

THESE PLANS MEET THE MINIMUM REQUIREMENTS OF THE 2004 FLORIDA BUILDING CODE
INCLUDING CURRENT REVISIONS OF RESIDENTIAL R-301.

- DESIGN SOIL BEARING PRESSURE = 2000 PSF

VERIFY LOCATION OF BUILDING AT SITE USING OWNERS APPROVED PLOT PLAN AND ADJUST CONCRETE FOOTING, SLAB, LANDING, AND STEPS, AS GRADE REQUIRES. IF CONFLICTS BETWEEN EXISTING SITE CONDITIONS AND APPROVED PLOT PLAN ARISE, CONTACT BUILDER.

3. PREPARE SOIL TO RECEIVE 4" CONCRETE SLAB W/ WIRE MESH OVER 6 MIL VAPOR BARRIER AND CLEAN, WELL COMPACTED, TERMITED TREATED FILL.
4. ALL FOOTINGS TO BE 16" W X 8" D W/ 2 #5 REBAR CONTINUOUS (UNLESS NOTED).
5. ALL THICKENED SLABS (BELL FOOTING) TO BE: 12" W X 20" D W/ 2 #5 REBAR CONTINUOUS (PLACE UPLIFT STRAPPING OR ANCHORS AS MAY BE REQUIRED PER CODE).
6. ALL COLUMN PAD TO BE 24" X 24" X12" W/ 3-5 REBAR EACH WAY (UNLESS NOTED).
7. ALL THICKENED EDGE SLABS TO BE 12" X12" W/ (1) #5 REBAR.
8. THICKENED SLAB AT FLOOR ELEVATION CHANGE: IS TO BE 8" D X16" W/ 2-#5 REBAR CONTINUOUS.
9. FILL CORE WITH CONCRETE AND PLACE (1) #5 REBAR VERTICAL FROM FOOTING TO T-BEAM.
10. PITCH SLAB AT GRADE AT 1" IN10' TYPICAL (N) (DIRECTION OF ARROW).
11. RECESSED FLOOR SLAB 3/4" AT ALL SLIDING GLASS DOORS AND EXTEND SLAB 1/2" PAST BLOCK FACE.
12. EXTEND SLAB EDGE AT EXTERIOR DOORS 1/2" PAST BLOCK FACE.
13. SUNKEN SHOWER TO BE 4" CONCRETE RECESSED SLAB W/ 6X6 #10 W.W. MESH (OR FIBER MESH).
14. AIR CONDITIONER COMPRESSOR PAD SHALL BE: 3'X4'X4" PLACED 8" FROM WALL, TYPICAL OR AS PLANS.
15. ALL STONE OR BRICK VINER FOOTINGS TO BE: 22" W X10" D W/ 3-#5 REBARS CONTINUOUS.
16. ALL FOOTING FOR 2 STORY TO BE 20" W X10" D W/ 3-#5 REBAR CONTINUOUS.
17. ALL THICKENED SLAB (BELL FOOTING) W/ 2 STORIES BEARING TO BE 20" W X 20" D W/ 3-#5 REBARS (PLACE UPLIFT STRIPS OR ANCHORS AS MAY BE REQUIRED PER CODE).
18. THICKENED SLAB (BELL FOOTING) WHERE AT BEARING WALL OCCURS AT CHANGE IN FLOOR ELEVATION SHALL BE A MIN. 16" D X16" W CONTINUOUS.
19. SOIL BEARING CAPACITY SHALL BE A MIN. OF 22500 PSF IF NOT, NOTIFY ENGINEER IMMEDIATELY FOR REVIEW OF FOUNDATION DESIGN.

1. ALL FRAMING MEMBERS SHALL BE WOOD MEMBERS WITH PROPERTIES EQUAL TO OR BETTER THAN THOSE GIVEN BY THE SOUTHERN PINE INSITU BUREAU FOR SURFACED DRESSED SOUTHERN PINE NO.2 (MINIMUM ALLOWABLE BENDING STRESS - 1290PSI FOR SINGLE MEMBERS USES AND 1400 PSI FOR REPETITIVE MEMBER USES, MODULES OF ELASTICITY - 1,600,000 PSI)
2. ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESURE TREATED.
3. ALL ROOF RAFTERS AND PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALL OR BEAMS WITH HURRICANE CLIPS OR ANCHORS AS NOTED.
4. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER" AND IT'S FASTENERS AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION
5. TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND DESIGN NOTE WITH AN ENGINEER SEAL FOR APPROVAL. DESIGN NOTES ARE TO INCLUDE THE RATED LOAD CAPACITY OF THE CONNECTORS USED TO SECURE THE MEMBERS, CERTIFICATION OF THE CONNECTOR CAPACITY'S AND MANUFACTURER'S LICENSE TO FABRICATE TRUSSES UTILIZING THE CONNECTORS SYSTEM PROPOSED.
7. BRIDGING FOR PRE-ENGINEERED TRUSS SHALL BE AS REQUIRED BY TRUSS MANUFACTURER IN ADDITION TO MEMBER SHOW ON DRAWINGS.
8. ROOF DECKS SHALL BE 1/2" PLYWOOD OR GOSB FOR FIBERGLASS SHINGLE ROOFS AND 5/8" PLYWOOD FOR CONCRETE OR CLAY TILE ROOFS. USE 8D NAILS WITH 6" SPACING AT ALL PANEL EDGES AND 6" SPACING INTERMEDIATE SUPPORTS. PROVIDE PLY CLIPS AT UNSUPPORTED EDGES.
9. ALL WOOD FRAME DETAILS SHALL BE IN ACCORDANCE WITH "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" LATEST EDITION, NATIONAL FOREST PRODUCTS ASSOCIATION, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
10. ROOF LIVE LOAD = 20 PSF. ROOF DEAD LOAD = 20 PSF
11. GABLE ENDWALLS ADJACENT TO CATHEDRAL (CEILING) ARE REQUIRED TO BE CONTINUOUS FROM FLOOR TO ROOF DIAPHRAGM.

1. PROVIDE PLUMBING FIXTURES, AS SELECTED BY PRACTICAL CONST. COMPLETE WITH ALL TRIM TRAPS, STOP VALVES, SUPPLIES AND ESCUTCHEONS.
2. ALL PLUMBING SHALL BE IN STRICT ACCORDANCE WITH STANDARD PLUMBING CODES AND LOCAL ORDINANCES.
3. SOIL, WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC.
4. ALL WATER PIPING SHALL BY TYPE "M" WITH 595-5 SOLDERED JOINTS OR C.P.V.C.
5. COPPER PIPING UNDERGROUND AND IN CONTACT WITH DISSIMILAR METALS SHALL BE COATED WITH TAR ENAMEL, AWWA-C-203 OR EQUAL.
6. PROVIDE INDIVIDUAL WATER STOPS AT ALL WATER CLOSETS, LAVATORIES AND KITCHEN SINK INSTALLATIONS.
7. RUN ALL PIPES CONCEALED IN WALL, FLOORS, ABOVE CEILINGS OR BELOW GRADE.
8. VERIFY ALL ROUGH IN REQUIREMENTS WITH THE FIXTURES THAT ARE SELECTED.
9. COORDINATE ALL WORK WITH TRADES.
10. PROVIDE FULL SIZE PIPING FROM HOT WATER P&T VALVE TO EXTERIOR.
11. WATER PIPING RUN THROUGH CONCRETE OR MASONRY SHALL BE WRAPPED WITH 10-MIL VINYL PLUMBING TAPE.
12. HOT WATER PIPING SHALL BE INSULATED IN ACCORDANCE WITH COUNTY WIDE ENERGY CODE.
13. 40 GALLON WATER HEATER.
14. TANK TYPE WATER CLOSET VOLUME 1.5 GALLONS.
15. WATER FLOW RATE, SHOWER HEADS 2.5 GPM/IN PRIVATE FACILITIES 2.2GPM
16. PLUMBERS MUST USE A METAL OR PLASTIC MATERIAL TO BOX OUT AREAS IN CONCRETE WHERE DRAINS ARE TO BE INSTALLED.
17. THERMAL EXPANSION PROTECTION IS REQUIRED WHEN THE WATER SERVICE IS EQUIPPED WITH A BACKFLOW PREVENTION DEVICE.
18. ALL BACKFLOW PREVENTION DEVICES ARE REQUIRED TO BE TESTED AND TEST RESULTS SUBMITTED TO THE BUILDING DEPARTMENT BEFORE THE CERTIFICATE OF OCCUPANCY IS ISSUED.
19. IN GARAGES ALL WATER HEATERS SHALL BE ELEVATED TO ENSURE THAT THE LOWEST IGNITION SOURCE IS 18" ABOVE THE FLOOR INCLUDING ELECTRIC WATER HEATERS.

1. BUILDER WILL VERIFY ALL DIMENSIONS SHOWN ON IMPLIED BEFORE STARTING ANY WORK.
2. BUILDER WILL COMPLY WITH ALL BUILDING CODES BOTH STATE AND LOCAL, AND COMPLY WITH ALL LOCAL AUTHORITIES HAVING JURISDICTION.
3. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND COMPONENT PARTS DURING ERECTION THIS INCLUDES BUT IS NOT LIMITED TO THE ADDITION WHATEVER TEMPORARY BRACING, GUYS, OR THE DOWNS THAT MAY BE NECESSARY, SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT.
4. ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED AND SHALL CONFORM TO THE ARCHITECTURAL DRAWINGS.
5. NAIL AND GLE BLOCKS, THE WOOD BETWEEN THE DOOR JAMB AND THE WALL.
6. THE MULLIONS - STRIPS BETWEEN A SERIES OF WINDOWS - MUST BE CERTIFIED TO WITHSTAND THE DESIGNED WIND CAPACITY.
7. WINDOWS AND GLASS DOORS MUST MEET THE IMPACT STANDARDS. WINDOW MFR. MUST HAVE LABELS ATTACHED LISTING MANUFACTURER, PERFORMANCE CHARACTERISTICS AND CERTIFICATION THAT THEY HAVE BEEN TESTED. LABELS MUST STAY ON UNTIL THE FINAL INSPECTION.
8. WALL SIDING, INCLUDING BRICK FACING, PAINTED BLOCK OR STUCCO, MUST END 6 INCHES ABOVE THE GROUND TO ALLOW FOR FUTURE TERMITE INSPECTIONS. THE CONTRACTOR CAN PAINT THE BARE BAND OR APPLY A PLASTER-LIKE FINISH LESS THAN 5/8 INCH THICK DIRECTLY TO THE FOUNDATION WALL.
9. ANY GLAZING WITHIN 36" HORIZONTALLY AND BELOW 60" OF THE STANDING SURFACE OF BATHTUB, SHOWER, SPAC, SHALL BE SAFETY GLAZED.
10. BATHROOM VENTILATION MUST BE MECHANICALLY EXHAUSTED TO BUILDING EXTERIOR.
11. EQUIPMENT DISCONNECT MUST BE WITHIN SITE.
12. THE EQUIPMENT SERVICE PANEL MUST BE LOCATED WITHIN 6'-0" OF ATTIC ACCESS, IF THE AIR HANDLER UNIT IS IN THE ATTIC.
13. A FLO-AT SWITCH TO SHUT DOWN THE UNIT OR OTHER APPROVED DEVICE TO ALERT THE HOME OWNER THAT THE CONDENSATION DRAIN IS STOPPED UP MUST BE INSTALLED IF THE AIR HANDLER UNIT IS IN THE ATTIC.
16. ALL MECHANICAL EQUIPMENT INCLUDING A/C CONDENSERS, POOL FILTERS AND POOL HEATERS SHALL BE SECURED TO RESIST LOCATION WIND LOADS.

MASONRY NOTES:
1. ALL MASONRY IS TO BE 8" HOLLOW UNITS SHALL CONFORM TO ASTM C90, TYPE NI, WITH A MINIMUM COMPRESSIVE STRENGTH OF 1000 PSI.
2. MORTAR SHALL CONFORM TO ASTM C476, TYPE PL, WITH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI.

CONCRETE NOTES:

1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS
2. ALL REINFORCING STEEL TO BE NEW DOMESTIC DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 40 EXCEPT THAT TIES MAY BE DOMESTIC STEEL CONFORMING TO ASTM A-615 GRADE 40.
3. WELDED WIRE FABRIC SHALL CONFORM TO A-185.
4. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, ANCHOR BOLTS, INSERTS ETC., AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED. NO SLEEVES, OPENINGS OR INSERTS MAY BE PLACED IN BEAMS OR SLABS UNLESS APPROVED BY THE ARCHITECT AND SHOWN ON SHOP DRAWINGS.
5. ALL REINFORCING DETAILS TO CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES ACI 315, UNLESS DETAILED OTHERWISE ON STRUCTURAL DRAWINGS.
6. PROVIDE SPACERS, CHAIRS, BOLTS ETC., AS REQUIRED TO ASSEMBLE, PLACE AND SUPPORT ALL REINFORCING IN PLACE.
7. PROVIDE CORNER BARS FOR ALL FOOTINGS.
8. ALL FOOTING DOWN BAR SHALL HAVE A STANDARD 90 DEGREE BEND AND SHALL BE EMBEDDED 5 INCHES INTO INCH FOOTINGS AND A MINIMUM OF 6 INCHES INTO ALL THE OTHERS. DOWN BAR LAP VERTICAL WALL REINFORCEMENT A MINIMUM OF 25 INCHES.
9. GABLE END WALLS ADJACENT TO CATHEDRAL CEILINGS ARE REQUIRED TO BE CONTINUOUS FROM FLOOR TO ROOF DIAPHRAGM.

date	description	plot	prod.
			drawn
			scale
			1/4" = 1' $\times$ 1'
			date
			1/20/08
			cad
			plot
			1-14B

EDWARD R. RIOPELLE
LOT 10 LITTLE PINE FARMS
FT. WHITE, FLORIDA

DRAWING NO.
ER-1

BULVER:

DESIGNER: DEMCO DRAFTING & DESIGN
38452 6th. AVE.
TEPAPAHULI, S. FLORIDA 33554

OK:

DRAWING NO.
ER-1

DESIGNS MEETS OR EXCEEDS FBC 2004 LATEST EDITION
RESIDENTIAL R-301.

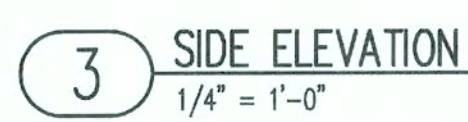
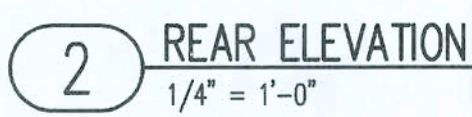
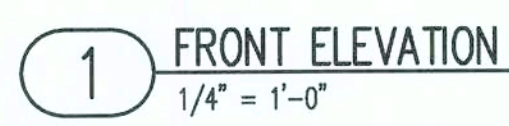
DESIGNED BY: DEMCO DRAFTING & DESIGN
LARRY E. DEMONTMOLLIN

DAVID W. SMITH, PE LIC. #PE 53608
9909 WALLASTON DR.
DADE CITY, FL, 33525 PH. 352-521-086

I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED DESIGN AND FOUND IT TO BE IN COMPLIANCE WITH THE 2004 FLORIDA BUILDING CODE.



CHANGED DESIGN SOIL BEARING PRESSURE TO 2000#



I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED DESIGN
AND FOUND IT TO BE IN COMPLIANCE WITH THE 2004
FLORIDA BUILDING CODE.

BUILDER:

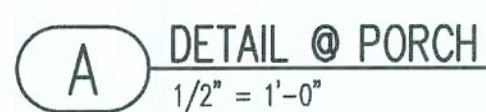
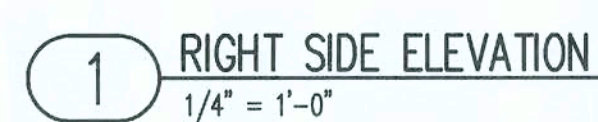
DESIGNER: DEMCO DRAFTING & DESIGN
38452 6th. AVE.
ZEPHYRILLS, FLORIDA 33542

no.	date	description	plg.	chk'd
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			scale	11/17/05
			drawn	LED
			plg.	1/4"=1'-0"

FOR
EDWARD R. RIOPELLE
LOT 10 LITTLE PINE FARMS
FT. WHITE, FLORIDA

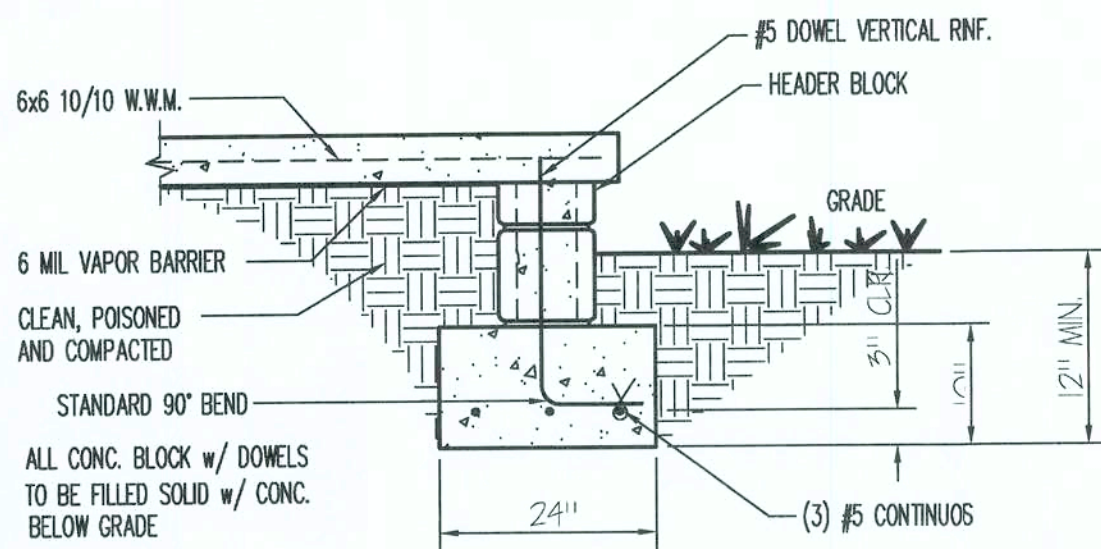
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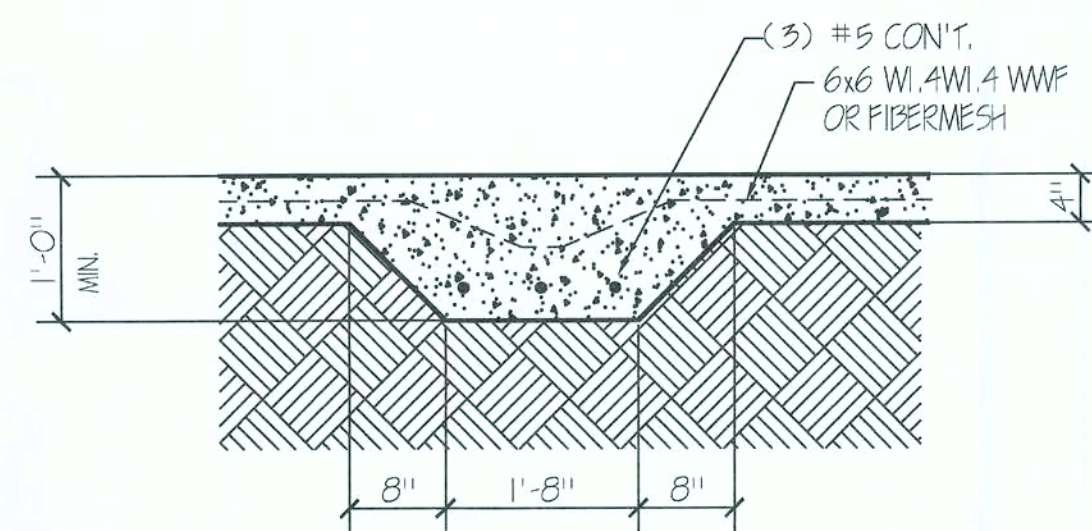


ZEPHYRHILLS, FLORIDA 33542

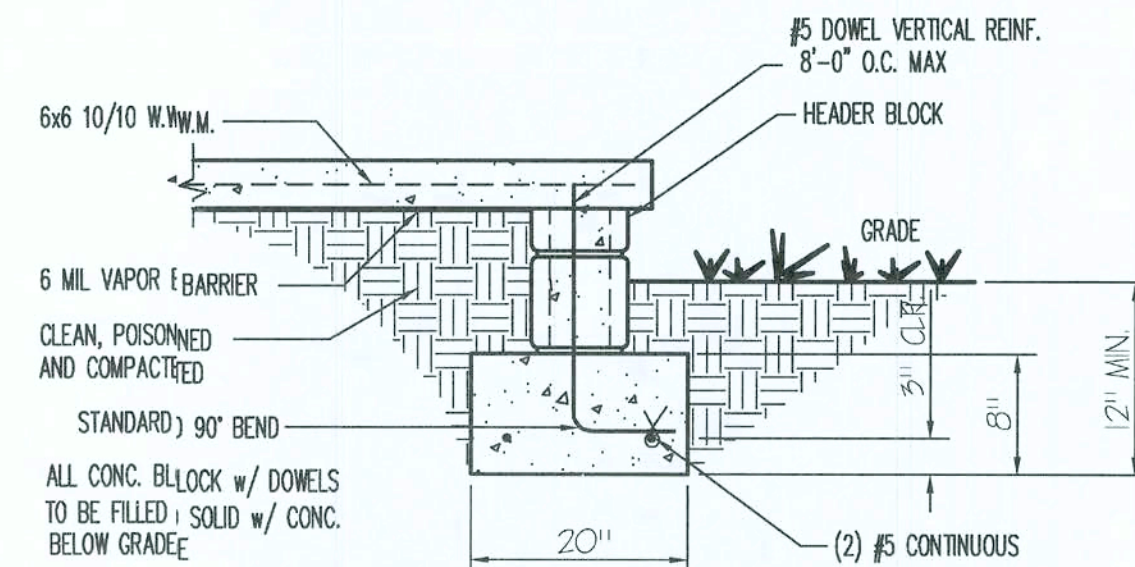
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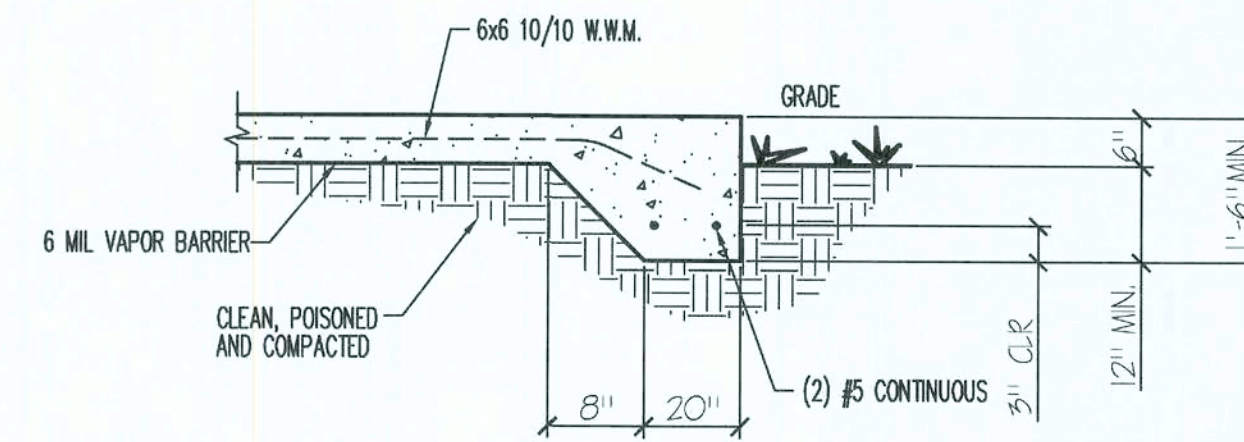
3 LOAD BEARING STEM WALL FOOTING
3/4" = 1'-0"



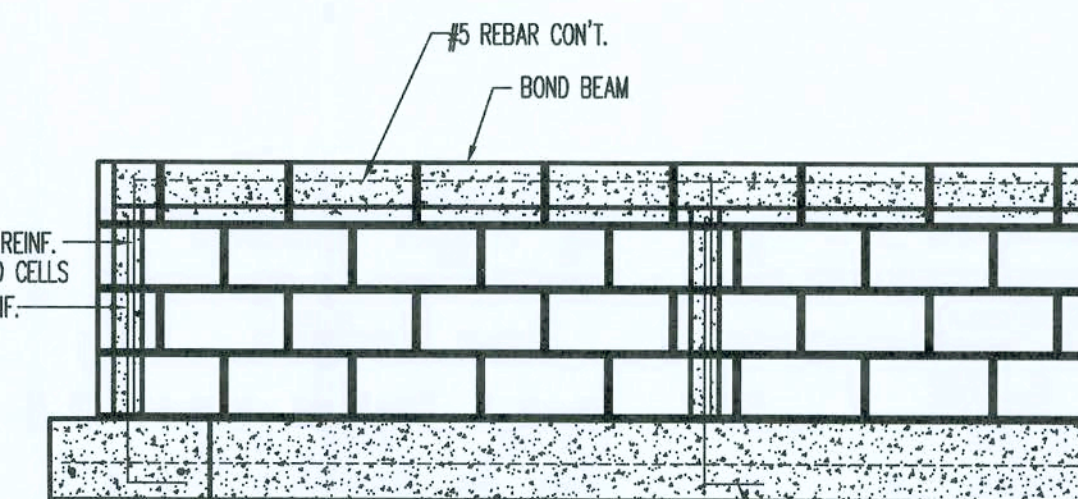
4 INTERIOR BEARING WALL DETAIL
3/4" = 1'-0"



5 LOAD BEARING STEM WALL FOOTING
3/4" = 1'-0"



5A OPTIONAL MONOLITHIC FDN. @ PORCH
3/4" = 1'-0"



6 STEM WALL/BOND BEAM DETAIL
1/2" = 1'-0"

NOTE:
NO. OF COURSES OF CMU MAY VARY
#5 DOWEL VERTICAL REIN.
MIN. 25' LAP
@ 8'-0" O.C. MAX.

SEE FIREPLACE FPN. SECTION
BOT. A MIN. 12" BELOW GRADE
SEE DRAWING RF-6

SEE FIREPLACE FPN. SECTION
BOT. A MIN. 12" BELOW GRADE
SEE DRAWING RF-6

4" CONC. SLAB MIN. W/
COMPRESSIVE STRENGTH OF 2,500
P.S.I. AT 28 DAYS W/ 6x6 10/10
W.W.M. OR FIBERMESH REINFORCED
CONC. BARRIER ON CLEAN WELL
COMPACTED FILL TREATED FOR
TERMITES. CUT 1" DEEP CONTROL
JOINT EVERY 25'-0" EACH WAY AS
REQUIRED.
NOTE: FIBERMESH MAY PRODUCE
SHRINKAGE CRACKS.

0'-0" ASSUMED ELEV.

0'-0" ASSUMED ELEV.

1 FOUNDATION PLAN
1/4" = 1'-0"

REVIEW INTERIOR BEARING WALLS AS PER FLOOR TRUSS PLAN.
REVIEW FOOTER SIZES FOR 2000+ DESIGN SOIL BEARING PRESSURE.

DESIGN MEETS OR EXCEEDS FBC 2004 LATEST EDITION
RESIDENTIAL R-501.

DESIGNED BY: DEMCO DRAFTING & DESIGN
LARRY E. DEMONTMOLIN

DAVID W. SMITH, PE LIC. #PE 53608
9809 WALLASTON DR.
98-06
PH. 352-521-0865

I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED DESIGN
AND FOUND IT TO BE IN COMPLIANCE WITH THE 2004
FLORIDA BUILDING CODE.

BUILDER:

DESIGNER: DEMCO DRAFTING & DESIGN
38452 6th. AVE.
ZENYRILLS, FLORIDA 33542

rev	date	description	chk'd	date
1	11/17/05		148	
2				
3				
4				
5				

FOR: EDWARD R. ROPELLE
LOT 10 LITTLE PINE FARMS
FT. WHITE, FLORIDA

DRAWING NO.
ER-6



I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED DESIGN
AND FOUND IT TO BE IN COMPLIANCE WITH THE 2004
FLORIDA BUILDING CODE.

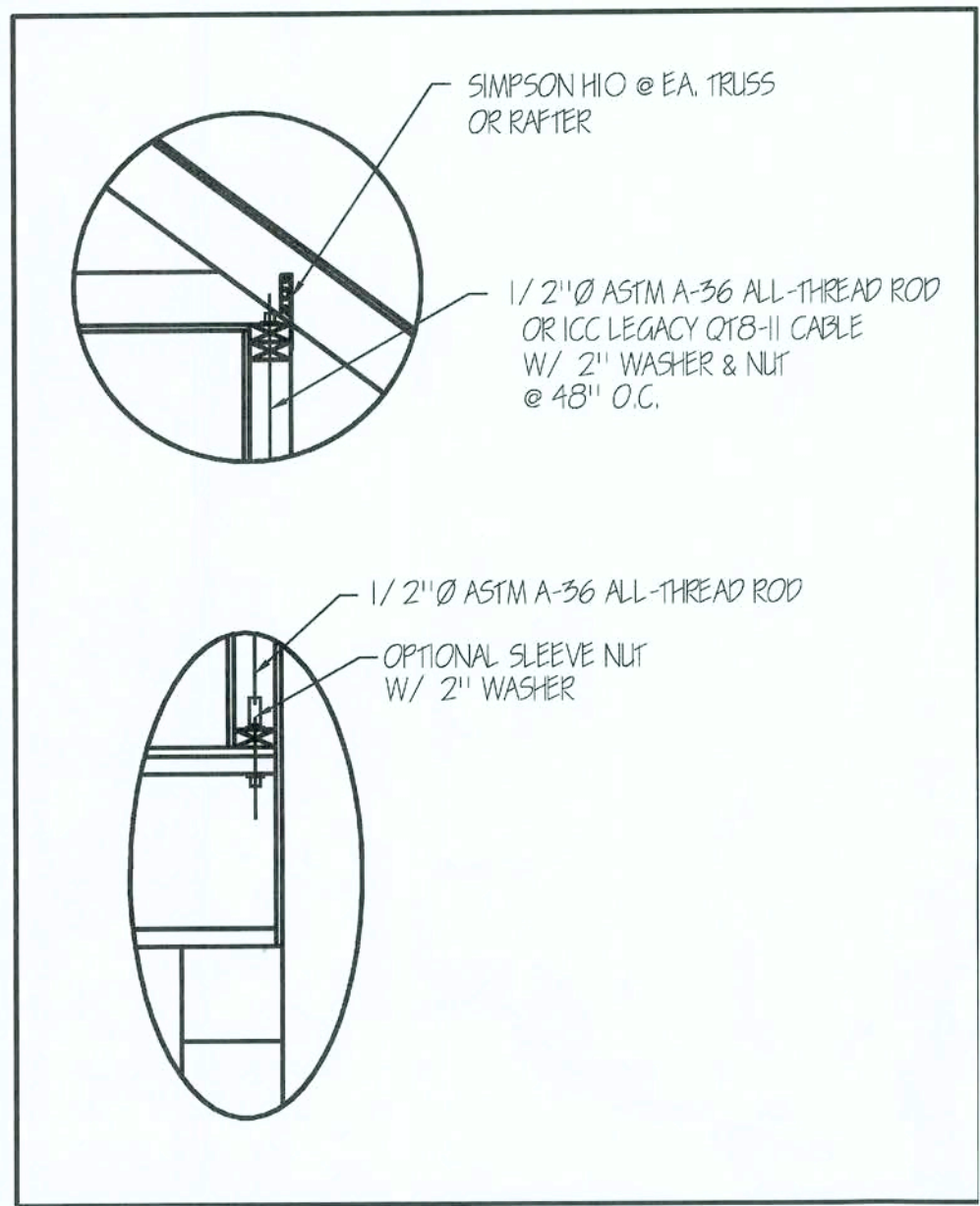
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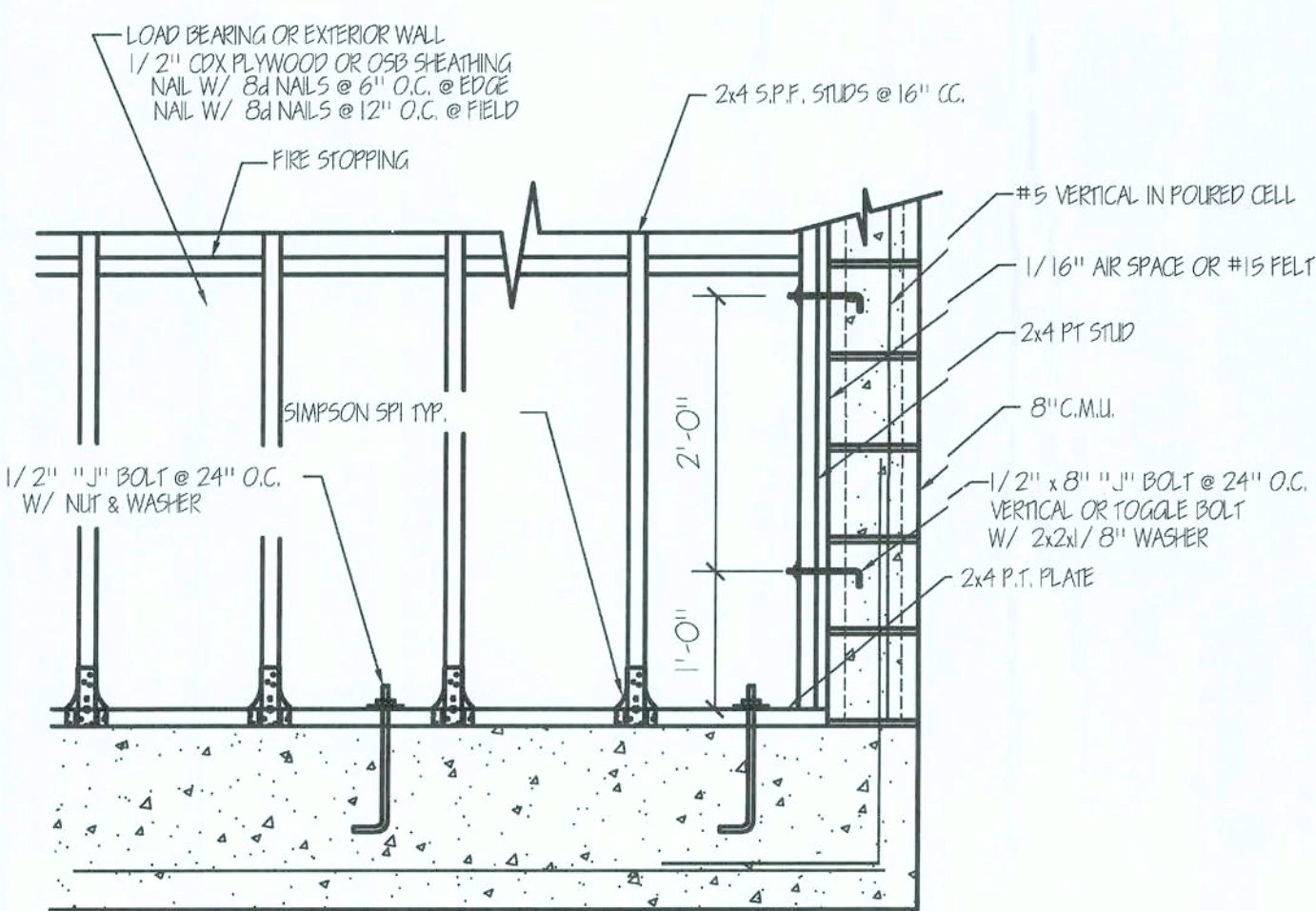
ER-7

FASTENING SCHEDULE		
CONNECTION	FASTENER	QUANTITY OR SPACING
TOP OR SOLE PLATE TO STUD, END NAIL	16d COMMON	2
STUD TO SOLE PLATE, TOE NAIL	8d COMMON	4
DOUBLE STUDS, FACE NAIL	10d COMMON	24" O.C.
DOUBLE TOP PLATES, FACE NAILED	10d COMMON	16" O.C.
TOP PLATES, LAP & INTERSECTIONS, FACE NAIL	-	1-16d OR 3-10d COMMON
CONTINUOUS HEADER, TWO PIECES	16d COMMON	6" O.C. ALONG EACH EDGE
CEILING JOISTS OR TRUSSTO PLATE, TOE NAIL	8d COMMON	3
CONTINUOUS HEADER TO STUD, TOE NAIL	8d COMMON	3
BUILT-UP CORNER STUDS	16d COMMON	24" O.C.
WOOD SHEATHING PANEL ROOF & WALL	8d COMMON	6" O.C. ON EDGES & 6" O.C. INTERMEDIATE
1/2" OR LESS SHEATHING	8d COMMON	4" O.C. ALONG EDGES
1/2" OR LESS SHEATHING @ GABLE ENDS OR @ GABLE TRUSS	8d COMMON	

HEADER SIZES FOR EXTERIOR BEARING WALLS FOR #2 S/P AND NUMBER OF JACK STUDS (N.J.) REF. 2001 FBC TABLE 2303.3A									
BUILDING WIDTH IN FT.									
		20		28		36			
HEADERS SUPPORTING	SIZE	SPAN	NJ	SPAN	NJ	SPAN	NJ		
ROOF & CEILING	2-2x4	3-6	1	3-2	1	2-10	1		
	2-2x6	5-5	1	4-8	1	4-2	1		
	2-2x8	6-10	1	5-11	2	5-4	2		
	2-2x10	8-5	2	7-5	2	6-6	2		
	2-2x12	9-9	2	8-5	2	7-6	2		
	3-2x8	8-4	1	7-5	1	6-8	1		
	3-2x10	10-6	1	9-1	2	8-2	2		
	3-2x12	12-2	2	10-7	2	9-5	2		
	4-2x8	9-2	1	8-4					
	4-2x10	11-8	1	10-6					
	4-2x12	14-1	1	12-2	2	10-11	2		

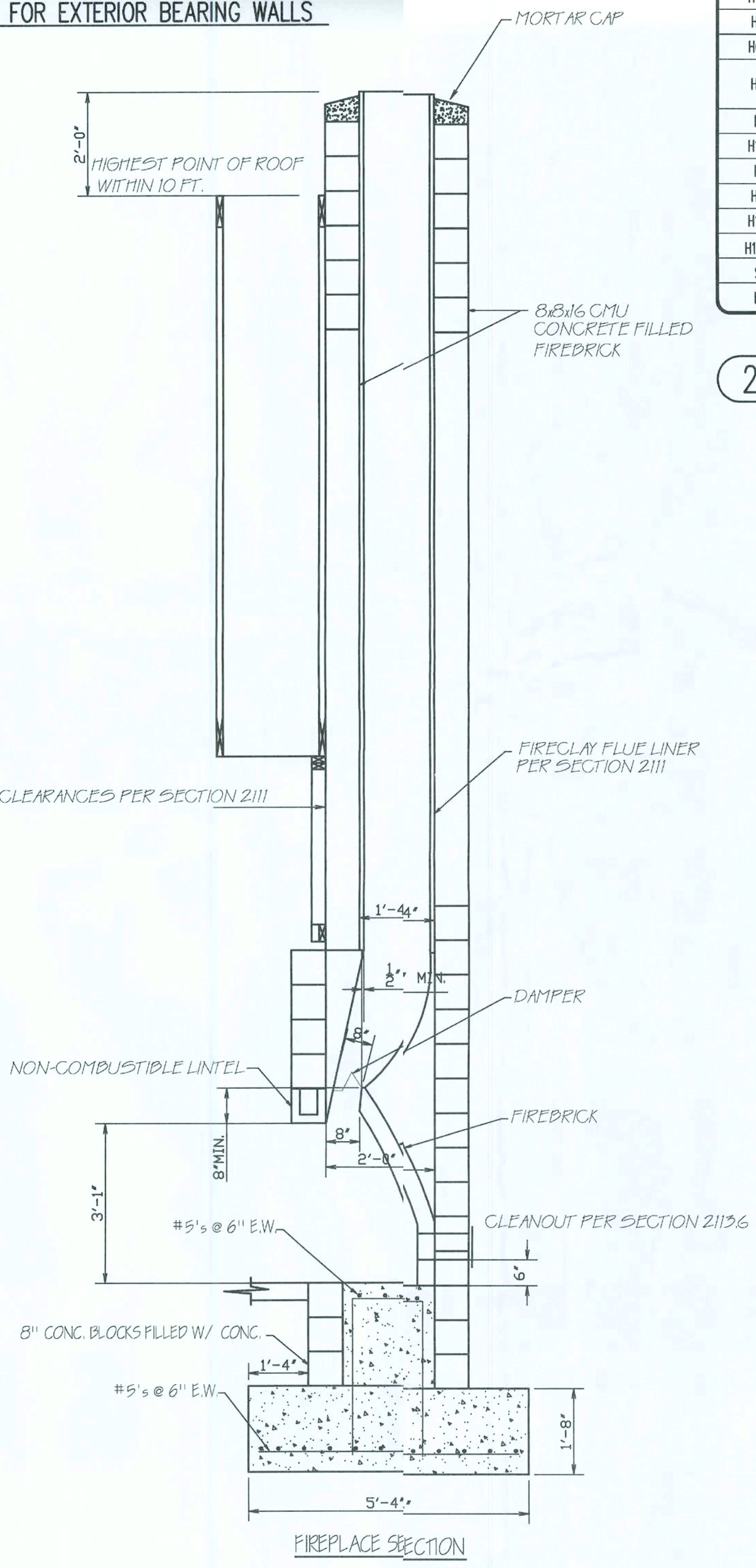


3 TYPICAL HOLD-DOWN DETAIL
3/4" = 1'-0"

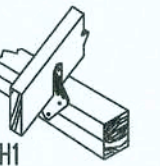
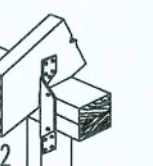
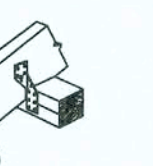
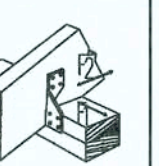
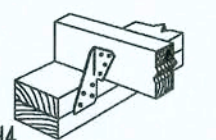
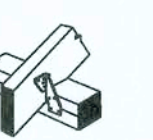
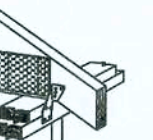
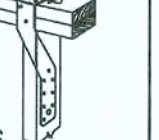
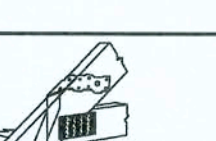
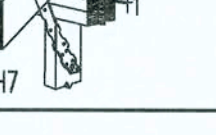
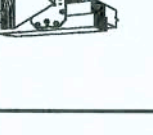
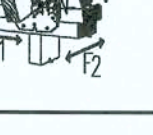
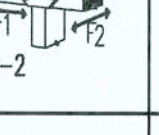
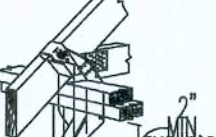
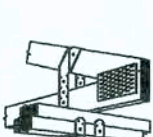
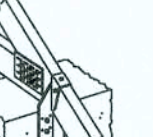
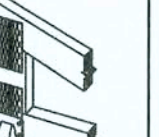
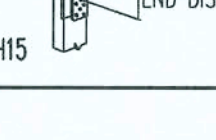
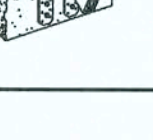
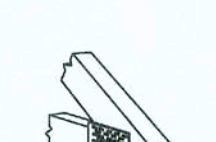
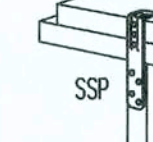
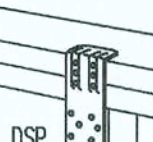
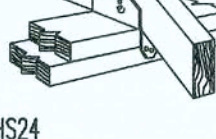
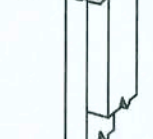
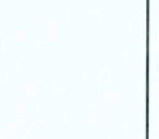
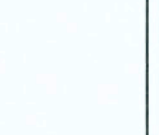
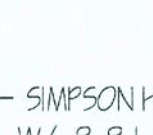
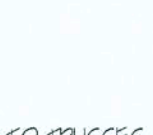
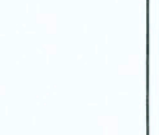
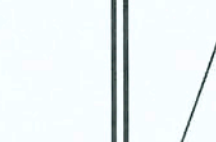
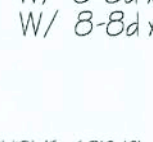
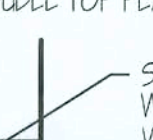
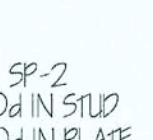
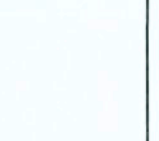
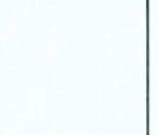
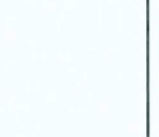
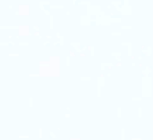
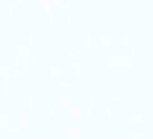
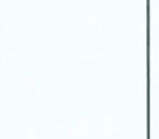
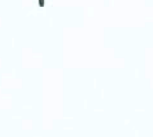
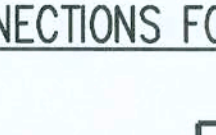
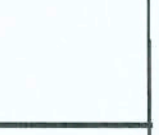
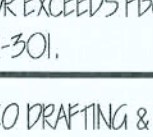
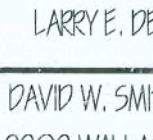
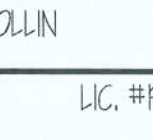
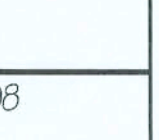
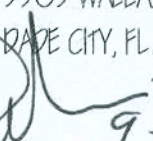
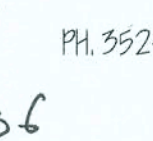
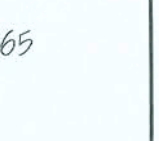
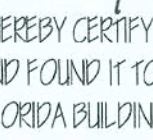


6 FRAME WALL TO C.M.U. CONNECTION DETAIL
1/4" = 1'-0"

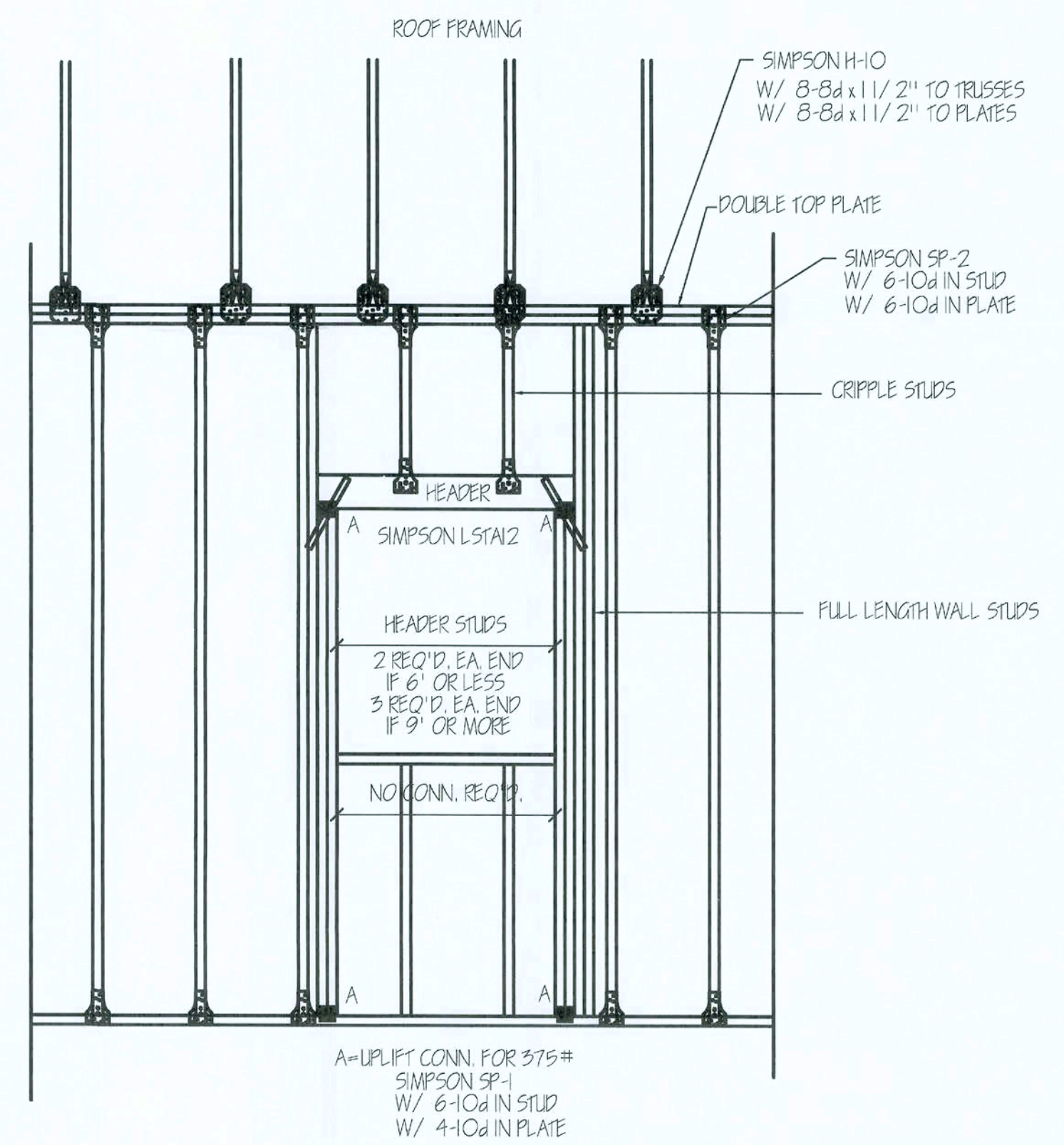
1 HEADER SIZING FOR EXTERIOR BEARING WALLS
3/4" = 1'-0"



4 SECTION THRU FIREPLACE
1/4" = 1'-0"

MODEL NUMBER	GA.	FASTENERS			UPUFT AVG ULT	DOUG-FIR-LARCH/ SP-PINE ALLOWABLE LOADS 1,2					SPRUCE-PINE-FIR ALLOWABLE LOADS 1,2					UPUFT LOAD WITH 8dX1-1/2" NAILS (133/160)			
						UPUFT		LATERAL (133/160)			UPUFT		LATERAL (133/160)						
		TO RAFTERS/TRUSS	TO PLATES	TO STUDS		(133)	(160)	F ₁	F ₂	(133)	(160)	F ₁	F ₂	(133)	(160)	F ₁	F ₂		
H1	18	(6) 8dX1-1/2"	(4) 8d	----	1958	490	585	485	165	455	400	400	415	140	370				
H2	18	(5) 8d	----	(5) 8d	1040	335	335	----	----	335	230	230	----	230					
H2.5	18	(5) 8d	(5) 8d	----	1300	415	415	150	150	415	365	365	130	365					
H2.5A	18	(5) 8d	(5) 8d	----	1793	600	600	110	110	480	520	535	110	480					
H3	18	(4) 8d	(4) 8d	----	1433	455	455	125	160	415	320	320	105	140	290				
H4	20	(4) 8d	(4) 8d	----	1144	360	360	165	160	360	235	235	140	135	235				
H5	18	(4) 8d	(4) 8d	----	1485	455	465	115	200	455	265	265	100	170	265				
H5A	18	(3) 8d	(3) 8d	----	1500	350	420	115	180	290	245	245	100	120	170				
H6	16	----	(8) 8d	(8) 8d	3983	915	950	650	----	----	785	820	560	----	----				
H7	16	(4) 8d	(2) 8d	(8) 8d	2991	930	985	400	----	----	800	845	345	----	----				
H8	18	(5) 10dX1-1/2"	(5) 10dX1-1/2"	----	2422	620	745	----	----	----	530	565	----	----	----				
H9KT	18	(4) SDS1/4"X1-1/2"	(4) SDS1/4"X1-1/2"	----	2821	875	875	680	125	----	755	755	680	125	----				
H10	18	(8) 8dX1-1/2"	(8) 8dX1-1/2"	----	3135	905	990	585	525	----	780	850	505	450	----				
H10R	18	(8) 8dX1-1/2"	(8) 8dX1-1/2"	----	3135	905	990	585	525	----	780	850	505	450	----				
H10-2	18	(6) 10d	(6) 10d	----	2447	760	760	455	395	----	655	655	390	340	----				
H11Z	18	(6) 16dX2-1/2"	(6) 16dX2-1/2"	----	5097	830	830	525	760	----	715	715	450	655	----				
HGA10	14	(4) SDS1/4"X1-1/2"	(4) SDS1/4"X3"	----	1523	435	435	1165	940	----	375	375	870	815	----				
HS24	18	(8) 8dX1-1/2" & (2) 8d SLANT	(8) 8d	----	2205	605 ³	605 ³	645 ³	1025 ³	----	520	520	555	880	----				
H15	16	(4) 10dX1-1/2"	(4) 10dX1-1/2"	(2) 10dX1-1/2"	6070	1300	1300	480	----	----	1120	1120	410	----	----				
H15-2	16	(4) 10dX1-1/2"	(4) 10dX1-1/2"	(2) 10dX1-1/2"	6070	1300	1300	480	----	----	1120	1120	410	----	----				
H16	18	(2) 10dX1-1/2"	(10) 10dX1-1/2"	----	4582	1470	1470	----	----	----	1265	1265	----	----	----				
H16S	18	(2) 10dX1-1/2"	(10) 10dX1-1/2"	----	4582	1470	1470	----	----	----	1265	1265	----	----	----				
H16-2	18	(2) 10dX1-1/2"	(10) 10dX1-1/2"	----	4582	1470	1470	----	----	----	1265	1265	----	----	----				
H16-2S	18	(2) 10dX1-1/2"	(10) 10dX1-1/2"	----	4582	1470	1470	----	----	----	1265	1265	----	----	----				
SSP	18	(3) 10dX1-1/2"	(3) 10dX1-1/2"	(4) 10dX1-1/2"	1107	350	350	----	----	----	----	----	----	----	----				
DSP	18	(6) 10dX1-1/2"	(6) 10dX1-1/2"	(8) 10dX1-1/2"	2417	775	775	----	----	----	----	----	----	----	----				

2 HURRICANE TIES
N.T.S.



5 TYPICAL FRAMING & UPLIFT CONNECTIONS FOR OPENINGS
3/4" = 1'-0"

DESIGNS MEETS OR EXCEEDS PBC 2004, RESIDENTIAL R-501.

DESIGNED BY: DEMCO DRAFTING & DESIGN
LARRY E. DEMONTMOLIN

DAVID W. SMITH, PE L.C. #PE 53608
9909 WALLASTON DR.
DADE CITY, FL. 33525 PH. 352-521-0865

9-8-06

I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED DESIGN AND FOUND IT TO BE IN COMPLIANCE WITH THE 2004 FLORIDA BUILDING CODE.

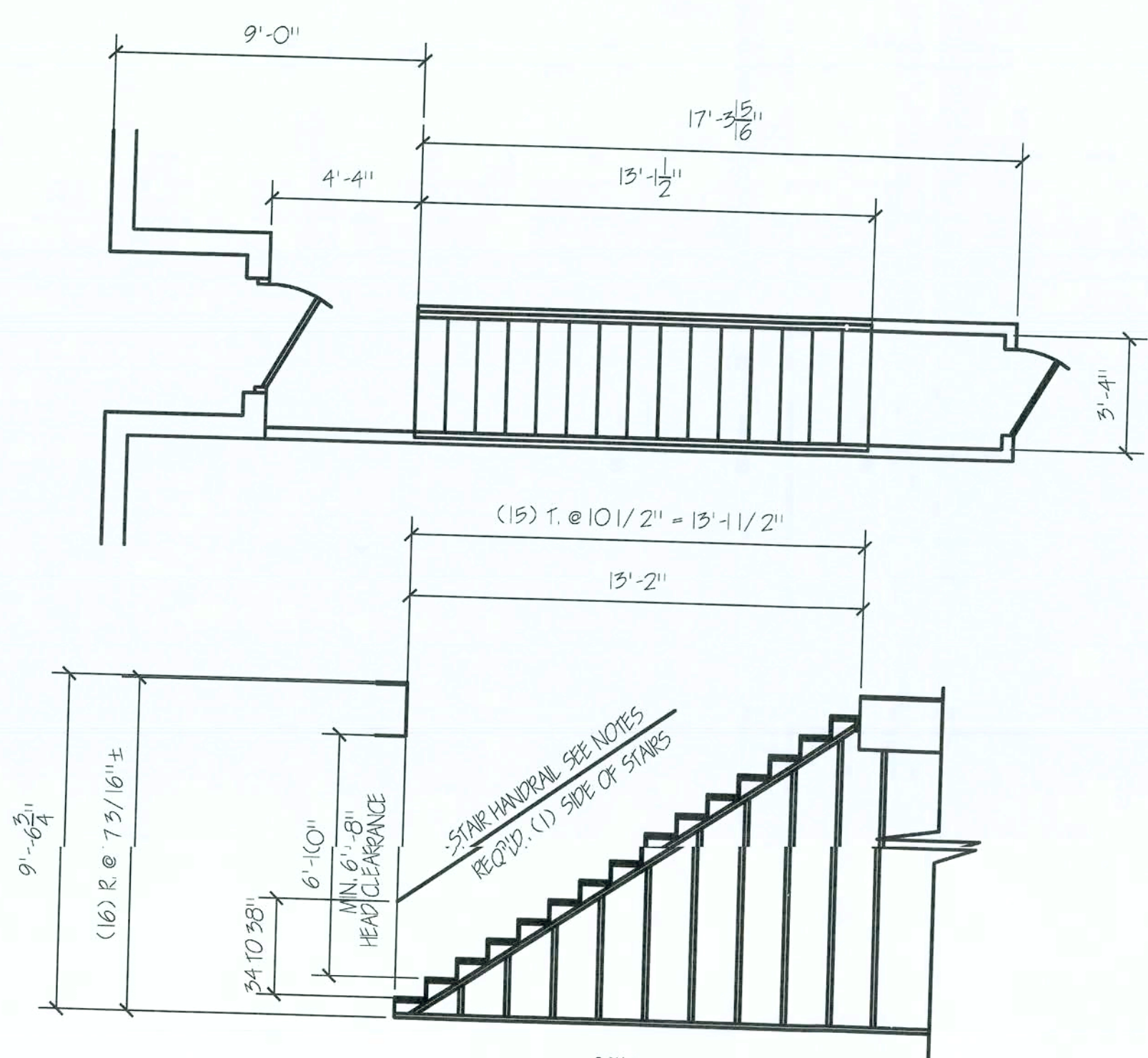
BUILDER:

DESIGNER: DEMCO DRAFTING & DESIGN
38452 6th AVE.
ZEPHYRILLS, FLORIDA 33542

PROJ.	DRAWN	1/4" = 1'-0"	1/4" = 1'-0"	1/4" = 1'-0"	1/4" = 1'-0"
scale	scale	scale	scale	scale	scale
date	date	date	date	date	date
rev	date	date	date	date	date

FOR: EDWARD R. ROPELLE
LOT 10 LITTLE PINE FARMS
FT. WHITE, FLORIDA

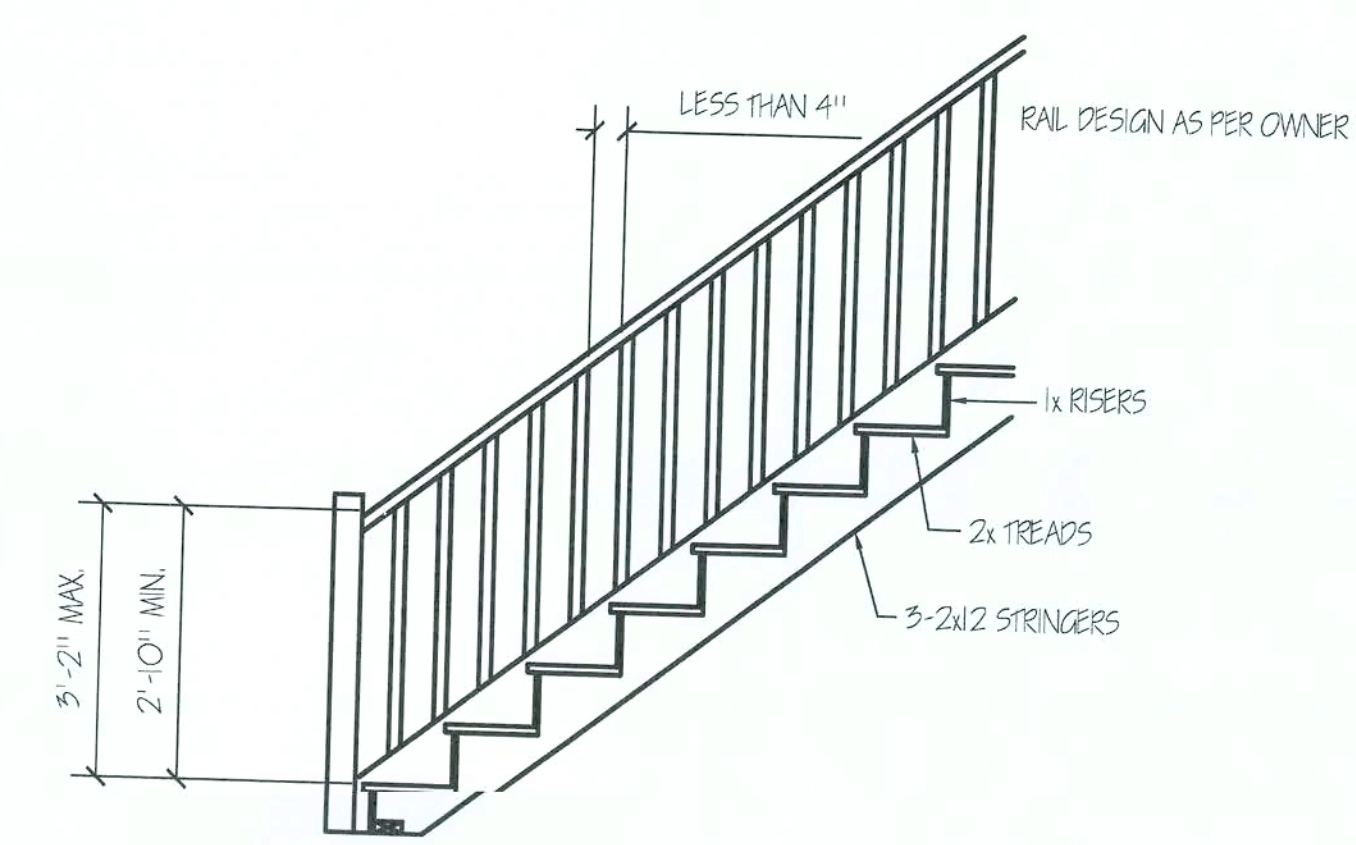
DRAWING NO. ER-9



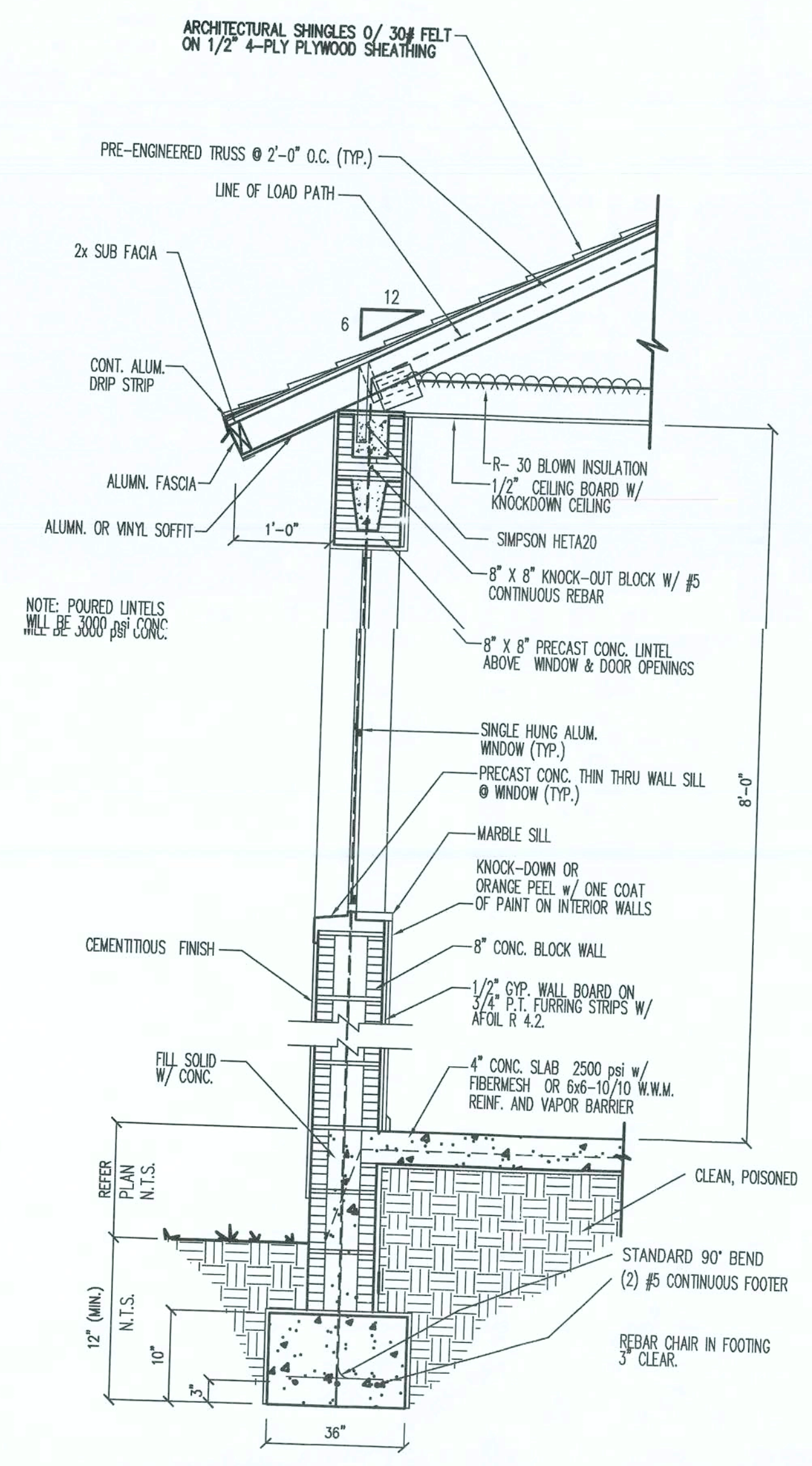
STAIR & HANDRAIL NOTES:
 MIN. SPACE BETWEEN WALL & HANDRAIL = 1 1/2"
 MAX. PROJECTION BETWEEN WALL & O/S OF HANDRAIL = 4 1/2"
 REF. R-301 SECTION R311.5 FOR STAIRWAYS & HANDRAIL REQUIREMENTS.

THE SUM OF (2) RISERS & (1) TREAD, EXCLUSIVE OF NOSING, SHALL BE 24" MIN. AND 25" MAX. HEIGHT OF RISERS SHALL BE 7 1/2" MAX., AND TREADS SHALL BE 9" MIN.

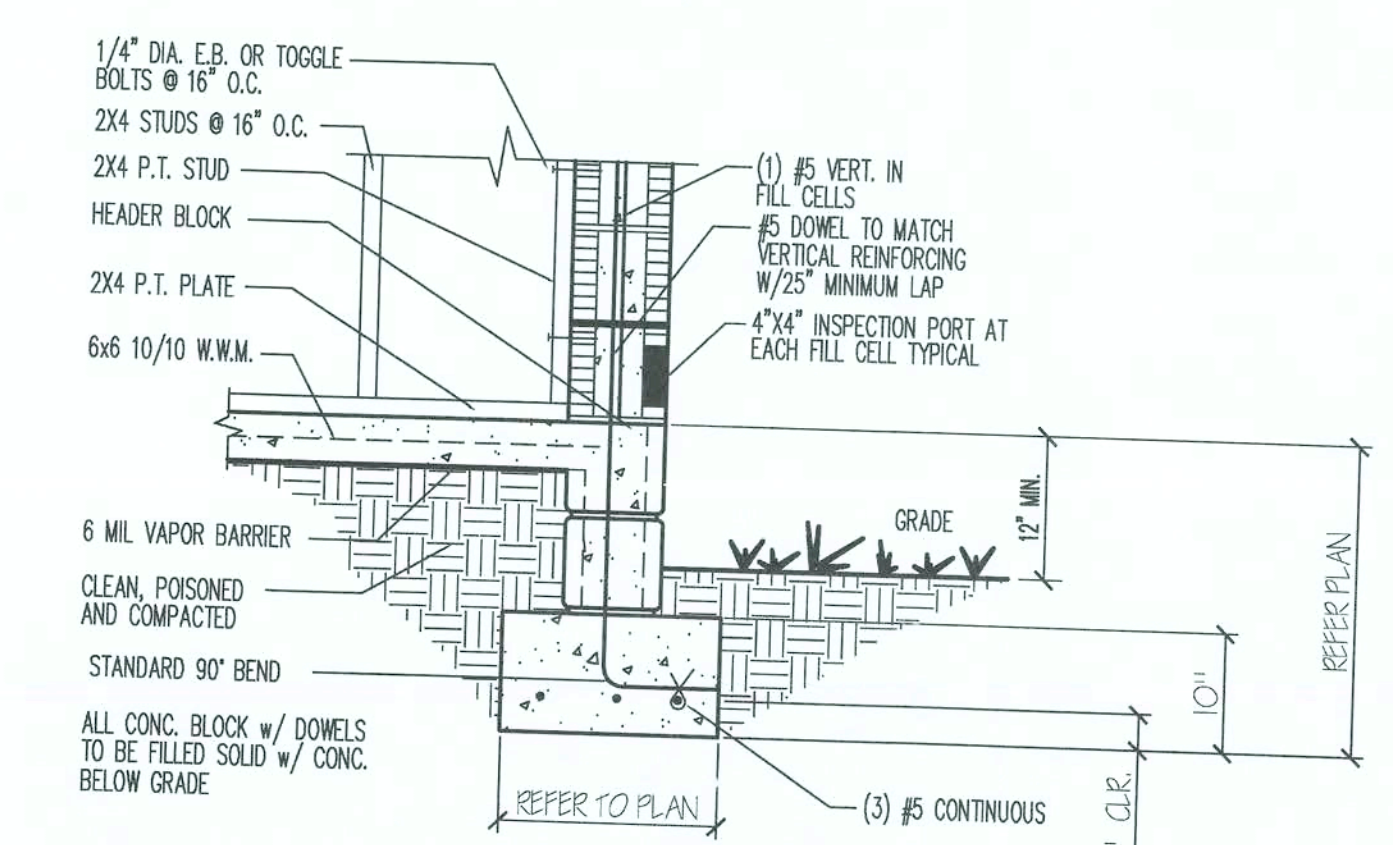
A STAIR & HANDRAIL SCHEMATIC
 1/4" = 1'-0"



B STAIR HANDRAIL DETAIL
 1/2" = 1'-0"



1 TYPICAL WALL SECTION
 3/4" = 1'-0"



2 FRAME WALL TO LOAD BEARING CMU CONNECTION
 3/4" = 1'-0"

FASTENING SCHEDULE FOR STRUCTURAL ELEMENTS		
DESCRIPTION OF BUILDING ELEMENTS	NO. & TYPE	SPACING OF FASTENERS
JOIST OR SILL OR GIRDER, TOE NAIL	3-8d	
1"x6" SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d	
2" SUBFLOOR OR LESS TO EACH JOIST, BLIND & FACE NAIL	2-16d	
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d	16" O.C.
TOP OR SOLE PLATE TO STUD, END NAIL	2-16d	
STUD TO SOLE PLATE, TOE NAIL	3-8d OR 2-16d	
DOUBLE STUDS, FACE NAIL	10d	24" O.C.
DOUBLE TOP PLATES, FACE NAIL	10d	24" O.C.
SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANELS	3-16d	16" O.C.
DOUBLE TOP PLATES, MINIMUM 24" OFFSET OF END JOINTS, FACE NAIL IN LAPPED AREA	8-16d	
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOE NAIL	3-8d	
RIM JOIST OR TO TOP PLATE, TOE NAIL	8d	6" O.C.
TOP PLATES, LAPS AT CORNERS & INTERSECTIONS, FACE NAIL	2-10d	
BUILT-UP HEADER, 2 PICES WITH 1/2" SPACER	16d	16" O.C. ALONG EACH EDGE
CEILING JOISTS TO PLATE, TOE NAIL	16d	16" O.C. ALONG EACH EDGE
CONTINUOUS HEADER TO STUD, TOE NAIL	4-8d	
CEILING JOISTS, LAPS OVER PARTITIONS, FACE NAIL	3-10d	
CEILING JOIST TO PARALLEL RAFTERS, FACE NAIL	3-10d	
RAFTER TO PLATE, TOE NAIL	2-16d	
BUILT-UP CORNER STUDS	10d	24" O.C.
BUILT-UP GIRDERS AND BEAMS, 2-INCH LUMBER LAYERS	10d	NAIL EACH LAYER AS FOLLOWS: 32" O.C. AT TOP & BOTTOM AND STAGGERED, TWO NAILS AT ENDS AND AT EACH SPLICES.
2" PLANKS (OR DECKING)	2-16d	AT EACH BEARING
ROOF RAFTERS TO RIDGE, VALLEY OR HIP RAFTERS	4-16d	
FACE NAIL	2-16d	
RAFTER TIES TO RAFTER, FACE	3-8d	
WOOD SHEATHING PANEL ROOF & WALL	6d	6" O.C. ON EDGES & 12" O.C. INTERMEDIATE
1/2" OR LESS SHEATHING @ WALL	8d	6" O.C. ON EDGES & 12" O.C. INTERMEDIATE
1/2" OR LESS SHEATHING @ ROOF	8d	4" O.C. ALONG EDGES
1/2" OR LESS SHEATHING @ GABLE ENDS OR @ GABLE TRUSS		

BUILDER:
DESIGNER: DEMCO DRAFTING & DESIGN
 6536 STADIUM DR. SUITE "D"
 ZEPHYRHILLS, FL. 33542

DRAWING:
DETAILS

FOR: EDWARD P. RIOPELLE
JOB ADDRESS:

DESIGN MEETS OR EXCEEDS FBC 2004, RESIDENTIAL R-301.
 DAVID W. SMITH, PE LIC. #PE 53608
 9909 WALLASTON DR.
 DADE CITY, FL. 33525 PH. 352-521-0865
 9-8-06
 I HEREBY CERTIFY THAT I HAVE REVIEWED THE ATTACHED DESIGN AND FOUND IT TO BE IN COMPLIANCE WITH SECTION R-301 OF THE FLORIDA BUILDING CODE AND ASCE 7 LATEST EDITION.

ADDED STAIR & HANDRAIL DETAILS.
 ADDED NAILING CHART.

