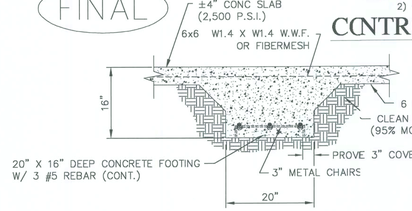
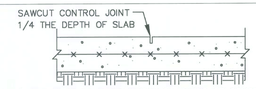
100% COMPLETE

FINAL



INTERIOR BEARING FOOTING

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

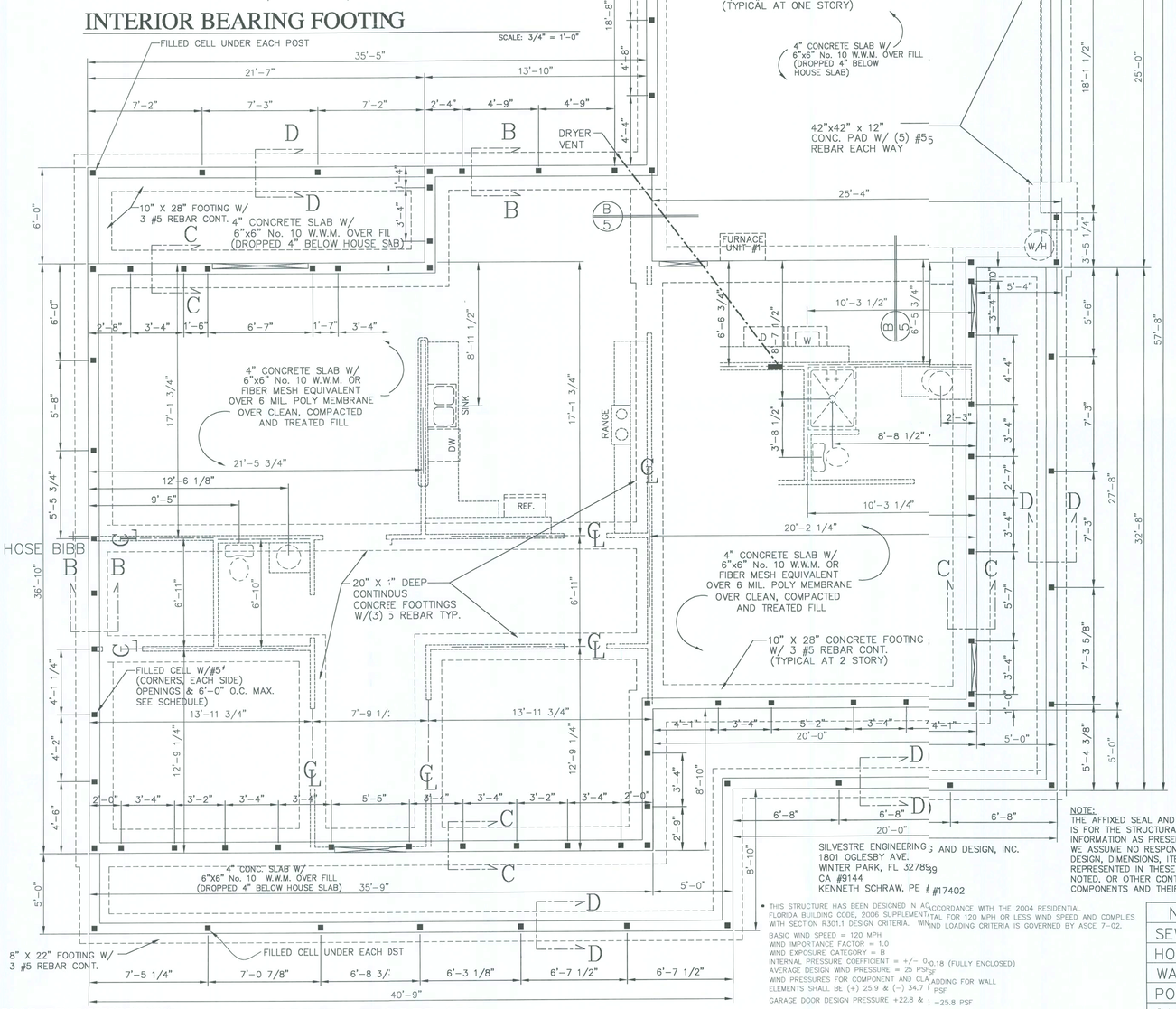


NOTES: 1) CUT MUST BE MADE WITHIN 12 HOURS OF CONCRETE PLACEMENT.
2) AREAS SHOULD NOT EXCEED 300 SQUARE FEET.

CONTROL JOINT DETAIL

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

STEM WALL HEIGHT VS. REBAR PLACEMENT	
STEM WALL HEIGHT	VERTICAL REBAR
UP TO 24"	6' O.C.
UP TO 32"	4' O.C.
UP TO 4'	3' O.C. AND FILL ALL CELLS
UP TO 6'	2' O.C. AND FILL ALL CELLS ALSO ADD 25" X 25" ANGLED REBAR FROM WALL TO SLAB



FOUNDATION PLAN

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

STANDARD C. YD. FILL _____

FOUNDATION INSPECTION NOTE

A FOUNDATION SURVEY SHALL BE PERFORMED AND A COPY OF THE SURVEY SHALL BE ON THE SITE FOR THE BUILDING INSPECTORS TO USE OR ALL PROPERTY MARKERS SHALL BE EXPOSED AND A STRING STRETCHED FROM MARKER TO MARKER TO VERIFY REQUIRED SETBACKS.

SILVESTRE ENGINEERING AND DESIGN, INC.
1801 OGLESBY AVE.
WINTER PARK, FL 32789
CA #9144
KENNETH SCHRAW, PE # #17402

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  BASIC WIND SPEED = 120 MPH
  WIND IMPORTANCE FACTOR = 1.0
  WIND EXPOSURE CATEGORY = B
  INTERNAL PRESSURE COEFFICIENT = +/- 0.18 (FULLY ENCLOSED)
  AVERAGE DESIGN WIND PRESSURE = 25 PSF
  WIND PRESSURES FOR COMPONENT AND CLADDING FOR WALL ELEMENTS SHALL BE (+) 25.9 & (-) 34.7 PSF
  GARAGE DOOR DESIGN PRESSURE +22.8 & -25.8 PSF
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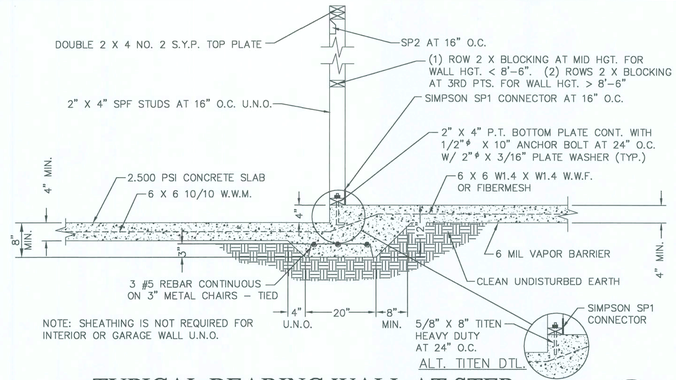
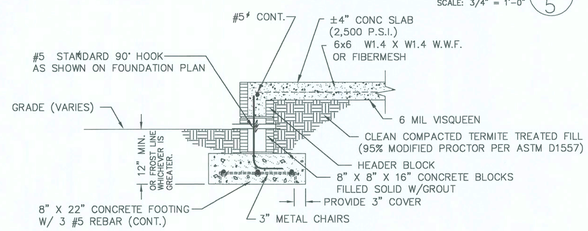
NOTE: SITE DROP	
SEWER	—
HOSE BIBB	⊣
WATER LINE	----
POWER METER	⊟
GAS LINE	I
UNDERGROUND POWER	
OVERHEAD POWER	



NOTE: SHEATHING IS NOT REQUIRED FOR INTERIOR OR GARAGE WALL U.N.O.

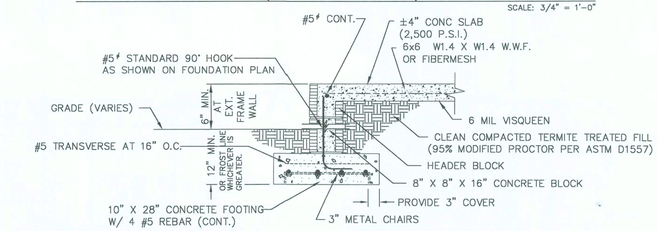
TYPICAL BEARING WALL AT STEP

SCALE: 3/4" = 1'-0" (B/5)



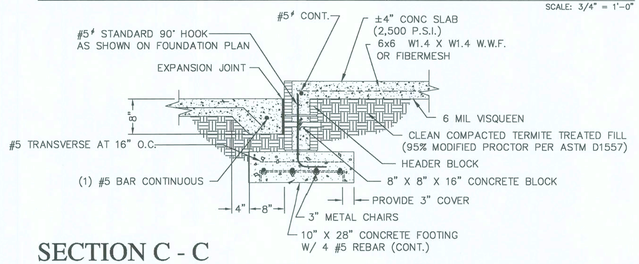
SECTION A - A (ONE STORY)

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



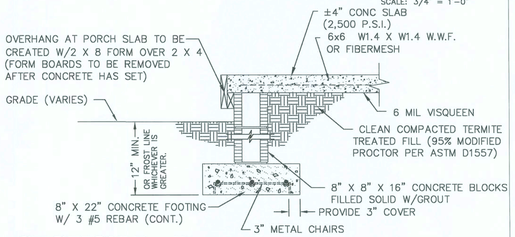
SECTION B - B (TWO STORY)

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



SECTION C - C

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



SECTION D - D

NOTE: FOOTING SIZE VARIES – SEE FOUNDATION PLAN

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

2 x 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

FOUNDATION PLAN/DETAILS

SHEET No. 5 of 15

DRAWN BY JDC
SCALE: 1/4" = 1'-0"
SOLD BY KIM RICKOLT

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. – WINTER PARK – FLORIDA – 32789
PHONE – (407) 644 5859 FAX – (407) 644 9144
CA #9144

KENNETH W. SCHRAW LICENSE No. 17402 STATE OF FLORIDA PROFESSIONAL ENGINEER

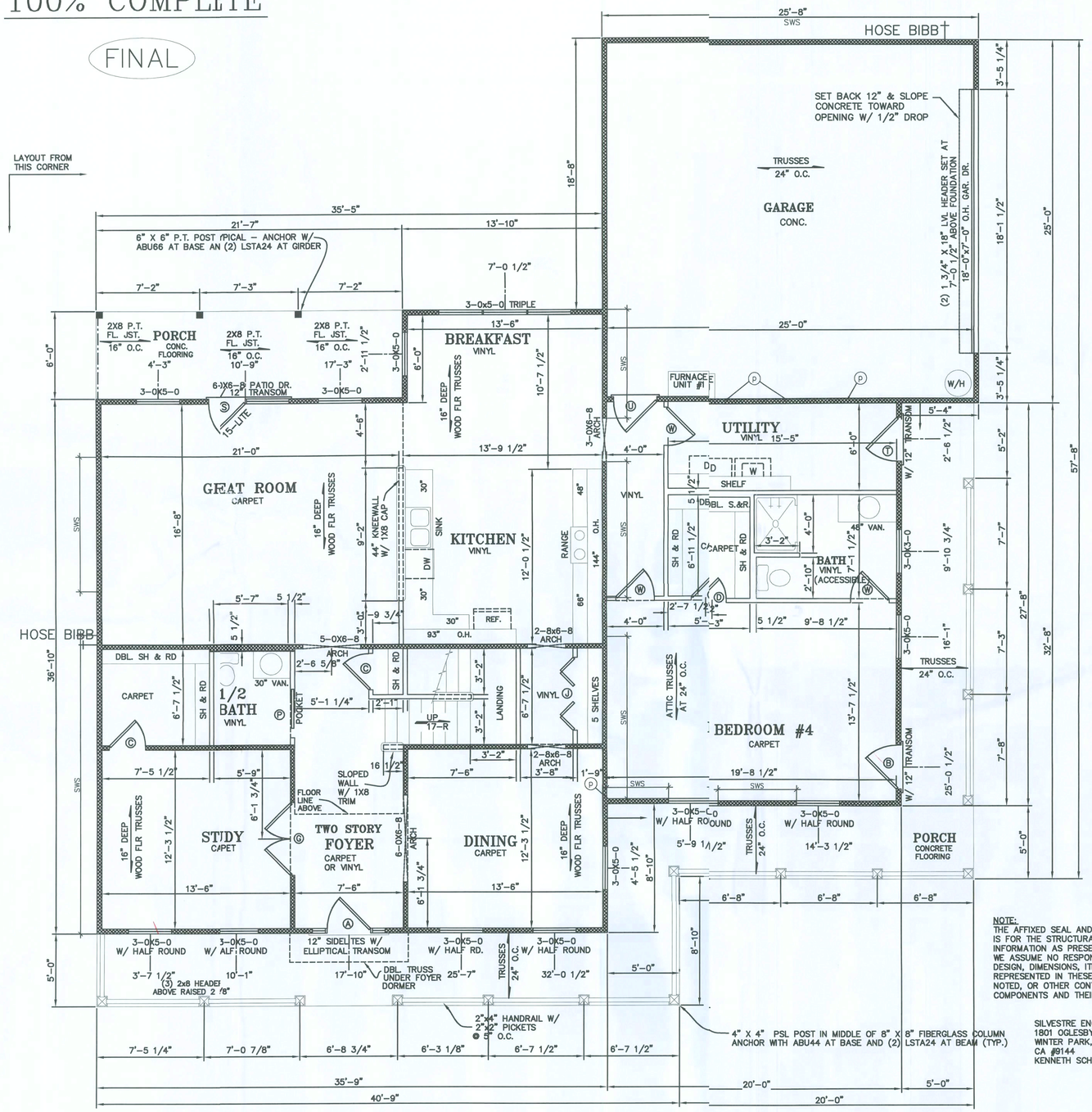
DATE 2-28-08	
REVISIONS	
FOOTING SIZES - JDC 4/30/08	
AREAS	
FIRST FLOOR	1963 S.F.
FIRST FLOOR AREA	1344 S.F.
SECOND FLOOR HEATED	74 S.F.
TOTAL HEATED	3380 S.F.
BONUS ROOM (UNFINISHED)	380 S.F.
GARAGE	633 S.F.
FRONT PORCH	468 S.F.
REAR PORCHES	279 S.F.
	ADT 2000

THE HANOVER
FOR MICHAEL & FADRA McINTOSH

PROPERTY OF AMERICA'S HOME PLACE INC.

100% COMPLETE

FINAL



NOTE: TEMPERED GLASS TO BE USED IN HAZARDOUS LOCATIONS PER FBC 2004 RESIDENTIAL CODE, SECTION R308.8.

LOWER LEVEL FLOOR PLAN

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

SYMB	DOORS	ROUGH OPENING WIDTH	ROUGH OPENING HEIGHT
A	3'-0" X 6'-8" SIX PANEL W/SIDE LITES & TRANSOM	BY MANUF.	BY MANUF.
B	3'-0" X 6'-8" 15 LITE EXTERIOR	3'- 2 3/4"	7'-10 1/2"
C	2'-6" X 6'-8" INTERIOR	2'- 8 1/2"	6'-10 1/2"
F	2'-4" X 6'-8" INTERIOR	2'- 6 1/2"	6'-10 1/2"
G	5'-0" X 6'-8" INTERIOR 15 LITE FRENCH	5'- 2 1/2"	6'-10 1/2"
H	3'-0" X 6'-8" INTERIOR BI-FOLD	3'- 2"	6'-10 1/2"
J	5'-0" X 6'-8" INTERIOR BI-FOLD	5'- 2"	6'-10 1/2"
P	2'-8" X 6'-8" INTERIOR POCKET	BY MANUF.	BY MANUF.
S	6'-0" X 6'-8" EXTERIOR PATIO 15 LITE	6'- 2 3/4"	6'-10 1/2"
T	3'-0" X 6'-8" EXTERIOR 9 LITE	3'- 2 3/4"	6'-10 1/2"
U	3'-0" X 6'-8" EXTERIOR SIX PANEL	3'- 2 3/4"	6'-10 1/2"
V	2'-8" X 6'-8" EXTERIOR SIX PANEL	2'-10 3/4"	6'-10 1/2"
W	2'-8" X 6'-8" INTERIOR	2'- 10 1/2"	6'-10 1/2"

NOTE: HEIGHT OF ROUGH OPENING IS MEASURED FROM FINISH FLOOR.

WINDOWS	ROUGH OPENING WIDTH	ROUGH OPENING HEIGHT
2040 (FRAME)	23 3/4"	47 3/4"
3050 (FRAME) - EGRESS	35 3/4"	59 3/4"
4040 (FRAME)	47 3/4"	47 3/4"
3040 (FRAME)	35 3/4"	47 3/4'
3010 (FRAME)+ROUND TOP	35 3/4"	BY MANUF.
2810 (FRAME)+ROUND TOP	31 3/4"	BY MANUF.
3050 TRIPLE (FRAME)	BY MANUF.	59 3/4"
NOTE: VERIFY ALL OPENING SIZES WITH MANUFACTURER.		
NOTE: EGRESS WINDOWS HAVE A CLEAR OPENING OF 32 1/2" W. X 25 9/16" H.		

NOTE: CLOSET SHELF HGT. OFF FLOOR= 65" (SGL.) 42" & 84" (DBL.)

NOTE: 9'-1 1/8" HIGH CEILING ON 1st FLOOR

FRAMING INSPECTION

- ALL PLUMBING, ELECTRICAL, AND MECHANICAL ROUGH-INS MUST BE COMPLETED, INSPECTED, AND APPROVED BEFORE REQUESTING THE FRAMING INSPECTION (PER FBC 105.6).

INDICATES INTERIOR / EXTERIOR FRAME BEARING WALL

(P) - DENOTES APPROX. POST LOCATION - REF. TRUSS ENG. FOR EXACT SIZE AND LOCATION

SWS - SHEARWALL SEGMENT - REF. STRUCTURAL DETAILS

NOTE: SITE DROP	
SEWER	—
HOSE BIBB	-+-
WATER LINE	----
POWER METER	
GAS LINE	I
UNDERGROUND POWER	
OVERHEAD POWER	

NOTE:
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1801 OGLESBY AVE.
WINTER PARK, FL 32789
CA #9144
KENNETH SCHRAW, PE #17402

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BASIC WIND SPEED = 120 MPH
WIND IMPORTANCE FACTOR = 1.0
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AVERAGE DESIGN WIND PRESSURE = 25 PSF
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GARAGE DOOR DESIGN PRESSURE +22.8 & -25.8 PSF

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KENNETH W SCHRAW LICENSE No. 17402 APR 04 2008 STATE OF FLORIDA PROFESSIONAL ENGINEER

2 x 4 EXTERIOR WALLS UNLESS OTHERWISE NOTED

LOWER LEVEL FLOOR PLAN

SHEET No. 1 OF 15

SCALE: 1/4" = 1'-0"
DRAWN BY JDC
SOLD BY KIM RICKOLT

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. - WINTER PARK - FLORIDA - 32789
PHONE - (407) 644 5859 FAX - (407) 647 5758
CA #9144

AREAS	
FIRST FLOOR	1962 S.F.
SECOND FLOOR AREA	1344 S.F.
SECOND FLOOR HEATED	74 S.F.
TOTAL HEATED	3380 S.F.
BONUS ROOM (UNFINISHED)	380 S.F.
GARAGE	632 S.F.
FRONT PORCH	484 S.F.
REAR PORCHES	275 S.F.

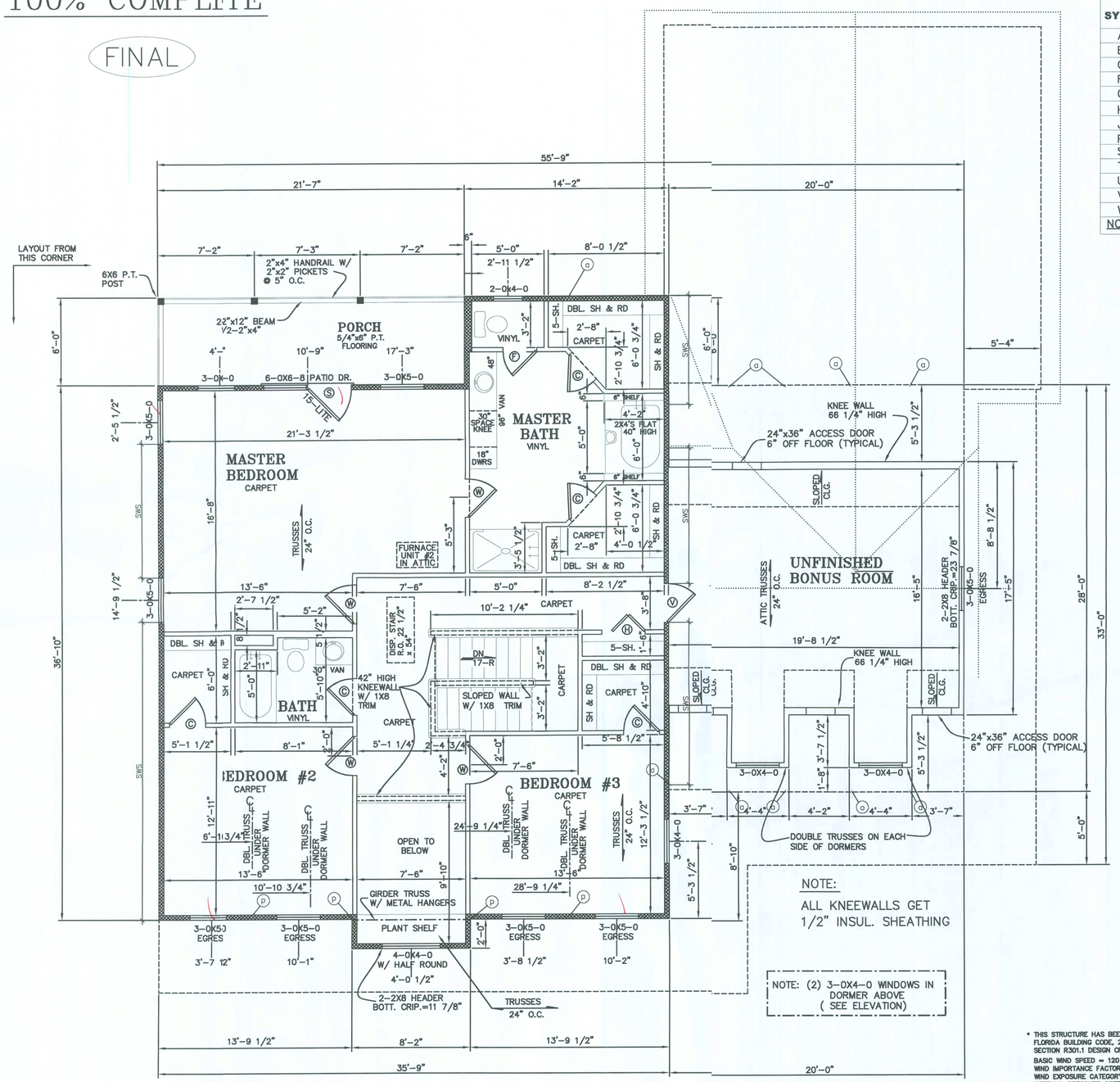
DATE 2-29-08
REVISIONS

ADT 2000

THE HANOVER
PROPERTY OF AMERICA'S HOME PLACE INC. FOR MICHAEL & FADRA McINTOSH

100% COMPLETE

FINAL



NOTE:
ALL KNEEWALLS GET 1/2" INSUL. SHEATHING

NOTE: (2) 3-0X4-0 WINDOWS IN DORMER ABOVE (SEE ELEVATION)

NOTE: 8'-1 1/8" HIGH CEILING

NOTE: CLOSET SHELF HGT. OFF FLOOR= 65" (SGL.) 42" & 84" (DBL.)

SYMB	DOORS	ROUGH OPENING WIDTH	ROUGH OPENING HEIGHT
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FRAMING INSPECTION

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NOTE: SITE DROP	
SEWER	—
HOSE BIBB	⊣
WATER LINE	----
POWER METER	
GAS LINE	I
UNDERGROUND POWER	
OVERHEAD POWER	

KENNETH W SCHRAW
LICENSE
No. 17402
APR 04 2006
STATE OF FLORIDA
PROFESSIONAL ENGINEER

UPPER LEVEL FLOOR PLAN

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

2 x 4 EXTERIOR WALLS UNLESS OTHERWISE NOTED

UPPER LEVEL FLOOR PLAN

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

SHEET No. 2 OF 15

DRAWN BY JDC

SOLD BY KIM RICKOLT

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1801 OGLESBY AVE. – WINTER PARK – FLORIDA – 32789
PHONE – (407) 644 5859 FAX – (407) 647 5758
CA #9144

DATE	REVISIONS
2-28-06	

ADT 2000

AREAS	
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BONUS ROOM (UNFINISHED)	380 S.F.
VAULTED FRONT PORCH	488 S.F.
REAR PORCHES	275 S.F.

THE HANOVER

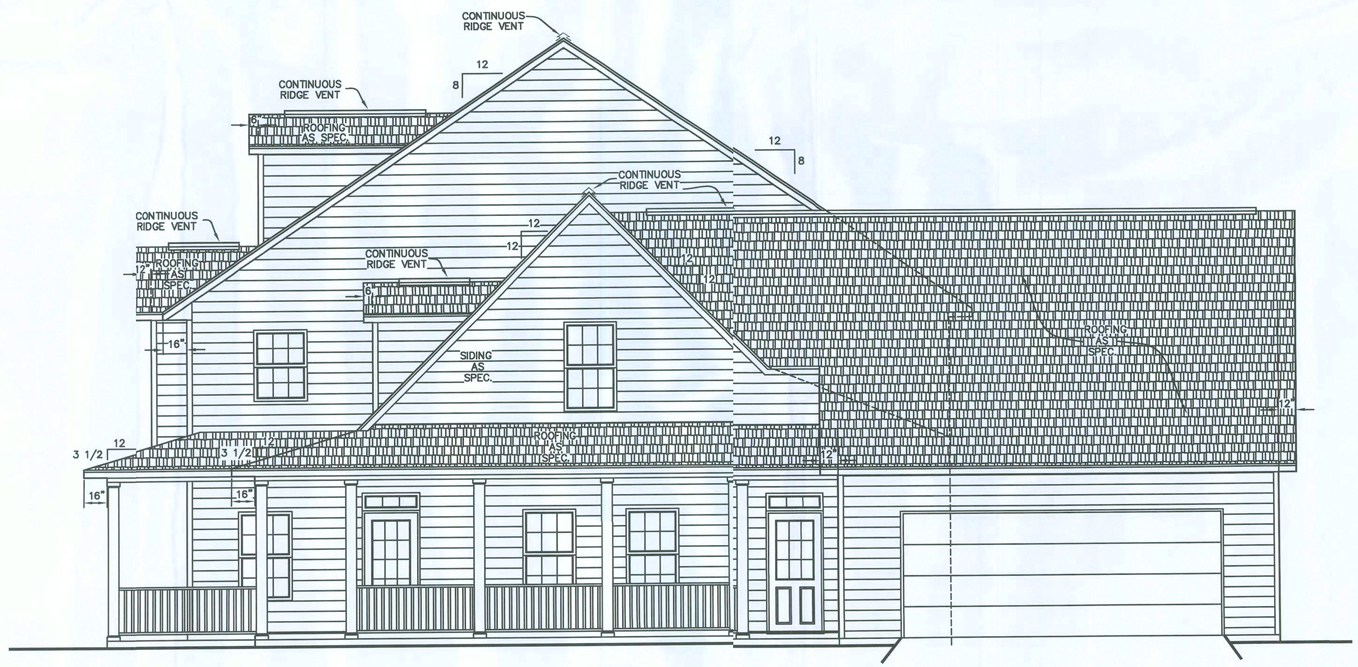
FOR MICHAEL & FADRA McINTOSH

PROPERTY OF AMERICA'S HOME PLACE INC.

100% COMFLETE

FINAL

FRONT ELEVATION



RIGHT SIDE ELEVATION

ELEVATIONS

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

8/12 ROOF TRUSS
O.W.H.= 6"
12/12 ROOF TRUSS
O.W.H.= 20 5/8"
PORCH BEAM RAISED = 2 5/8"

NOTE:
GRADE LINE SHOWN ON PLANS IN NO WAY REFLECTS FINAL GRADE

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KENNETH W. SCHRAW LICENSE No. 17402 APR 04 2006 STATE OF FLORIDA PROFESSIONAL ENGINEER

2 x 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

SHEET No. 3 OF 15

ELEVATIONS

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

DRAWN BY JDC
SOLD BY KIM RICKOLT

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. - WINTER PARK - FLORIDA - 32789
PHONE - (407) 644 5859 FAX - (407) 647 5758
CA #9144

DATE 2-28-06
REVISIONS

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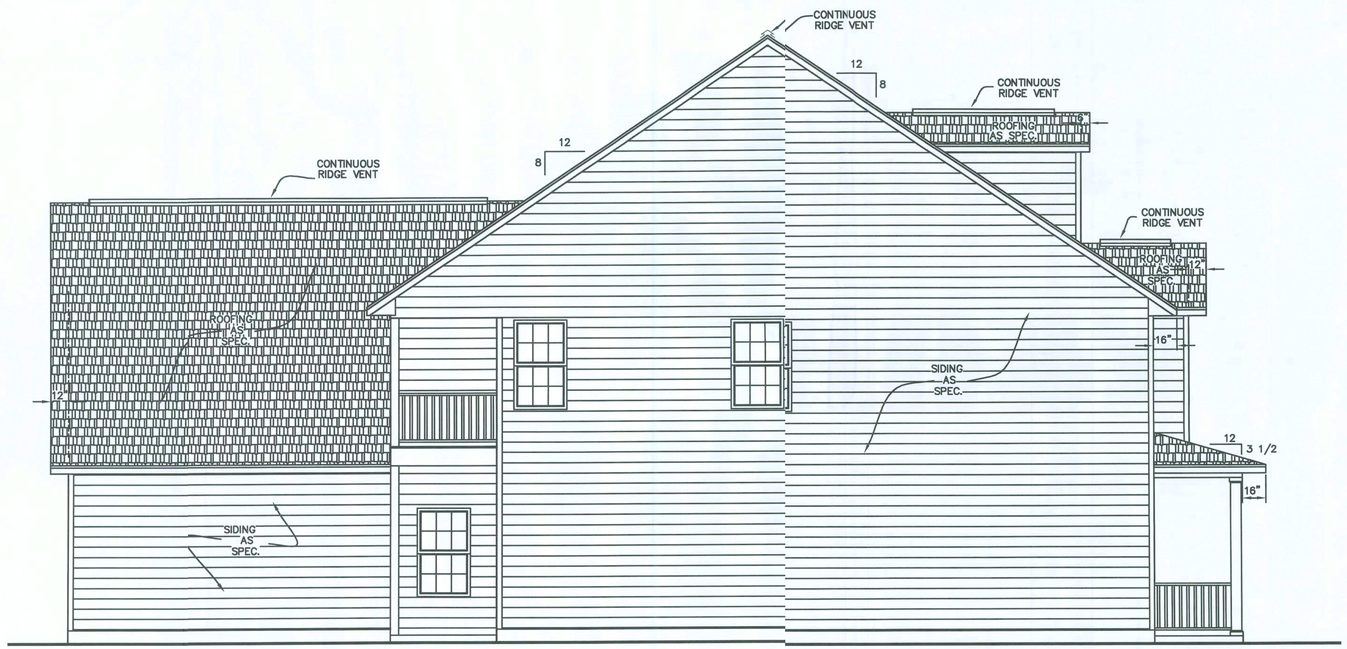
REAR PORCHES	275 S.F.

THE HANOVER
PROPERTY OF
AMERICA'S HOME PLACE INC. for MICHAEL & FADRA McINTOSH

100% COMPLETE

FINAL

REAR ELEVATION



LEFT SIDE ELEVATION

ELEVATIONS

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

8/12 ROOF TRUSS
O.W.H.= 6"
12/12 ROOF TRUSS
O.W.H.= 20 5/8"
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WIND PRESSURES FOR COMPONENT AND CLADDING FOR WALL ELEMENTS SHALL BE (+) 25.9 & (-) 34.7 PSF
GARAGE DOOR DESIGN PRESSURE +22.8 & -25.8 PSF

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* THIS DRAWING IS VALID FOR 12 MONTHS AFTER THE DATE OF THE SIGNATURE.

KENNETH W. SCHRAW
LICENSE
No. 17402
APR 04 2008
STATE OF FLORIDA
PROFESSIONAL ENGINEER

2 x 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

SHEET No. 4 OF 15

ELEVATIONS

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

DRAWN BY JDC

SOLD BY KIM RICKOLT

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. - WINTER PARK - FLORIDA - 32789
PHONE - (407) 644 5859 FAX - (407) 647 5758
CA #9144

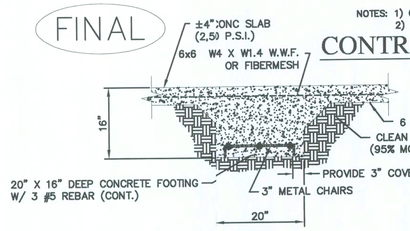
AREAS	
FIRST FLOOR	1962 S.F.
SECOND FLOOR AREA	1344 S.F.
SECOND FLOOR HEATED	74 S.F.
TOTAL HEATED	3380 S.F.
BONUS ROOM (UNFINISHED)	380 S.F.
GARAGE	433 S.F.
FRONT PORCH	48 S.F.
REAR PORCHES	275 S.F.

DATE 2-28-08
REVISIONS

THE HANOVER
PROPERTY OF MICHAEL & FADRA McINTOSH
AMERICA'S HOME PLACE INC. FOR

100% COMPLETE

FINAL



INTERIOR BEARNG FOOTING

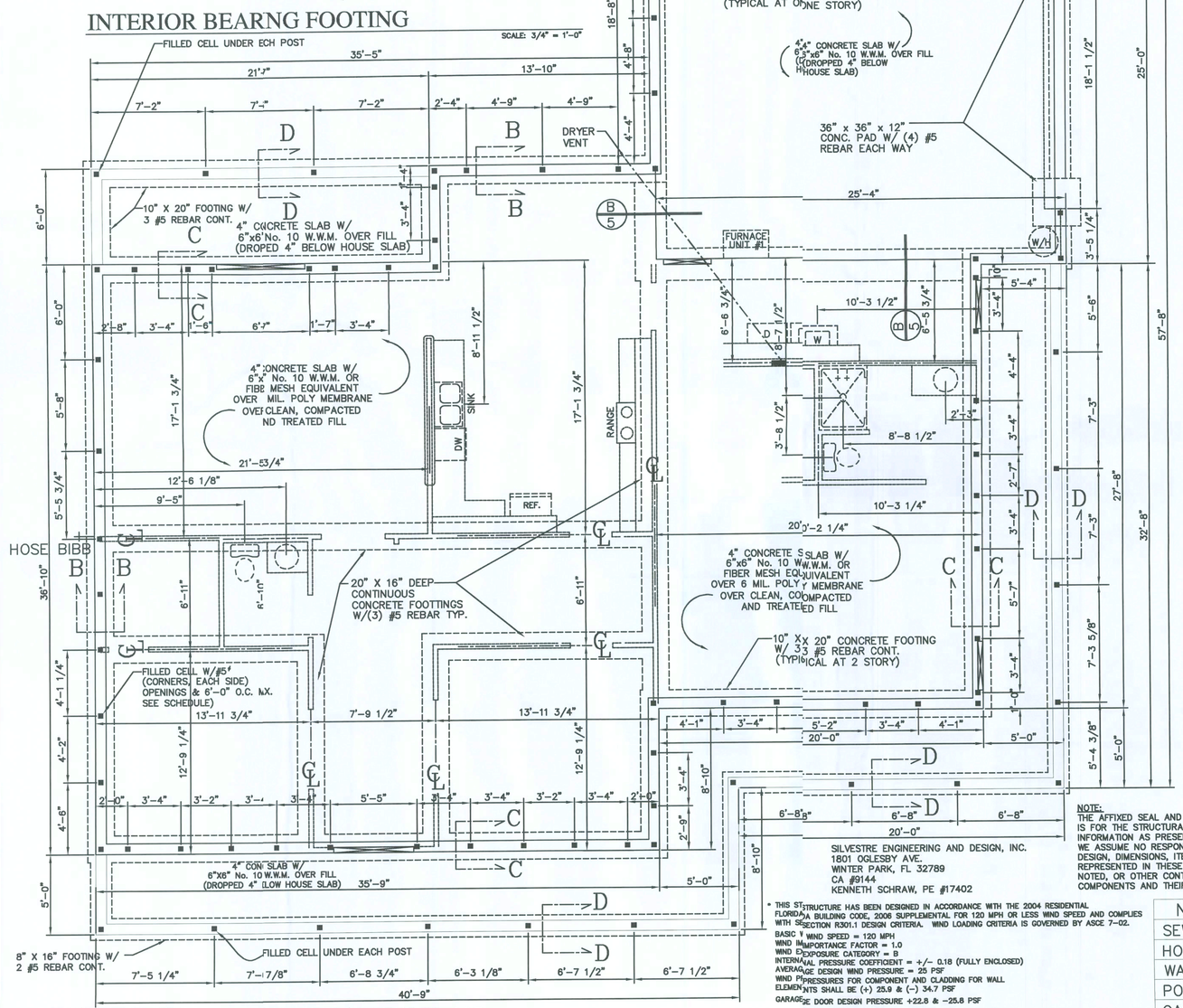
SCALE: 3/4" = 1'-0"

NOTES: 1) CUT MUST BE MADE WITHIN 12 HOURS OF CONCRETE PLACEMENT.
2) AREAS SHOULD NOT EXCEED 300 SQUARE FEET.

CONTROL JOINT DETAIL

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

STEM WALL HEIGHT VS. REBAR PLACEMENT	
STEM WALL HEIGHT	VERTICAL REBAR
UP TO 24"	6' O.C.
UP TO 32"	4' O.C.
UP TO 4'	3' O.C. AND FILL ALL CELLS
UP TO 6'	2' O.C. AND FILL ALL CELLS ALSO ADD 25" X 25" ANGLED REBAR FROM WALL TO SLAB



FOUNDATION PLAN

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

STANDARD CU. YD. FILL _____

FOUNDATION INSPECTION NOTE

A FOUNDATION SURVEY SHALL BE PERFORMED AND A COPY OF THE SURVEY SHALL BE ON THE SITE FOR THE BUILDING INSPECTORS TO USE OR ALL PROPERTY MARKERS SHALL BE EXPOSED AND A STRING STRETCHED FROM MARKER TO MARKER TO VERIFY REQUIRED SETBACKS.

SILVESTRE ENGINEERING AND DESIGN, INC.
1801 OGLESBY AVE.
WINTER PARK, FL 32789
CA #9144
KENNETH SCHRAW, PE #17402

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BASIC WIND SPEED = 120 MPH
WIND IMPORTANCE FACTOR = 1.0
WIND EXPOSURE CATEGORY = B
INTERNAL PRESSURE COEFFICIENT = +/- 0.18 (FULLY ENCLOSED)
AVERAGE DESIGN WIND PRESSURE = 25 PSF
WIND PRESSURES FOR COMPONENT AND CLADDING FOR WALL ELEMENTS SHALL BE (+) 25.9 & (-) 34.7 PSF
GARAGE DOOR DESIGN PRESSURE +22.8 & -25.8 PSF

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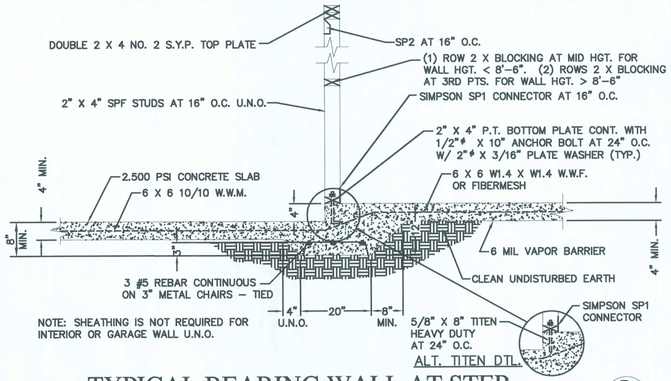
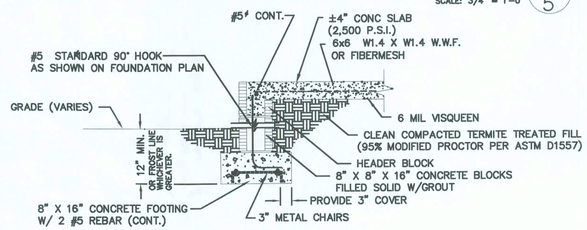
NOTE: SITE DROP	
SEWER	—
HOSE BIBB	⊣
WATER LINE	----
POWER METER	
GAS LINE	I
UNDERGROUND POWER	
OVERHEAD POWER	



NOTE: SHEATHING IS NOT REQUIRED FOR INTERIOR OR GARAGE WALL U.N.O.

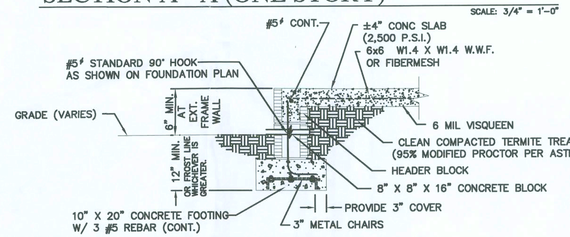
TYPICAL BEARING WALL AT STEP

SCALE: 3/4" = 1'-0" (B/5)



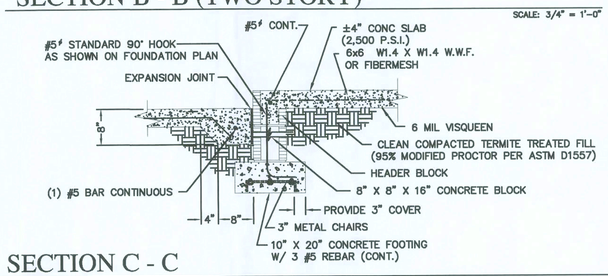
SECTION A - A (ONE STORY)

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



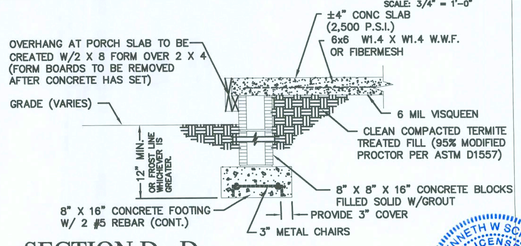
SECTION B - B (TWO STORY)

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



SECTION C - C

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



SECTION D - D

NOTE: FOOTING SIZE VARIES – SEE FOUNDATION PLAN

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

KENNETH W SCHRAW LICENSE No. 17402 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 01 2008

2 x 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

FOUNDATION PLAN/DETAILS

SHEET No. 5 of 15

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

DRAWN BY JDC
SOLD BY KIM RICKOLT

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. – WINTER PARK – FLORIDA – 32789
PHONE (407) 671-4766 FAX (407) 677-8746
CA #9144

DATE	REVISIONS
2-28-08	

AREAS	
FIRST FLOOR	1962 S.F.
SECOND FLOOR AREA	1344 S.F.
SECOND FLOOR HEATED	74 S.F.
TOTAL HEATED	3380 S.F.
TOTAL UNHEATED (UNDERROOF)	380 S.F.
GARAGE	633 S.F.
FRONT PORCH	468 S.F.
REAR PORCHES	275 S.F.

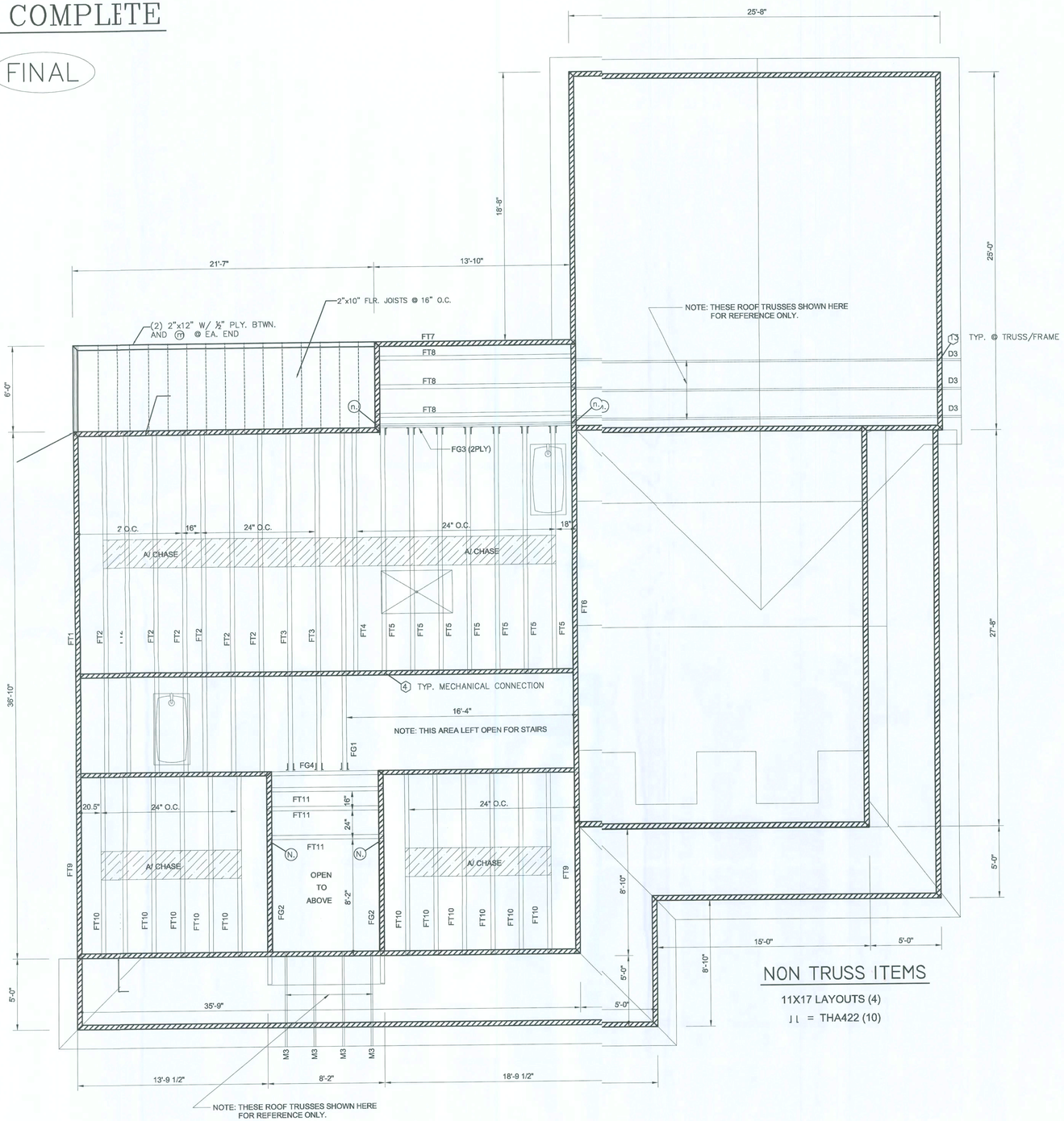
ADT 2000

THE HANOVER
FOR MICHAEL & FADRA McINTOSH

PROPERTY OF AMERICA'S HOME PLACE INC.

100% COMPLETE

FINAL



FLOOR TRUSS PLAN

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

NOTES:

1.) ⬡/○ REF. ATTACHED CONNECTOR SCHEDULE.
2.) UNLESS OTHERWISE NOTED – ALL INTERIOR BEARING HEADERS TO BE (2) 2" X 12" WITH 1/2" PLYWOOD BETWEEN AND (b) AT EACH END
3.) ALL STRUCTURAL FRAMING TO BE MINIMUM NO. 2 SOUTHERN YELLOW PINE.
4.) TRUSS/TRUSS CONNECTOR PER TRUSS MANUFACTURER.
5.) IF ANY STRUCTURAL CONDITION SHOULD OCCUR IN THE FIELD THAT IS NOT NOTED ON THESE DRAWINGS, CONTRACTOR MUST NOTIFY ENGINEER OF RECORD IN WRITING IMMEDIATELY AND PRIOR TO ANY FURTHER CONSTRUCTION COMMENCING IN AFFECTED AREA(S).

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TRUSS FRAMING NOTES

1. ALL CONNECTIONS PER SOMPSON CATALOG (LATEST EDITION). CONTACT ENGINEER FOR ALTERNATE CONNECTIONS.

2. PRE-ENGINEERED WOOD TRUSSES SPACED AT 24" O/C TYPICAL, UNLESS OTHERWISE NOTED.

3. SEE FLOOR PLAN AND ELEVATIONS FOR ADDITIONAL ROOF INFORMATION.

TRUSS ENGINEERING AND LAYOUTS SHOWN HERE WERE PRODUCED BY:

UNIVERSAL FOREST PRODUCTS
ON: 03 / 21 / 2008

SILVESTRE ENGINEERING AND DESIGN, INC.
1801 OGLESBY AVE.
WINTER PARK, FL 32789
CA #9144
KENNETH SCHRAW, PE #17402

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NON TRUSS ITEMS

11X17 LAYOUTS (4)

⊥⊥ = THA422 (10)

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  INTERNAL PRESSURE COEFFICIENT = +/- 0.18 (FULLY ENCLOSED)
  AVERAGE DESIGN WIND PRESSURE = 25 PSF
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KENNETH W SCHRAW LICENSE No. 17402 APR 04 2008 STATE OF FLORIDA PROFESSIONAL ENGINEER

2 x 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

FLOOR TRUSS PLAN/NOTES

SHEET No. 6

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

DRAWN BY JDC

SOLD BY KIM RICKOLT

15

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. – WINTER PARK – FLORIDA – 32789
PHONE (407) 644-0000 FAX (407) 647-9388
CA #9144

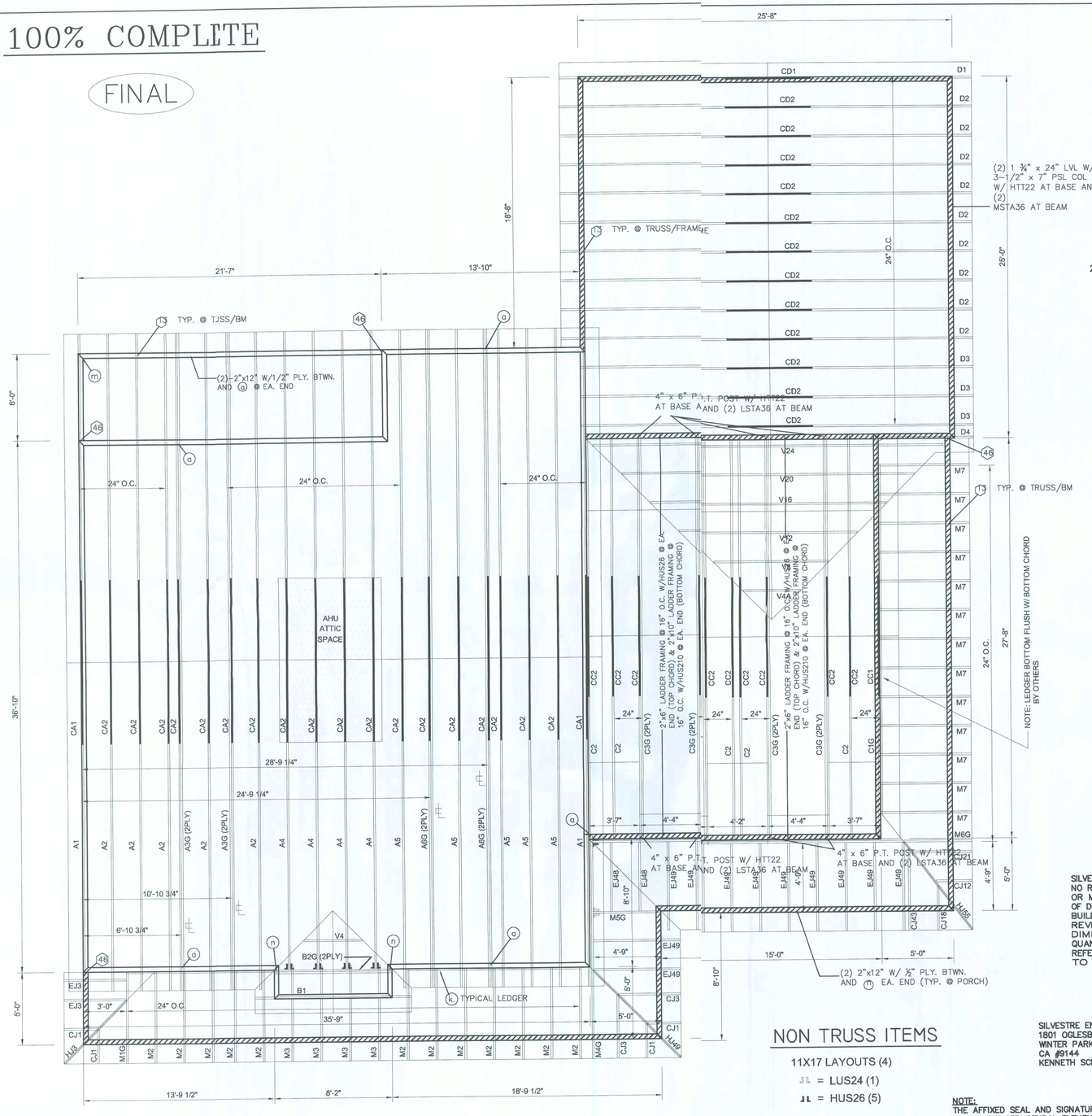
AREAS	
FIRST FLOOR	1962 S.F.
SECOND FLOOR AREA	1344 S.F.
SECOND FLOOR HEATED	74 S.F.
TOTAL HEATED	3360 S.F.
BALCONIES, PORCH (UNFINISHED)	390 S.F.
GARAGE	633 S.F.
FRONT PORCH	468 S.F.
REAR PORCHES	275 S.F.

DATE 2-28-08
REVISIONS

THE HANOVER
PROPERTY OF
AMERICA'S HOME PLACE INC. FOR MICHAEL & FADRA McINTOSH

100% COMPLITE

FINAL

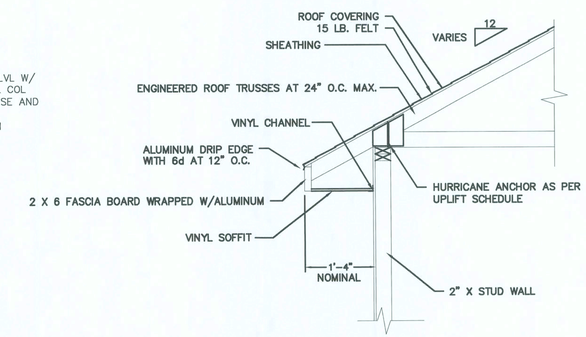


NOTE: A. BEAMS BY OTHERS.

NOTE: ALL DOMERS TO BE CONV. FRAMED BY OTHERS PER PLANS.

ROOF TRUSS PLAN

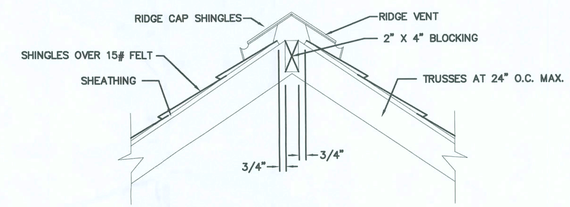
SCALE: 1/4" = 1'-0"



BOXED EAVES DETAIL

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

* MITERED CUTS TO BE MADE AT ALL JOINTS OF FASCIA.
* REFER TO DETAIL B/12 FOR STRUCTURAL INFORMATION.



RIDGE VENT DETAIL

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

NOTE: 3/4" CUT OUT ON BOTH SIDES OF RIDGE. CUT OUTS SHOULD STOP 12" FROM END OF RIDGE VENT ON EACH END.

NOTES:

1.) ⬡/○ REF. ATTACHED CONNECTOR SCHEDULE.
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4.) TRUSS/TRUSS CONNECTOR PER TRUSS MANUFACTURER.
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TRUSS FRAMING NOTES

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UNIVERSAL FOREST PRODUCTS
ON: 03 / 21 / 2008

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NON TRUSS ITEMS

11X17 LAYOUTS (4)

LUS24 (1)

HUS26 (5)

SILVESTRE ENGINEERING AND DESIGN, INC.
1801 OGLESBY AVE.
WINTER PARK, FL 32789
CA #9144
KENNETH SCHRAW, PE #17402

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KENNETH W SCHRAW LICENSE No. 17402 STATE OF FLORIDA PROFESSIONAL ENGINEER APR 01 2008

2 x 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

ROOF TRUSS PLAN/DETAILS

SHEET No. 7

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

DRAWN BY JDC

SOLD BY KIM RICKOLT

15

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1801 OGLESBY AVE. – WINTER PARK – FLORIDA – 32789
PHONE – (407) 644 5859 FAX – (407) 847 5758
CA #9144

DATE 2-28-08
REVISIONS

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SECOND FLOOR HEATED	74 S.F.
TOTAL HEATED	3380 S.F.
BONUS ROOM (UNFINISHED)	380 S.F.
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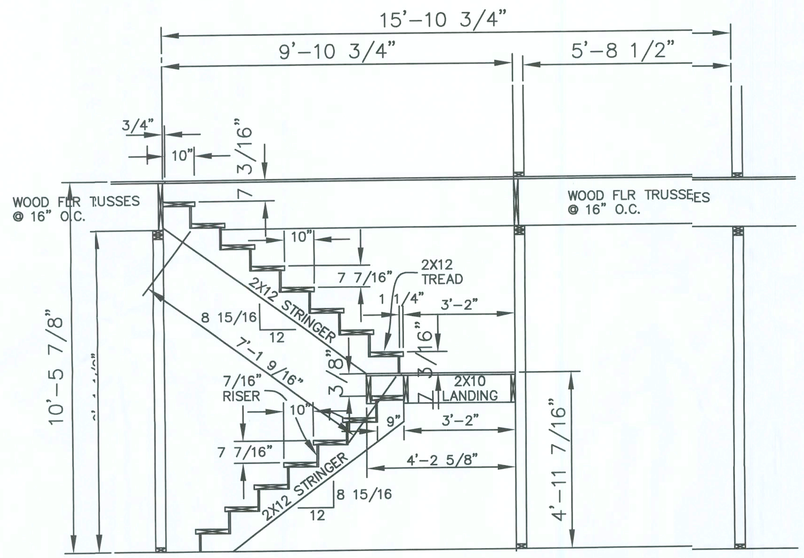
THE HANOVER

PROPERTY OF AMERICA'S HOME PLACE INC. FOR MICHAEL & FADRA McINTOSH

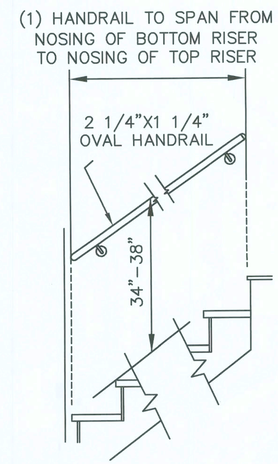
100% COMPLETE

FINAL



STAIR FRAMING DETAIL

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



STAIR HANDRAIL LOCATION DETAIL

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

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WINTER PARK, FL 32789
CA #9144
KENNETH SCHRAW, PE #17402

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  AVERAGE DESIGN WIND PRESSURE = 25 PSF
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KENNETH W. SCHRAW LICENSE No 17402 APR 04 2008 STATE OF FLORIDA PROFESSIONAL ENGINEER

THE HANOVER
PROPERTY OF
AMERICA'S HOME PLACE INC. for MICHAEL & FADRA McINTOSH

AREAS
FIRST FLOOR 1962 S.F.
SECOND FLOOR AREA 1344 S.F.
SECOND FLOOR HEATED 74 S.F.
TOTAL HEATED 3380 S.F.
BONUS ROOM (UNFINISHED) 300 S.F.
GARAGE 633 S.F.
FRONT PORCH 486 S.F.
REAR PORCHES 275 S.F.

DATE: 2-28-08
REVISIONS

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. - WINTER PARK - FLORIDA - 32789
PHONE - (407) 644 5859 FAX - (407) 647 5758
CA #9144

2 x 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

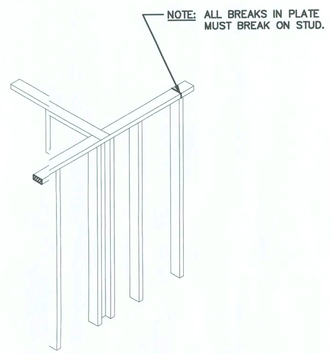
STAIR SECTION 8
SCALE: 3/4" = 1'-0"

SHEET No. 15

DRAWN BY JDC
SOLD BY KIM RICKOLT

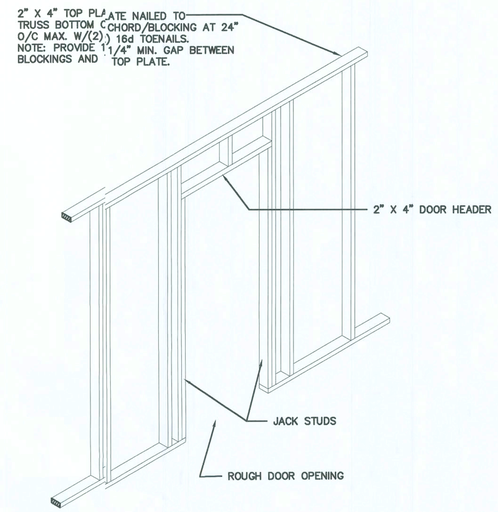
100% COMPLETE

FINAL



TYPICAL WALL TIE

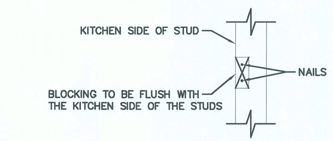
NO SCALE



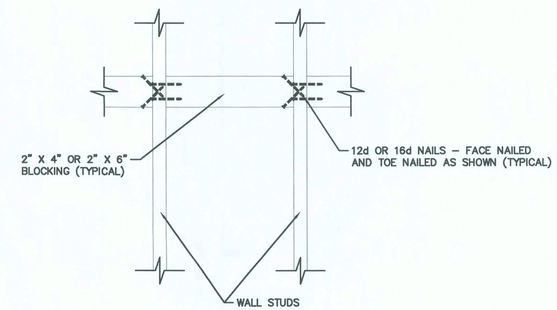
TYPICAL DOOR HEADER DETAIL

AT NON BEARING WALL.

NO SCALE



SIDE VIEW

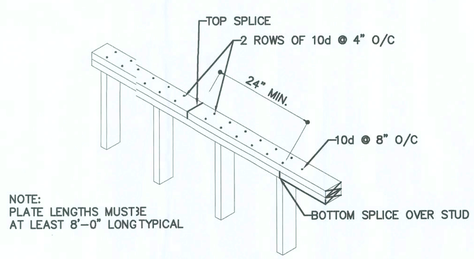


FRONT VIEW

NOTE: CABINET BLOCKING WILL BE OF 2" X 4" OR 2" X 6" MATERIAL. TOP EDGE OF BLOCKING WILL BE AT 85" ABOVE THE FINISHED FLOOR. BLOCKING SHOULD BE FLUSH WITH THE KITCHEN SIDE OF THE STUDS. FASTEN WITH 12d OR 16d NAILS. INSTALL ON ALL WALLS RECEIVING UPPER CABINETS (16" OR 24" O.C. SPACING).

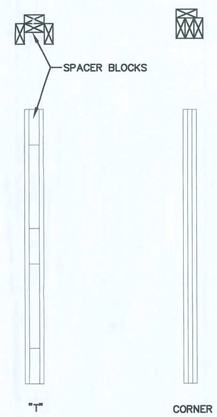
KITCHEN CABINET WALL BLOCKING DETAIL

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



TOP PLATE SPLICE DETAIL

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



TYPICAL "T" & CORNER

NO SCALE

SILVESTRE ENGINEERING AND DESIGN, INC.
1801 OGLESBY AVE.
WINTER PARK, FL 32789
CA #9144
KENNETH SCHRAW, PE #17402

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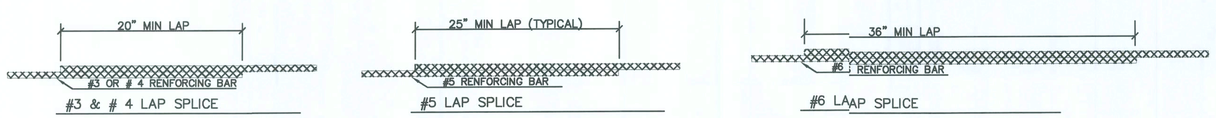
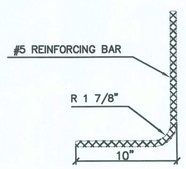


LAP SPLICE DETAILS

NO SCALE



#5 STD. 90° HOOK

NO SCALE

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  GARAGE DOOR DESIGN PRESSURE +22.8 & -25.8 PSF

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KENNETH W SCHRAW LICENSE No. 17402 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 04 2008

2 X 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

DETAILS 9

SHEET No. 15

SCALE: AS NOTED
DRAWN BY JDC
SOLD BY KIM RICKOLT

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. – WINTER PARK – FLORIDA – 32789
PHONE: – (407) 644 0259 FAX – (407) 644 5755
CA #9144

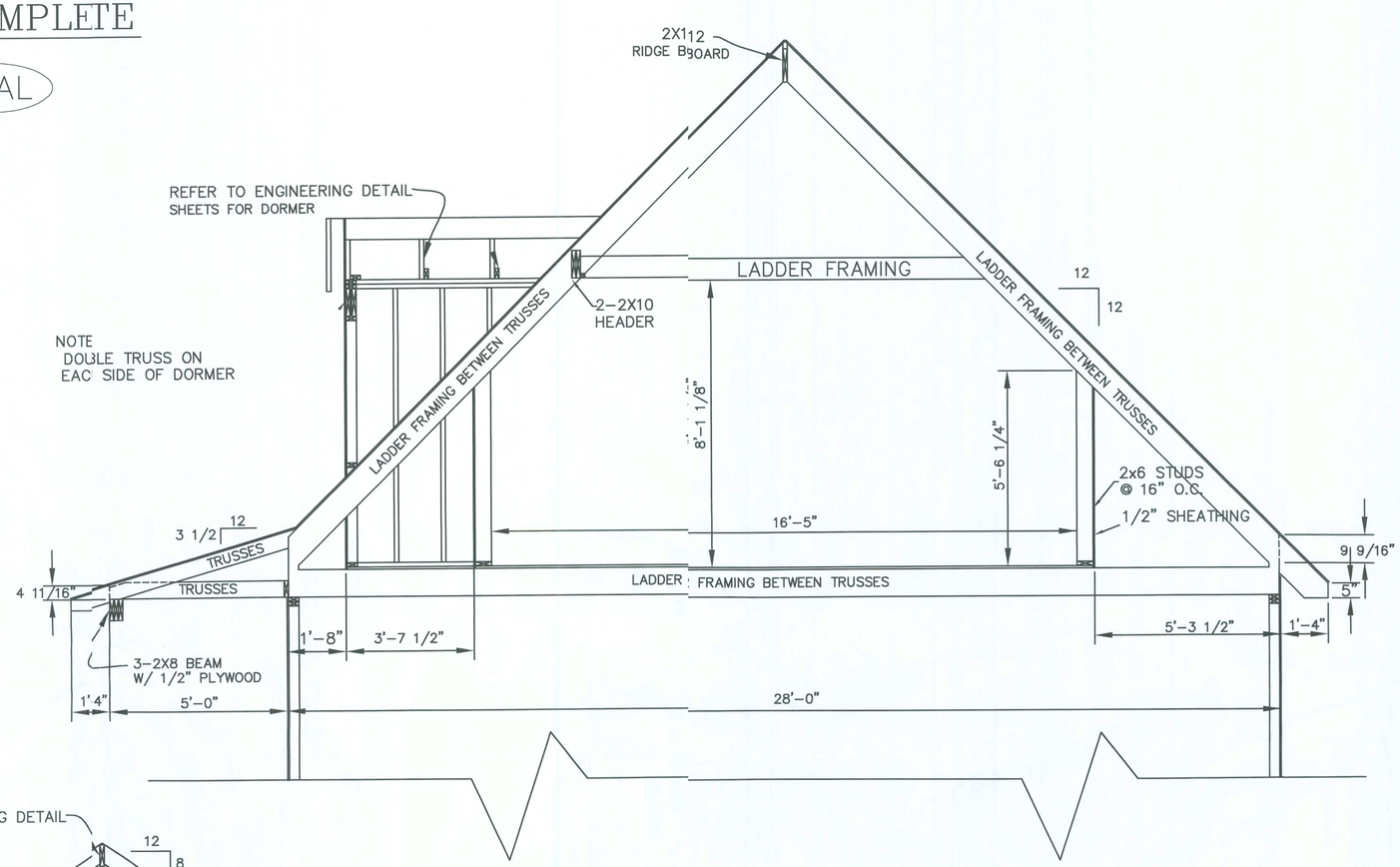
DATE	REVISIONS
2-28-08	

AREAS	
FIRST FLOOR	1962 S.F.
SECOND FLOOR AREA	1344 S.F.
SECOND FLOOR HEATED	74 S.F.
TOTAL HEATED	3380 S.F.
SECOND FLOOR (NOT HEATED)	1344 S.F.
GARAGE	633 S.F.
FRONT PORCH	486 S.F.
REAR PORCHES	275 S.F.

THE HANOVER
FOR MICHAEL & FADRA McINTOSH

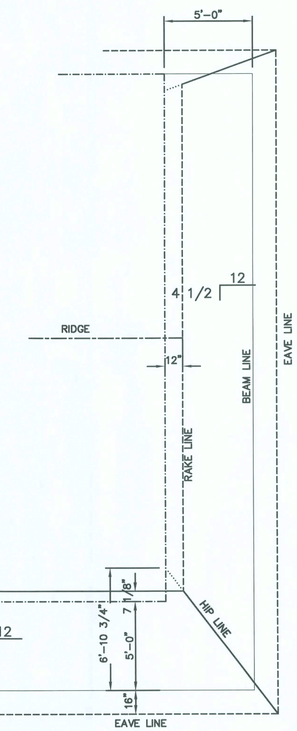
100% COMPLETE

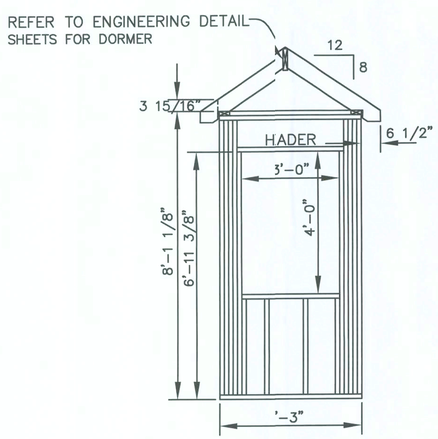
FINAL



SECTION THROUGH BONUS ROOM

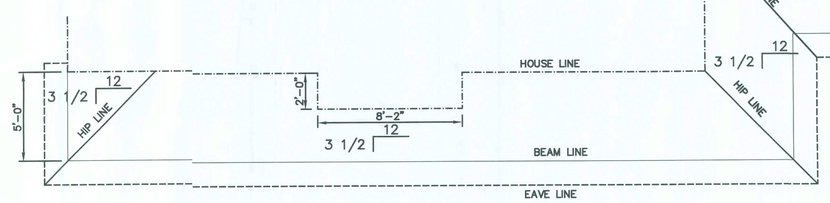
SCALE: 1/2" = 1'-0"





DORMER DETAIL

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



PORCH ROOF PLAN

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

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KENNETH W SCHRAW
LICENSE
No 17402
APR 04 2008
STATE OF FLORIDA
PROFESSIONAL ENGINEER

2 X 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

SECTION THROUGH BONUS ROOM 10

SHEET No. 15

SCALE: 1/4" = 1'-0"
DRAWN BY JDC
SOLD BY KIM RICKOLT

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DATE 2-28-08
REVISIONS

THE HANOVER
PROPERTY OF
AMERICA'S HOME PLACE INC.,
FOR MICHAEL & FADRA McINTOSH

100% COMPLETE (FINAL)

STRUCTURAL NOTES

1) CODES:
1.1 2004 FLORIDA RESIDENTIAL BUILDING CODE, AND WIND LOAD REQUIREMENTS PER SEC. R301.1.
1.2 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-02).
1.3 AMERICAN SOCIETY OF CIVIL ENGINEERS MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-02).
1.4 SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (AISC 9TH EDITION).
1.5 "DESIGN SPECIFICATION FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES" BY THE TRUSS PLATE INSTITUTE ANSI/ TPI 1-1995 EDITION.

2) DESIGN CRITERIA:
2.1 DWELLING FLOORS - 40 PSF LIVE LOAD; 15 PSF DEAD LOAD
2.2 BALCONIES - 60 PSF LIVE LOAD; 10 PSF DEAD LOAD
2.3 WALKWAYS - 80 PSF LIVE LOAD; 10 PSF DEAD LOAD
2.4 SHINGLE ROOF - 20 PSF LIVE LOAD + 17 PSF DEAD LOAD (7 PSF T/C & 10 PSF B/C); DURATION FACTOR = 1.25
TILE ROOF - 20 PSF LIVE LOAD + 25 PSF DEAD LOAD (15 PSF T/C & 10 PSF B/C); DURATION FACTOR = 1.25
2.5 WIND - 120-MPH. 3-SECOND GUST PER ASCE 7-02 FOR CATEGORY 2, ENCLOSED Bldg.
OUTSIDE WIND BORNE DEBRIS REGION. EXPOSURE "B"; PORTANCE FACTOR I = 1.00; MAX.
MEAN ROOF HEIGHT = 30 ft., INT. PRESSURE COEFF. = ±0.18.
2.6 NET UPLIFT DEAD LOADS 10 PSF SHINGLE; 15 PSF TILE.

3) SOIL:
3.1 MINIMUM ALLOWABLE SOIL PRESSURE 2000 PSF.

4) CONCRETE:
4.1 CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS: 2500 PSI (NORMAL WEIGHT).
4.2 REINFORCING BARS: ASTM A615 (GRADE 40).
4.3 WELDED WIRE FABRIC (WWF): ASTM A185.
4.4 DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI 315.
4.5 CONCRETE COVERAGE OF REINFORCEMENT: FOOTINGS" BOTTOM AND SIDES.
4.6 EARTH SUPPORTED SLABS: (INCLUDING EXTERIOR WALKAND DRIVE SLABS) 3 1/2" THICK MIN., REINFORCED WITH 6X6 - W1.4 X W1.4 WWF AT MID-DEPTH OF SLAB. FIBERMESH MAY BE USED IN LIEU OF WWF AT CONTRACTOR'S OPTION.
4.7 CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.
4.8 LAP SPLICE SHALL BE AS FOLLOWS: #5 BAR 25", #4 BAR 20", #3 BAR 15".

5) MASONRY:
5.1 DESIGN AND CONSTRUCTION SHALL CONFORM TO THE SPECIFICATION OF THE NATIONAL CONCRETE MASONRY ASSOCIATION AND ACI 530.
5.2 MINIMUM MASONRY UNIT STRENGTH: f'm 1500 PSI.
5.3 MORTAR SHALL BE TYPE S.
5.4 ALL BLOCK CELLS AND CAVITIES BELOW SLAB SHALL BE FILLED WITH CONCRETE WHEN STEM WALL IS GREATER THAN 24" TALL ABOVE GRADE.

6) WOOD:
6.1 WOOD - WITH THE EXCEPTION OF STUDS, STRUCTURAL FRAMING MEMBERS SHALL BE #2 SOUTHERN YELLOW PINE (SYP) WITH AN ALLOWABLE BENDING STRESS (Fb) = 1200PSI AND A MODULUS OF ELASTICITY = 1,600,000 PSI. WALL STUDS SHALL BE CONSTRUCTION GRADE SPRUCE PINE FIR (SPF) @ 16" ON CENTER.
6.2 DESIGN, FABRICATE AND ERECT WOOD TRUSSES IN ACCORDANCE WITH THE "DESIGN SPECIFICATION FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES" BYTHE TRUSS PLATE INSTITUTE, ANSI/ TPI 1-1995 EDITION.
6.3 ALL EXPOSED WOOD OR WOOD IN CONTACT WITH EARTH OR CONCRETE TO BE PRESSURE TREATED.
6.4 ROOF SHEATHING: (APA RATED EXPOSURE 1) 1/2" PLYWOOD OR 7/16" OSB MINIMUM SHINGLES OR TILE
6.5 UNTREATED WOOD SHALL NOT BE IN DIRECT CONTACT WITH CONCRETE. SEAT PLATES SHALL BE PROVIDED AT BEARING LOCATIONS WITHOUT WOODEN TOP PLATE.

7) FLASHING:
7.1 ASPHALT SHINGLES:
7.1.1 BASE & CAP FLASHING SHALL BE INSTALLED IN ACCRDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE 26 GAGE (0.019") GALVANED STEEL, OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 lb PER 100 Sq. Ft. CAP FLASHING SALL BE 26 GAGE (0.019") GALVANIZED STEEL.
7.1.2 VALLEY LINING SHALL BE INSTALLED IN ACCORDANCEWITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LINING OF THEFOLLOWING TYPES SHALL BE PERMITTED.
7.1.2.1 FOR OPEN VALLEYS LINED WITH METAL, THE VALLE LINING SHALL BE AT LEAST 16" WIDE 26 GAGE (0.019") GALV. STEEL. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING IS PERMITTED. THE BASE LAYER SHALL BE 24" AND THE TOP LAYER SALL BE AT LEAST 36" WIDE.
7.1.2.2 FOR CLOSED VALLEYS (COVERED WITH SHINGLES) VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
- ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 2" WIDE AND COMPLYING WITH ASTM D 224, OR
- SPECIALTY UNDERLAYMENT AT LEAST 36" WIDE AND COMPLYING WITH ASTM D 1970.

7.2 CONCRETE TILE:
7.2.1 AT THE JUNCTURE OF THE ROOF AND VERTICAL SURFACES, FLASHING AND COUNTERFLASHING SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND WHERE OF METAL, FLASHING SHALL BE 26 GAGE (0.019") GALVANIZED STEEL. THE VALLEY FLASHING SHALL EXTEND AT LEAST 11" FROM THE CENTER LINE EACH WAY AND HAVE A SPLASH DIVERTER RIB NOT LESS THAN 1" HIGH AT THE FLOW LINE FORMED AS PART OF THE FLASHING. SECTIONS OF FLASHING SHALL HAVE END LAP OF NOT LESS THAN 4". FOR ROOF SLOPES OF 3:12 AND OVER, THE VALLEY FLASHING SHALL HAVE ONE LAYER OF 36" WIDE TYPE I UNDERLAYMENT RUNNING THE FULL LENGTH OF THE VALLEY, IN ADDITION TO OTHERREQUIRED UNDERLAYMENTS. FOR SLOPES UNDER 7:12 IN AREAS WHERE THE AVG. DAILY TEMPERATURE IN JANUARY IS 25° F OR LESS, OR WHERE THERE IS A POSSIBILITY OF ICE FORMING ALONG THE EAVES CAUSING A BACKUP OF WATER, THE METAL VALLEY FLASHING UNDERLAYMENT SHALL BE SOLID CEMENTED TO THE ROOFING UNDERLAYMENT

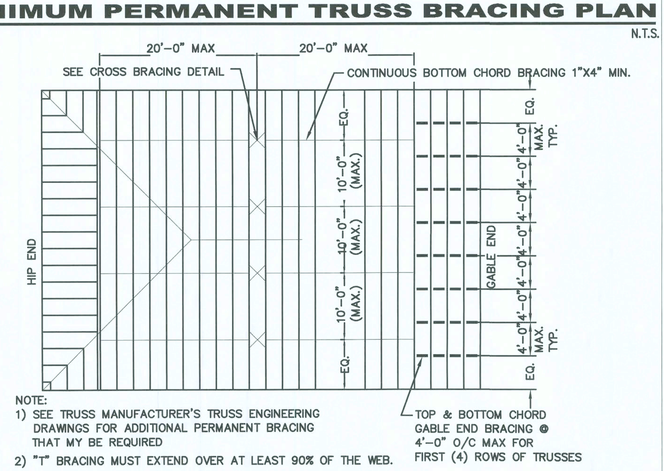
8) DOORS & WINDOWS:
8.1 ALL EXTERIOR WINDOWS AND GLASS DOORS ARE REQRED TO BE TESTED IN ACCORDANCE WITH ANSI/AMMA/NWWDA 101/IS2 STANDARD AND BEAR AN AMMA OR WDMA LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT TESTING ENTITY.
8.2 ALL EXTERIOR WINDOWS AND DOORS SHALL BE ANCHRED PER PUBLISHED MANUFACTURER'S RECOMMENDATION TO ACHIEVE THE DESIGN PRESSURE SPECIFIED BELOW.
8.3 IF BUCK THICKNESS IS LESS THAN 1.5", EXTERIOR DOORS AND WINDOWS SHALL BE ANCHORED THROUGH THE JAMB, INTO THE STRUCTURAL SUBTRATE PER THE MANUFACTURER'S SPECIFICATIONS.
8.4 IF BUCK THICKNESS IS EQUAL TO 1.5", OR GREATER, THE BUCK MUST BE ATTACHED IN A MANNER (SEE MFG. SPECS.) THAT TRANSFERS THE LOAD DIRECTLY TO THE STRUCTURE. WINDOWS AND DOORS SHALL BE ANCHORED THROUGH THE JAMB INTO THE WOOD BUCK.
8.5 MULLIONS AND ADJACENT DOOR ASSEMBLIES SHALL BE TESTED OR ENGINEERED (BY THE MFG.) TO TRANSFER 1.5 TIMES THE DESIGN LOAD TO THE ROUGH OPENING SUBSTRATE.

9) INSPECTIONS:
9.1 FOUNDATION INSPECTIONS
A FOUNDATION SURVEY SHALL BE PERFORMED AND COPY OF THE SURVEY SHALL BE ON SITE FOR THE BUILDING INSPECTOR'S USE. OR, ALL PROPERTY MARKERS SHALL BE EXPOSED AND A STRING STRETCHED FROM MARKER TO MARKER TO VERIFY REQUIRED SETBACKS.
9.2 FRAMING INSPECTIONS
ALL PLUMBING, ELECTRICAL, AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED, AND APPROVED BEFORE REQUESTING THE FRAMING INSPECTION.

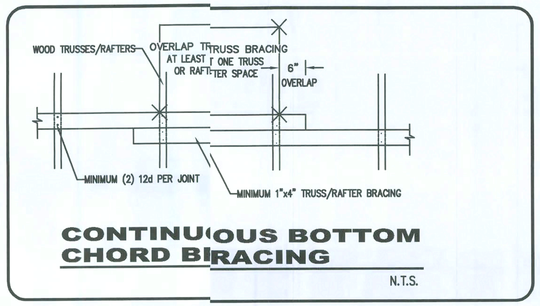
10) MICRO-LAM LUMBER:
10.1 MICRO-LAM STRESS GRADES SHALL PROVIDE THE FOLLOWING MINIMUM PROPERTIES:
E = 2,000,000 PSI
Fb = 2,800 PSI
Ft = 1,850 PSI
Fc = 500 PSI (PERPENDICULAR)
Fc = 2,700 PSI (PARALLEL)
Fv = 285 PSI

MINIMUM PERMANENT TRUSS BRACING PLAN

N.T.S.



NOTE:
1) SEE TRUSS MANUFACTURER'S TRUSS ENGINEERING DRAWINGS FOR ADDITIONAL PERMANENT BRACING THAT MY BE REQUIRED
2) "T" BRACING MUST EXTEND OVER AT LEAST 90% OF THE WEB.



CONTINUOUS BOTTOM CHORD BRACING

N.T.S.

CHEMICAL SOIL TREATMENT FOR TERMITES

1- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR RE-INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER, OR ELECTRICAL PANEL.
2- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM THE BUILDING SIDE WALLS.
3- IRRIGATION/ SPRINKLER SYSTEM INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" OF THE BUILDING SIDE WALLS.
4- TO PROVIDE FOR INSPECTION OF TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6 INCHES.
EXCEPTION - PAINT OR DECORATIVE CEMENTITIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL
5- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE.
6- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RE-TREATED INCLUDING SPACED BOXED OR FORMED.
7- BOXED AREAS IN CONCRETE FLOORS FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE & DEPTH THAT WILL ELIMINATE THE DISTRURBANCE OF SOIL AFTER THE INITIAL TREATMENT.
8- MINIMUM 6-MIL. VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED.
9- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMTER MUST BE REMOVED BEFORE EXTERIOR TREATMENT.
10- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS.
11- AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED SHALL BE RETREATED.
12- ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT.
13- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE " THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."
14- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING, OR OTHER CELLULOSE CONTAINING MATERIAL.
15- NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING.

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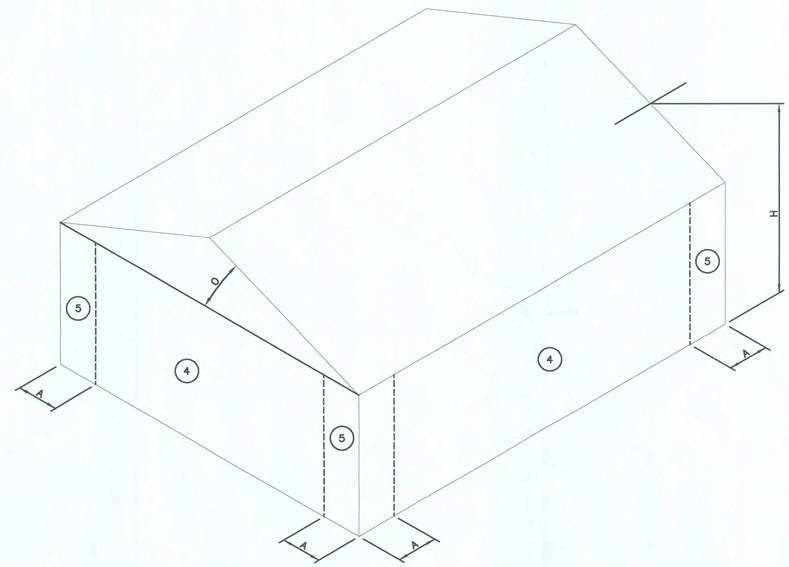
THE HANOVER
FOR MICHAEL & FADRA McINTOSH

COMPONENT & CLADDING DESIGN PRESSURE

(119.9 MPH, 3 SEC. GUST, 2.1/12 PITCH, EXPOSURE B, HEIGHT = 0 TO 30 FEET, IMPORTANCE FACTOR = 1

TRIBUTARY AREA (FT^2)	ROOF				WALL			
	(GCpi = ± .18) ZONE 1		ZONE 2 & 3		(GCpi = ± .18) ZONE 4		ZONE 5	
10	14.9	−23.7	14.9	−50.1	25.9	−28.1	25.9	−34.7
20	13.6	−23.0	13.6	−45.4	24.7	−26.9	24.7	−32.4
50	11.9	−22.2	11.9	−39.3	23.2	−25.4	23.2	−29.3
100	10.5	−21.5	10.5	−34.7	22.0	−24.2	22.0	−26.9
125	10.5	−21.5	10.5	−34.7	21.7	−23.6	21.7	−26.2

NOTES:
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 ADJUSTMENT COEFFICIENTS IN TABLE 1606,2D OF THE FLORIDA BUILDING CODE 2001.
3. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.



A:) 10 PERCENT OF LEAST HORIZONTAL DIMENSION OR 0.4H, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZONTAL DIMENSION OR 3 FT. (1M).

SILVESTRE ENGINEERING AND DESIGN, INC.
1801 OGLESBY AVE.
WINTER PARK, FL 32789
CA #9144
KENNETH SCHRAW, PE #17402

NOTE:
THE AFFIXED SEAL AND SIGNATURE OF KENNETH SCHRAW IS FOR THE STRUCTURAL ELEMENTS OF THESE DRAWINGS AND INFORMATION AS PRESENTED HEREIN.
WE ASSUME NO RESPONSIBILITY FOR ARCHITECTURAL DESIGN, DIMENSIONS, ITEMS OR CONDITIONS NOT REPRESENTED IN THESE DRAWINGS OR NOT PROPERLY NOTED, OR OTHER CONTENT OTHER THAN THE STRUCTURAL COMPONENTS AND THEIR CONNECTIONS.

- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2004 RESIDENTIAL FLORIDA BUILDING CODE, 2006 SUPPLEMENTAL FOR 120 MPH OR LESS WIND SPEED AND COMPLIES WITH SECTION R301.1 DESIGN CRITERIA. WIND LOADING CRITERIA IS GOVERNED BY ASCE 7–02.

  BASIC WIND SPEED = 120 MPH
  WIND IMPORTANCE FACTOR = 1.0
  WIND EXPOSURE CATEGORY = B
  INTERNAL PRESSURE COEFFICIENT = +/– 0.18 (FULLY ENCLOSED)
  AVERAGE DESIGN WIND PRESSURE = 25 PSF
  WIND PRESSURES FOR COMPONENT AND CLADDING FOR WALL ELEMENTS SHALL BE (+) 25.9 & (–) 34.7 PSF
  GARAGE DOOR DESIGN PRESSURE +22.8 & –25.8 PSF
- THIS DRAWING IS SEALED ONLY FOR THE STRUCTURAL PORTION OF DETAILS AND SPECIFICATIONS. NON–STRUCTURAL INFORMATION, SUCH AS ELECTRICAL, MECHANICAL, ARCHITECTURAL, AND PROPERTY SURVEY, IF SHOWN, ARE NOT COVERED UNDER THIS SEAL.
- THIS DRAWING IS VALID FOR 12 MONTHS AFTER THE DATE OF THE SIGNATURE.

KENNETH W SCHRAW LICENSE No. 17402 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 04 2008

2 x 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

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

SHEET No. 12

DRAWN BY JDC
SOLD BY KIM RICKOLT

15

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. – WINTER PARK – FLORIDA – 32789
PHONE: (407) 644-0500 FAX (407) 647-0700
CA #9144

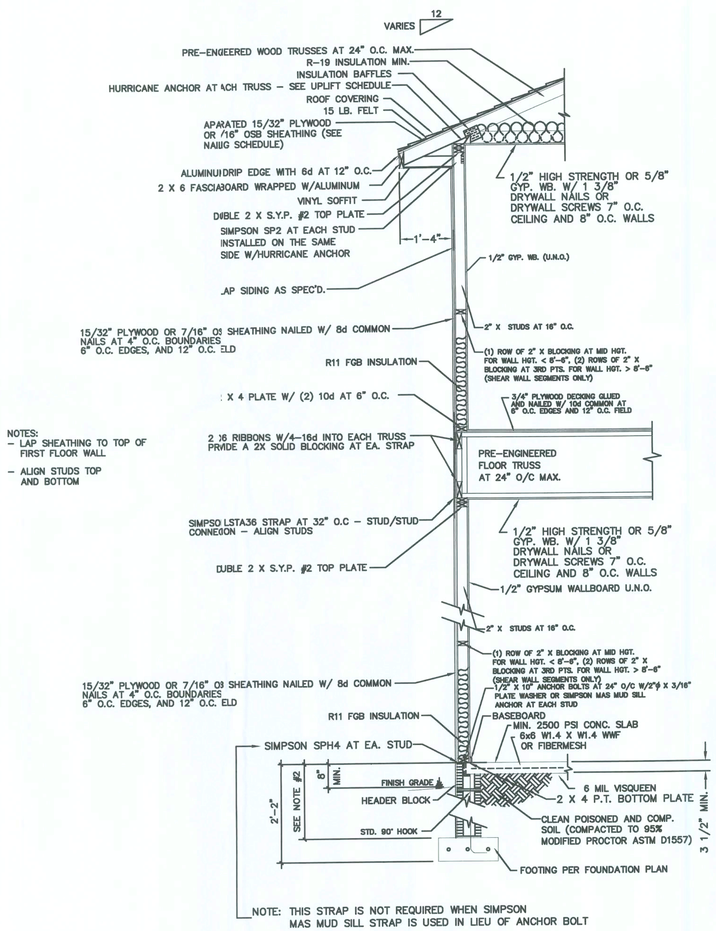
AREAS	
FIRST FLOOR	1862 S.F.
SECOND FLOOR AREA	1344 S.F.
SECOND FLOOR HEATED	174 S.F.
TOTAL HEATED	3380 S.F.
BONUS ROOM (UNFINISHED)	380 S.F.
GARAGE	633 S.F.
FRONT PORCH	468 S.F.
REAR PORCHES	279 S.F.

DATE	REVISIONS
2-28-08	

THE HANOVER
PROPERTY OF
AMERICA'S HOME PLACE INC. FOR MICHAEL & FADRA McINTOSH

100% COMPLETE

FINAL



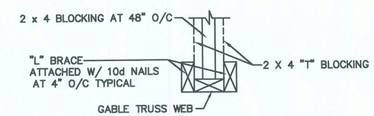
TYPICAL TWO STORY SECTION

SCALE: 1/2" = 1'-0" (B/13)

NOTES:
1. FILL ALL CELLS WHEN STEM WALL IS GREATER THAN 24" BUT LESS THAN 40".
2. FOR STEM WALLS GREATER THAN 40" HIGH CONSULT ENGINEER.

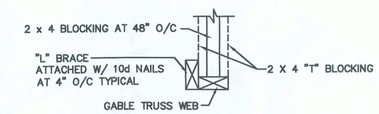
"L" BRACING REQUIREMENTS				
STUD SPACING	NO "L" BRACE	(1) 2"x4" "L" BRACE	(2) 2"x4" "L" BRACE	(2) 2"x6" "L" BRACE
16"	0'0" - 4'-5"	4'-5" - 8'-0"	8'-0" - 12'-0"	12'-0" - 16'-0"
24"	0'-0" - 4'-0"	4'-0" - 7'-0"	7'-0" - 10'-0"	10'-0" - 14'-0"

NOTE:
"L" BRACE MUST EXTEND AT LEAST 90% OF WEB LENGTH



DOUBLE "L" BRACING DETAIL

SCALE: NONE (C/12)



SINGLE "L" BRACING DETAIL

SCALE: NONE (D/12)

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SILVESTRE ENGINEERING AND DESIGN, INC.
1801 OGLESBY AVE.
WINTER PARK, FL 32789
CA #9144
KENNETH SCHRAW, PE #17402

- THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2004 RESIDENTIAL FLORIDA BUILDING CODE, FOR 120 MPH OR LESS WIND SPEED AND COMPLIES WITH SECTION R301.1 DESIGN CRITERIA. WIND LOADING CRITERIA IS GOVERNED BY ASCE 7-02.

  BASIC WIND SPEED = 120 MPH
  WIND IMPORTANCE FACTOR = 1.0
  WIND EXPOSURE CATEGORY = B
  INTERNAL PRESSURE COEFFICIENT = +/- 0.18 (FULLY ENCLOSED)
  AVERAGE DESIGN WIND PRESSURE = 25 PSF
  WIND PRESSURES FOR COMPONENT AND CLADDING FOR WALL ELEMENTS SHALL BE (+) 25.9 & (-) 34.7 PSF
  GARAGE DOOR DESIGN PRESSURE +22.8 & -25.8 PSF

- THIS DRAWING IS SEALED ONLY FOR THE STRUCTURAL PORTION OF DETAILS AND SPECIFICATIONS. NON-STRUCTURAL INFORMATION, SUCH AS ELECTRICAL, MECHANICAL, ARCHITECTURAL, AND PROPERTY SURVEY, IF SHOWN, ARE NOT COVERED UNDER THIS SEAL.

- THIS DRAWING IS VALID FOR 12 MONTHS AFTER THE DATE OF THE SIGNATURE.

KENNETH W SCHRAW LICENSE No. 17402 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 0 4 2008

2 x 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

SHEET No. 13

DETAILS

SCALE: AS NOTED
DRAWN BY JDC
SOLD BY KIM RICKOLT

15

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. - WINTER PARK - FLORIDA - 32789
PHONE - (407) 644 0029 FAX - (407) 677 0750
CA #9144

AREAS	
FIRST FLOOR	1962 S.F.
SECOND FLOOR AREA	1344 S.F.
SECOND FLOOR HEATED	74 S.F.
TOTAL HEATED	3380 S.F.
BASE TOTAL (UNTRANSLATED)	3380 S.F.
GARAGE	633 S.F.
FRONT PORCH	486 S.F.
REAR PORCHES	275 S.F.

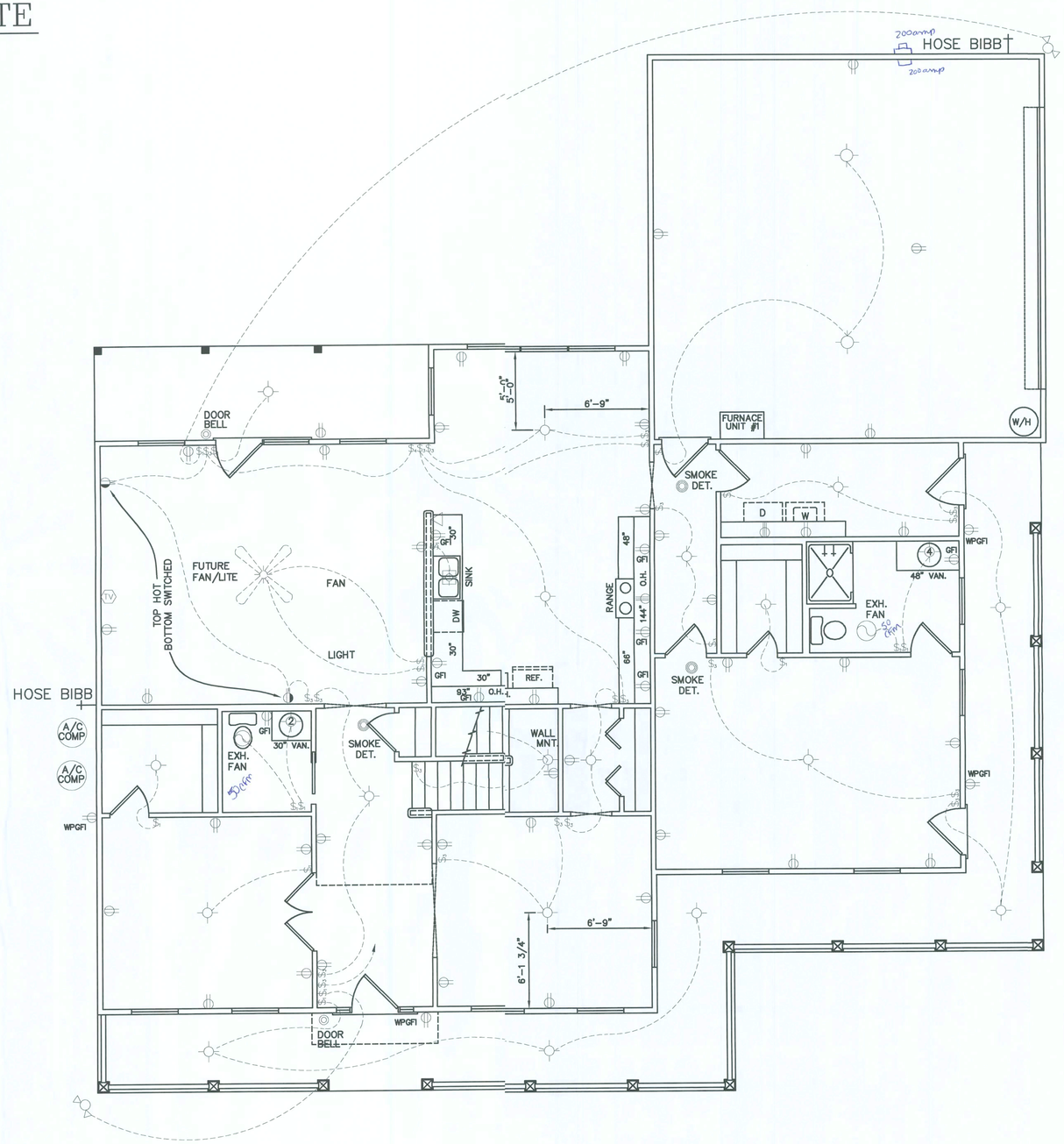
DATE 2-28-08
REVISIONS

THE HANOVER
FOR MICHAEL & FADRA McINTOSH

PROPERTY OF AMERICA'S HOME PLACE INC.

100% COMPLETE

FINAL



LOWER LEVEL ELECTRICAL PLAN

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

NOTE

SERVICE DISCONNECT REQ'D

NOTE: SITE DROP	
SEWER	—
HOSE BIBB	—+
WATER LINE	----
POWER METER	
GAS LINE	I
UNDERGROUND POWER	
OVERHEAD POWER	

NOTES

BRACE LIVING ROOOM AND ALL BEDROOMS FOR PADDLE FAN

ALL ELECTRICAL IN BEDROOMS SHALL BE ON AN A.F.C.I. PER NEC 2002

LEGEND

- CLG. OR WALL FIXTURE
- RECESSED CLG. FIXTURE
- FLOURESENT FIXTURE (CLG. OR WALL MNT.)
- OUTLET
- OUTLET 220V
- OUTLET–TOP HOT
- FLOOR OUTLET
- SWITCH
- SWITCH–3 WAY
- SWITCH–4 WAY
- DIMMER SWITCH
- FLOODLIGHT
- DOOR BELL
- EXH. FAN
- SMOKE DETECTOR
- TELEPHONE
- JUNCTION BOX
- THERMOSTAT
- TELEVISION

2 x 4 EXTERIOR WALLS
UNLESS OTHERWISE NOTED

LOWER LEVEL WIRING PLAN 14

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

DRAWN BY JDC

SOLD BY KIM RICKOLT

SHEET No. 15

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. – WINTER PARK – FLORIDA – 32789
PHONE – (407) 644 5859 FAX – (407) 647 5758
CA #9144

DATE 2-28-08
REVISIONS

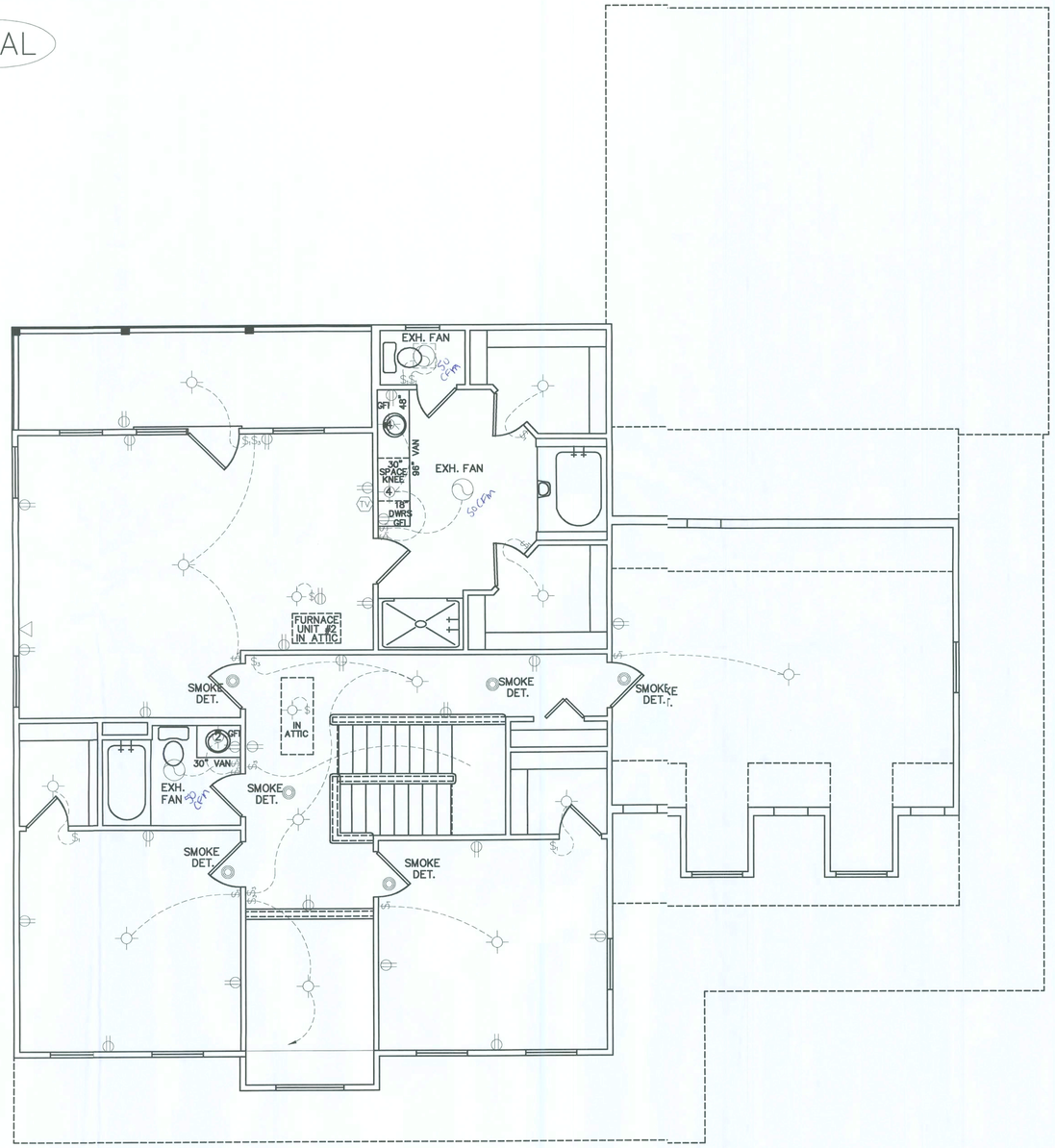
AREAS	
FIRST FLOOR	1982 S.F.
SECOND FLOOR AREA	1344 S.F.
SECOND FLOOR HEATED	74 S.F.
TOTAL HEATED	3380 S.F.
BONUS ROOM (UNFINISHED)	300 S.F.
GARAGE	633 S.F.
FRONT PORCH	486 S.F.
REAR PORCHES	275 S.F.

THE HANOVER

FOR MICHAEL & FADRA McINTOSH

100% COMPLETE

FINAL



UPPER LEVEL ELECTRICAL PLAN

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

NOTES

BRACE LIVING ROOOM AND ALL BEDROOMS FOR PADDLE FAN

ALL ELECTRICAL IN BEDROOMS SHALL BE ON AN A.F.C.I. PER NEC 2002

LEGEND

- CLG. OR WALL FIXTURE
- RECESSED CLG. FIXTURE
- FLOURESENT FIXTURE (CLG. OR WALL MNT.)
- OUTLET
- OUTLET 220V
- OUTLET–TOP HOT
- FLOOR OUTLET
- SWITCH
- SWITCH–3 WAY
- SWITCH–4 WAY
- DIMMER SWITCH
- FLOODLIGHT
- DOOR BELL
- EXH. FAN
- SMOKE DETECTOR
- TELEPHONE
- JUNCTION BOX
- THERMOSTAT
- TELEVISION

NOTE: SITE DROP	
SEWER	—
HOSE BIBB	—+
WATER LINE	----
POWER METER	
GAS LINE	I
UNDERGROUND POWER	
OVERHEAD POWER	

2 x 4 EXTERIOR WALLS UNLESS OTHERWISE NOTED

UPPER LEVEL WIRING PLAN

SHEET No. 15 OF 15

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

DRAWN BY JDC

SOLD BY KIM RICKOLT

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. – WINTER PARK – FLORIDA – 32789
PHONE – (407) 644 5859 FAX – (407) 647 5758
CA #3144

DATE 2-28-08
REVISIONS

AREAS

FIRST FLOOR	1862 S.F.
SECOND FLOOR AREA	1344 S.F.
SECOND FLOOR HEATED	74 S.F.
TOTAL HEATED	3380 S.F.
BONUS ROOM (UNFINISHED)	1009 S.F.
GARAGE	633 S.F.
FRONT PORCH	468 S.F.
REAR PORCHES	275 S.F.

ADT 2000

THE HANOVER

FOR MICHAEL & FADRA McINTOSH

STRUCTURAL GENERAL NOTES:

GENERAL:

THESE ARE INTENDED TO BE GENERAL SPECIFICATIONS AND GENERAL CONTRACTORS SHALL FOLLOW ONLY THE APPLICABLE SPECIFICATIONS.

ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUCTED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WERE A DIFFERENT DETAIL IS SHOWN.

SHOP DRAWINGS IN THE FORM OF REPRODUCIBLE SEPIAS OF ARCHITECTURAL OR STRUCTURAL DRAWINGS (CONTRACT DOCUMENTS) ARE PROHIBITED WITHOUT EXPRESS WRITTEN PERMISSION FROM ARCHITECT/ ENGINEER.

MANUFACTURERS OF ANY PRE-ENGINEERED, PRE-FABRICATED SYSTEM OR COMPONENT SHALL SUBMIT SHOP DRAWINGS FOR THE ENGINEER/ ARCHITECT'S APPROVAL PRIOR TO FABRICATION OR ERECTION OF SYSTEM/ COMPONENT. THESE SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER.

THE NEW STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2004 EDITION OF FLORIDA BUILDING CODE. FOLLOW ALL APPLICABLE PROVISIONS FOR ALL PHASES OF CONSTRUCTION.

THE STRUCTURAL INTEGRITY OF THE COMPLETED STRUCTURE DEPENDS UPON THE INTERACTION OF VARIOUS CONNECTED COMPONENTS. PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK.

FOUNDATIONS:

GEOTECHNICAL ENGINEERING EVALUATION AND SUBSURFACE EXPLORATION SHALL PERFORM BY OWNER'S GEOTECHNICAL CONSULTANT.

MAXIMUM ALLOWABLE SOIL PRESSURE IS ASSUMED TO BE 2000 POUNDS PER SQUARE FOOT.

SPREAD FOOTINGS SHALL BEAR ON SOIL COMPACTED TO A DENSITY OF AT LEAST 95 % OF MODIFIED PROCTOR MAXIMUM DENSITY (A.S.T.M. D1557), FOR ALL REQUIRED FILL AND FOR AT LEAST 1'-0" BELOW FINISHED FLOOR UNLESS MORE STRINGENT REQUIREMENTS ARE RECOMMENDED BY OWNERS GEOTECHNICAL CONSULTANT.

CONCRETE:

DESIGN OF REINFORCED CONCRETE CONFORMS WITH BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE - ACI 318, LATEST EDITION.

ALL CONCRETE FOR FOUNDATIONS, SLAB ON GRADE, CMU FILLED CELLS, CONC. COLUMN AND BEAMS SHOULD HAVE AN UNCONFINED COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.

GENERAL CONTRACTORS SHALL CHECK ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR OPENINGS, SLEVES, ANCHORS, HANGERS, SLAB DEPRESSIONS AND ANY OTHER ITEMS. RELTED TO CONCRETE WORK, AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR PROPER LOCATION, BEFORE POURING CONCRETE.

AT OPENINGS IN SLABS OR WALLS, PROVIDE 2 - #6 BARS EACH 6'-0" LONGER THAN WIDTH OF OPENING ON EACH OF SIDES OF OPENINGS, UNLESS SHOWN OTHERWISE.

PITCH CONCRETE SLABS, WHERE REQUIRED TO FLOOR DRAINS SHOWN ON ARCHITECTURAL AND MECHANICAL DRAWINGS.

CONCRETE PROTECTION FOR REINFORCING BARS SHALL BE AS FOLLOWS:

FOOTINGS	3" CLEAR, BOTTOM AND SIDES, 2" CLEAR, TOP
SLABS	¾" CLEAR, 1½" CLEAR AT AREAS EXPOSED TO WEATHER
BEAMS/ COLUMNS	1½"CLEAR TO STIRRUPS/ TIES

DESIGN MIXES:

PROVIDE NORMAL WEIGHT CONCRETE WITH THE FOLLOWING PROPERTIES:

3000 PSI 28- DAY COMPRESSIVE STRENGTH, AIR CONTENT 4 TO 6 %, SLUMP 3" TO 5" SUBMIT MIX DESIGN FOR ARCHITECTS/ ENGINEER'S REVIEW PRIOR TO START OF CONSTRUCTION.

CONCRETE CURING AND TESTING:

CURING: PROTECT CONCRETE FOR 7 DAYS AGAINST MOISTURE LOSS, RAPID TEMPERATURE CHANGE, MECHANICAL INJURY AND INJURY FROM RAIN OR FLOWING WATER. MAINTAIN CONCRETE IN MOIST CONDITION AT TEMPERATURE ABOVE 50 DEGREES F, THROUGHOUT SPECIFIED CURING PERIOD. PROTECT FROM RAPID TEMPERATURE CHANGE AND RAPID DRYING FOR FIRST 24 HOURS FOLLOWING REMOVAL OF TEMPERATURE PROTECTION. START CURING ACTIVITIES AS SOON AS FREE WATER HAS DISAPPEARED FROM SURFACES OF CONCRETE AFTER PLACING AND FINISHING.

TESTING: CONCRETE TESTING FOR THIS PROJECT SHALL BE PAID FOR BY OWNER, AND SHALL CONSIST OF COMPRESSIVE TESTS MADE BY THE LABORATORY IN ACCORDANCE WITH ASTM C-31, FOLLOW STM C31 AND MAKE A SET OF SIX (6) STANDARD CYLINDERS FOR EACH 100 CU. YDS. OR FOR EACH DAYS POUR EXCEEDING 5 CU. YDS. TEST PER ASTM C39 AS FOLLOWS: TWO (2) SPECIMENS TESTED AT SEVEN (7) DAYS, ONE (1) AT 14 DAYS. TWO (2) TESTED AT 28 DAYS, AND ONE (1) HELD IN RESERVE. SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C-143 FOR EACH DAYS POUR FOR EACH LOAD, OR AS DIRECTED BY ARCHITECT/ ENGINEER.

CONCRETE ANCHOR AND FASTENERS:

EMBEDMENT ANCHORS SHALL BE NELSON STUDDED ANCHORS WITH FLUSH ENDS (OR APPROVED EQUAL), SIZE AND SPACING AS INDICATED ON THE DRAWINGS. STUDS SHALL BE END WELDED IN ACCORDANCE WITH RECOMMENDATIONS OF THE NELSON STUD WELDING COMPANY.

EXPANSION ANCHORS SHALL BE WS SERIES WEDGE ANCHORS AS MANUFACTURED BY PHILLIPS RED HEAD, OR HILTI KWIK BOLTS AS MANUFACTURED BY HILTY, INC. OR APPROVED EQUAL.

IN LIEU OF EXPANSION ANCHORS CAST-IN-PLACE INSERTS WILL BE PERMITTED AS MANUFACTURED BY HOMAN & BERNARD, OR APPROVED EQUAL.

PRECAST U-LINTELS:

ALL "U" TYPE PRECAST LINTELS INDICATED ON DRAWINGS ARE TO BE PRECAST AND/ OR PRESTRESSED IN ACCORDANCE WITH SPAN AND LOAD CAPACITIES AS INDICATED IN "DESIGN MANUAL", OCT. 1975, BY CAST-CRETE CORP., TAMPA, FLORIDA (LINTEL SHALL BE BY CAST-CRETE OR APPROVE EQUAL.

ALL "U" TYPE PRECAST LINTELS SHALL HAVE 8" MINIMUM BEARING EACH END WHEN FRAMED TO MASONRY WALLS AND 1-1/2" MINIMUM BEARING EACH END WHEN FRAMED TO CONCRETE WALLS OR COLUMNS, UNLESS NOTED OR SHOWN OTHERWISE.

REINFORCING STEEL:

REINFORCING STEEL SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615-GRADE 60, EXCEPT THAT NEW BILLET STEEL CONFORMING TO ASTM A615-GRADED 40 MAY BE USED FOR COLUMN TIES AND BEAMS STIRRUPS. ALL DETAILING AND ACCESSORIES SHALL CONFORM TO TYPICAL DETAILS SHOWN IN THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES ACI 315, LATEST EDITION".

ALL CONTINUOUS VERTICAL OR HORIZONTAL BARS IN FOOTINGS, FOUNDATIONS WALLS, SLABS AND OTHER CONCRETE SHALL BE LAP-SPLICED, WHERE NECESSARY OR DESIRABLE, BY WIRING TOGETHER IN CONTACT, LENGTH OF ALL LAPS SHALL BE 48-BAR DIAMETERS OR 2'-8" MINIMUM, WHICHEVER IS GREATER (EXCEPT AS NOTED BY DRAWINGS). ALL BARS AT END OF CONTINUOUS FOOTINGS OR BEAMS SHALL BE CONT. TO FAR SIDES OF INTERSECTING ELEMENTS.

ALL SLABS ON GRADE SHALL BE 4" THICK AND REINFORCED WITH 6 X 6 - W1.4 X W1.4 W.W.F. UNLESS OTHERWISE NOTED. LAP FABRIC 8" AT EDGES AND ENDS AND PROVIDE ADDITIONAL REINFORCING WHERE SHOWN ON DRAWINGS. PLACE MESH IN CENTER OF SLAB. MOISTURE BARRIER BENEATH FLOOR SLABS SHALL BE 6 MIL POLYETHYLENE. USE FLAT SHEETS OF WELDED WIRE FABRIC. ROLLS WILL NOT BE PERMITTED.

CONCRETE MASONRY:

ALL CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF "SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY: OF THE NATIONAL CONCRETE MASONRY ASSOCIATION".

CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C-30. ALL CONCRETE BLOCKS SHALL HAVE AN ULTIMATE NET COMPRESSIVE STRENGTH OF 2000 PSI MINIMUM TO GIVE A MINIMUM COMPRESSIVE STRENGTH OF MASONRY ASSEMBLAGE (F'M) OF 1500 PSI, UNLESS NOTED OTHERWISE. USE SPLIT FACE OR REGULAR BLOCK AS SHOWN ON ARCHITECTURAL DRAWINGS.

MORTAR SHALL BE ASTM C-270, TYPE "S" FRESHLY PREPARED AND UNIFORMLY MIXED WITH MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI @ 28 DAYS.

GROUT USED IN CONCRETE BLOCKS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS.

MAXIMUM HEIGHT OF GROUT POUR SHALL BE 4'-0" UNLESS CLEAN OUT OPENINGS ARE PROVIDED AT THE BOTTOM OF CELLS TO BE FILLED. ALL GROUT SHALL BE PUDDLE WITH GROUT STICK IMMEDIATELY AFTER POURING.

FILL ALL CELLS WITH CONCRETE GROUT CONTAINING REINFORCING STEEL. CONTINUOUS INSPECTION IS REQUIRED FOR ALL MASONRY WALL CONSTRUCTION.

LIGHTGAGE METAL FRAMING:

PROVIDE FRAMING MEMBERS AND CONNECTIONS IN ACCORDANCE WITH THE AISI SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, LATEST EDITION. USE UNIMAST CORP. GYPSUM COMPANY FRAMES, BRACING AND CONNECTIONS, OR AS APPROVED EQUAL.

STEEL STUDS SHALL BE PER DESIGN CRITERIA AS NOTED HEREIN: GALV G-60 ASTM A525, MINIMUM YIELD STRESS TO BE 50,000 PSI FOR 14 & 16 GA., AND 33,000 PSI FOR 18 & 20 GA. TRACKS, BRACING AND ALL OTHER COMPONENTS TO BE 33,000 PSI.

BRACING DURING CONSTRUCTION:
PROVIDE 1½" COLD ROLLED CHANNELS OR HORIZONTAL STRAP BRACING FOR WALLS IMMEDIATELY AFTER STUDS ARE ERECTED.

CONNECT STUDS TO TOP TRACK W/ (2) #12 TEK SCREWS.

STRUCTURAL STEEL:

FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH A.I.S.C. "SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING", LATEST EDITION.

ALL STRUCTURAL STEEL SHALL MEET THE REQUIREMENTS OF A.S.T.M. A-36, EXCEPT STRUCTURAL STEEL TUBE SHAPES SHALL MEET THE REQUIREMENTS OF A.S.T.M. A500, GRADE B. ALL STEEL PIPE SHALL MEET THE REQUIREMENTS OF ASTM A53 E OR S, GRADE B.

ALL BOLTS SHALL MEET THE REQUIREMENTS OF A.S.T.M. A325. BOLTS SHALL BE ¾" DIAMETER EXCEPT WHERE SHOWN OTHERWISE.

ALL WELDED CONNECTIONS SHALL BE DESIGN TO BE FULLY EQUIVALENT IN STRENGTH TO BOLTED CONNECTIONS FOR THE SAME SIZE BEAM. ALL WELDS FOR COLUMN CAP AND BASE PLATES SHALL BE CONTINUOUS 1/4" FILLET WELDS, UNLESS SHOWN OTHERWISE.

ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS IN ACCORDANCE WITH WAS "CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION", LATEST EDITION. USE E70-XX ELECTRODES FOR ALL WELDING.

PROVIDE ALL STRUCTURAL STEEL LINTELS, SHELF ANGLES, AND ALL OTHER ROLLED SHAPES SHOWN ON ARCHITECTURAL DRAWINGS.

FIELD BOLT CONNECTIONS WILL BE TESTED AND INSPECTED ACCORDING TO RCSC'S "SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A 325 OR A 490 BOLTS".

OPEN WEB JOISTS:

THE DESIGN, FABRICATION AND ERECTION OF STEEL JOISTS SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL JOIST INSTITUTE'S "STANDARD SPECIFICATIONS FOR OPEN WEB STEEL JOISTS", LATEST EDITION. FURNISH SIGNED & SEALED STATEMENT VERIFYING COMPLIANCE WITH THE ABOVE.

JOIST MANUFACTURER SHALL CHECK AND DESIGN JOIST DESIGNATIONS SHOWN ON THE DRAWINGS FOR LONGITUDINAL STRESSES FROM WIND UPLIFT. JOIST MANUFACTURER SHALL ALSO CHECK AND DESIGN ALL JOISTS THAT SUPPORT NON-UNIFORM LOADS. NET WIND UPLIFT OF 20 PSF WILL BE USED FOR INTERIOR ZONE AND 28 PSF FOR CORNER AND EDGE ZONE. CORNER AND EDGE ZONE IS 6'-0" WIDE.

METAL ROOF DECK:

METAL DECK SUPPORTING ROOF CONSTRUCTION SHALL BE INTERMEDIATE RIB DECK, TYPE B, 22 GAGE AS MANUFACTURED BY WHEELING CORRUGATING CO., OR APPROVED EQUAL. WELD DECK TO SUPPORTS AS SHOWN. STRUCTURAL WOOD FRAMING:

ALL FRAMING SHALL BE DESIGNED, FABRICATED, AND INSTALLED AS PER AITC AND TPI SPECIFICATIONS.

ALL WOOD STRUCTURAL MEMBERS SHALL BE CONTROLLED STRESS GRADE LUMBER HAVING A FIBER STRESS OF AT LEAST 1300 PSI.

PROVIDE TEMPORARY TOP CHORD BRACING UNTIL ROOF DECK IS IN PLACE.

ALL BOLTS SHALL BE ¾" DIAMETER AND SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. A307 UNLESS OTHERWISE NOTED.

SHEAR PLATES SHALL BE EITHER PRESSED STEEL TYPE (SAE 1010) OR MALLEABLE IRON TYPE, (ASTM A47-33).

ALL WOOD MEMBERS EXPOSED TO WEATHER OR BEARING ON CONCRETE OR STEEL SHALL BE PRESSURE TREATED.

LIGHT GAGE METAL STUD TRUSSES:

TRUSS MANUFACTURER SHALL CHECK AND DESIGN TRUSSES SHOWN ON DRAWINGS TO ENGINEER FOR APPROVAL. SUBMITTAL SHALL INCLUDE THE FOLLOWING INFORMATION:
- LAYOUT PLAN - DESIGNATING TRUSS TYPES.
- TRUSS DIAGRAMS - SHOWING OUTLINE OF TRUSSES.
- ENGINEERING CUT SHEETS - SHOWING GRAVITY AND UPLIFT DESIGN WITH MAGNITUDE OF BOTH SETS OF REACTIONS.
- ENGINEERING GIRDER TO GIRDER CONNECTORS, AND LIST ALL STANDARD CONNECTORS FOR TRUSS TO TRUSS, TRUSS TO MASONRY OR WOOD WALLS NOT DETAILED BY STRUCTURAL DRAWINGS. USE SIMPSON CATALOG OR SUBMIT EQUAL.

THE GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND ENGINEERING REVIEWED BY ARCHITECT/ ENGINEER TO THE BUILDING DEPARTMENT PRIOR TO TRUSS ERECTION.

ROOF TRUSSES:

FOR TYPICAL SOUTHERN YELLOW PINE 2 X 4'S
TRUSS T.C. LIVE AND DEAD LOAD (SHINGLE & METAL) 27PSF TILE 35 PSF
B.C. DEAD LOAD 10 PSF
10 PSF
TOTAL 37 PSF
45 PSF

DESIGN LOADS:

LIVE LOADS: ROOF: 20 PSF

ALL STRUCTURAL COMPONENTS SHALL MEET DESIGN CRITERIA SET FORTH IN FLORIDA BUILDING CODE (CURRENT VERSION) CHAPTER 16. MINIMUM NET UPLIFT REQUIREMENTS SHALL BE 25 PSF TYPICAL AND 13.0' EDGE ZONE. ALL DOORS, WINDOWS & GLAZING FRAMING SHALL BE ABLE TO WITHSTAND WITH PRESSURE FOR COMPONENTS AND CLADDING PER FBC CODE, CHAPTER 16. SEE ARCHITECTURAL DRAWINGS FOR SIZES AND LOCATIONS. SEE DESIGN PRESSURE TABLE SHEET.

WIND LOADS (VELOCITY) 120 MPH
IMPORTANCE FACTOR 1.0
EXPOSURE B
ENCLOSURE "ENCLOSSED BUILDING"
INTERNAL PRESSURE COEFFICIENT .18
BUILDING CATEGORY TYPE 2
HEIGHT 30'-0"

TIMBER ROOF TRUSSES:

ON THIS ITEM SHALL APPLY ALL THE PERTAINING DRAWINGS, SPECIFICATIONS AND DETAILS PROVIDED BY UNIVERSAL TIMBER STRUCTURES FOR TIMBERS, PLATES AND CONNECTIONS.

STRUCTURAL CLASIFICATION:

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH, AND MEETS THE REQUIREMENTS OF ALL APPLICABLE STRUCTURAL SECTIONS OF FLORIDA BUILDING CODE 2004 EDITION WHERE APPLICABLE FOR 120 MILES PER HOUR OR LESS WIND SPEED CERTIFICATION BY ENGINEER APPLIES TO STRUCTURAL DESIGN ONLY. BASIC WIND SPEED = 120 MPH WIND IMPORTANCE FACTOR = 1.0 WIND EXPOSURE CATEGORY = B INTERNAL PRESSURE COEFFICIENT = +/-0.18 FULLY ENCLOSED WIND PRESSURES FOR COMPONENTS AND CLADDING FOR WALL ELEMENTS SHALL BE SHOWN ON FLOOR PLAN AND OR ELEVATIONS

SED

CERTIFICATE OF AUTHORIZATION # 9144

SILVESTRE ENGINEERING & DESIGN
1801 OGLESBY AVE.
WINTER PARK, FL. 32789
ORLANDO: (407) 644-5859

KENNETH W SCHRAW
LICENSE
No. 17402
APR 04 2008
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS	BY

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2004 RESIDENTIAL, 2006 SUPPLEMENTAL FLORIDA BUILDING CODE FOR 120 MPH OR LESS WIND SPEED AND COMPLIES WITH SECTION R301.1 TEXTOF CODE. BASIC DESIGN WIND LOADS CRITERIA IS GOVERNED BY ASCE 7-02.
BASIC WIND SPEED = 120 MPH
WIND IMPORTANCE FACTOR = 1.0
WIND EXPOSURE CATEGORY = B
INTERNAL PRESSURE COEFFICIENT = +/- 0.18 FULLY ENCLOSED
AVERAGE DESIGN WIND PRESSURE = 25 PSF
GARAGE DOOR PRESSURE= +22.8 -25.8 (WORST CASE)
WIND PRESSURES FOR COMPONENTS AND CLADDING FOR WALL ELEMENTS SHALL BE (+) 25.9 & (-) 34.7 PSF (WORST CASE)

SILVESTRE ENGINEERING & DESIGN, INC.
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PHONE: (407) 644-5859
FAX: (407) 647-5785
EMAIL: mick@silvestre-engineering.com

SED

DRAWN	
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DATE	
SCALE	
JOB NAME	McINTOSH RESIDENCE

S-1

OF SHEET

CONNECTORS TO EXISTING GROUTED CMU SIMPSON

#	CONNECTOR	FASTENER	UPLIFT (lbs.)
30	MT516	(7) 10d. x 1.5 NAILS & (5) 3/16" Ø X 2 1/4" TAPCONS	1000
31	HT520	(10) 10d. x 1.5 NAILS & (6) 3/16" Ø X 2 1/4" TAPCONS	1150
32	MSTAM124	(9) 10d. NAILS & (6) 3/16" Ø X 2 1/4" TAPCONS	1545
33	MSTAM136	(13) 10d. NAILS & (9) 3/16" Ø X 2 1/4" TAPCONS	1915
34	MSTCM40	(27) 16d. NAILS & (16) 3/16" Ø X 2 1/4" TAPCONS	2475
35	CS16-R CUT LENGTH TO FIT	(11) 10d. NAILS & (7) 3/16" Ø X 2 1/4" TAPCONS	1650
36	H16S INVERTED HANGER	(2) 10d. x 1.5 NAILS & (8) 3/16" Ø X 2 1/4" TAPCONS	1600
37	HUCM410 MASONRY HANGER	(16) 3/16" Ø X 2 1/4"TAPCONS	1600
38	HUCM412 MASONRY HANGER	(20) 3/16" Ø X 2 1/4"TAPCONS	1810
39	MBHA MASONRY HANGER	(1) 3/4" Ø THREADED ROD @ TOP AND @ FACE	3475
40	HGA10	(4) 1/4" diax1 1/2" screws to wood & (4) 1/4" Ø X 2 1/4" TAPCONS	260 uplift 1000 lat.
41	HGUS48	(24) 3/16" Ø X 2 1/4" TAPCONS	2300
42	HGUS5.50/10	(24) 3/16" Ø X 2 1/4" TAPCONS	2300
43	FGTR	1 2-1/2" x 5 titen HD	5000
		2 4-1/2" x 5 titen HD	9400
44	HUC26-2	12-TITEN 1/4" x 2-3//4"	3350* G
		6-10d	905* U
45	HUC28-2	14-TITEN 1/4" x 2-3//4"	4350* G
		6-10d	905* U
46	HUC210-2	18-TITEN 1/4" x 2-3//4"	5085* G
		10-10d	1810* U
47	HUC410	18-TITEN 1/4" x 2-3//4"	5085* G
		10-10d	1810* U

TYPICAL CONNECTIONS AND DETAILS

(a) (2) STUDS / (15) X 2 OR (6) X 2 @ TOP & (22) @ BASE - TYP. @ 1 STORY

(b) (3) STUDS / (15) X 3 OR (6) X 3 @ TOP & (23) @ BASE - TYP. @ 1 STORY

(c) (2) STUDS / (15) X 2 OR (6) X 2 @ TOP & (15) X 2 OR (6) X 2 @ LOWER BEAM OR RIMBOARD

(d) (3) STUDS / (15) X 2 OR (6) X 2 @ TOP & (15) X 2 OR (6) X 2 @ LOWER BEAM OR RIMBOARD

(d) (4) STUDS OR 6X6 P.T. POST / (28) x 2 @ TOP AND (5) @ BASE

(e) (2) STUDS / (15) x 2 OR (6) x 2 @ TOP & (12) x 2 - 52" LONG @ FLOOR AND 2 STUDS BELOW 22 @ BASE

(f) (3) STUDS / (15) x 3 OR (6) x 3 @ TOP & (12) x 2 - 52" LONG @ FLOOR AND 3 STUDS BELOW 23 @ BASE

(g) (3) STUDS / (15) x 2 OR (6) x 2 @ TOP & (12) x 2 - 52" LONG @ BASE W/ (13) 10d. NAILS TO STUDS AND (10) 3/4" Ø x 24" TAPCONS TO GROUTED CMU

(h) (3) STUDS / (15) x 3 OR (6) x 3 @ TOP & (12) x 3 - 52" LONG @ BASE W/ (13) 10d. TO STUDS AND (10) 3/4" Ø X 24" TAPCONS TO GROUTED CMU

(j) 2nd FLOOR STUDS TO FLOOR SYSTEM WITH LSTA36 @ 32" O.C. OR CS16-R 52" LONG @ 32" O.C. AND AT CORNERS, ENDS AND TWO AT EACH SIDE OF OPENINGS

(k) 2x10 LEDGER BOARD W/ (3) 1/4" Ø X 4" WOOD SCREWS AT 16" O.C. AT FRAME OR 1/4"x4 1/2" TAPCONS AT 5" O.C. TO CMU

(kl) (2) 2x12 LEDGER BOARD DOUBLE STAGGERED ROW OF 3/4"x 10" ANCHOR BOLTS AT 16" O.C. TO GROUTED CMU OR CONCRETE

(l) 5 1/4" x 5 1/4" PARALLAM POST W/(2) x 2 POST/BEAM/ 23 @ BASE (TYP.)

(m) 6"x6" P.T. POST W/(2) x 2 POST/BEAM/(23) @ BASE (TYP.)

(n) 4"x4" P.T. POST W/(14) x 2 POST/BEAM (23) @ BASE (TYP.)

(o) 4"x4" P.T. POST W/(16) x 3 POST/BEAM (23) @ BASE (TYP.)

2 STORY TYPICAL CONNECTIONS AND DETAILS

(a2) (2) STUDS / (15) X 2 OR (6) X 2 @ TOP & (15) x2 POST TO POST AND (22) @ BASE

(b2) (3) STUDS / (15) X 2 OR (6) X 2 @ TOP & (15) x 2 POST TO POST AND (22) @ BASE

(l2) 5 1/4" x 5 1/4" PARALLAM POST W/(2) X 2 POST/BEAM (23) x 2 POST/POST/ (23) @ BASE (TYP.)

(m2) 6" x 6" P.T. POST W/(2) X 2 POST/BEAM (2) x2 POST/POST/ (23) @ BASE (TYP.)

(n2) 4"x4" P.T. POST W/(14) X 2 POST/BEAM/ (14) x 2 POST TO POST, AND (24) @ BASE (TYP.)

(o2) 4"x4" P.T. POST W/(16) X 2 POST/BEAM/ (16) X 2 POST TO POST, AND (23) @ BASE (TYP.)

CONNECTOR SCHEDULE SIMPSON

#	CONECTOR	FASTENER	UPLIFT (lbs.)
1	ME318	(14) 10d x 1.5	1450
2	HET20	1 PLY(14) 10d X 1.5 2/3 PLY(12) 16d	1810
3	MT516or MT512	(14) 10d	840
4	H3 OR H5	(8) 8d	455 uplift 125 lateral
5	HDA	7/8" Ø ANCHOR BOLT (3) 7/8"Ø BOLTS THRU	7910
6	HTS20	24- 10d x 1.41/2"	1450
7	HHEA20	1 PLY 17 - 10d x 1.5 2/3 PLY 15 - 16d	2235
8	HG-2 or 3	(2) 3/4" ANCHORS	10530
9	SP1	6 - 10d	585
10	SP2	6 - 10d	890
11	SP4	6-10d x 1.41/2"	735
12	CS9-R CUT LENTH TO FIT	22 - 10d.	1705
13	LS412	10 - 10d	805
14	LS924	18 - 10d	1235
15	LST30	22 10d	1640
16	LST36	26 - 10d	1640
17	MST36	26 - 10d	2050
18	HE316	1 ply- 11-10d x 1.41/2" 2 ply- 12-16d	1810
19	HU26	14 - 16d	1550
20	HGS48	36 -16d	3220
21	FGR	18-SDS-1/4" X 3"	5000
		36-SDS-1/4" X 3"	9400
22	HT16	18 16d + 5/8" ABolt	3480
23	HT22	32-16d Sinkers + 5/8" ABolt	5250
24	AU44	12-16d + 5/8"A. Bolt	2200
25	AE56	12-16d + 5/8" A. Bolt	2300
26	HD	8- 8d x 1.41/2"	905
27	MT37	42-16d	3835
28	MT148	28 - 10d. x 1 1/2"	2335

UNLESS NOED OTHERWISE :

- WHERE CONNECOR NOT NOTED FOR TRUSS TO FRAME USE (3) / TRUSS TO NEW CMU USE (1) / TRUSS TO EXIST. CMU USE (22)
- ALL INTERIOR EAMS USE (6)x 2 ON FRAME AND (2)x 2 ON BLOCK
- ALL CONVENTIGALLY FRAMED MEMBERS USE 4 - 10d. TOE NAILS AT EACH END OF MMBERS
- USE HU826 AS 1PLY HANGER AND HGUS48 AS 2 PLY HANGER
- MINIMUM OF 1" BEEDMENT FOR ANCHOR BOLTS TO SLAB
- WHERE USED W/4 WOOD FRAME WALLS, ALSO MUST USE (2) INVERTED HTT22 UNDER PATES
- ALL INTERIOR HADERS SHALL BE (2) 2 X 12 W/ 1/2" PLYWOOD BETWEEN AND (5) EACH ND
- ALL ROOF & FLOR GIRDERS TO HAVE MULTIPLE STUD BEARING, ONE STUD PER PLY,TRAPPING AS NOTED
- ALL GIRDERS d CMU MUST HAVE MIN (1) FILLED CELL W/ #5 REBAR TIED TO TIE BEAM ADVE AND FOOTING BELOW

ROOF LIVE LOA 20 P.S.F.

FLOOR LIVE LOD 40 P.S.F.

STAIRS 100 P.S.F.

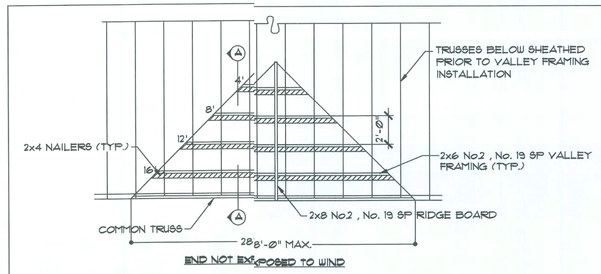
DECKS & BALCNIES 60 P.S.F

S.W.S. = SHEAR ALL SEGMENTS (SEE ATTACHED DETAILS)

REF. PROJECT 1US ENGINEERING TO BLOCK WALL

CMU. WALL SYSEM AS WELL AS I.C.F. SEGMENTS WHICH HAVE AN.NINTERRRUPTED LENGTH OF 4'-0" OR MORE SHAL BE CONSIDERED SHEAR WALL

R-3 CONECTOR SCHEDULE



NOTE:

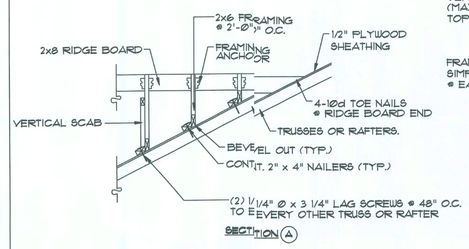
1- TRUSSES TO BE SHEATHED PRIOR TO VALLEY FRAMING

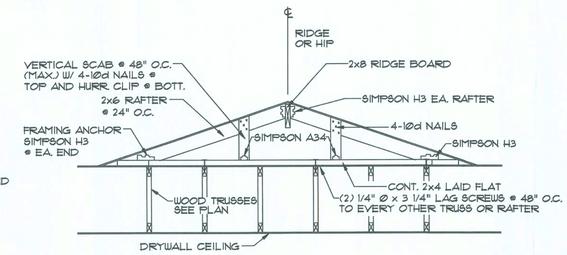
2- CONN. 2x4 NAILER TO ROOF W/2- 1/4" Ø X 3 1/4" LAG SCREWS @ 48" O.C. - TO EVERY OTHER TRUSS OR RAFTER

3- CONN. 2x6 VALLEY FRAMING TO CONT. 2x4 @ ONE END AND 2x8 RIDGE BOARD @ OTHER END USING SIMPSON H3 FRAMING ANCHOR (OR EQUIV.)

4- ATTACH 2x4 VERT. SCAB TO 8', 12' AND 16' VALLEY FRAMING SPACED @ 48" O.C. MAX. AND CONN. W/4 16d NAILS @ TOP AND HURR. CLIP H3 @ BOTTOM

5- VALLEY SECTION SHEATED AFTER FRAMING





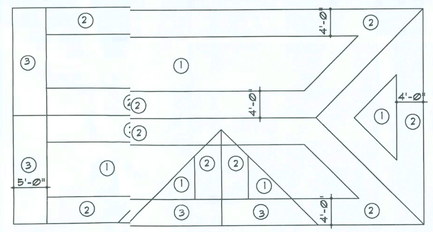
R-7 FIELD FRAMED VALLEY DETAIL

SIZE STUD MATERIAL AT O.C. SPACING	MAX. HEIGHT
2"x4" SPRUCE, FIR 24" O.C.	8'-0"
2"x4" SPRUCE, FIR 16" O.C.	9'-0"
2"x4" SPRUCE, FIR 12" O.C.	10'-0"
2"x4" SOUTHERN PINE, FIR 24" O.C.	9'-0"
2"x4" SOUTHERN PINE, FIR 16" O.C.	10'-9"
2"x4" SOUTHERN PINE, FIR 12" O.C.	12'-4"
2"x6" SPRUCE, FIR 24" O.C.	11'-4"
2"x6" SPRUCE, FIR 16" O.C.	13'-9"
2"x6" SPRUCE, FIR 12" O.C.	16'-0"
2"x6" SOUTHERN PINE, FIR 24" O.C.	13'-9"
2"x6" SOUTHERN PINE, FIR 16" O.C.	17'-0"
2"x6" SOUTHERN PINE, FIR 12" O.C.	19'-4"
2"x8" SPRUCE, FIR 24" O.C.	14'-9"
2"x8" SPRUCE, FIR 16" O.C.	18'-0"
2"x8" SPRUCE, FIR 12" O.C.	21'-0"
2"x8" SOUTHERN PINE, FIR 24" O.C.	18'-0"
2"x8" SOUTHERN PINE, FIR 16" O.C.	22'-3"
2"x8" SOUTHERN PINE, FIR 12" O.C.	25'-8"

F-8 LIMITING HEIGHTS OF 2" STUDS

REVISIONS	BY

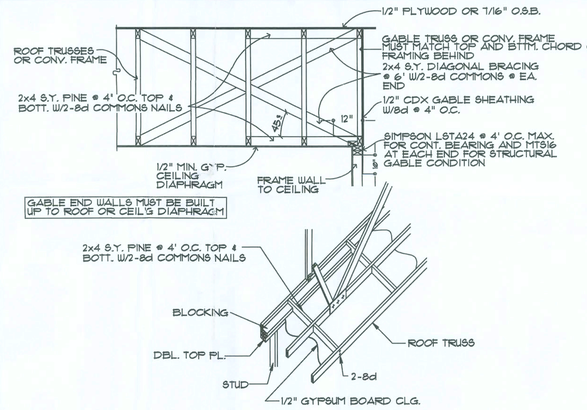
THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2004 RESIDENTIAL, 2006 SUPPLEMENTAL FLORIDA BUILDING CODE FOR:
DESIGN CRITERIA: WIND LOADING CRITERIA IS GOVERNED BY ASCE 7-02.
BASIC WIND SPEED = 130 MPH
WIND IMPORTANCE FACTOR, I = 1.0
INTERNAL PRESSURE COEFFICIENT = +/-0.18 FULLY ENCLOSED
AVERAGE DESIGN WIND PRESSURE = 29.7 PSF
(ENVELOPE PROCEDURE FOR LOW RISE BUILDINGS, 30' MEAN HEIGHT CASE)
WIND PRESSURES FOR COMPONENTS AND CLADDING FOR WALL ELEMENTS SHALL BE (+) 29.9 & (-) 34.7 PSF (WORST CASE)



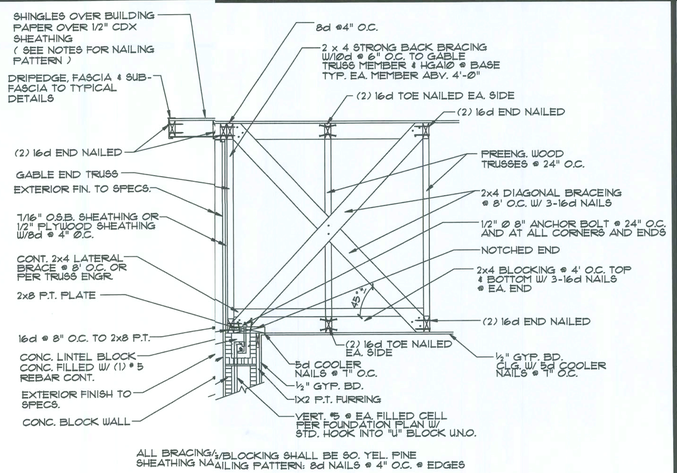
ROOF SHEATHING	NAILS	PANEL LOCATIONS	ROOF FASTENING ZONES 1	2	3
7/16" STRUCTURAL SHEATHING	8d. COMMON NAIL	PANEL EDGES @ SUPPORTS (1)	6" O.C.	6" O.C.	4" O.C.
		PANEL FIELD	12" O.C.	6" O.C.	6" O.C.

NOTE:
(1) EDGE SPACING ALSO APPLIES OVER GABLE END WALLS OR TRUSSES.
(2) PABLODE 2 1/4" X .299" DIAMETER POWER DRIVEN COATED SCREW NAILS MAY BE USED.
IN LIEU OF 8d. COMMON NAILS WITH REDUCED SPACING AS NOTED BELOW.
12" SPACE CHANGES TO 8", 6" TO 4", AND 4" OR 3" CHANGES TO 2 1/2".

R-2 ROOF SHEATHING FASTENING SCHEDULE

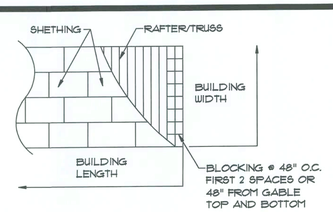


R-4 GABLE ENDWALL BRACING DETAIL FOR FLAT END OR VAULTED CEIL'G

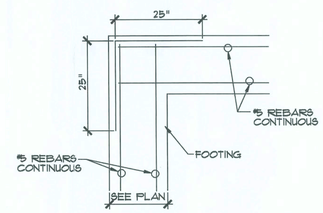


ALL BRACING/BLOCKING SHALL BE SO. YEL. PINE
SHEATHING NAILING PATTERN: 8d NAILS @ 4" O.C. @ EDGES

R-6 Gable End Bracing Detail (FOR FLAT CEIL'G) N.T.S.



R-1 ROOF SHEATHING LAYOUT



F0-2 CORNER FOOTING DETAIL

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CERTIFICATE OF AUTHORIZATION # 9144

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KENNETH W SCHRAW LICENSE No. 17402 STATE OF FLORIDA PROFESSIONAL ENGINEER APR 07 2008

SILVESTRE ENGINEERING & DESIGN, INC.
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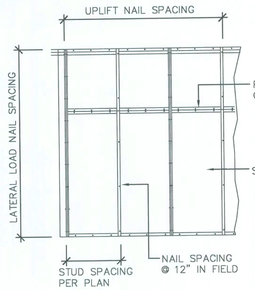
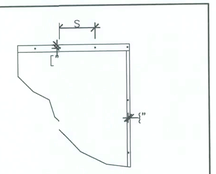
JOB NAME	McINTOSH RESIDENCE

S-2 OF SHEET





SINGLE NAIL EDGE SPACING

2"x.099"~ POWER DRIVEN COATED SCREW NAILS MAY BE USED IN LIEU OF 8d COMMON NAILS WITH REDUCED SPACING AS NOTED BELOW. 12" SPACE CHANGES TO 8", 6" CHANGES TO 4", AND THE 4" OR 3" CHANGES TO 2"

EXTERIOR WALL SHEATHING

SHEATHING REQ'D.	NAIL SIZE	VERTICAL SPACING	ORIZONTAL PACING	FIELD SPACING
5/8" STRUCTURAL SHEATHING	10d	6" O.C.	3" O.C.	12" O.C.

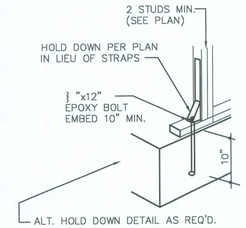
EXTERIOR GABLE END SHEAHING

SHEATHING REQ'D.	NAIL SIZE	VERTICAL SPACING	ORIZONTAL PACING	FIELD SPACING
5/8" STRUCTURAL SHEATHING	10d	4" O.C.	4" O.C.	8" O.C.

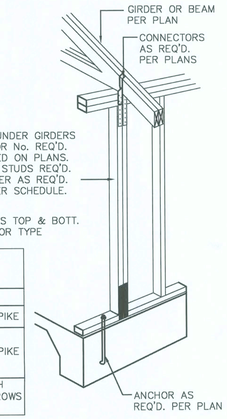
F-1 TYPICAL WALL SHEATHING DETAIL

M-9 GENERAL NOTES:

1. CONCRETE TO BE 2500 PSI MINIMUM.
2. STEEL REINFORCING BARS. ASTM 615, GRADE 40, MIN.SPLICE LAP OF 25".
3. STEEL COVERAGE: FOOTINGS AND SLABS (AGAINST EARTH), 3 INCHES.
4. CONCRETE MASONRY UNITS SHALL CONFORM WITH ASTM C-90 HOLLOW LOAD BEARING CONCRETE MASONRY UNITS, TYPE 1 GRADE 1, NORMAL WEIGHT, 8"x8"x16".
5. MORTAR SHALL CONFORM WITH ASTM C-91 FOR MASONRY CEMENT AND ASTM C-150 FOR PORTLAND CEMENT. MORTAR SHALL BE TYPE 'M'.
6. CONTRACTOR SHALL VERIFY ADEQUATE SOIL CONDITIONS BEFORE COMMENCING WORK(2500 PSF MINIMUM BEARING CAPACITY REQUIRED).
7. FOR WOOD FRAME CONSTRUCTION, USE #2 SOUTHERN YELLOW PINE ALL EXTERIOR & INTERIOR BEARING WALLS / ROOF FRAMING MEMBERS.
8. IF ANY STRUCTURAL CONDITIONS SHOULD ARISE DURING THE COURSE OF CONSTRUCTION, NOT NOTED ON THESE DRAWINGS, CONTRACTOR TO NOTIFY SED, INC. IMMEDIATELY IN WRITING AND STOP ANY AND ALL CONSTRUCTION IN AREA OF QUESTION UNTIL FURTHER NOTICE.
9. SED, INC. PROPOSES TO PERFORM THESE STRUCTURAL ENGINEERING SERVICES BASED ON INFORMATION SUPPLIED TO SED, INC. BY THE CUSTOMER. IT IS PRESUMED THAT THIS DATA IS CORRECT AND SUBSTANTIALLY UNCHANGEABLE. IF THESE CONDITIONS CHANGE DURING THE COURSE OF PERFORMING THE SED, INC. SERVICES ADDITIONAL FEES WILL BE REQUIRED FOR SED, INC. TO COMPLETE THE WORK.
10. ALL CHANGES AND DEVIATIONS SHALL BE APPROVED BY SED, INC. IN WRITING PRIOR TO ALL DEMOLITION OR CONSTRUCTION BEGINNING OR COMMENCING. THE CONTRACTOR AND CUSTOMER ARE RESPONSIBLE TO PROCURE THIS APPROVAL. FAILURE TO DO SO MAY RESULT IN AN INCOMPLETE ENGINEERING REVIEW AND ADDITIONAL FEES.
11. SED, INC. HAS REVIEWED THE NEW STRUCTURAL COMPONENTS BASED SOLELY ON INFORMATION SUPPLIED BY THE CUSTOMER OR THEIR CONTRACTOR. FIELD VERIFICATION IS NOT PART OF THE SED, INC. SCOPE OF WORK.
12. SED, INC. ASSUMES NO RESPONSIBILITY FOR THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, HVAC, FIRE PROTECTION OR FIRE CODE PROVISIONS, FABRICATION, INSTALLATION / ERECTION SUPERVISION, PLAN DIMENSIONS, UNKNOWN FIELD CONDITIONS OR OTHER CONDITIONS NOT FULLY REPRESENTED IN THESE DRAWINGS OTHER THAN THE STRUCTURAL COMPONENTS AND THEIR CONNECTIONS.



ALT. HOLD DOWN DETAIL AS REQ'D. PER PLAN:
A ½"x10" A.B. W/8" EMBEDMENT MAY BE USED IN LIEU OF EPOXY BOLT



FASTENER SCHEDULE FOR BUILT UP COLUMNS AMD POSTS
UNLESS NOTED OTHERWISE ALL FASTENERS TO BE 16" O.C. STAGGERED

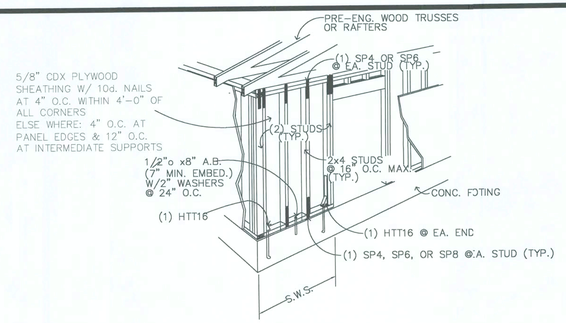
SIZE	#OF ROWS	2 PLY	3 PLY	4 PLY	5 PLY
2x4	1 ROW	10dx3"	20dx4"	50dx5 \"	5/16"x7" SPIKE
2x6 2x8 2x10 2x12	2 ROWS	10dx3"	20dx4"	50dx5 \"	5/16"x7" SPIKE

IN LIEU OF NAILS MEMBERS MAY BE BOLTED TOGETHER WITH \" MACHINE BOLTS @ 16" O.C. WITH THE SAME No. OF ROWS AS NAILS NOTED ABOVE.

F-2 BUILT UP WOOD COLUMN DETAIL

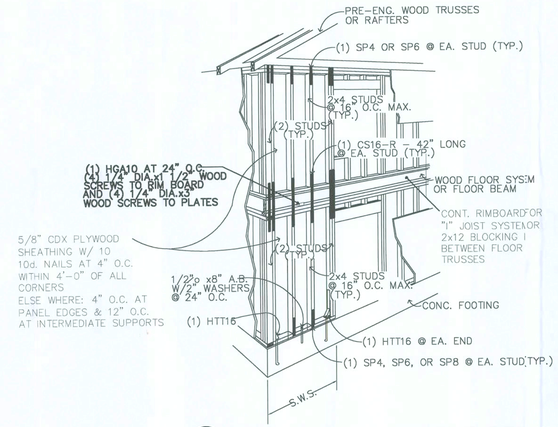
REVISIONS	BY

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2004 RESIDENTIAL 2006 SUPPLEMENTAL FLORIDA BUILDING CODE FOR 120 MPH OR LESS WIND SPEED AND COMPLIES WITH SECTION R301:1
DESIGN CRITERIA. WIND LOADING CRITERIA IS GOVERNED BY ASCE 7-02.
BASIC WIND SPEED = 120 MPH
WIND IMPORTANCE FACTOR = 1.0
WIND EXPOSURE CATEGORY = B
INTERNAL PRESSURE COEFFICIENT = +/- 0.18 FULLY ENCLOSED
AVERAGE DESIGN WIND PRESSURE = 25 PSF
GARAGE DOOR PRESSURE= +22.8 - 25.8 (WORST CASE)
WIND PRESSURES FOR COMPONENTS AND CLADDING FOR WALL ELEMENTS SHALL BE (+) 25.9 & (-) 34.7 PSF (WORST CASE)



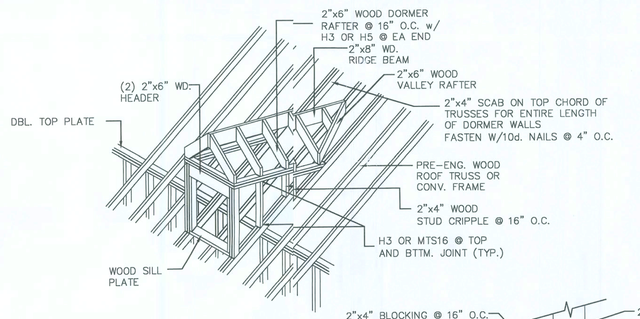
SHEARWALL SEGMENT DETAIL

N.T.S. (1-STORY FRAME WALL)



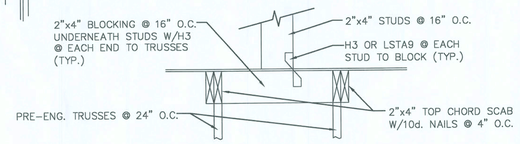
F-20A SHEARWALL SEGMENT DETAIL

N.T.S. (2-STORY FRAME WALLS)



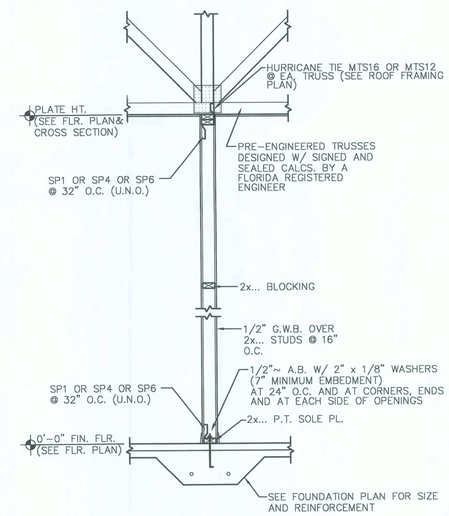
R-10 DORMER DETAIL

(NON ACTIVE)



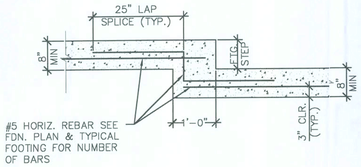
SECTION THROUGH DORMER BETWEEN TRUSSES

N.T.S.



F-15 INTERIOR BEARING WALL-ONE STORY

N.T.S.



FO-5 TYPICAL STEPPED FOOTING DETAIL

UPLIFT CONNECTION REQUIREMENT AT POINTS 'A' SEE F-2 (TOP AND BOTTOM OF HEADER STUDS). UPLIFT CONNECTION IS REQUIRED AT EACH END OF HEADER AND AT BOTTOM OF HEADER STUDS IN ADDITION TO CONNECTORS AT WALL STUDS

UNSUPPORTED WALL HEIGHT	STUD SPACING	MAXIMUM HEADER SPAN(FEET) 3	6	9	12	15	18
		*NUMBER OF HEADER STUDS SUPPORTING END OF HEADER 1	2	2	2	3	3
		NUMBER OF FULL LENGTH STUDS @ EA. END OF HEADER					
10'-0" OR LESS	12"	2	2	3	3	3	3
	16"	2	2	3	3	3	3
	24"	2	2	2	2	2	2
GREATER THAN 10'-0"	12"	2	2	3	4	5	5
	16"	2	2	3	3	4	4
	24"	2	2	2	2	3	3

*THE HEADER STUD SHALL NOT BE REQUIRED IF THE HEADER IS SUPPORTED BY A SUITABLE FRAMING ANCHOR

F-3 MINIMUM WALL AND HEADER STUD REQUIREMENTS

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. - WINTER PARK, FL - 32789
PHONE: (407)-644-5859
FAX: (407)-647-5758
EMAIL: mick@silvestre-engineering.com

SED

DRAWN

CHECKED

DATE

SCALE

JOB NAME

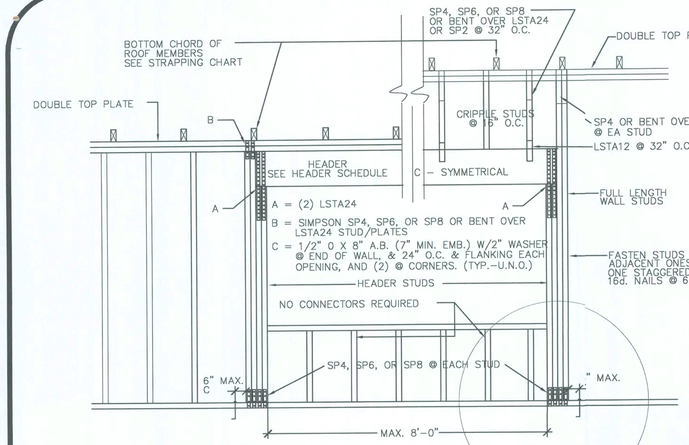
McINTOSH RESIDENCE

S-3

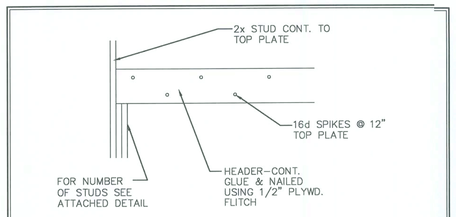
OF SHEET

SED
CERTIFICATE OF AUTHORIZATION # 9144
SILVESTRE ENGINEERING & DESIGN
1801 OGLESBY AVE.
WINTER PARK, FL. 32789
ORLANDO: (407) 644-5859

KENNETH W. SCHRAW LICENSE No 17402 STATE OF FLORIDA PROFESSIONAL ENGINEER
APR 04 2008



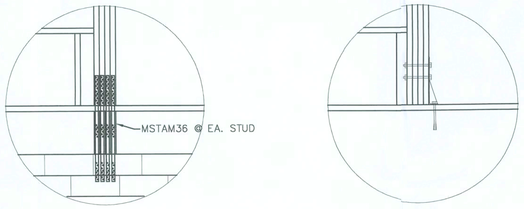
F-2 UNLESS OTHERWISE NOTED FOR UP TO 8'-0" SPAN TYPICAL FRAMING AND CONNECTORS OPENINGS (WINDOWS/DOORS) FOR EXTERIOR OR INTERIOR LOAD BEARING WALL



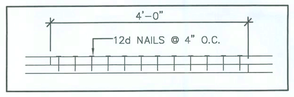
HEADER SCHEDULE

OPENING WIDTH	BEARING WALL OR SHEARWALL	NON-BEARING WALLS
0'-0" TO 3'-0"	2-2x6'S	2-2x4'S
3'-1" TO 5'-0"	2-2x10'S	2-2x6'S
5'-1" TO 7'-0"	2-2x12'S	2-2x8'S
7'-1" TO 9'-0"	2-2x12 W/ 1/2" PLYWD. FLITCH	2-2x12'S

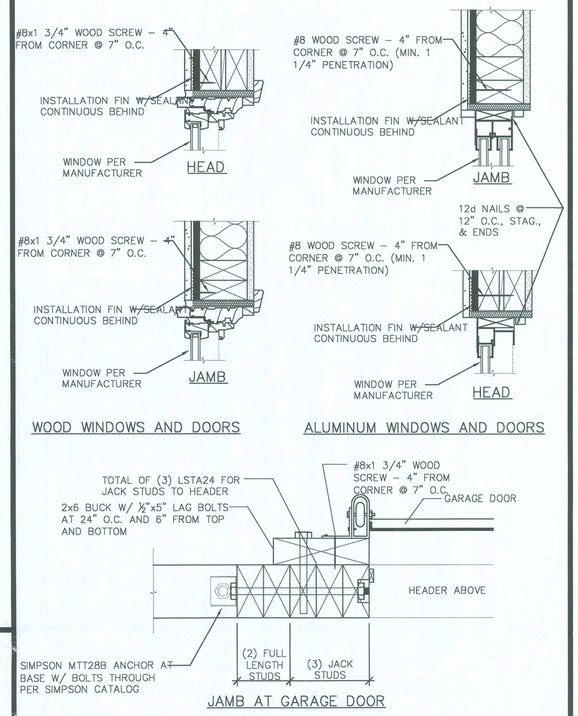
1. USE HEADER SIZES ABOVE UNLESS OTHERWISE NOTED ON FRAMING PLAN
2. PRIMARY FRAMING (BEAMS, GIRDERS, ETC.) WERE SIZED USING 1800 'FB' EXTREME FIBER IN BENDING (SINGLE) 90 'FV' HORIZONTAL SHEAR 16E 'E' MODULES OF ELASTICITY
3. JOIST, RAFTERS, LINTELS, ETC. WERE SIZED USING: 1200 'FB' EXTREME FIBER IN BENDING (SINGLE) 90 'FV' HORIZINTAL SHEAR 1200 'FB' EXTREME FIBER IN BENDING (SINGLE) 16E 'E' MODULES OF ELASTICITY



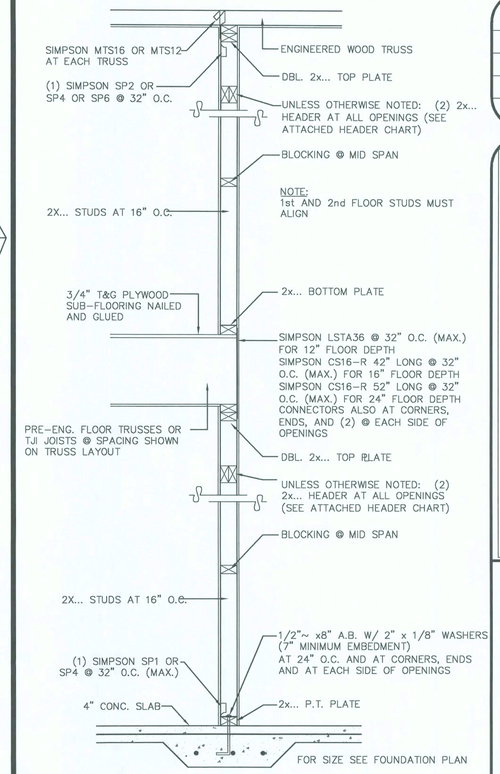
WHERE SP4 IS NOT USED, USE THE FOLOWING CONNECTORS:
SECOND STORY APPLICATION = MSTAM36 @ EA. STUD w/ (13) 10d NAILS & (8) 3/16"x 1/4" TAPCON.
FIRST STORY APPLICATION = HD5A w/ (2) 3/4" THROUGH BOLTS THROUGH ALL JACKSAND (1) 5/8" ANCHOR BOLT



F-5 TOP PLATE SPLICE DETAIL



F-26 TYPICAL WINDOW/DOOR ATTACHMENTS TO WOOD FRAME



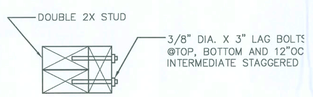
F-16 INTERIOR 2-STORY BEARING WALL SECTION

REVISIONS	BY

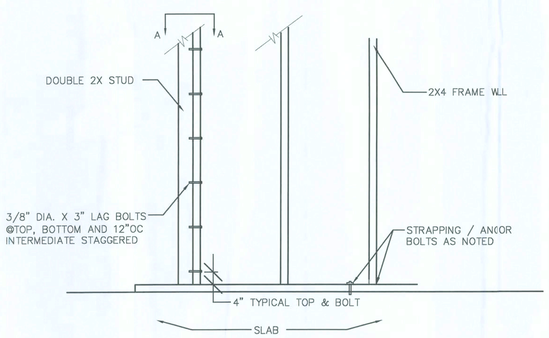
THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA RESIDENTIAL CODE, 2007 SUPPLEMENT AND COMPLIES WITH SECTION R301.1
DESIGN CRITERIA:
BASIC WIND SPEED = 120 MPH
WIND IMPORTANCE FACTOR, I_w = 1.0
WIND EXPOSURE CATEGORY = B
INTERNAL PRESSURE COEFFICIENT = +/-0.18 FULLY ENCLOSED
GARAGE DOOR PRESSURE= +22.8 -25.8 (WORST CASE)
WIND PRESSURES FOR COMPONENTS AND CLADDING FOR WALL ELEMENTS SHALL BE (+) 25.9 & (-) 34.7 PSF (WORST CASE)

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE. – WINTER PARK, FL – 32789
PHONE: (407)-644-5859
FAX: (407)-647-5758
EMAIL: mick@silvestre-engineering.com

SED



SECTION A-A



F-27 FRAME WALL TO FRAME WALL CONNECTION

SED
CERTIFICATE OF AUTHORIZATION # 9144

SILVESTRE ENGINEERING & DESIGN
1801 OGLESBY AVE.
WINTER PARK, FL. 32789
ORLANDO: (407) 644-5859

KENNETH W. SCHRAW LICENSE No 17402 APR 04 2008 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NAME	McINTOSH RESIDENCE

S-4
OF SHEET

Simpson Strong-Tie Florida Statewide Product Approval Index 5-26-05
Products listed in alphabetical order Page 1

Product	Florida #	Product	Florida #
A21	FL474.1	CBQ46-SDS2	FL1218.4
A23	FL474.2	CBQ66-SDS2	FL1218.5
A34	FL474.3	CBS44	FL474.43
A35	FL474.4	CBS46	FL474.44
A35F	FL474.5	CBS66	FL474.45
AB44	FL474.6	CBSQ44-SDS2	FL1218.6
AB44R	FL474.7	CBSQ46-SDS2	FL1218.7
AB46	FL474.8	CBSQ66-SDS2	FL1218.8
AB46R	FL474.9	CC106	FL1218.9
AB66	FL474.10	CC3 1/4-4	FL1218.10
AB66R	FL474.11	CC3 1/4-6	FL1218.11
ABA44	FL474.12	CC44	FL1218.12
ABA44R	FL474.13	CC46	FL1218.13
ABA46	FL474.14	CC5 1/4-4	FL1218.14
ABA46R	FL474.15	CC5 1/4-6	FL1218.15
ABA66	FL474.16	CC5 1/4-8	FL1218.16
ABA66R	FL474.17	CC64	FL1218.17
ABE44	FL474.18	CC66	FL1218.18
ABE46	FL474.19	CC68	FL1218.19
ABE66	FL474.20	CC76	FL1218.20
ABU44	FL474.21	CC77	FL1218.21
ABU46	FL474.22	CC78	FL1218.22
ABU66	FL1725.1	CC86	FL1218.23
ABU88	FL1725.2	CC88	FL1218.24
AC4	FL474.23	CC96	FL1218.25
AC6	FL474.24	CC98	FL1218.26
ACE4	FL474.25	CCQ3-4-SDS2.5	FL1218.27
ACE6	FL474.26	CCQ3-6-SDS2.5	FL1218.28
AT	FL2304.1	CCQ44-SDS2.5	FL1218.29
B Series	FL1218.2	CCQ46-SDS2.5	FL1218.30
BC4	FL474.27	CCQ48-SDS2.5	FL1218.31
BC46	FL474.28	CCQ5-4-SDS2.5	FL1218.32
BC4R	FL474.29	CCQ5-6-SDS2.5	FL1218.33
BC6	FL474.30	CCQ5-8-SDS2.5	FL1218.34
BC6R	FL474.31	CCQ64-SDS2.5	FL1218.35
BC8	FL474.32	CCQ66-SDS2.5	FL1218.36
BCS2-2/4	FL503.1	CCQ68-SDS2.5	FL1218.37
BCS2-3/6	FL503.2	CCQ74-SDS2.5	FL1218.38
CB1010	FL474.33	CCQ76-SDS2.5	FL1218.39
CB1012	FL474.34	CCQ77-SDS2.5	FL1218.40
CB1212	FL474.35	CCQ78-SDS2.5	FL1218.41
CB44	FL474.36	CJT3	FL1463.1
CB46	FL474.37	CJT4	FL1463.2
CB48	FL474.38	CJT5	FL1463.3
CB66	FL474.39	CJT6	FL1463.4

Simpson Strong-Tie Florida Statewide Product Approval Index 5-26-05
Products listed in alphabetical order Page 2

Product	Florida #	Product	Florida #
CS16	FL1901.4	FGTR	FL3750.1
CS18	FL1901.5	FGTRE	FL3750.2
CS20	FL1901.6	FGTRHL	FL3750.3
CS22	FL1901.7	FGTRHR	FL3750.4
CWB106	FL474.49	FHA12	FL1901.8
CWB126	FL474.50	FHA18	FL1901.9
DBT1	FL474.51	FHA24	FL1901.10
DIA	FL402.1	FHA30	FL1901.11
DJT14	FL474.57	FHA6	FL1901.12
DPT5	FL474.58	FHA9	FL1901.13
DPT6	FL474.59	FJA	FL474.98
DPT7	FL474.60	FSA	FL474.99
DRT8	FL474.61	FTA2	FL1218.45
DSP	FL1423.1	FTA5	FL1218.46
EG5	FL1218.42	FTA7	FL1218.47
EG7	FL1218.43	GA1	FL503.3
EG9	FL1218.44	GA2	FL503.4
EPB44	FL474.62	GB Series	FL1218.48
EPB44A	FL474.63	GBC	FL3751.1
EPB44T	FL474.64	GH46-6	FL474.100
EPB46	FL474.65	GH46-8	FL474.101
EPB66	FL474.66	GH48-6	FL474.102
EPC44	FL474.67	GH48-8	FL474.103
EPC44-16	FL474.68	GLB5A	FL1218.49
EPC46	FL474.69	GLB5B	FL1218.50
EPC46-16	FL474.70	GLB5C	FL1218.51
EPC48	FL474.71	GLB5D	FL1218.52
EPC48-16	FL474.72	GLB7A	FL1218.53
EPC64	FL474.73	GLB7B	FL1218.54
EPC64-16	FL474.74	GLB7C	FL1218.55
EPC66	FL474.75	GLB7D	FL1218.56
EPC66-16	FL474.76	GLBT512	FL1218.57
EPC68	FL474.77	GLBT516	FL1218.58
EPC84	FL474.78	GLBT520	FL1218.59
EPC86	FL474.79	GLBT612	FL1218.60
EPC88	FL474.80	GLBT616	FL1218.61
ET	FL402.2	GLBT620	FL1218.62
F24-2	FL474.81	GLS3-5	FL1218.63
F26-2	FL474.82	GLS3-7	FL1218.64
F26P	FL474.83	GLS3-9	FL1218.65
F34	FL474.84	GLS5-5	FL1218.66
F36	FL474.85	GLS5-7	FL1218.67
F44	FL474.86	GLS7-7	FL1218.68
F46	FL474.87	GLS7-9	FL1218.69
FA	FL474.88	GLST3	FL1218.70

Simpson Strong-Tie Florida Statewide Product Approval Index 5-26-05
Products listed in alphabetical order Page 3

Product	Florida #	Product	Florida #
GLTV5.5	FL474.105	HD6A	FL503.12
GT2	FL474.106	HD8A	FL503.13
GTF	FL474.107	HDC10/22-SDS2.5	FL1463.21
H1	FL474.108	HDC10/4-SDS2.5	FL1463.22
H10	FL474.109	HDC5/22-SDS2.5	FL1463.23
H10-2	FL474.110	HDC5/4-SDS2.5	FL1463.24
H10R	FL474.111	HDQ8-SDS3	FL1463.25
H14	FL1423.2	HETA12	FL1901.14
H15	FL474.112	HETA16	FL1901.15
H15-2	FL474.113	HETA20	FL1901.16
H16	FL1423.3	HETA24	FL1901.17
H16-2	FL1423.4	HETA40	FL1901.18
H16-2S	FL1423.5	HETAL12	FL1901.19
H16S	FL1423.6	HETAL16	FL1901.20
H2	FL474.114	HETAL20	FL1901.21
H2.5	FL474.115	HF24N	FL1218.75
H2.5A	FL503.5	HF26N	FL1218.76
H3	FL474.116	HFA6	FL474.130
H4	FL474.117	HFA8	FL474.131
H5	FL474.118	HGA10	FL1423.8
H6	FL474.119	HGAM10	FL1423.9
H7	FL474.120	HGB Series	FL1218.77
H8	FL1423.7	HGLBA	FL1218.78
H8 Series	FL1218.74	HGLBB	FL1218.79
HCA11-5	FL1463.5	HGLBC	FL1218.80
HCA11-6	FL1463.6	HGLBD	FL1218.81
HCA11-7	FL1463.7	HGLS5	FL1218.82
HCA11-9	FL1463.8	HGLS7	FL1218.83
HCA5-5	FL1463.9	HGLS9	FL1218.84
HCA5-6	FL1463.10	HGLST5	FL1218.85
HCA5-7	FL1463.11	HGLST7	FL1218.86
HCA5-9	FL1463.12	HGLST9	FL1218.87
HCA7-5	FL1463.13	HGLT Series	FL1218.88
HCA7-6	FL1463.14	HGLTV3.5	FL474.132
HCA7-7	FL1463.15	HGLTV5.5	FL474.133
HCA7-9	FL1463.16	HGT-2	FL474.134
HCA9-5	FL1463.17	HGT-3	FL474.135
HCA9-6	FL1463.18	HGT-4	FL474.136
HCA9-7	FL1463.19	HGUQ210-2	FL3750.5
HCA9-9	FL1463.20	HGUQ210-3	FL3750.6
HCP1.81	FL474.121	HGUQ210-4	FL3750.7
HCP2	FL474.122	HGUQ26-2	FL3750.8
HCP4	FL474.123	HGUQ26-3	FL3750.9
HD10A	FL503.6	HGUQ26-4	FL3750.10
HD14A	FL503.7	HGUQ28-2	FL3750.11

Simpson Strong-Tie Florida Statewide Product Approval Index 5-26-05
Products listed in alphabetical order Page 4

Product	Florida #	Product	Florida #
HGUQ48	FL3750.16	HHETA24	FL1901.25
HGUS2.75/10	FL3750.17	HHETA40	FL1901.26
HGUS2.75/12	FL3750.18	HHUS210-2	FL3750.59
HGUS2.75/14	FL3750.19	HHUS210-3	FL3750.60
HGUS210-2	FL3750.20	HHUS210-4	FL3750.61
HGUS210-3	FL3750.21	HHUS26-2	FL3750.62
HGUS210-4	FL3750.22	HHUS28-2	FL3750.63
HGUS212-3	FL3750.23	HHUS410	FL3750.64
HGUS212-4	FL3750.24	HHUS46	FL3750.65
HGUS214-3	FL3750.25	HHUS48	FL3750.66
HGUS214-4	FL3750.26	HHUS5.50/10	FL3750.67
HGUS26	FL3750.27	HHUS7.25/10	FL3750.68
HGUS26-2	FL3750.28	HIT318	FL474.151
HGUS26-3	FL3750.29	HIT320	FL474.152
HGUS26-4	FL3750.30	HIT322	FL474.153
HGUS28	FL3750.31	HIT324	FL474.154
HGUS28-2	FL3750.32	HIT326	FL474.155
HGUS28-3	FL3750.33	HIT3518	FL474.156
HGUS28-4	FL3750.34	HIT3520	FL474.157
HGUS3.25/10	FL3750.35	HIT3522	FL474.158
HGUS3.25/12	FL3750.36	HIT3524	FL474.159
HGUS410	FL3750.37	HIT3526	FL474.160
HGUS412	FL3750.38	HIT418	FL474.161
HGUS414	FL3750.39	HIT420	FL474.162
HGUS46	FL3750.40	HIT422	FL474.163
HGUS48	FL3750.41	HIT424	FL474.164
HGUS5.25/10	FL3750.42	HIT426	FL474.165
HGUS5.25/12	FL3750.43	HM9	FL1423.10
HGUS5.50/10	FL3750.44	HPA28	FL474.166
HGUS5.50/12	FL3750.45	HPA35	FL474.167
HGUS5.50/14	FL3750.46	HPAHD22	FL1218.90
HGUS5.62/10	FL3750.47	HPAHD22-2P	FL1218.91
HGUS5.62/12	FL3750.48	HRC22	FL474.169
HGUS5.62/14	FL3750.49	HRC42	FL474.170
HGUS6.88/10	FL3750.50	HRC44	FL474.171
HGUS6.88/12	FL3750.51	HRS12	FL1901.27
HGUS6.88/14	FL3750.52	HRS6	FL1901.28
HGUS7.25/10	FL3750.53	HRS8	FL1901.29
HGUS7.25/12	FL3750.54	HS24	FL474.172
HGUS7.25/14	FL3750.55	HSA32	FL474.173
HGUS7.37/10	FL3750.56	HSA41	FL474.174
HGUS7.37/12	FL3750.57	HSA50	FL474.175
HGUS7.37/14	FL3750.58	HSA59	FL474.176
HH4	FL474.143	HSA68	FL474.177
HH6	FL474.144	HSS2	FL474.178

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Product	Florida #	Product	Florida #
HST3	FL474.182	HU216-3TF	FL1218.115
HST5	FL474.183	HU216TF	FL1218.116
HST6	FL474.184	HU24-2	FL1218.117
HSUL	FL1218.92	HU24-2TF	FL1218.118
HSUR	FL1218.174	HU24TF	FL1218.119
HSUR/L210-2	FL503.14	HU26	FL1218.120
HSUR/L214-2	FL503.15	HU26-2	FL1218.121
HSUR/L26-2	FL503.16	HU26-2TF	FL1218.122
HSUR/L410	FL503.17	HU26TF	FL1218.123
HSUR/L414	FL503.18	HU28	FL1218.124
HSUR/L46	FL503.19	HU28-2	FL1218.125
HTS16	FL538.8	HU28-2TF	FL1218.126
HTS20	FL538.9	HU28TF	FL1218.127
HTS24	FL538.10	HU310	FL1218.128
HTS28	FL538.11	HU310-2	FL1218.129
HTS30	FL538.12	HU310TF	FL1218.130
HTS30C	FL538.13	HU312	FL1218.131
HTSM16	FL1423.11	HU312-2	FL1218.132
HTSM20	FL1423.12	HU312TF	FL1218.133
HTT16	FL503.20	HU314	FL1218.134
HTT22	FL503.21	HU314-2	FL1218.135
HTU210	FL3750.69	HU314TF	FL1218.136
HTU210-2	FL3750.70	HU316	FL1218.137
HTU26	FL3750.71	HU316TF	FL1218.138
HTU26-2	FL3750.72	HU34	FL1218.139
HTU28	FL3750.73	HU34TF	FL1218.140
HTU28-2	FL3750.74	HU3514-2	FL1218.141
HU14	FL1218.93	HU3516/22	FL1218.142
HU210	FL1218.94	HU3516-2	FL1218.143
HU210-2	FL1218.95	HU36	FL1218.144
HU210-2TF	FL1218.96	HU36TF	FL1218.145
HU210-3	FL1218.97	HU38	FL1218.146
HU210-3TF	FL1218.98	HU38TF	FL1218.147
HU210TF	FL1218.99	HU410	FL1218.148
HU212	FL1218.100	HU410TF	FL1218.149
HU212-2	FL1218.101	HU412	FL1218.150
HU212-2TF	FL1218.102	HU412TF	FL1218.151
HU212-3	FL1218.103	HU414	FL1218.152
HU212-3TF	FL1218.104	HU414TF	FL1218.153
HU212TF	FL1218.105	HU416	FL1218.154
HU214	FL1218.106	HU416TF	FL1218.155
HU214-2	FL1218.107	HU44	FL1218.156
HU214-2TF	FL1218.108	HU44TF	FL1218.157
HU214-3	FL1218.109	HU46	FL1218.158
HU214-3TF	FL1218.110	HU46TF	FL1218.159

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Product	Florida #	Product	Florida #
HU612	FL1218.164	IUS1.81/11.88	FL1463.28
HU612TF	FL1218.165	IUS1.81/14	FL1463.29
HU614	FL1218.166	IUS1.81/9.5	FL1463.30
HU614TF	FL1218.167	IUS2.37/11.88	FL1463.31
HU616	FL1218.168	IUS2.37/14	FL1463.32
HU616TF	FL1218.169	IUS2.37/16	FL1463.33
HU66	FL1218.170	IUS2.56/11.88	FL1463.34
HU66TF	FL1218.171	IUS2.56/14	FL1463.35
HU68	FL1218.172	IUS2.56/16	FL1463.36
HU68TF	FL1218.173	IUS2.56/9.5	FL1463.37
HUS1.81/10	FL3750.75	IUS3.56/11.88	FL1463.38
HUS210	FL3750.76	IUS3.56/14	FL1463.39
HUS210-2	FL3750.77	IUS3.56/16	FL1463.40
HUS210-2TF	FL474.187	IUT	FL474.216
HUS212	FL474.188	J57	FL474.217
HUS212-2	FL3750.78	J813	FL474.218
HUS212-2TF	FL474.190	JB210	FL474.219
HUS214-2TF	FL474.191	JB212	FL474.220
HUS26	FL3750.79	JB214	FL474.221
HUS26-2	FL3750.80	JB26	FL474.222
HUS26-2TF	FL474.194	JB28	FL474.223
HUS28	FL3750.81	JP44	FL474.224
HUS28-2	FL3750.82	L30	FL474.225
HUS28-2TF	FL474.197	L50	FL474.226
HUS410	FL3750.83	L70	FL474.227
HUS410TF	FL474.199	L90	FL474.228
HUS412	FL3750.84	LB210	FL474.229
HUS412TF	FL474.201	LB212	FL474.230
HUS414TF	FL474.202	LB214	FL474.231
HUS46	FL3750.85	LB216	FL474.232
HUS46TF	FL474.204	LB26	FL474.233
HUS48	FL3750.86	LB28	FL474.234
HUS48TF	FL474.206	LBV Series	FL1218.177
HUSC210-2	FL474.207	LCB44	FL474.235
HUSC212-2	FL474.208	LCB46	FL474.236
HUSC26-2	FL474.209	LCB66	FL474.237
HUSC28-2	FL474.210	LEG3	FL1218.178
HUSC410	FL474.211	LEG5	FL1218.179
HUSC412	FL474.212	LEG7	FL1218.180
HUSC46	FL474.213	LFTA	FL474.238
HUSC48	FL474.214	LGT2	FL1423.13
HW Series	FL1218.175	LPC4	FL474.239
HWU Series	FL1218.176	LPC6	FL474.240
ICFLC	FL1725.3	LS30	FL474.241
ICFLC-CW	FL1725.4	LS50	FL474.242

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Product	Florida #	Product	Florida #
LSSU28	FL474.247	LUS26-3	FL3750.95
LSSU410	FL474.248	LUS28	FL3750.96
LSSU125	FL474.249	LUS28-2	FL3750.97
LSSU135	FL474.250	LUS28-3	FL3750.98
LSTA12	FL1901.30	LUS310	FL3750.99
LSTA15	FL1901.31	LUS36	FL3750.100
LSTA18	FL1901.32	LUS38	FL2361.8
LSTA21	FL1901.33	LUS410	FL3750.101
LSTA24	FL1901.34	LUS414	FL3750.102
LSTA30	FL1901.35	LUS44	FL3750.103
LSTA36	FL1901.36	LUS46	FL3750.104
LSTA9	FL1901.37	LUS48	FL3750.105
LSTHD8	FL503.22	LUSC210-2	FL474.293
LSTHD8RJ	FL503.23	LUSC214-2	FL474.294
LSTI49	FL1901.38	LUSC24-2	FL474.295
LSTI73	FL1901.39	LUSC26-2	FL474.296
LSU26	FL474.252	LUSC28-2	FL474.297
LTA1	FL1423.14	LUSC410	FL474.298
LTB20	FL474.253	LUSC414	FL474.299
LTB40	FL474.254	LUSC44	FL474.300
LTHJA26	FL3751.2	LUSC46	FL474.301
LTHJL	FL474.255	LUSC48	FL474.302
LTHJR	FL474.256	MA4	FL474.303
LTHMA	FL474.257	MA6	FL474.304
LTP4	FL474.258	MAB15	FL474.305
LTS12	FL474.259	MAB23	FL474.306
LTS16	FL474.260	MA5	FL474.307
LTS18	FL474.261	MASB	FL503.24
LTS20	FL474.262	MBHA3.12/11.25	FL538.16
LTT19	FL474.263	MBHA3.12/9.25	FL538.17
LTT20B	FL474.264	MBHA3.56/11.25	FL538.18
LTTI31	FL474.265	MBHA3.56/11.88	FL538.19
LU210	FL474.266	MBHA3.56/14	FL538.20
LU24	FL474.267	MBHA3.56/16	FL538.21
LU26	FL474.268	MBHA3.56/18	FL538.22
LU28	FL474.269	MBHA3.56/9.25	FL538.23
LUP210	FL474.270	MBHA5.50/11.25	FL538.24
LUP24	FL474.271	MBHA5.50/11.88	FL538.25
LUP26	FL474.272	MBHA5.50/14	FL538.26
LUP28	FL474.273	MBHA5.50/16	FL538.27
LUS210	FL3750.87	MBHA5.50/18	FL538.28
LUS210-2	FL3750.88	MBHA5.50/9.25	FL538.29
LUS210-3	FL3750.89	MEG5	FL1218.181
LUS212	FL474.277	MEG7	FL1218.182
LUS214-2	FL3750.90	META12	FL1901.40

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Product	Florida #	Product	Florida #
META22	FL1901.45	MUS26	FL3750.106
META24	FL1901.46	MUS28	FL3750.107
META40	FL1901.47	NCA	FL474.330
MGT	FL1423.15	PA18	FL474.331
MIT	FL474.308	PA23	FL474.332
MPAI32	FL474.309	PA28	FL474.333
MPAI44	FL474.310	PA35	FL474.334
MSC1.81	FL474.311	PA51	FL474.335
MSC2	FL474.312	PA68	FL474.336
MSC4	FL474.313	PAHD42	FL1218.183
MST27	FL1901.48	PAI18	FL474.337
MST37	FL1901.49	PAI23	FL474.338
MST48	FL1901.50	PAI28	FL474.339
MST60	FL1901.51	PAI35	FL474.340
MST72	FL1901.52	PATM25	FL474.341
MSTA12	FL1901.53	PB44	FL474.342
MSTA15	FL1901.54	PB44R	FL474.343
MSTA18	FL1901.55	PB46	FL474.344
MSTA21	FL1901.56	PB46R	FL474.345
MSTA24	FL1901.57	PB66	FL474.346
MSTA30	FL1901.58	PB66R	FL474.347
MSTA36	FL1901.59	PBS44A	FL474.348
MSTA9	FL1901.60	PBS46	FL474.349
MSTAM24	FL1901.61	PBS66	FL474.350
MSTAM36	FL1901.62	PC44	FL474.351
MSTC28	FL1901.63	PC44-16	FL474.352
MSTC40	FL1901.64	PC46	FL474.353
MSTC48B3	FL1901.65	PC46-16	FL474.354
MSTC52	FL1901.66	PC48	FL474.355
MSTC66	FL1901.67	PC48-16	FL474.356
MSTC66B3	FL1901.68	PC64	FL474.357
MSTC78	FL1901.69	PC64-16	FL474.358
MSTCM40	FL1901.70	PC66	FL474.359
MSTI26	FL1901.71	PC66-16	FL474.360
MSTI36	FL1901.72	PC68	FL474.361
MSTI48	FL1901.73	PC84	FL474.362
MSTI60	FL1901.74	PC86	FL474.363
MSTI72	FL1901.75	PC88	FL474.364
MTS12	FL474.325	PCT18	FL1463.41
MTS16	FL474.326	PCT23	FL1463.42
MTS18	FL474.327	PCT27	FL1463.43
MTS20	FL474.328	PCT38	FL1463.44
MTS24C	FL1423.16	PF24	FL474.365
MTS28C	FL1423.17	PF24A	FL474.366
MTS30	FL474.329	PF26	FL474.367

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Product	Florida #	Product	Florida #
PHD2	FL503.27	ST6236	FL1901.88
PHD5	FL503.26	ST9	FL1901.89
PHD6	FL503.28	STHD10	FL503.33
PHD8	FL503.29	STHD10RJ	FL503.34
PVB110	FL474.372	STHD14	FL503.35
PVB6	FL474.373	STHD14RJ	FL503.36
RCWB10	FL474.374	STHD8	FL503.37
RCWB12	FL474.375	STHD8RJ	FL503.38
RCWB14	FL474.376	STR 1/2	FL3746.1
RPS18	FL1901.76	STR 5/8	FL3746.2
RPS22	FL1901.77	STR 5/8L	FL3746.3
RPS28	FL1901.78	STR System	FL3746.4
RR	FL474.377	STRR 1/2	FL3746.5
RSP4	FL474.378	STRR 5/8	FL3746.6
RTC24	FL474.379	SUL	FL1218.184
RTC42	FL474.380	SULI	FL1218.185
RTC44	FL474.381	SUR	FL1218.186
SA36	FL474.383	SURI	FL1218.187
SDS¼X1½	FL1463.45	TBE4	FL503.39
SDS¼X2	FL1463.46	TBE6	FL503.40
SDS¼X2½	FL1463.47	TC24	FL474.404
SDS¼X3	FL1463.48	TC26	FL474.405
SDS¼X3½	FL1463.49	THA213	FL474.406
SDS¼X4½	FL1463.50	THA218	FL474.407
SDS¼X6	FL1463.51	THA218-2	FL474.408
SET	FL402.3	THA222-2	FL474.409
Sleeve-All	FL402.4	THA29	FL474.410
SP1	FL474.384	THA413	FL474.411
SP2	FL474.385	THA418	FL474.412
SP4	FL474.386	THA422	FL474.413
SP6	FL474.387	THA422-2	FL2361.9
SP8	FL474.388	THAC418	FL1725.7
SPH4	FL538.34	THAC422	FL2361.10
SPH6	FL538.35	THAC422-2	FL2361.11
SPH8	FL538.36	THAI	FL474.414
SS1.5	FL474.389	THAL422	FL3751.3
SS2.5	FL474.390	THAR422	FL3751.4
SS3	FL474.391	THASL218	FL2361.12
SS4.5	FL474.392	THASL218-2	FL2361.13
SSP	FL1423.21	THASR218	FL2361.14
ST12	FL1901.79	THASR218-2	FL2361.15
ST18	FL1901.80	THD	FL2304.2
ST2115	FL1901.81	THG2A	FL474.415
ST2122	FL1901.82	THG2AL	FL474.416
ST22	FL1901.83	THG2AR	FL474.417

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Product	Florida #	Product	Florida #
THJR-2	FL474.422	U46	FL1218.214
THMA	FL474.423	U46R	FL1218.215
THMA-2	FL474.424	U610	FL1218.216
TSB2-24	FL3751.5	U610R	FL1218.217
TWB10	FL474.425	U66	FL1218.218
TWB12	FL474.426	U66R	FL1218.219
TWB14	FL474.427	VB10	FL474.429
U Hangers	FL474.428	VB12	FL474.430
U14	FL1218.188	VB5	FL474.431
U210	FL1218.189	VB7	FL474.432
U210-2	FL1218.190	VB8	FL474.433
U210-3	FL1218.191	VPA2	FL474.434
U210R	FL1218.192	VPA2-2	FL474.435
U214	FL1218.193	VPA25	FL474.436
U24	FL1218.194	VPA3	FL474.437
U24-2	FL1218.195	VPA35	FL474.438
U24R	FL1218.196	VPA4	FL474.439
U26	FL1218.197	VTC2	FL3751.6
U26-2	FL1218.198	W Series	FL1218.220
U26-3	FL1218.199	WB106	FL474.440
U26R	FL1218.200	WB106C	FL474.441
U310	FL1218.201	WB126	FL474.442
U314	FL1218.202	WB126C	FL474.443
U34	FL1218.203	WB143C	FL474.444
U3510/14	FL1218.204	WM	FL474.445
U3510-2	FL1218.205	WNP Series	FL1218.221
U3512-2	FL1218.206	WNPU Series	FL1218.222
U3516/18	FL1218.207	WPU Series	FL1218.223
U36	FL1218.208	Z4	FL474.446
U410	FL1218.209	Z44	FL474.447
U410R	FL1218.210	Z6	FL474.448
U414		FL1218.211	
U44		FL1218.212	
U44R		FL1218.213	

ENGINEERED LUMBER	
MANUFACTURER	FLORIDA NUMBER
GEORGIA-PACIFIC CORP.	FL2023-R1
GEORGIA-PACIFIC CORP.	FL2147-R1

LINTELS	
MANUFACTURER	FLORIDA NUMBER
QUALITY PRECAST	FL5092
QUALITY PRECAST	FL1774-R1
QUALITY PRECAST	FL1418-R1

SED

CERTIFICATE OF AUTHORIZATION # 9144

SILVESTRE ENGINEERING & DESIGN
1801 OGLESBY AVE.
WINTER PARK, FL. 32789
ORLANDO: (407) 644-5859

KENNETH W SCHRAM
LICENSE
No 17402
APR 04 2008
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REVISIONS	BY

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2004 FLORIDA RESIDENTIAL BUILDING CODE, 2004 EDITION, WITH 120 MPH ULTIMATE WIND SPEED AND COMPLIES WITH SECTION R301.1
DESIGN CRITERIA: WIND LOADING CRITERIA IS GOVERNED BY ASCE 7-02.
BASIC WIND SPEED = 120 MPH
IMPORTANCE FACTOR, I = 1.0
WIND EXPOSURE CATEGORY = B
INTERNAL PRESSURE COEFFICIENT = +/-0.18 FULLY ENCLOSED
GARAGE WALL PRESSURE= +22.8 -25.8 (WORST CASE)
GARAGE DOOR PRESSURE= +22.8 -25.8 (WORST CASE)
WIND PRESSURES FOR COMPONENTS AND CLADDING FOR WALL ELEMENTS SHALL BE (+) 25.9 & (-) 34.7 PSF (WORST CASE)

SILVESTRE ENGINEERING & DESIGN, INC.
1801 OGLESBY AVE - WINTER PARK, FL - 32789
PHONE: (407)-644-5859
FAX: (407)-647-5758
EMAIL: mick@silvestre-engineering.com

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SCALE

JOB NAME
McINTOSH RESIDENCE

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OF SHEET