A2	7/27/010
3	T3820850	J1	7/27/010
4	T3820851	J5	7/27/010
5	T3820852	J4	7/27/010
6	T3820853	J3	7/27/010
7	T3820854	CJ1	7/27/010
8	T3820855	A3GIR	7/27/010
9	T3820856	J2	7/27/010

The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Albani, Thomas
My license renewal date for the state of Florida is February 28, 2011.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.



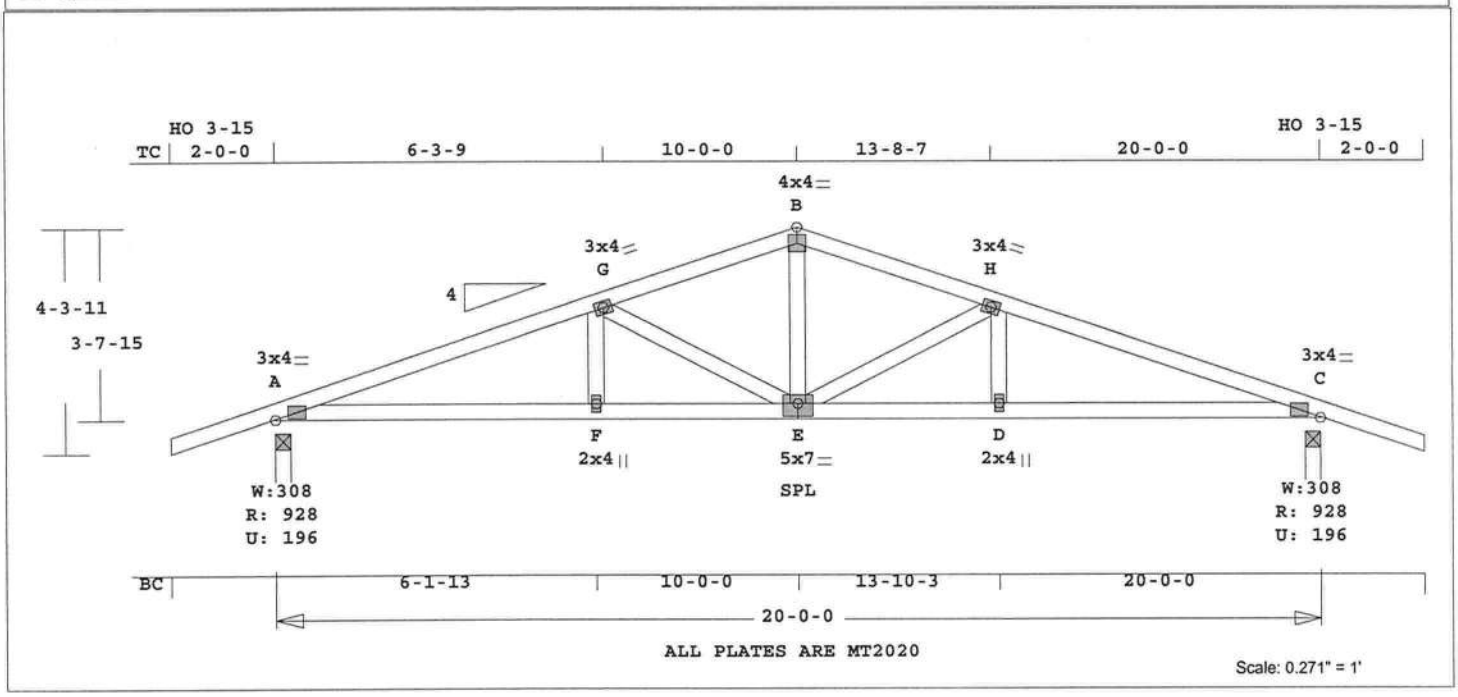
FL Cert. 6634

July 27,2010

Albani, Thomas

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HS-QUALITY	A1	3	TR	200000	4	2- 0- 0	2- 0- 0	T3820848

HS-QUALITY



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 113.7 LBS

Online Plus -- Version 27.0.003
RUN DATE: 27-JUL-10

	CSI	-Size-	----Lumber----
TC	0.34	2x 4	SP-#2
BC	0.41	2x 4	SP-#2
WB	0.15	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20- 0- 0
BC	Cont.	0- 0- 0	20- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	928	197 U	52 R
C	928	197 U	52 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI	Bnd
Top Chords					
A -G	0.34	1738 C	0.14		0.20
G -B	0.30	1236 C	0.11		0.19
B -H	0.30	1236 C	0.11		0.19
H -C	0.34	1738 C	0.14		0.20
Bottom Chords					
A -F	0.41	1652 T	0.27		0.14
F -E	0.34	1652 T	0.27		0.07
E -D	0.34	1652 T	0.27		0.07
D -C	0.41	1652 T	0.27		0.14
Webs					
F -G	0.03	208 T			
G -E	0.15	553 C			
E -B	0.10	587 T			
E -H	0.15	553 C			
D -H	0.03	208 T			

TL Defl -0.16" in E -D L/999
LL Defl -0.06" in F -E L/999
Shear // Grain in A -G 0.21

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.82
G	MT20	3.0x 4.0	Ctr	Ctr	0.44
B	MT20	4.0x 4.0	Ctr	Ctr	0.46
H	MT20	3.0x 4.0	Ctr	Ctr	0.44
C	MT20	3.0x 4.0	Ctr	Ctr	0.82
F	MT20	2.0x 4.0	Ctr	Ctr	0.34
E	MT20	5.0x 7.0	Ctr	-0.5	0.45
D	MT20	2.0x 4.0	Ctr	Ctr	0.34

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

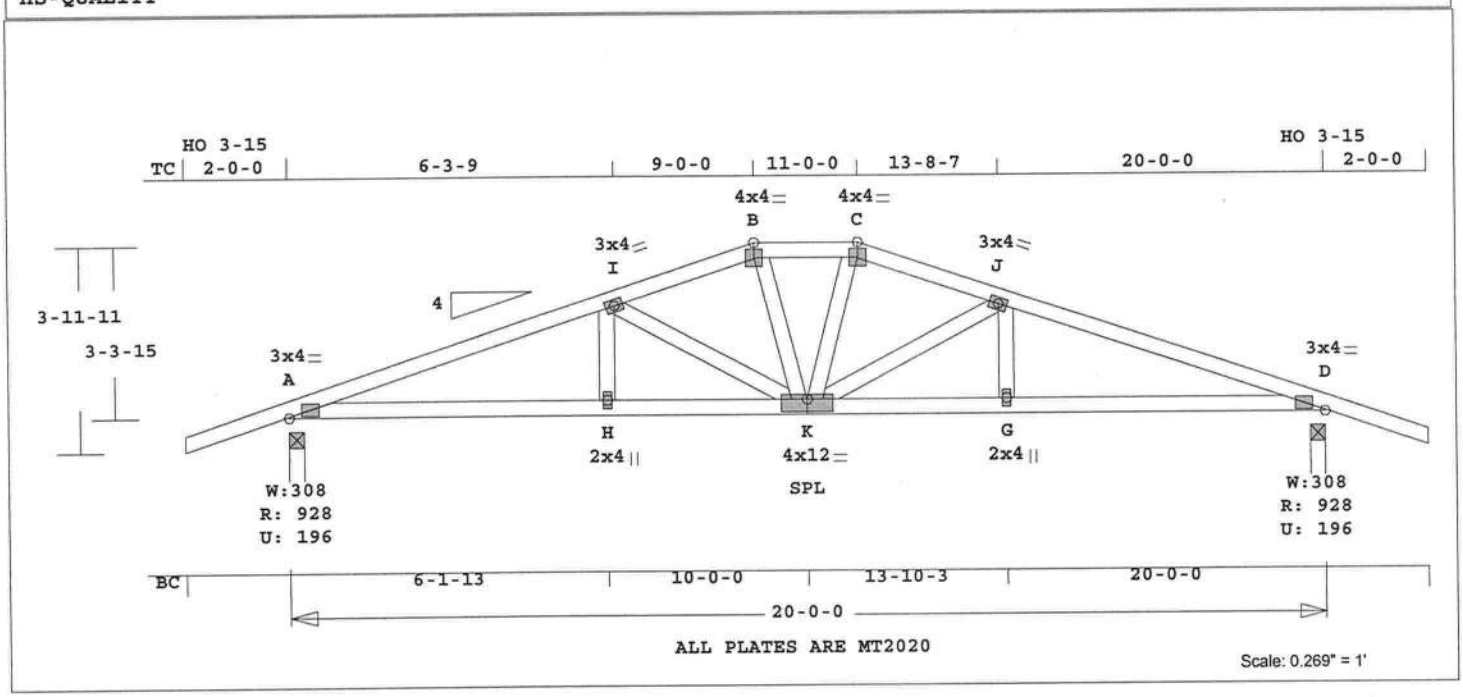
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1738 Lbs
Max tens. force 1652 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

FL Cert. 6634

July 27,2010

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HS-QUALITY	A2	2	HIPP	200000	4	2- 0- 0	2- 0- 0	T3820849

HS-QUALITY



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 118.2 LBS

Online Plus -- Version 27.0.003
RUN DATE: 27-JUL-10

	CSI	-Size-	----Lumber----
TC	0.34	2x 4	SP-#2
BC	0.42	2x 4	SP-#2
WB	0.13	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20- 0- 0
BC	Cont.	0- 0- 0	20- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	928	197 U	47 R
D	928	197 U	47 R

Jt	Brg Size	Required
A	3.5"	1.5"
D	3.5"	1.5"

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl	CSI-Bnd
Top Chords				
A -I	0.34	1733 C	0.14	0.20
I -B	0.30	1263 C	0.11	0.19
B -C	0.12	1271 C	0.11	0.01
C -J	0.30	1263 C	0.11	0.19
J -D	0.34	1733 C	0.14	0.20
Bottom Chords				
A -H	0.42	1647 T	0.27	0.15
H -K	0.35	1647 T	0.27	0.08
K -G	0.35	1647 T	0.27	0.08
G -D	0.42	1647 T	0.27	0.15
Webs				
H -I	0.03	209 T		
I -K	0.13	519 C		
B -K	0.05	288 T		
K -C	0.05	288 T		
K -J	0.13	519 C		
G -J	0.03	209 T		

TL Defl -0.16" in H -K L/999
LL Defl -0.07" in H -K L/999
Shear // Grain in A -I 0.21

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

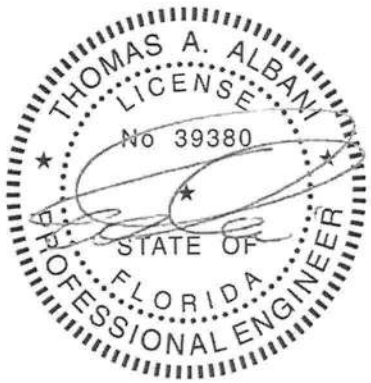
Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 4.0	Ctr	Ctr	0.82
I	MT20	3.0x 4.0	Ctr	Ctr	0.44
B	MT20	4.0x 4.0	Ctr	Ctr	0.60
C	MT20	4.0x 4.0	Ctr	Ctr	0.60
J	MT20	3.0x 4.0	Ctr	Ctr	0.44
D	MT20	3.0x 4.0	Ctr	Ctr	0.82
H	MT20	2.0x 4.0	Ctr	Ctr	0.34
K	MT20	4.0x12.0	Ctr	-1.0	0.61
G	MT20	2.0x 4.0	Ctr	Ctr	0.34

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.

Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 1733 Lbs
Max tens. force 1647 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

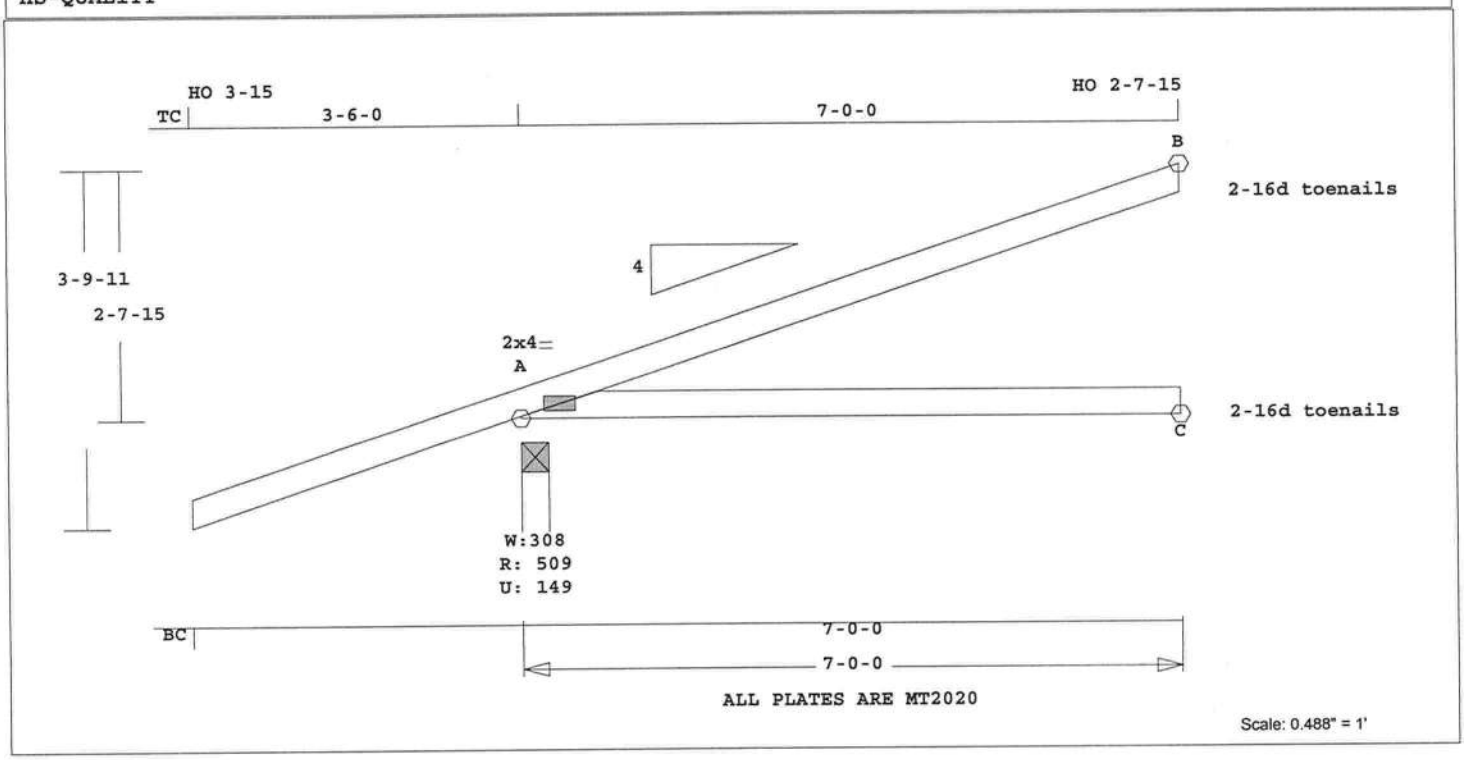


FL Cert. 6634

July 27,2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HS-QUALITY	*J1*	4	JCA2	70000	4	3- 6- 0	0	*T3820850*

HS-QUALITY



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 34.3 LBS

Online Plus -- Version 27.0.003
RUN DATE: 27-JUL-10

	CSI	-Size-	----Lumber----
TC	0.56	2x 4	SP-#2
BC	0.43	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 0- 0
BC	Cont.	0- 0- 0	7- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	509	149 U	222 R
C	130		
B	186	86 U	57 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.56	117 C	0.00 0.56
--------Bottom Chords---------			
A -C	0.43	0 T	0.00 0.43

TL Defl -0.19" in A -C L/413
LL Defl -0.07" in A -C L/999
Shear // Grain in A -B 0.31

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.73

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2005 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
Excessive Left OH condition.
Max allowable length is
3- 0-15. Support end or provide level return.
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.

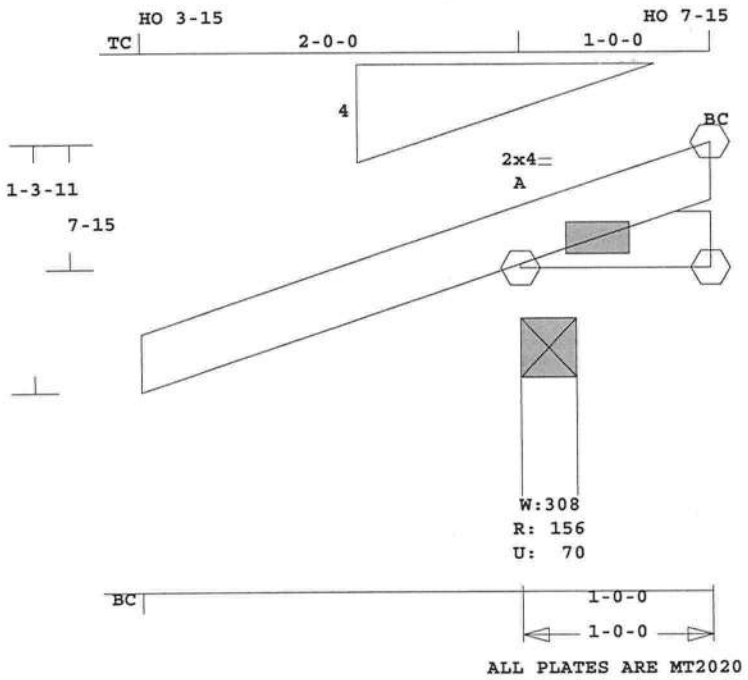
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 117 Lbs
Max tens. force 35 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

FL Cert. 6634

July 27,2010

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HS-QUALITY	J5	8	JCA2	10000	4	2- 0- 0	0	T3820851

HS-QUALITY



Scale: 0.986" = 1'

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 8.0 LBS

Online Plus -- Version 27.0.003
RUN DATE: 27-JUL-10

	CSI	-Size-	----Lumber----
TC	0.00	2x 4	SP-#2
BC	0.00	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	1- 0- 0
BC	Cont.	0- 0- 0	1- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	157	71 U	39 R
B	8	4 U	
A	43	9 U	7 R

Jt	Brg Size	Required
A	3.5"	1.5"
B	1.5"	1.5"
A	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.00	6 C	
--------Bottom Chords---------			
A -C	0.00	0 T	

TL Defl 0.00" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in B -B 0.01

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

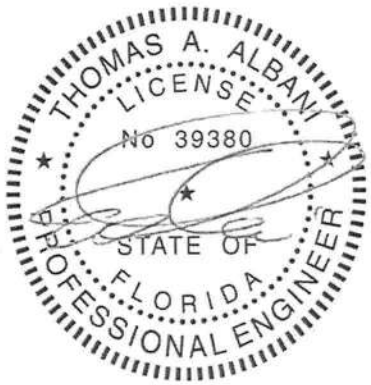
Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.73

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2005 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 6 Lbs
Max tens. force 1 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

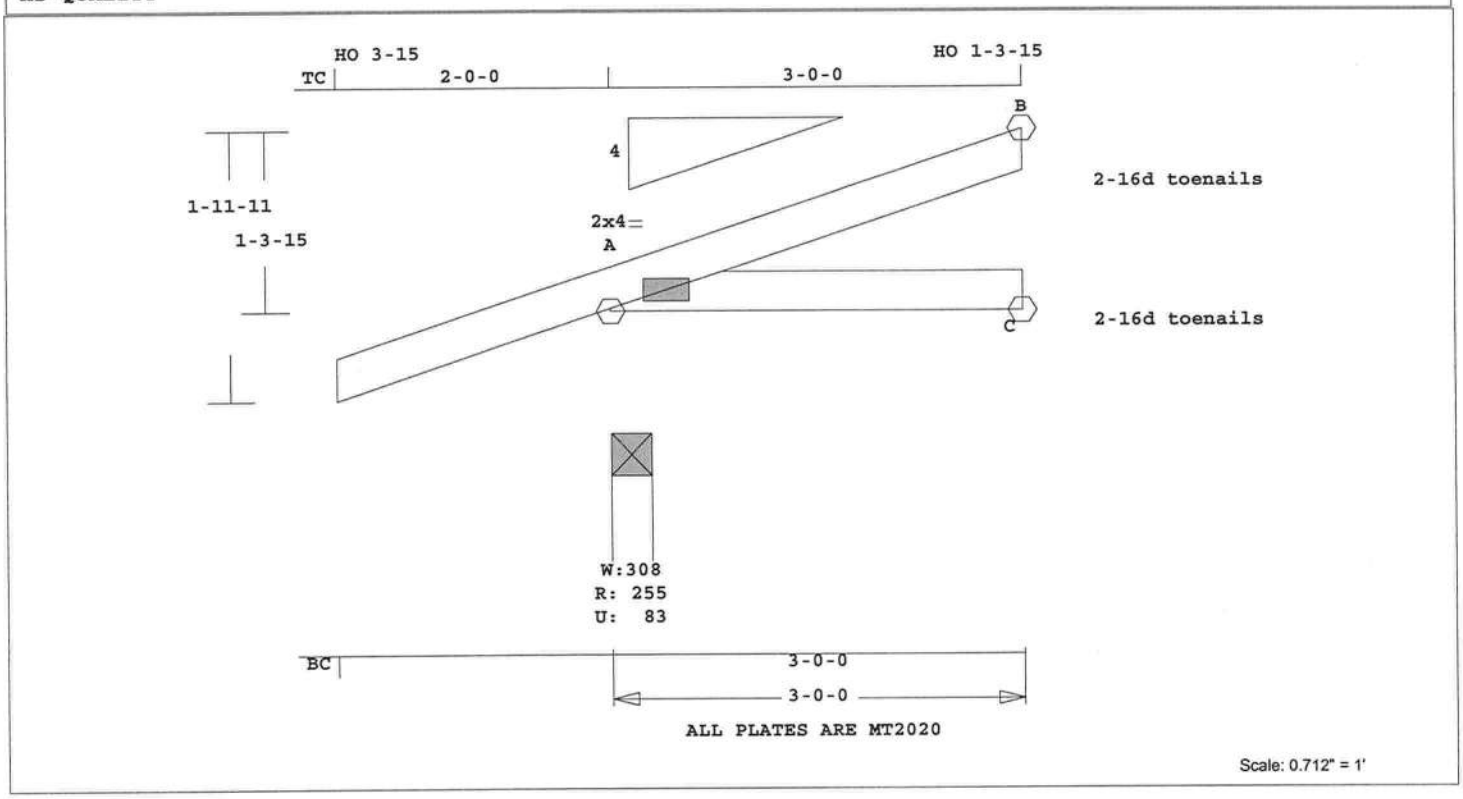


FL Cert. 6634

July 27,2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HS-QUALITY	*J4*	8	JCA2	30000	4	2- 0- 0	0	*T3820852*

HS-QUALITY



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 15.8 LBS

Online Plus -- Version 27.0.003
RUN DATE: 27-JUL-10

	CSI	-Size-	----Lumber----
TC	0.10	2x 4	SP-#2
BC	0.09	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	3- 0- 0
BC	Cont.	0- 0- 0	3- 0- 0

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing	24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	255	83 U	129 R
C	54		
B	75	35 U	24 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.10	56 C	0.00 0.10
--------Bottom Chords---------			
A -C	0.09	0 T	0.00 0.09

TL Defl -0.01" in A -C L/999
LL Defl 0.00" in A -C L/999
Shear // Grain in A -B 0.14

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.73

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2005 National Design Specification (NDS) for Wood Construction

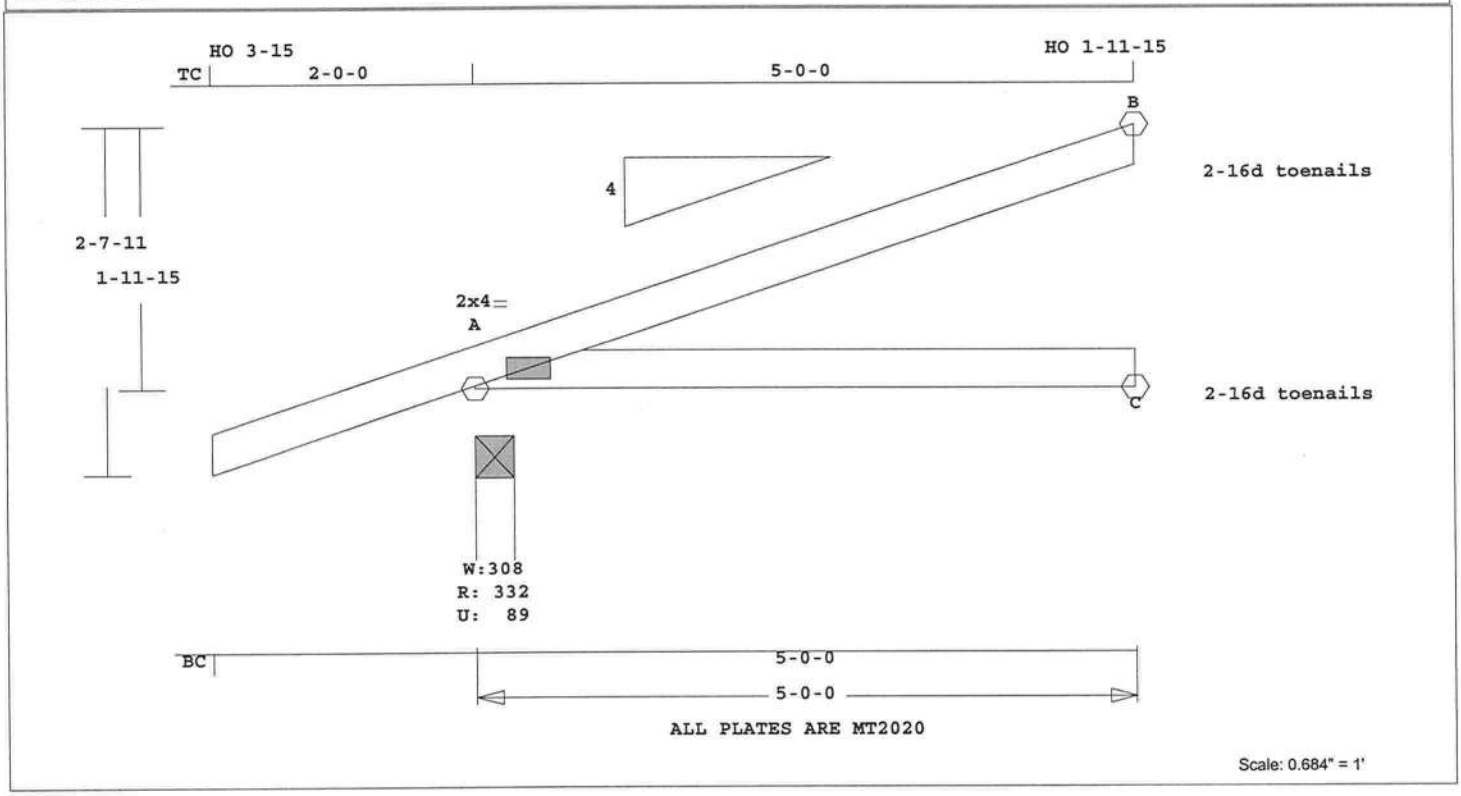
NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 56 Lbs
Max tens. force 15 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

FL Cert. 6634

July 27,2010

Job	Mark	Quan	Type	Span	Pl-Hl	Left OH	Right OH	Engineering
HS-QUALITY	J3	8	JCA2	50000	4	2- 0- 0	0	T3820853

HS-QUALITY



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 23.6 LBS

Online Plus -- Version 27.0.003
RUN DATE: 27-JUL-10

	CSI	-Size-	----Lumber----
TC	0.34	2x 4	SP-#2
BC	0.27	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	5- 0- 0
BC	Cont.	0- 0- 0	5- 0- 0

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing	24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	333	89 U	184 R
C	92		
B	132	61 U	40 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.34	94 C	0.00 0.34
--------Bottom Chords---------			
A -C	0.27	0 T	0.00 0.27

TL Defl -0.05" in A -C L/999
LL Defl -0.02" in A -C L/999
Shear // Grain in A -B 0.25

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

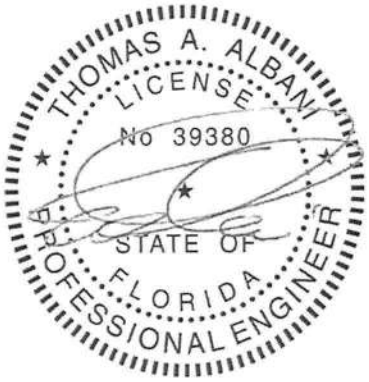
Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.73

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2005 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 94 Lbs
Max tens. force 25 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

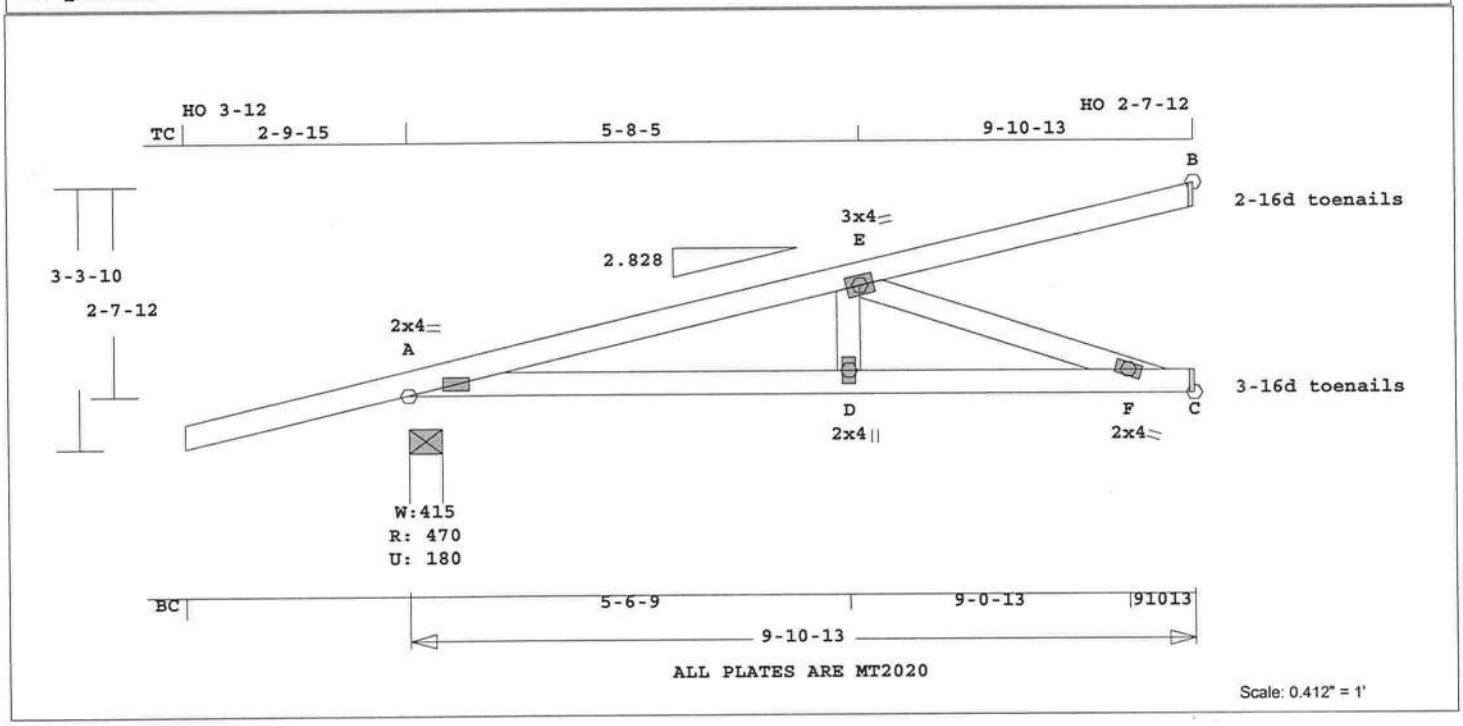


FL Cert. 6634

July 27,2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HS-QUALITY	*CJ1*	4	MONO.DD	91013	2.828	2- 9-15	0	*T3820854*

HS-QUALITY



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 53.1 LBS

Online Plus -- Version 27.0.003
RUN DATE: 27-JUL-10

	CSI	-Size-	----Lumber----
TC	0.42	2x 4	SP-#2
BC	0.36	2x 4	SP-#2
WB	0.26	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	9-10-13
BC	Cont.	0- 0- 0	9-10-13

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing	24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	471	181 U	206 R
C	348	44 U	
B	214	114 U	64 R

Jt	Brg Size	Required
A	4.9"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	9.9'
BC V	20	0	0.0'	9.9'
TC V	-20	-40	0.0'	
	22	45		9.9'
BC V	-20	0	0.0'	
	22	0		9.9'

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -E	0.36	886 C	0.07 0.29
E -B	0.42	85 C	0.00 0.42
--------Bottom Chords---------			
A -D	0.25	873 T	0.10 0.15
D -F	0.36	873 T	0.16 0.20
F -C	0.15	0 T	0.00 0.15
------------Webs------------			
D -E	0.03	256 T	
E -F	0.26	920 C	

TL Defl -0.07" in D -C L/999
LL Defl -0.03" in D -C L/999
Shear // Grain in C -C 0.44

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr	0.81
E	MT20	3.0x 4.0	Ctr	Ctr	0.56
D	MT20	2.0x 4.0	Ctr	Ctr	0.23
F	MT20	2.0x 4.0	Ctr	Ctr	0.62

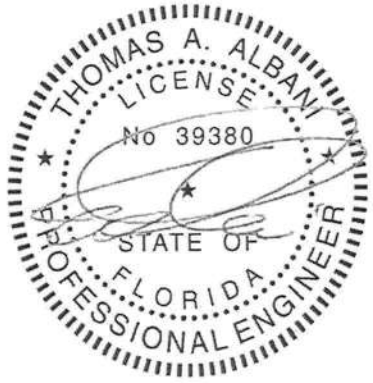
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2005 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
Girder King Jack
Loading TC and BC
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.

Use properly rated hangers for loads framing into girder truss.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 920 Lbs
Max tens. force 873 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

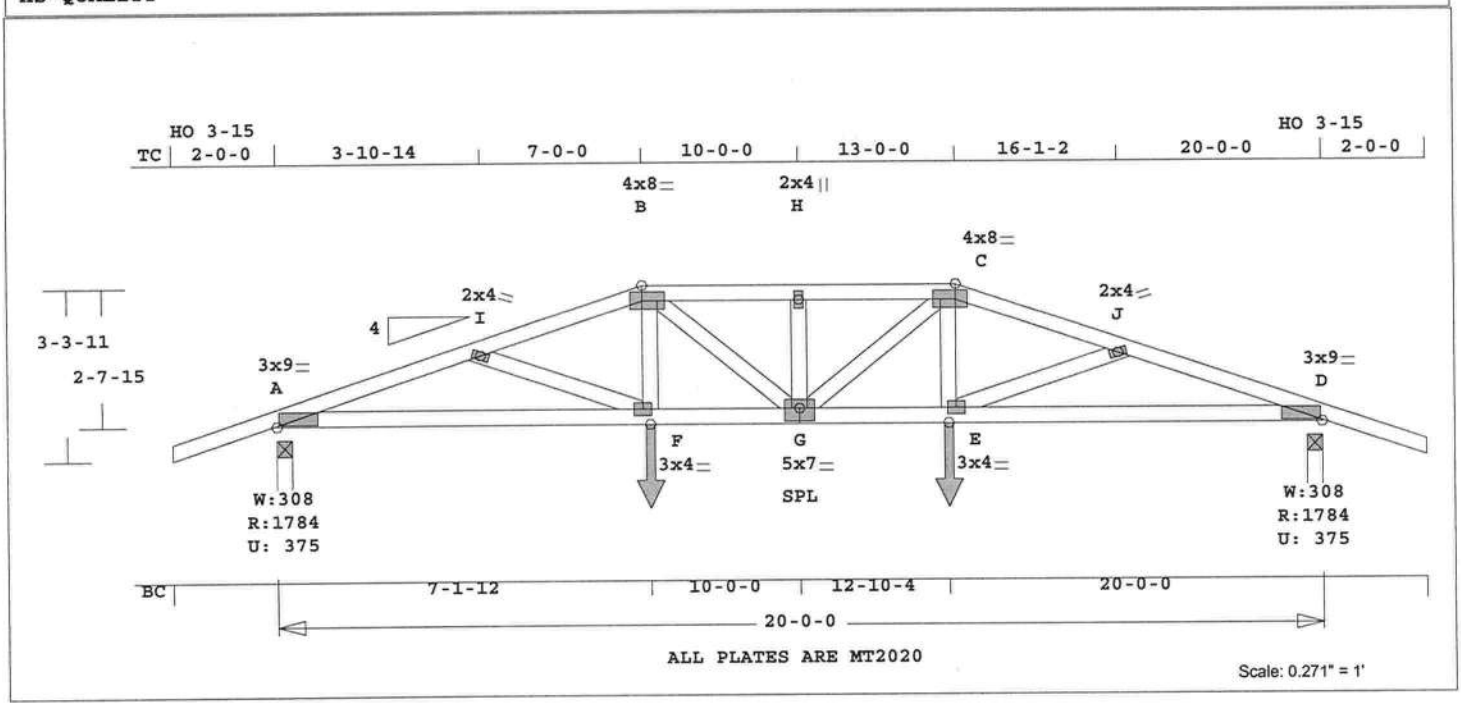


FL Cert. 6634

July 27,2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HS-QUALITY	*A3GIR*	2	HIPP	200000	4	2- 0- 0	2- 0- 0	*T3820855*

HS-QUALITY



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 122.6 LBS

Online Plus -- Version 27.0.003
RUN DATE: 27-JUL-10

	CSI	-Size-	----Lumber----
TC	0.57	2x 4	SP-#2
BC	0.91	2x 4	SP-#2
WB	0.12	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	20- 0- 0
BC	Cont.	0- 0- 0	20- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"

Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.00 Fc=1.00 Ft=1.00
BC Fb=1.00 Fc=1.00 Ft=1.00

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	1784	376 U	36 R
D	1784	376 U	36 R

Jt	Brg Size	Required
A	3.5"	2.1"
D	3.5"	2.1"

LC# 1 Girder Loading
Dur Fctrs - Lbr 1.25 Plt 1.25

plf -	Dead	Live*	From	To
TC V	20	40	0.0'	20.0'
BC V	20	0	0.0'	20.0'
TC V	25	50	7.0'	13.0'
BC V	25	0	7.1'	12.9'
BC V	280	280	7.1'	CL-LB
BC V	280	280	12.9'	CL-LB

Plus 9 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -I	0.57	4308 C	0.39 0.18
I -B	0.54	4229 C	0.37 0.17
B -H	0.51	4374 C	0.39 0.12
H -C	0.51	4374 C	0.39 0.12
C -J	0.54	4229 C	0.37 0.17
J -D	0.57	4308 C	0.39 0.18
--------Bottom Chords---------			
A -F	0.91	4063 T	0.75 0.16
F -G	0.82	4006 T	0.74 0.08
G -E	0.82	4006 T	0.74 0.08
E -D	0.91	4063 T	0.75 0.16
------------Webs------------			
I -F	0.02	172 T	
F -B	0.12	680 T	
B -G	0.08	471 T	
G -H	0.05	444 C	
G -C	0.08	471 T	
E -C	0.12	680 T	
E -J	0.02	172 T	

TL Defl -0.48" in G -E L/481
LL Defl -0.20" in G -E L/999
Shear // Grain in B -H 0.29

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt	Type	Plt Size	X	Y	JSI
A	MT20	3.0x 9.0	Ctr	Ctr	0.91
I	MT20	2.0x 4.0	Ctr	Ctr	0.32
B	MT20	4.0x 8.0-0.5	Ctr		0.70
H	MT20	2.0x 4.0	Ctr	Ctr	0.34
C	MT20	4.0x 8.0	0.5	Ctr	0.70
J	MT20	2.0x 4.0	Ctr	Ctr	0.32
D	MT20	3.0x 9.0	Ctr	Ctr	0.91
F	MT20	3.0x 4.0	Ctr	Ctr	0.60
G	MT20	5.0x 7.0	Ctr-0.5		0.94
E	MT20	3.0x 4.0	Ctr	Ctr	0.60

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002

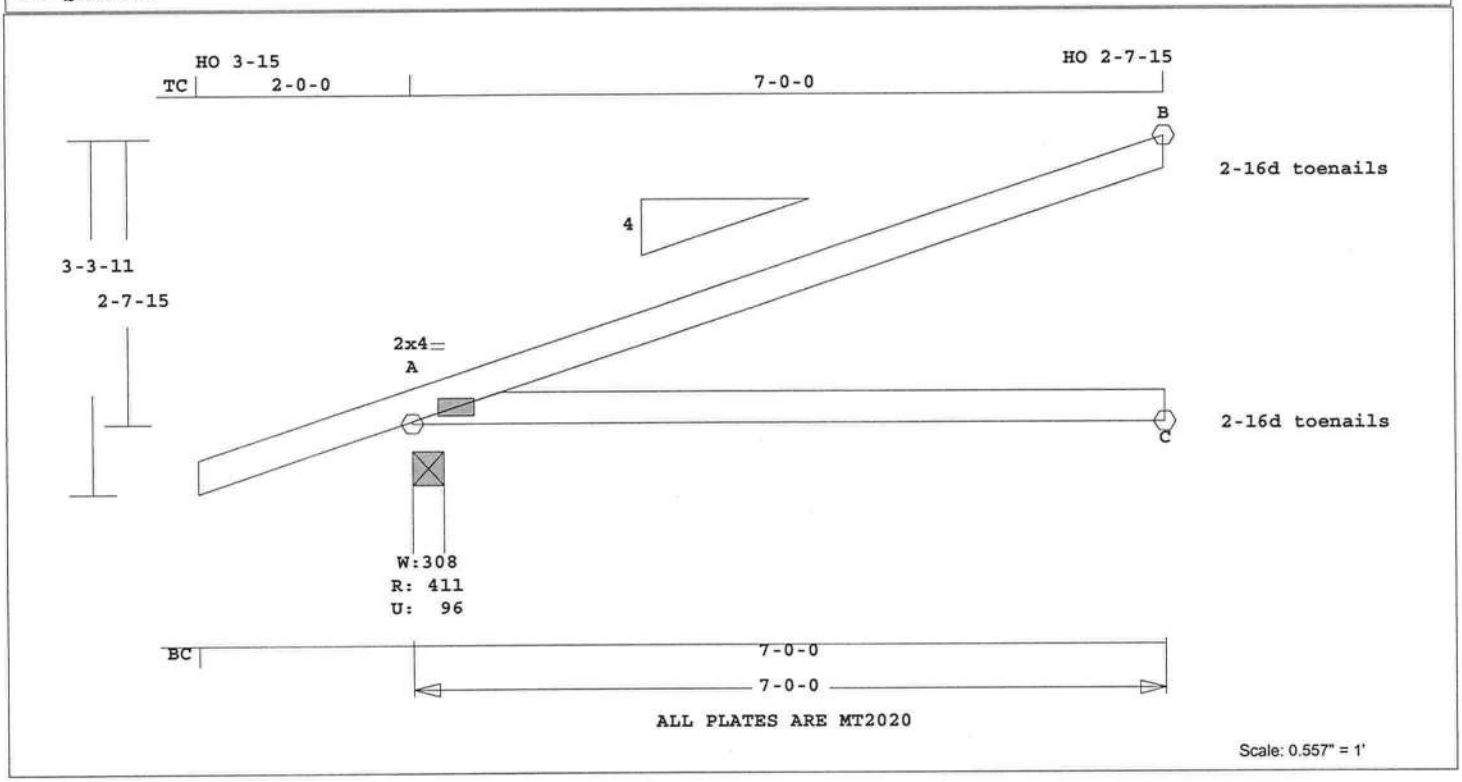
Girder Step Down Hip
Framing King Jacks
Jack Open Faced
Setback 7- 0- 0
OH Loading
Soffit psf 2.0
Design checked for 10 psf non-concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 4374 Lbs
Max tens. force 4063 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.

FL Cert. 6634

July 27,2010

Job	Mark	Quan	Type	Span	P1-H1	Left OH	Right OH	Engineering
HS-QUALITY	J2	4	JCA2	70000	4	2- 0- 0	0	T3820856

HS-QUALITY



MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 31.3 LBS

Online Plus -- Version 27.0.003
RUN DATE: 27-JUL-10

	CSI	-Size-	----Lumber----
TC	0.57	2x 4	SP-#2
BC	0.44	2x 4	SP-#2

Brace truss as follows:

	O.C.	From	To
TC	Cont.	0- 0- 0	7- 0- 0
BC	Cont.	0- 0- 0	7- 0- 0

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0

Total 40.0 Spacing 24.0"
Lumber Duration Factor 1.25
Plate Duration Factor 1.25
TC Fb=1.15 Fc=1.10 Ft=1.10
BC Fb=1.10 Fc=1.10 Ft=1.10

Total Load Reactions (Lbs)

Jt	Down	Uplift	Horiz-
A	411	96 U	222 R
C	130		
B	187	86 U	57 R

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"
B	1.5"	1.5"

Plus 8 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
----------Top Chords----------			
A -B	0.57	117 C	0.00 0.57
--------Bottom Chords---------			
A -C	0.44	0 T	0.00 0.44

TL Defl -0.19" in A -C L/404
LL Defl -0.08" in A -C L/999
Shear // Grain in A -B 0.31

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area

Jt Type	Plt Size	X	Y	JSI
A	MT20	2.0x 4.0	Ctr	Ctr 0.73

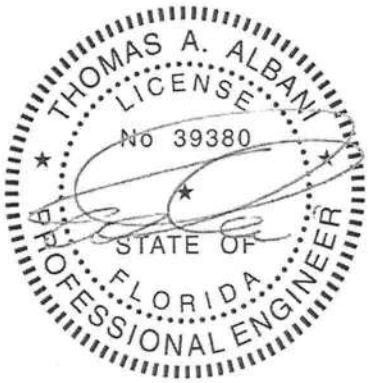
REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS.

For proper installation of toe-nails, refer to the 2005 National Design Specification (NDS) for Wood Construction

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2007
TPI 2002
OH Loading
Soffit psf 2.0
This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C. and any other member.
Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-05
Truss is designed as
Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Mean Roof Height: 15-0
Exposure Category: B
Occupancy Factor : 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 117 Lbs
Max tens. force 34 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.



FL Cert. 6634

July 27,2010

ONLINE PLUS GENERAL NOTES & SYMBOLS

108

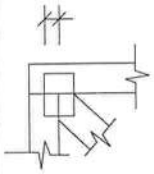
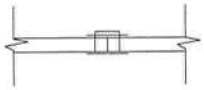


PLATE LOCATION

Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

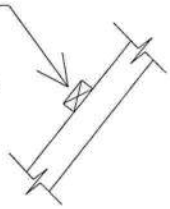
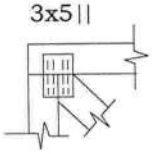


PLATE SIZE AND ORIENTATION

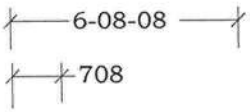
3x5||

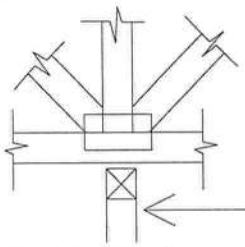


The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).





W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with " National Design Specifications for Wood Construction" (AF & PA), " National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Mitek Industries Inc. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI 1) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and " dominoing ". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.

MiTek®
POWER TO PERFORM.™

MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610-4115

Tel: 813-972-1135
Fax: 813-971-6117

CERTIFICATE OF COMPLETION

Hubert Sanderson

CBC1251261

April 19th, 20th, 21st, 2005

The above named attendee has successfully completed a specialized training course and achieved a passing score on the written examination for Designing to Comply with Wind Resistance Provisions for One and Two-Family Dwellings on the above referenced date in Hudson, Florida. This course is approved by Florida Construction Industry Licensing Board as specialized training for Division I contractors to certify drawings and specifications for wind resistance compliance on residential plans in accordance with Florida Statute Chapter 489.115(4)(b), and 2004 Florida Building Code Article 106.3.4.3.

CILB specialized training course approval number 0001189-0008024.

Robert Koning

R.J. Koning - Director, Contractors Institute

CONTRACTORS INSTITUTE

15409 US Highway 19, Hudson, FL 34667

1-877-LICENSE

DBPR provider 0001189

www.ContractorsInstitute.com

Replacement Certificate issued 12/21/2009

(original certificate validated by raised seal for Division I contractors)

106.3.4.3 Certifications by contractors authorized under the provisions of Section 489.115(4)(b), Florida Statutes, shall be considered equivalent to sealed plans and specifications by a person licensed under Chapter 471, Florida Statutes, or Chapter 481 Florida Statutes, by local enforcement agencies for plans review for permitting purposes relating to compliance with the wind-resistance provisions of the code or alternate methodologies approved by the Florida Building Commission for one- and two-family dwellings. Local enforcement agencies may rely upon such certification by contractors that the plans and specifications submitted conform to the requirements of the code for wind resistance. Upon good cause shown, local government code enforcement agencies may accept or reject plans sealed by persons licensed under Chapters 471, 481 or 489, Florida Statutes.

2. In addition, the board may approve specialized continuing education courses on compliance with the wind resistance provisions for one and two family dwellings contained in the Florida Building Code and any alternate methodologies for providing such wind resistance, which have been approved for use by the Florida Building Commission. Division I certificate holders or registrants who demonstrate proficiency upon completion of such specialized courses may certify plans and specifications for one and two family dwellings to be in compliance with the code or alternate methodologies, as appropriate, except for dwellings located in floodways or coastal hazard areas as defined in ss. 60.3D and E of the National Flood Insurance Program.

Columbia County, Florida
Planning & Zoning Department

Review of Building Permit for compliance with County's Comprehensive Plan and Land Development Regulations

To: Hubert Sanderson **Fax:** 352.542.8072

From : Brian L. Kepner, County Planner **Fax:** 386.758.2160

Number of Pages : 3 **Date :** 12 August 2010

RE: Building Permit Application 1007-48, Chad Heimbuch

Dear Mr. Sanderson:

A Special Family Lot Permit was approved for the above referenced building permit application. Before the permit can be issued the family relationship affidavit has to be signed and recorded in the Clerk of the Courts Office. Please find attached a copy of the family relationship affidavit that I have completed and obtained a new parcel ID number for the one (1) acre deeded to Mr. Heimbuch. Please have the affidavit signed in front of a notary and then recorded. Once the affidavit has been signed and recorded a copy of the affidavit needs to be submitted to my office.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.754.7119.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

Attachment

SPECIAL FAMILY LOT PERMIT AFFIDAVIT

STATE OF FLORIDA
COUNTY OF COLUMBIA

Inst:201012013748 Date:8/25/2010 Time:1:25 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1200 P:650

BEFORE ME the undersigned Notary Public personally appeared, Laurie Skipper, the Parent parcel Owner (Owner) which has been subdivided for Chad Heimbuch, the Immediate Family Member of the Owner, which is intended for the Immediate Family Members primary residence use. The Immediate Family Member is related to the Owner as Son. Both individuals being first duly sworn according to law, depose and say:

1. Affiant acknowledges Immediate Family Member is defined as parent, grandparent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.

2. Both the Owner and the Immediate Family Member have personal knowledge of all matters set forth in this Affidavit.

3. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference with the Columbia County Property Appraiser Parent Tract Tax Parcel No. 19-6S-17-09698-029.

4. The Owner has divided the parent parcel for use of an Immediate Family Member, for their primary residence and the family lot and the remaining parent parcel are at least one (1) acre in size.

5. The Immediate Family Member holds fee simple title to certain real property divided from the Owners' parent parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 19-6S-17-09698-034, and **shall obtain homestead exemption on said parcel once dwelling is placed on parcel.**

6. Except persons residing with the Immediate Family member, no person or entity other than the Owner and Immediate Family Member to whom permit is being issued claims or is presently entitled to the right of possession or is in possession of the family lot, and there are no tenancies, leases or other occupancies that affect the property.

7. The issuance of the Special Family Lot Permit shall comply with the Columbia County Land Development Regulations, as amended. The site location of the dwelling on the property shall be in compliance with all other conditions not conflicting with this section for permitting as set forth in the Columbia County Land Development Regulations.

8. This Affidavit is made for the specific purpose of inducing Columbia County to recognize a family division for an Immediate Family Member on the parcel divided in accordance with Section 14.9 of the Columbia County Land Development Regulations

9. This Affidavit and Agreement is made and given by Affiants with full knowledge that the facts contained herein are accurate and complete, and with full knowledge that the penalties under Florida law for perjury include conviction of a felony of the third degree.

We Hereby Certify that the facts represented by us in this Affidavit are true and correct and we accept the terms of the Agreement and agree to comply with it.

Laurie Skipper
Owner

Immediate Family Member

Laurie Skipper
Typed or Printed Name

Chad Heimbuch
Typed or Printed Name

Subscribed and sworn to (or affirmed) before me this 12th day of Aug, 2010, by Laurie Skipper (Owner) who is personally known to me or has produced _____ as identification.

Emily Doris Sanderson
Notary Public

EMILY DORIS SANDERSON
MY COMMISSION # DD965953
EXPIRES February 28, 2014
(407) [illegible] FloridaNotaryService.com

Subscribed and sworn to (or affirmed) before me this 12 day of Aug, 2010, by Chad Heimbuch (Family Member) who is personally known to me or has produced _____ as identification.

Emily Doris Sanderson
Notary Public

EMILY DORIS SANDERSON
MY COMMISSION # DD965953
EXPIRES February 28, 2014
(407) 398-0153 FloridaNotaryService.com

APPROVED: COLUMBIA COUNTY, FLORIDA

By: Brian L. Kepnet

Name: Brian L. Kepnet

Title: Land Development Regulation Administrator

TRANSMISSION VERIFICATION REPORT

TIME : 08/12/2010 11:59
NAME : BUILDING AND ZONING
FAX : 3867582160
SER.# : BROA8F779906

DATE,TIME	08/12 11:58
FAX NO./NAME	813525428072
DURATION	00:01:03
PAGE(S)	03
RESULT	OK
MODE	STANDARD ECM

COLUMBIA COUNTY, FLORIDA
SPECIAL FAMILY LOT PERMIT
APPLICATION

1. Name of Applicant (Immediate Family Member) Chad Joseph Heimbuch

Address 294 SW Cumorah Hill St City Ft. White

Zip Code 32038 Phone (386) 754-8954

2. Name of Title Holder (Parent Parcel Owner) LAURIE SKIPPER (mother)

Address 294 S.W. CUMORAH Hill St. City FT. WHITE

Zip Code 32038 Phone (386) 754-8954

3. Applicant's Relationship to Title Holder (Parent Parcel Owner) SON

4. Title Holder (Parent Parcel Owner) Tax Parcel ID# 19-6S-17-09698-029

5. Title Holder (Parent Parcel Owner) Size of Property 5 ACRES

6. Attach Copy of Parent Parcel Owners' Deed.

7. Attach Legal Description of Proposed Family Lot.

8. Attach a map, drawing or sketch of Parent Parcel showing location of proposed family lot being deeded to immediate Family Member with appropriate dimensions.

9. Attach copies of personal identification and proof of relationship of both the parent parcel owner and immediate family member. The personal identification shall consist of original documents or notarized copies from public records. Such documents may include birth certificates, adoption records, marriage certificates and/or other public records.

I (we) hereby certify that all of the above statements and the statements contained in any papers or plans submitted herewith are true and correct to the best of my (our) knowledge and belief.

Chad Heimbuch
Applicants Name (Print or Type)

Applicant Signature

6-22-10
Date

OFFICIAL USE

Current Land Use Classification A-3 Current Zoning District A-3

Date Filed: 24 JUNE 2010 Application No: FL 10-08

Fee Amount: $50.00 Receipt No.: 4071

Date Board of County Commissioner Meeting : _____

Board of County Commissioner's Decision:

Approved _____

Approved with conditions _____

_____

_____

Denied _____

Reason for Denial _____

_____

_____

"A"

Columbia County Property Appraiser

J. Doyle Crews - Lake City, Florida 32055 | 386-758-1083

PARCEL: 19-6S-17-09698-029 - MOBILE HOM (000200)

COMM NW COR OF SE1/4, RUN S 30 FT TO S R/W CUMORAH HILL RD, E ALONG R/W 742.81 FT FOR POB, CONT E 1726.66 FT, S 634.08 FT, W 1663.82 FT, N 632.05 FT T

NOTES:

Name:	SKIPPER LAURIE J
Site:	294 SW CUMORAH HILL ST
Mail:	294 SW CUMORAH HILL ST FT WHITE, FL 32038
Sales Info	NONE

2009 Certified Values

Land	$42,065.00
Bldg	$21,103.00
Assd	$45,207.00
Exmpt	$24,104.00
Taxbl	Cnty: $21,103 Other: $21,103 | Schl: $21,103

JULY 1, 2010
BOARD OF COUNTY COMMISSIONERS MEETING
BUILDING AND ZONING DEPARTMENT
SPECIAL FAMILY LOT PERMITS
CONSENT AGENDA

FL1008 – Immediate Family Member: Chad J. Heimbuch
Parent Parcel Owner: Laurie Skipper
Family Relationship: Son
Acreage Being Deeded: 1.0
Acreage Remaining: 4.0
Location of Property: See attachment "A"

Requesting approval of the Special Family Lot permit as indicated above. Meets the requirements of Section 14.9 of the Land Development Regulations, as amended. Staff recommends approval.

COLUMBIA COUNTY BOARD
OF COUNTY COMMISSIONERS

CHAIRMAN

BCC APPROVED
7-1-10

DATE

"A"

Columbia County Property Appraiser

J. Doyle Crews - Lake City, Florida 32055 | 386-758-1083

PARCEL: 19-6S-17-09698-029 - MOBILE HOM (000200)

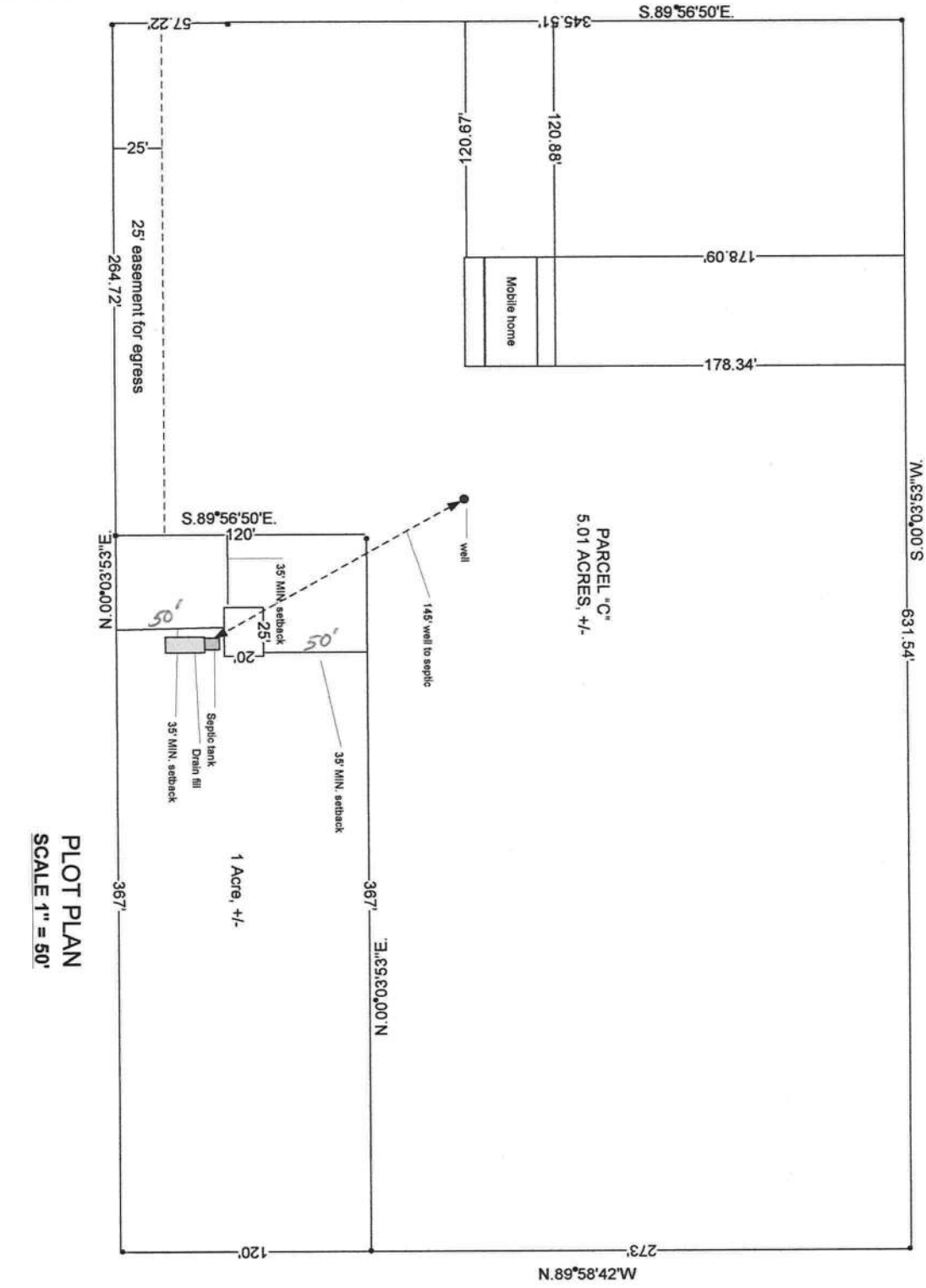
COMM NW COR OF SE1/4, RUN S 30 FT TO S R/W CUMORAH HILL RD, E ALONG R/W 742.81 FT FOR POB, CONT E 1726.66 FT, S 634.08 FT, W 1663.82 FT, N 632.05 FT T

Name:	SKIPPER LAURIE J
Site:	294 SW CUMORAH HILL ST
Mail:	294 SW CUMORAH HILL ST FT WHITE, FL 32038
Sales Info	NONE

2009 Certified Values

Land	$42,065.00
Bldg	$21,103.00
Assd	$45,207.00
Exmpt	$24,104.00
Taxbl	Cnty: $21,103 Other: $21,103 | Schl: $21,103

NOTES:


CAMORAH HILL ROAD (PAVED/PUBLIC)
S.89°56'50"E.
345.51'
57.22'
120.87'
120.88'
25'
25' easement for egress
264.72'
178.09'
Mobile home
178.34'
S.00°03'53"W.
631.54'
PARCEL "C"
5.01 ACRES, +/-
well
S.89°56'50"E.
120'
N.00°03'53"E.
35' MIN. setback
50'
25'
20'
50'
145' well to septic
35' MIN. setback
Septic tank
Drain fill
35' MIN. setback
1 Acre, +/-
367'
367'
N.00°03'53"E.
120'
273'
N.89°58'42"W
PLOT PLAN
SCALE 1" = 50'

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

9 July 2010

Mr. Chad Heimbuch
294 Southwest Cumorah Hills Street
Ft. White, FL 32038

RE: Special Family Lot Permit

Dear Mr. Heimbuch:

This is to confirm that the Board of County Commissioners at their regularly scheduled meeting of 1 July 2010, approved the special family lot permit for property deeded to you by your mother, Laurie Skipper. The next step is to have the property deeded over to you as the Immediate Family Member and obtain a new tax parcel ID # from the Property Appraiser's Office. As a reminder, under the County's regulations a building permit for a house or move-on permit for a mobile home must be applied for within one (1) year of being approved.

If you have any questions concerning this matter, please do not hesitate to contact me at 754.7119.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

Inst:201012011529 Date:7/20/2010 Time:4:29 PM
Doc Stamp-Deed:0.70
DC,P.DeWitt Cason,Columbia County Page 1 of 2 B:1198 P:249

QUITCLAIM DEED

THIS QUITCLAIM DEED, Executed this 14th day of June ,

2010 (year),

by first party, Grantor, Laurie Skipper

whose post office address is 294 SW Cumorah Hill St. Ft. White, Fl 32038

to second party, Grantee, Chad Heimbuch

whose post office address is 294 SW Cumorah St., Ft. White, Fl 32038

WITNESSETH, That the said first party, for good consideration and for the sum of Ten Dollars ($10.00) paid by the said second party, the receipt whereof is hereby acknowledged, does hereby remise, release and quitclaim unto the said second party forever, all the right, title, interest and claim which the said first party has in and to the following described parcel of land, and improvements and appurtenances thereto in the County of, Columbia State of Florida to wit:

From the SW corner of Parcel "C", Section 19, Township 6 South, Range 17 East, Columbia County, Florida and run N.00 01'49"E., 367 feet, Thence S.89 56'50"e., 120 feet, Thence S.00 03'53" W. 367 Feet, Thence N89 58'42"W., 120 Feet to the point of Beginning, containing 1 Acre More or Less. Also granted is a 25' easement along the Northwest side of Parcel "C" Beginning at the NW Corner and running South 264.72'.

[Signatures on following page.]

Initials of First Party

AHAAAEZA

IN WITNESS WHEREOF, The said first party has signed and sealed these presents the day and year first above written. Signed, sealed and delivered in presence of:

Hubert Sanderson
Signature of Witness

Laurie Skipper
Signature of First Party, Grantor

HUBERT SANDERSON
Print name of Witness

LAURIE SKIPPER
Print name of First Party

Signature of Witness

Signature of First Party, Grantor

Print name of Witness

Print name of First Party

STATE OF Florida }
COUNTY OF Lipie
On 6-15-10 before me,
appeared Laurie Skipper
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Emily Doris Sanderson
Signature of Notary

Affiant ____Known ✓Produced ID
Type of ID S160-528-58 957-0

(Seal)

EMILY DORIS SANDERSON
MY COMMISSION # DD965953
EXPIRES February 28, 2014
(407) 398-0153 FloridaNotaryService.com

Hubert Sanderson
Signature of Preparer

Hubert Sanderson
Print Name of Preparer

34 SE Hwy 349 Old Town, FL
Address of Preparer

lgs
Initials of First Party

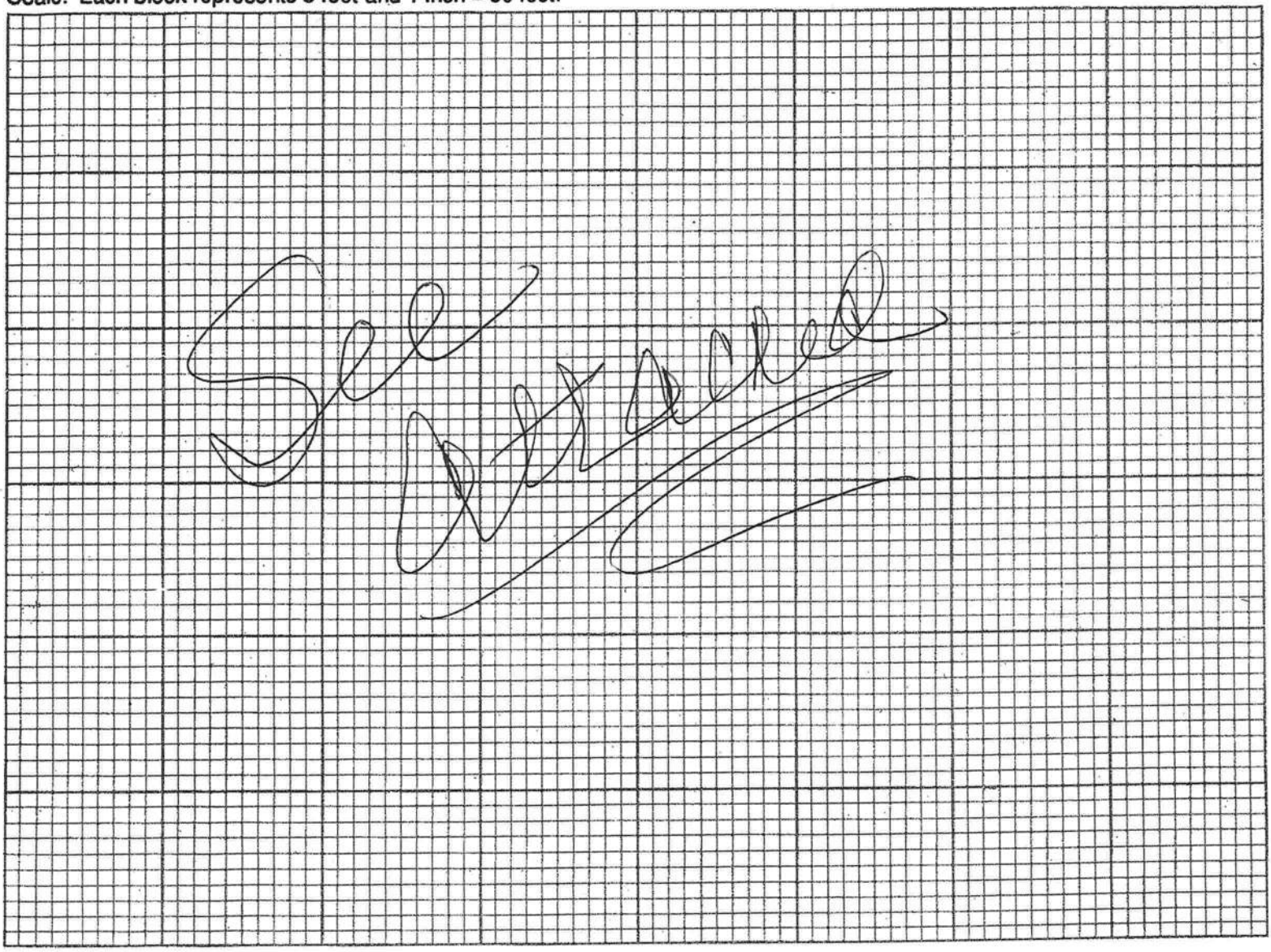
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 10-0955

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: _____

Site Plan submitted by: Hubert Sanders (Signature) Agent (Title)

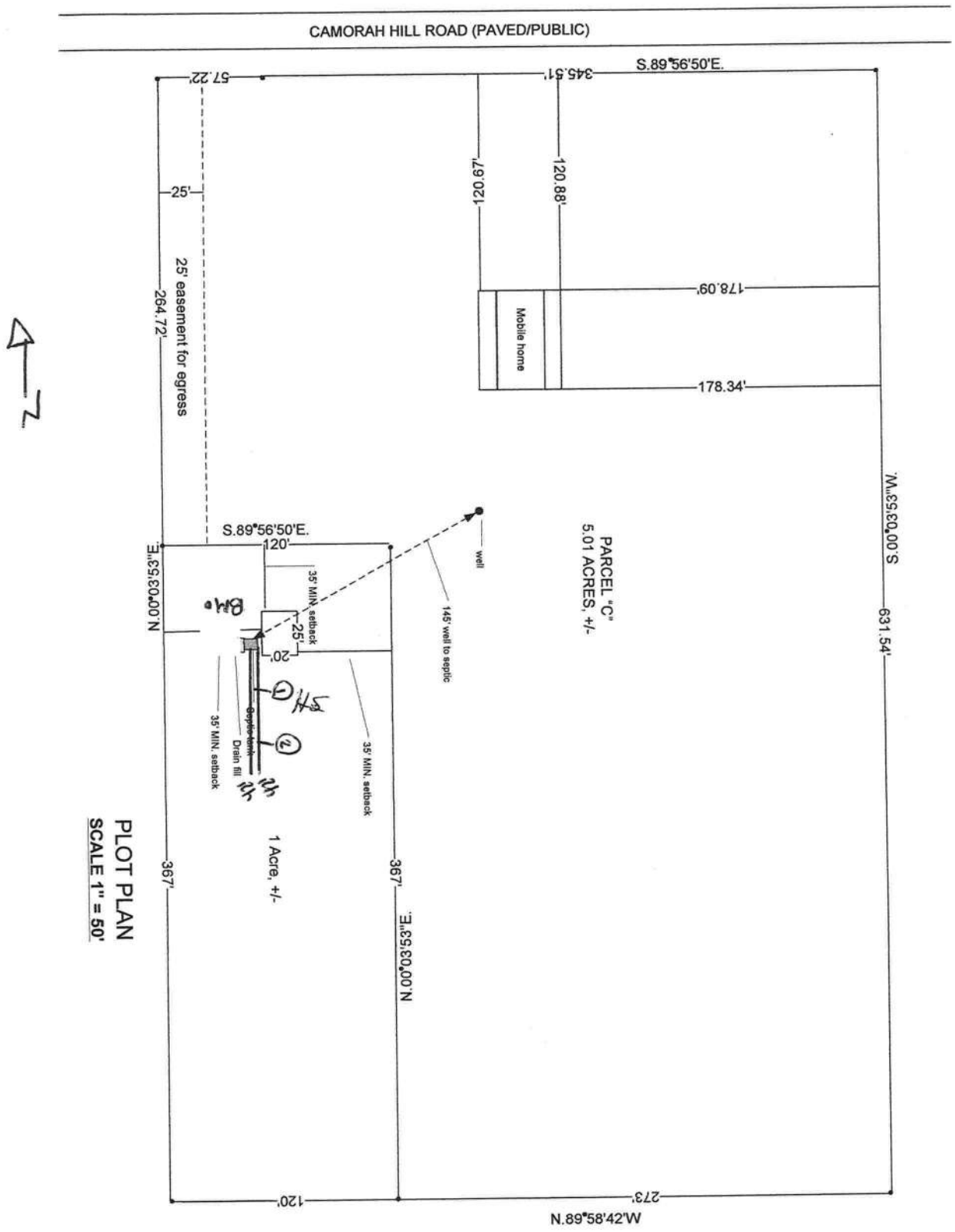
Plan Approved ✓ Not Approved _____ Date 7/27/10

By _____ Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4015 which may be used)
(Stock Number: 5744-002-4015-6)

11-0355



PLOT PLAN

SCALE 1" = 50'

CAMORAH HILL ROAD (PAVED/PUBLIC)

SCALE 1" = 50'

COLUMBIA COUNTY, FLORIDA
SPECIAL FAMILY LOT PERMIT
APPLICATION

NOTICE TO APPLICANT

The purpose of Section 14.9 of the Land Development Regulations is intended to promote the perpetuation of the family homestead in rural areas by making it possible for immediate family members to reside on lots as their primary residence. Immediate family member is defined as parent, grandparent, adopted parent, stepparent, sibling, child, adopted child, stepchild or grandchild. The lot conveyed to the immediate family member is at least one (1) acre in size and the remaining lot is at least one (1) acre in size. The Board of County Commissioners may approve, approve with appropriate conditions, or deny a Special Family Lot request.

The following are the procedures for obtaining a Special Family Lot Permit:

1. Complete the Special Family Lot Permit Application and attach all required documentation listed on the application. Turn in complete application with $50.00 fee to the Planning and Zoning Department.

2. Your application will be processed for completeness. Upon receiving a complete application, it will be placed on the consent agenda for the Board of County Commissioners consideration. Approximately two (2) weeks after receiving a complete application.

3. The Board of County Commissioners will notify the Planning and Zoning Department of its decision concerning the application and notify the department of the decision. If approve, applicant will be required to record the deed of the special family lot and obtain a new parcel ID # from the Columbia County Property Appraiser's Office.

4. Apply for a building permit or mobile home move-on permit within one (1) year of the date of approval by the Board of County Commissioners. At the time of application for the permit, applicant will need to provide a copy of the recorded deed, new parcel ID #, and the completed and recorded Affidavit for a Special Family Lot Permit.

5. Upon completion of the home, applicant will need to file for Homestead Exemption between January 1 and March 31st.

COUNTY OF BERRIEN)

I, FORREST H. KESTERKE, Clerk of the County of Berrien, Clerk of the Circuit Court of said County, the same being a Court of Record and having a seal do hereby certify that I have compared the below copy with the original record thereof now remaining in my office and found it to be a true copy.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the Seal of said Circuit Court at St. Joseph, this 1st day of April, A.D. 1982.

FORREST H. KESTERKE
COUNTY CLERK

Debbie Clark
DEPUTY CLERK

LF 323

CF

STATE OF MICHIGAN
DEPARTMENT OF PUBLIC HEALTH

STATE FILE NUMBER

CERTIFICATE OF LIVE BIRTH

3

CHILD - NAME (FIRST)	(MIDDLE)	(LAST)			
1. Chad	Joseph	Heimbuch			
SEX	THIS BIRTH - SINGLE, TWIN, TRIPLET, ETC. (SPECIFY)	IF NOT SINGLE - BORN 1ST, 2ND, 3RD, ETC. (SPECIFY)	DATE OF BIRTH (MO) (DAY) (YEAR)	HOUR	
2. Male	3a Single	3b	4a Feb. 25, 1978	4b 9:15A M	
HOSPITAL NAME - (IF NOT HOSPITAL GIVE STREET AND NUMBER)	CITY, VILLAGE, OR TOWNSHIP OF BIRTH	COUNTY OF BIRTH			
5a Memorial	5b St. Joseph	5c Berrien			
I CERTIFY THAT THE ABOVE NAMED CHILD WAS BORN ALIVE AT THE PLACE AND TIME AND ON THE DATE STATED ABOVE		NAME AND TITLE OF ATTENDANT AT BIRTH IF OTHER THAN CERTIFIER			
6a SIGNATURE Joseph J Rambo MD	DATE 2-25-78	8b			
CERTIFIER NAME AND TITLE (PRINT OR TYPE)	MAILING ADDRESS (ST. NO., CITY OR VILLAGE, STATE, ZIP)				
6c Joseph J. Rambo, M.D.	6d Bridgman, Michigan 49106				
REGISTRAR'S SIGNATURE	DATE RECEIVED BY LOCAL REGISTRAR - (MO., DAY, YEAR)				
7a Forrest H. Kesterke pt	7b FEB 28 1978				
MOTHER - MAIDEN NAME	SOCIAL SECURITY NUMBER	AGE (AT TIME OF THIS BIRTH)	STATE OF BIRTH - NAME COUNTRY IF NOT USA		
8a LAURIE JO HOADLEY (FIRST) (MIDDLE) (LAST)	8b [redacted]	8c 23	8d Indiana		
RESIDENCE (Check one and specify)	COUNTY	STATE			
9a ☐ INSIDE CITY LIMITS OF ☐ INSIDE VILLAGE LIMITS OF ☒ TWP. OF THREE OAKS	9b BERRIEN	9c MICHIGAN			
FATHER - NAME	SOCIAL SECURITY NUMBER	AGE (AT TIME OF THIS BIRTH)	STATE OF BIRTH - NAME COUNTRY IF NOT USA		
9a Clifford Lee Heimbuch (FIRST) (MIDDLE) (LAST)	9b [redacted]	9c 28	9d Indiana		
I CERTIFY THAT THE PERSONAL INFORMATION PROVIDED ON THIS CERTIFICATE IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.			RELATION TO CHILD		
10a SIGNATURE Clifford Lee Heimbuch	DATE 2-25-78		10b Father		

LF 142

CF

0105698

DEPARTMENT OF PUBLIC HEALTH

STATE FILE NUMBER

CERTIFICATE OF DEATH

DECEDENT

1. DECEDENT NAME (First, Middle, Last): Clifford L. Heimbuch
2. SEX: Male
3. DATE OF DEATH (Mo., Day, Yr.): 1-31-1981
4. RACE (e.g. White, Black, American Indian, etc.) (Specify): White
5a. AGE – Last Birthday (Yrs.): 31
5b. UNDER 1 YEAR (Mos, Days):
5c. UNDER 1 DAY (Hours, Mins):
6. DATE OF BIRTH (Mo., Day, Yr.): 1-6-1950
7a. COUNTY OF DEATH: Berrien
7b. LOCATION OF DEATH (Check one and specify): [X] INSIDE CITY LIMITS OF St. Joseph / [ ] INSIDE VILLAGE LIMITS OF / [ ] TWP OF
7c. HOSPITAL OR OTHER INSTITUTION – Name (If not in either, give street and number): Memorial Hospital
8. STATE OF BIRTH (If not in U.S.A. name country): Indiana
9. CITIZEN OF WHAT COUNTRY: USA
10. MARRIED, NEVER MARRIED, WIDOWED, DIVORCED (Specify): Married
11. SURVIVING SPOUSE (If wife, give maiden name): Laurie Hoadley
12. WAS DECEDENT EVER IN U.S. ARMED FORCES? (Specify Yes or No): YEs
13. SOCIAL SECURITY NUMBER: [redacted]
14a. USUAL OCCUPATION (Give kind of work done during most of working life, even if retired): maintenance
14b. KIND OF BUSINESS OR INDUSTRY: manufacturing

IF DEATH OCCURRED IN INSTITUTION, SEE MANUAL REGARDING COMPLETION OF RESIDENCE ITEMS

15a. CURRENT RESIDENCE – STATE: Michigan
15b. COUNTY: Berrien
15c. LOCALITY (Check one and specify): [ ] INSIDE CITY LIMITS OF / [ ] INSIDE VILLAGE LIMITS OF / [X] TWP OF Three Oaks
15d. STREET AND NUMBER: Route 1, Box 33 Kruger Road

PARENTS

16. FATHER – NAME (First, Middle, Last): Edward Heimbuch
17. MOTHER – MAIDEN NAME (First, Middle, Last): Patricia Stephens
18a. INFORMANT (Signature): Laurie Heimbuch
18b. MAILING ADDRESS (Street or R.F.D. No., City or Town, State, Zip): Route 1, Box 33, Three Oaks, MI 49128

CAUSE OF DEATH

CONDITIONS IF ANY WHICH GAVE RISE TO IMMEDIATE CAUSE STATING THE UNDERLYING CAUSE LAST

19. PART I IMMEDIATE CAUSE [ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).]
(a) Automobile accident c̄ extensive head and internal injuries — Interval between onset and death: Immed.
DUE TO, OR AS A CONSEQUENCE OF:
(b) — Interval between onset and death:
DUE TO, OR AS A CONSEQUENCE OF:
(c) — Interval between onset and death:

PART II OTHER SIGNIFICANT CONDITIONS – Conditions contributing to death but not related to cause given in PART I

20. AUTOPSY (Specify Yes or No): Yes
21. WAS CASE REFERRED TO MEDICAL EXAMINER? (Specify Yes or No): Yes

22a. PLACE OF DEATH (Home, Nursing Home, Hospital, Ambulance) (Specify): Highway
22b. IF HOSP. OR INST., Indicate DOA, OP Emer. Rm., Inpatient (Specify): D.O.A. E.R.

CERTIFIER

CERTIFYING PHYSICIAN

23a. To the best of my knowledge, death occurred at the time, date and place and due to the cause(s) stated (Signature and Title)
23b. DATE SIGNED (Mo., Day, Yr.):
23c. HOUR OF DEATH: M
23d. NAME OF ATTENDING PHYSICIAN IF OTHER THAN CERTIFIER (Type or Print)

MEDICAL EXAMINER

24a. (Check one box) [ ] This case reviewed and determined not to be a medical examiner's case / [X] On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place and due to the cause(s) stated
(Signature and Title) Jon D. McWhirter, M.D.
24b. DATE SIGNED (Mo., Day, Yr.): 2/2/81
24c. HOUR OF DEATH: ~11³⁹ P.M.
24d. PRONOUNCED DEAD (Mo., Day, Yr.) ON: 1/31/81
24e. PRONOUNCED DEAD (Hour) AT: ~11⁴⁵ P.M.

25. NAME AND ADDRESS OF CERTIFIER (PHYSICIAN OR MEDICAL EXAMINER) (Type or Print): Jon D. McWhirter, M.D., 2611 Morton, St. Joseph, Michigan 49085

26a. ACC., SUICIDE, HOM., NATURAL OR PENDING INVEST. (Specify): ACC.
26b. DATE OF INJURY (Mo., Day, Yr.): 1/31/81
26c. HOUR OF INJURY: ~11³⁹ P.M.
26d. DESCRIBE HOW INJURY OCCURRED: 2-car automobile accident
26e. INJURY AT WORK (Specify Yes or No): No
26f. PLACE OF INJURY – At home, farm, street, factory, office building, etc. (Specify): Highway
26g. LOCATION (Street or R.F.D. No., City, Village, or Township, State): Kruger-Avery Rds. Three Oaks Twp. Berrien Mich.

DISPOSITION

27a. BURIAL, CREMATION, REMOVAL, OTHER (Specify): Burial
27b. CEMETERY OR CREMATORY – NAME: Forest Lawn
27c. LOCATION (City, Village, or Township, State): Three Oaks, Michigan
27d. DATE (Mo., Day, Yr.): 2-4-1981
28a. NAME OF FACILITY: Connelly-Noble
28b. ADDRESS OF FACILITY: Three Oaks, Michigan
28c. FUNERAL SERVICE LICENSEE (Signature): LaVern D. Noble
29a. REGISTRAR (Signature): Forrest H. Kesterke
29b. DATE RECEIVED BY REGISTRAR (Mo., Day, Yr.): 2-5-81

B-36a (4/78)

STATE OF MICHIGAN)
COUNTY OF BERRIEN) ss

I, FORREST H. KESTERKE, Clerk of the County of Berrien, Clerk of the Circuit Court of said County, the same being a Court of Record and having a seal, do hereby certify that I have compared the below copy with the original record thereof now remaining in my office and have found it to be a true copy.

IN TESTIMONY WHEREOF, I have hereunto set my hand and have affixed the Seal of said Circuit Court at St. Joseph

Marriage License

State File No. 1629

Local File No.

BERRIEN COUNTY, MICHIGAN

To any person legally authorized to solemnize marriage in the State of Michigan,

Greeting:

Marriage must be solemnized within 30 days of date of issue *in the State of Michigan*

between

Clifford Lee Heimbuch		Laurie Jo Hoadley	
Full name of male	and	Full name of female	
24	1-6-50	19	12-17-54
Age at last birthday	Date of birth	Age at last birthday	Date of birth
209 Chicago St.		R #1, Box 40	
Residence No. Street		Residence No. Street	
Three Oaks, Michigan	49128	Three Oaks, Michigan	49128
City State	Zip Code	City State	Zip Code
South Bend, Indiana		South Bend, Indiana	
Birthplace—city and state		Birthplace—city and state	
Factory Worker		Bank Teller	
Occupation		Occupation	
None		None	
Number of times previously married		Number of times previously married	
Edward A. Heimbuch		Roy S. Hoadley	
Father's full name		Father's full name	
Patricia E. Stephens		Joy C. Larson	
Mother's maiden name		Mother's maiden name	

_____, and whose
Maiden name (if a widow)

parent's or guardian's consent, in case she has not attained the age of eighteen years, has been filed in my office. An affidavit has been filed in this office, as provided by Public Act No. 128, Laws of 1887, as amended, by which it appears that said statements are true.

In witness whereof, I have signed and sealed these presents,

this 26th day of October, A. D. 19 74

L.S.

Forrest H. Kesterke
County Clerk

Marian Essig
Deputy County Clerk

This marriage license VOID 30 days after date of issue.

Certificate of Marriage

Between Mr. Clifford Lee Heimbuch and M. Laurie Jo Hoadley

I hereby certify that, in accordance with the above license, the persons herein mentioned were joined in marriage by me, at SAWYER UNITED CH. OF CHRIST, county of BERRIEN, MICHIGAN, on the 2ND day of NOVEMBER A. D. 19 74, in the presence of Edward A. Heimbuch (Full name) of UNION PIER, Mich. (Residence—city and state), and Karen Jo Luther (Full name) of Three Oaks, Mich (Residence—city and state), as witnesses.

D. Wayne Roth
Signature of magistrate or clergyman

lay pastor
Official title

5294 Washington St, Joseph, Michigan 49085
Post office address

THIS DUPLICATE must be delivered by the person solemnizing marriage to one of the parties joined in marriage.

This space reserved for binding.

MARRIAGE RECORD
FLORIDA

APPLICATION NO. 86-54

APPLICATION TO MARRY

MALE PERSONAL DATA

1. Name of Male (First) JIMMY (Middle) DARELL (Last) SKIPPER
2. Race: WHITE
3. Usual Residence of Male (City or Town) (County) (State): 1603 Westminster Rd. Sebring, Highlands, FL
4A. DATE OF BIRTH: 7/22/57
4B. AGE: 28
5. NUMBER OF THIS MARRIAGE: 1
IF PREVIOUSLY MARRIED
6A. LAST MARRIAGE ENDED BY (SPECIFY DEATH, DIVORCE OR ANNULMENT):
6B. DATE LAST MARRIAGE ENDED:
7. STATE OF BIRTH (IF NOT IN U.S.A., NAME COUNTRY): Florida

FEMALE PERSONAL DATA

8. Name of Female (First) LAURIE (Middle) JO HEIMBUCH (Last)
Maiden name if different: HOADLEY
9. Race: WHITE
10. Usual Residence of Female (City or Town) (County) (State): 1603 Westminster Rd. Sebring, Highlands, FL
11A. DATE OF BIRTH: 12/17/54
11B. AGE: 31
12. NUMBER OF THIS MARRIAGE: 2
IF PREVIOUSLY MARRIED
13A. LAST MARRIAGE ENDED BY (SPECIFY DEATH, DIVORCE OR ANNULMENT): Death
13B. DATE LAST MARRIAGE ENDED: 1/31/81
14. STATE OF BIRTH (IF NOT U.S.A., NAME COUNTRY): Indiana

AFFIDAVIT OF FEMALE AND MALE

WE THE APPLICANTS NAMED IN THIS CERTIFICATE, EACH FOR HIMSELF, STATE THAT THE FOREGOING INFORMATION IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THAT NO LEGAL OBJECTION TO THE MARRIAGE NOR THE ISSUANCE OF A LICENSE TO AUTHORIZE THE SAME IS KNOWN TO US AND HEREBY APPLY FOR LICENSE TO MARRY.

15. Male (Sign full name) ▶ Jimmy Darell Skipper
19. Female (Sign full name) ▶ Laurie Jo Heimbuch
16. Subscribed and sworn to before me on: 1/31/86
17. Title: Earl Rich, Clerk of Courts
20. Subscribed and sworn to before me on: 1/31/86
21. Title: Earl Rich, Clerk of Courts
18. Signature: Tina M. Lewis, D.C.
22. Signature: Tina M. Lewis, D.C.

LICENSE TO MARRY

AUTHORIZATION AND LICENSE IS HEREBY GIVEN TO ANY PERSON DULY AUTHORIZED BY THE LAWS OF THE STATE OF FLORIDA TO PERFORM A MARRIAGE CEREMONY WITHIN THE STATE OF FLORIDA AND TO SOLEMNIZE THE MARRIAGE OF THE ABOVE NAMED PERSONS.

23. DATE LICENSE ISSUED: 1/31/86
24. EXPIRATION DATE: 3/2/86

THIS LICENSE MUST BE USED ON OR BEFORE THE ABOVE EXPIRATION DATE IN THE STATE OF FLORIDA IN ORDER TO BE RECORDED AND VALID.

LICENSE TO MARRY

25A. SIGNATURE OF PERSON ISSUING LICENSE: Earl Rich
25B. BY D.C.: tml
25C. TITLE: Clerk of Courts
26. COUNTY: Highlands

CERTIFICATE OF MARRIAGE

27. I HEREBY CERTIFY THAT THE ABOVE NAMED BRIDE AND GROOM WERE JOINED BY ME IN MARRIAGE IN ACCORDANCE WITH THE LAWS OF THE STATE OF FLORIDA.
ON February 1, 1986 (DATE) AT SEBRING (CITY OR TOWN) FLORIDA

28A. SIGNATURE OF PERSON PERFORMING CEREMONY: Doris L. Denton Runner
28B. NAME OF PERSON PERFORMING CEREMONY (TYPE OR PRINT): DORIS L. DENTON RUNNER
28C. TITLE: NOTARY PUBLIC - MY COMMISSION EXPIRES 7/26/
28D. ADDRESS: 936 N.E. LAKEVIEW - SEBRING, FL.

RECORDED

31. Date Returned: 2/3/86
32. Recorded in Book ____ Page ____
33. CLERK OF COURT: Earl Rich, by: Tina M. Lewis D.C.

29. WITNESS TO CEREMONY: Julie Colburn
30. WITNESS TO CEREMONY: Janet Maxwell

HRS Form 743, Jul 84
(Obsoletes previous editions as of 12-31-84)

This license not valid unless seal of Clerk, Circuit or County Court, appears thereon.

AUDIT CONTROL NO. 190537

I hereby certify that the within instrument was filed for record in the office of the Clerk of the Circuit Court, in and for Highlands County, Florida, the same being: Marriage Record
EARL RICH, Clerk,
By: Tina M. Lewis Deputy Clerk