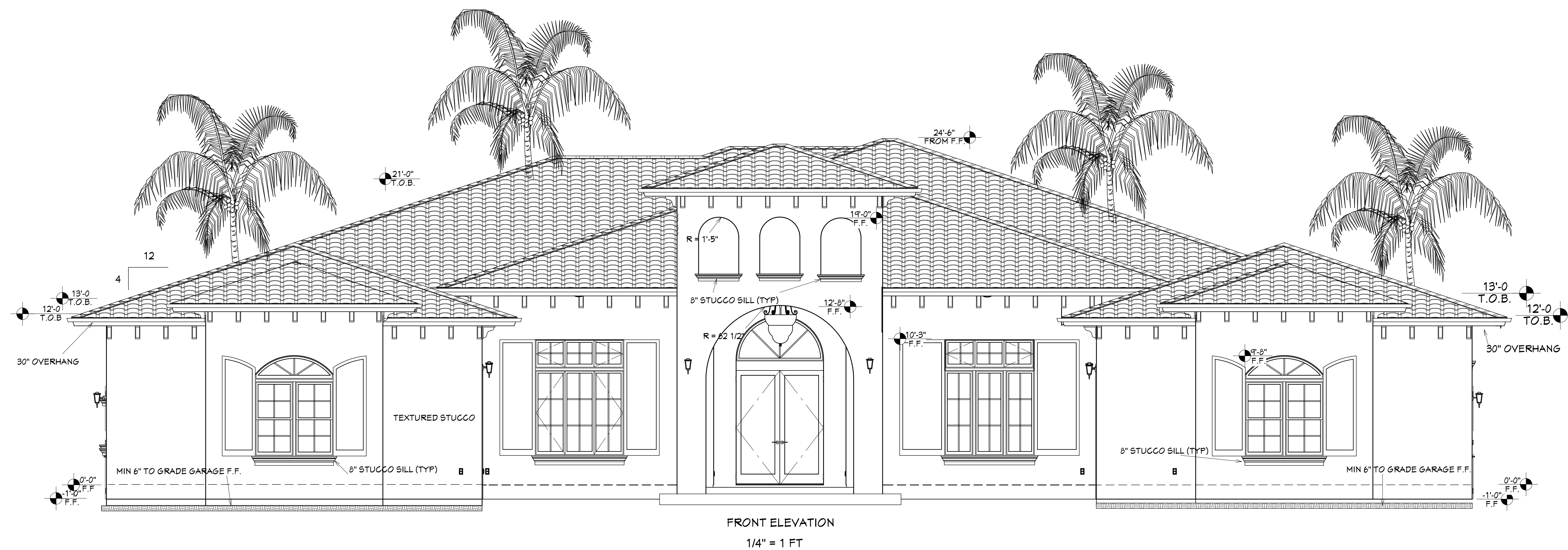
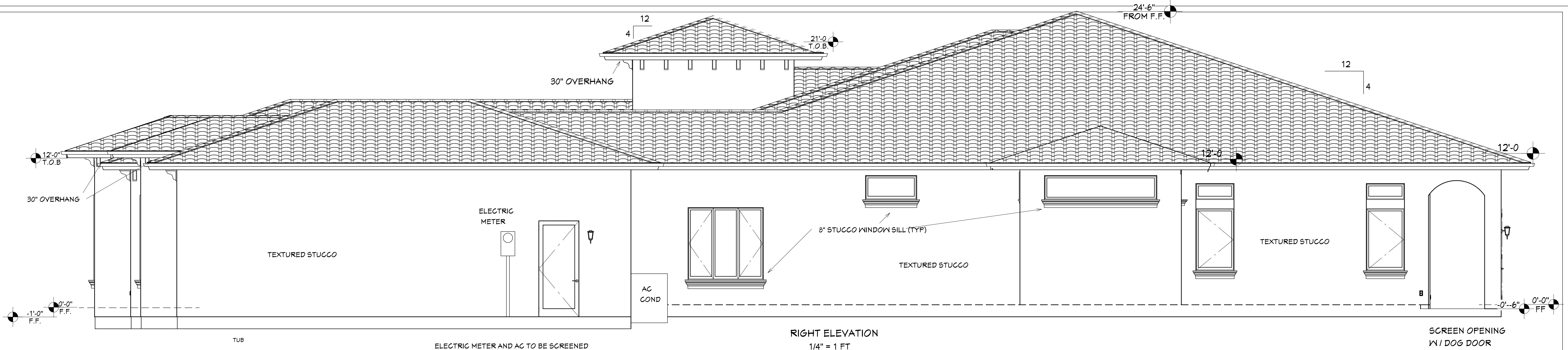


RESIDENCE FOR  
MR. AND MRS VASSALLO

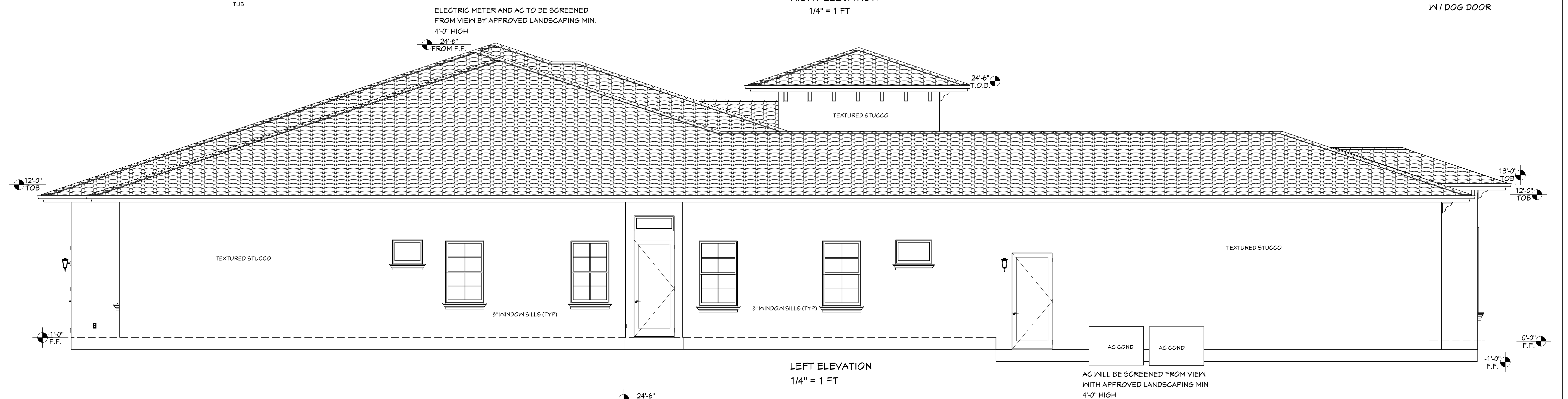


- PLAN INDEX
- A1- FRONT ELEVATION
  - A2 - ELEVATIONS
  - A3 - FLOOR PLAN
  - S1 - FOUNDATION PLAN
  - S2 - BEAM AND COLUMN
  - S3 - NOTES, DETAILS & EXTERIOR OPENING SCHEDULE
  - S4 - SECTIONS & DETAILS
  - E1 - ELECTRIC
  - M1 - AIR CONDITIONING / PLUMBING RISER
  - R1 - ROOF FRAMING

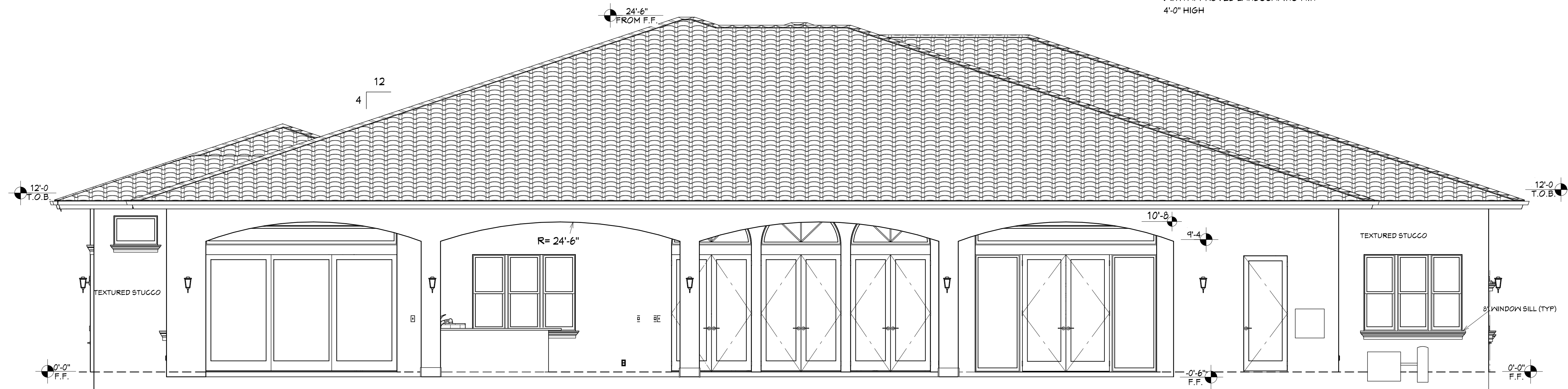
BUILDER	ALUMINUM INNOVATIONS ADAM PAZZAGLIA 561-644-7477 ADAM@AL-IN.COM	DATE:	5/21/2015
		SCALE: 3/16" = 1 FT OR AS NOTED	SHEET:
NEW RESIDENCE LOCATED: LOT 15 HIDDEN BRIDGE 8104 SE HIDDEN BRIDGE COURT JUPITER FLORIDA 33459 21-40-42-004-000-00150-0		RESIDENCE FOR MR. AND MRS VASSALLO	
THE SIGNATURE AND PROFESSIONAL SEAL AFFIXED TO THESE PLANS ACKNOWLEDGE THESE PLANS ARE IN COMPLIANCE WITH HIDDEN BRIDGE ESTATES BUILDING GUIDELINES		JOHN HOLT ENGINEER PE 15252 826 AZURE AVENUE WELLINGTON FLORIDA 33414	
DESIGN CRITERIA EXPOSURE 'C' ASCE 7 - 102010 FBC BUILT TO WITHSTAND 180 MPH			



RIGHT ELEVATION  
1/4" = 1 FT



LEFT ELEVATION  
1/4" = 1 FT



REAR ELEVATION

DESIGN CRITERIA  
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BUILT TO WITHSTAND 180 MPH

JOHN HOLT ENGINEER  
PE 15252  
826 AZURE AVENUE  
WELLINGTON FLORIDA 33414

THE SIGNATURE AND  
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ACKNOWLEDGE THESE PLANS  
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RESIDENCE FOR  
**MR. AND MRS VASSALLO**

NEW RESIDENCE LOCATED:  
LOT 15 HIDDEN BRIDGE  
81091 SE HIDDEN BRIDGE COURT  
JUPITER FLORIDA 33459  
21-40-42-004-000-00150-0

BUILDER  
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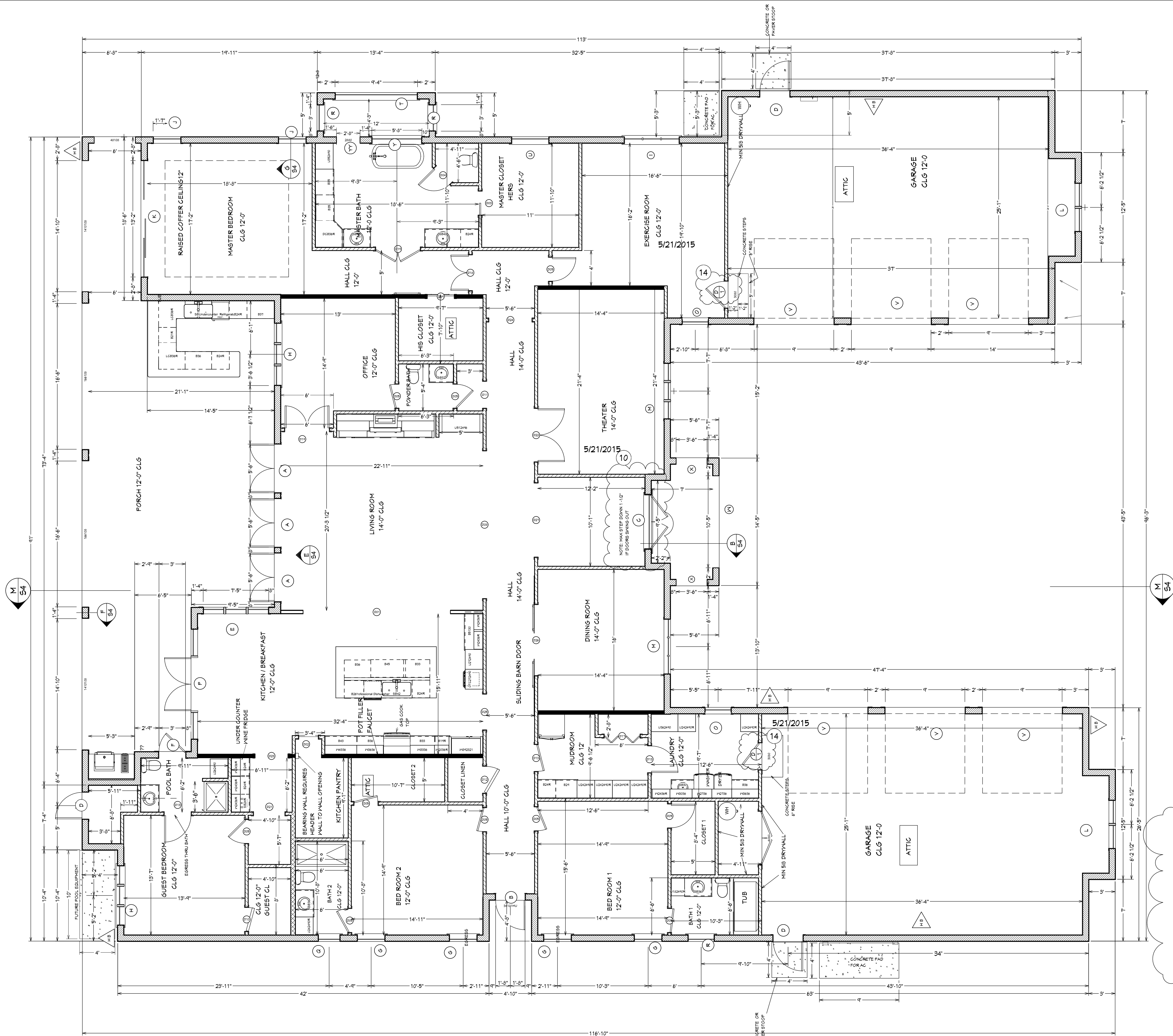
5/21/2015

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OR  
AS NOTED

SHEET:

A3



TOTAL AREA UNDER ROOF	
AC AREA	5248 SQ FT
FRONT PORCH	145 SQ FT
REAR PORCH	1142 SQ FT
GARAGE	2061 SQ FT
TOTAL AREA UNDER ROOF	8596 SQ FT

TOTAL IMPERVIOUS AREA	
POOL DECK	3154 SQ. FT. .0642%
DRIVEWAY	2604 SQ. FT. .0560%
AC POOL EQUIP PADS	130 SQ. FT. .0021%
TOTAL AREA UNDER ROOF	8596 SQ FT .1821%
TOTAL IMPERVIOUS AREA	14,494 SQ FT .3102%

NUMBER	LABEL	QTY	R/O	DESCRIPTION	THICKNESS	CODE	COMMENTS	CASING	INTERIOR
D01	168100	1	202"x123"	DOORWAY	1 3/4"		CASE AND JAMB ARCH PER OWNER	STOCK	
D02	2280	1	28"x94"	HINGED-PANEL	1 3/4"		CONFIRM R/W DOOR MANF	STOCK	
D03	2880	1	88"x98 1/2"	POCKET-DOOR P04	1 3/4"			STOCK	
D04	2680	1	32 1/8"x94"	HINGED-PANEL	1 3/4"			STOCK	
D05	2880	10	34"x94"	HINGED-PANEL	1 3/4"		CASE AND JAMB ARCH PER OWNER	STOCK	
D06	168100	1	202"x123"	DOORWAY	1 3/4"		SL BARN TYPE	STOCK	
D07	3080	1	38"x94"	HINGED-PANEL	3 1/4"			STOCK	
D10	2880	1	34"x94"	HINGED-PANEL	3 1/4"			STOCK	
D11	3080	1	38"x94"	HINGED-DOOR P08	3 1/4"			STOCK	
D12	3080	3	38"x94"	HINGED-PANEL	1 3/4"			STOCK	
D13	3080	3	38"x94"	HINGED-PANEL	1 3/4"			STOCK	
D17	4068	1	50"x82 1/2"	4 DR BIFOLD-PANEL	1 3/4"			STOCK	
D18	4068	1	50"x94"	DOUBLE HINGED-PANEL	1 3/4"			STOCK	
D19	5080	2	62"x94"	DOUBLE HINGED-PANEL	1 3/4"			STOCK	
D21	3680	1	44"x94"	DOORWAY	1 3/4"			STOCK	
D22	6080	1	74"x94"	DOUBLE HINGED-DOOR P08	1 3/4"		CASE AND JAMB ARCH PER OWNER	STOCK	
D23	3880	1	46"x94"	DOORWAY			CASE AND JAMB ARCH PER OWNER	STOCK	
D24	41080	1	60"x94"	DOORWAY			CASE AND JAMB ARCH PER OWNER	STOCK	
D25	4080	1	50"x94"	DOORWAY			CASE AND JAMB ARCH PER OWNER	STOCK	
D26	8080	1	98"x94"	DOORWAY			SLIDING BARN STYLE DOOR	STOCK	
D27	841010	1	102"x138"	DOORWAY			CASE AND JAMB ARCH PER OWNER	STOCK	

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A3

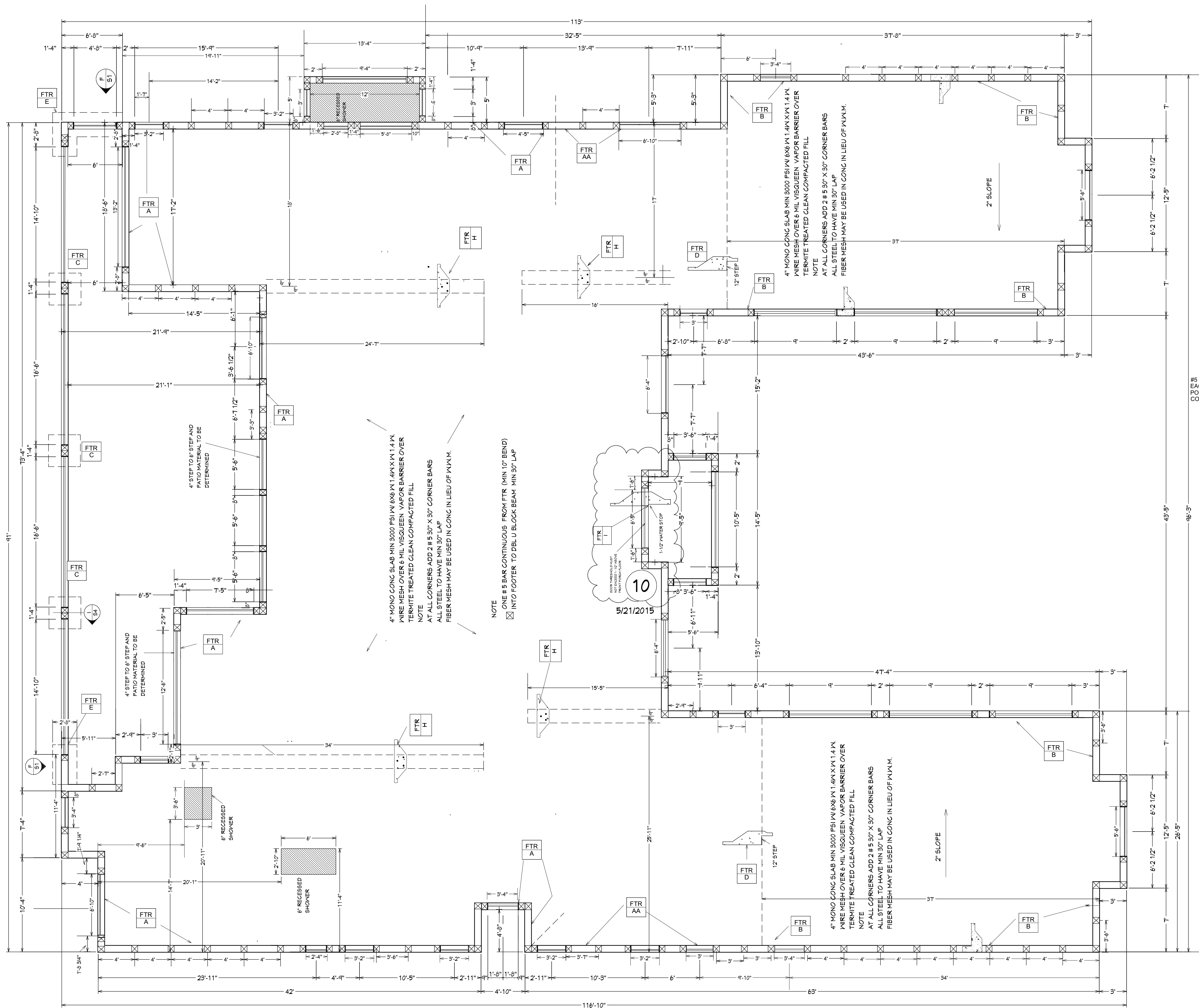
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DESIGN CRITERIA  
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BUILT TO WITHSTAND 180 MPH





**FOUNDATION NOTES:**

BEFORE ANY FILL IS BROUGHT IN A CORE SAMPLES OF EXISTING GROUND CONDITIONS BY A CERTIFIED ENGINEERING FIRM LICENSED IN THE THIS WORK. LOCATION AND DPETH WILL BE DETERMINED ENGINEER AND INDIVIDUAL MUNICIPALITIES REQUIREMENTS

ALL FOOTINGS TO REST ON CLEAN, FIRM UNDISTURBED SOIL. FOOTINGS A REQUIRED TO MAINTAIN REQUIRED DEPTH BELOW FINISH GRADES. OVER CLEAN COMPACTED SOIL 2500 PSF ALL FOOTING SHALL BEAR ON CLEAN SAND FILL COMPACTED TO 95% DENSITY

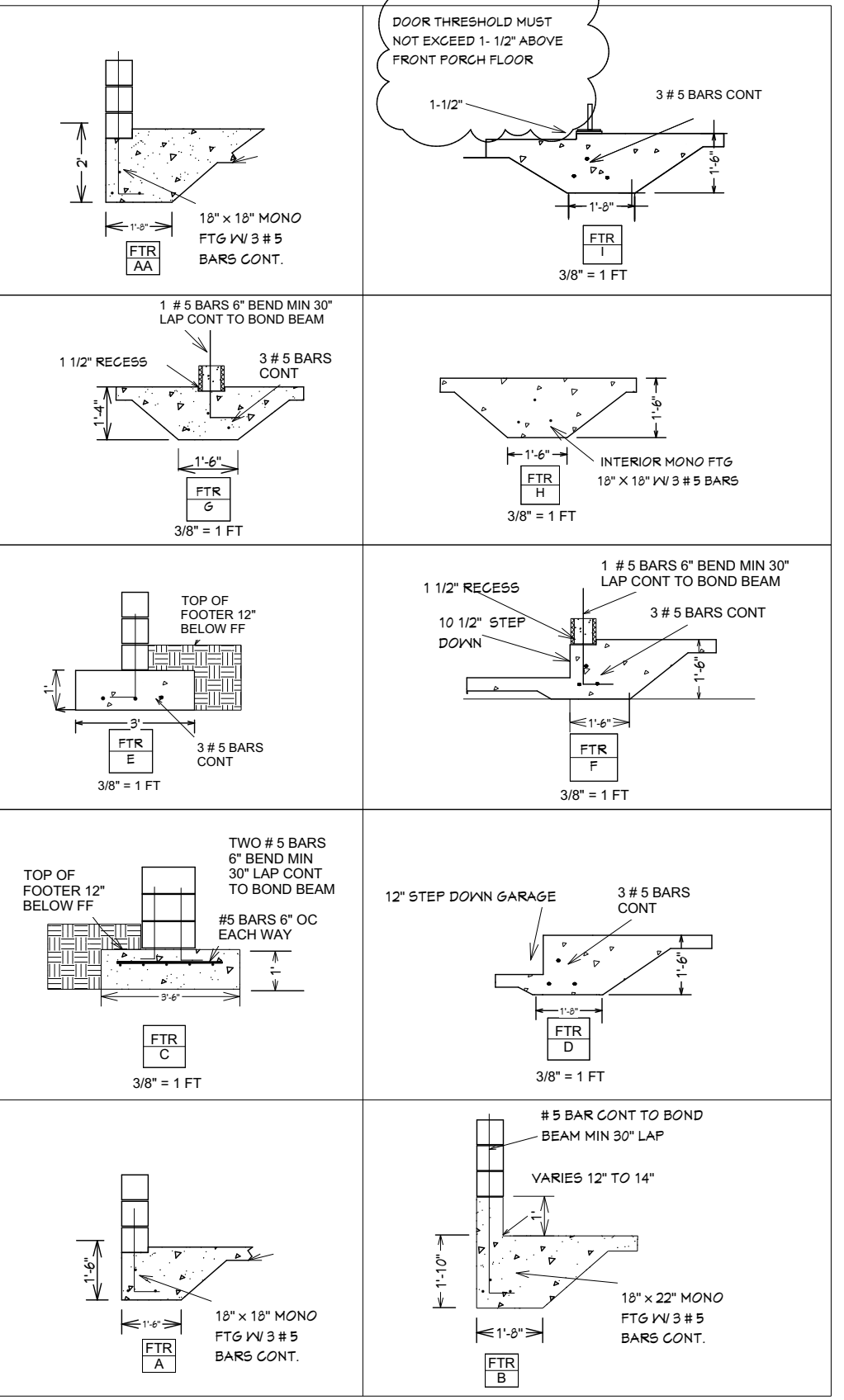
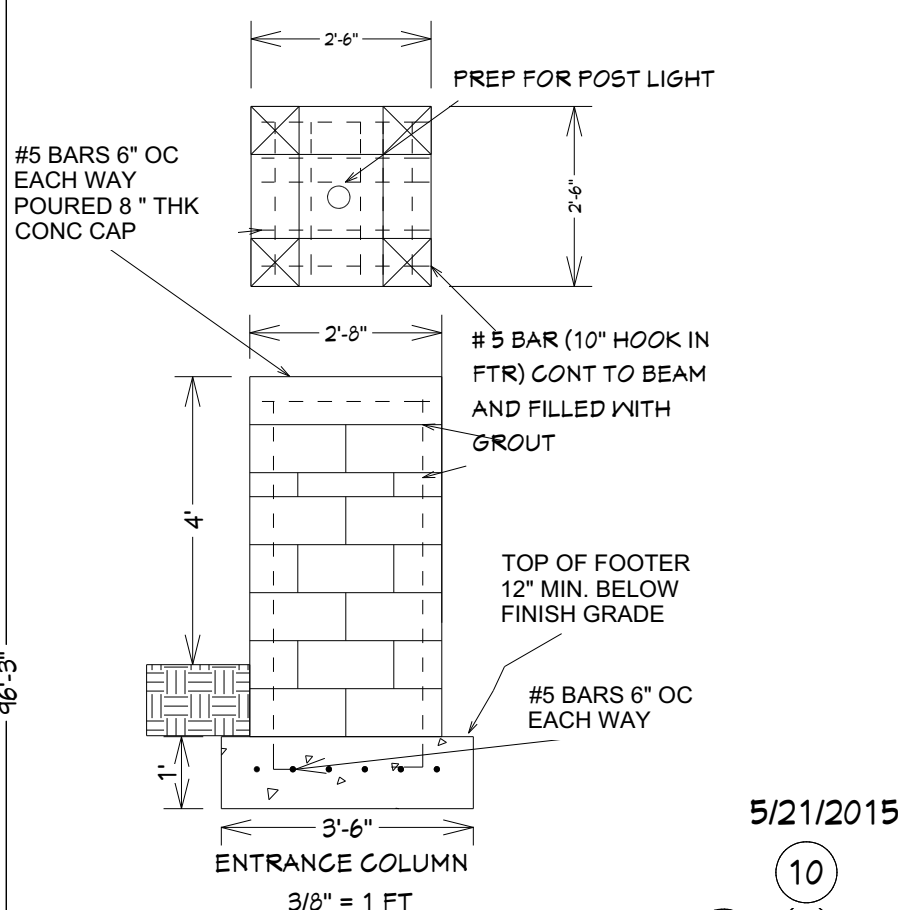
CONCRETE STRENGTH,  
3,000 PSI AT 28 DAYS FOR ALL SLABS. (FOUNDATION DESIGN BASED ON 2,500 PSI).  
3,000 PSI AT 28 DAYS FOR ALL OTHER CONDITION.  
MAXIMUM SLUMP, 4"

CONCRETE SLABS MIN 4" WITH 6 X 6 10/10 WWF/ ON 4 MIL VAPOR BARRIER OVER CLEAN COMPACTED TERMITE TREATED FILL  
FIBER MESH CAN BE SUBSTITUTED FOR WIRE MESH

ALL REINFORCING STEEL TO BE ASTM A-615 GRADE 60 DEFORMED REINFORCING BARS UNLESS NOTED OTHERWISE

CONCRETE EXPANSION ANCHORS SHALL BE "SIMPSON WEDGE-ALL STUD ANCHORS" OR ENGINEER APPROVED EQUAL. EPOXY TO BE SIMPSON "SET" ADHESIVE OR APPROVED EQUAL.

MIN CONCRETE COVERAGE FOR REINFORCING BARS  
3" BOTTOM OF FOOTER  
2" TOP OF FOOTER  
3" SIDES  
COLUMNS  
1 1/2" SIDES



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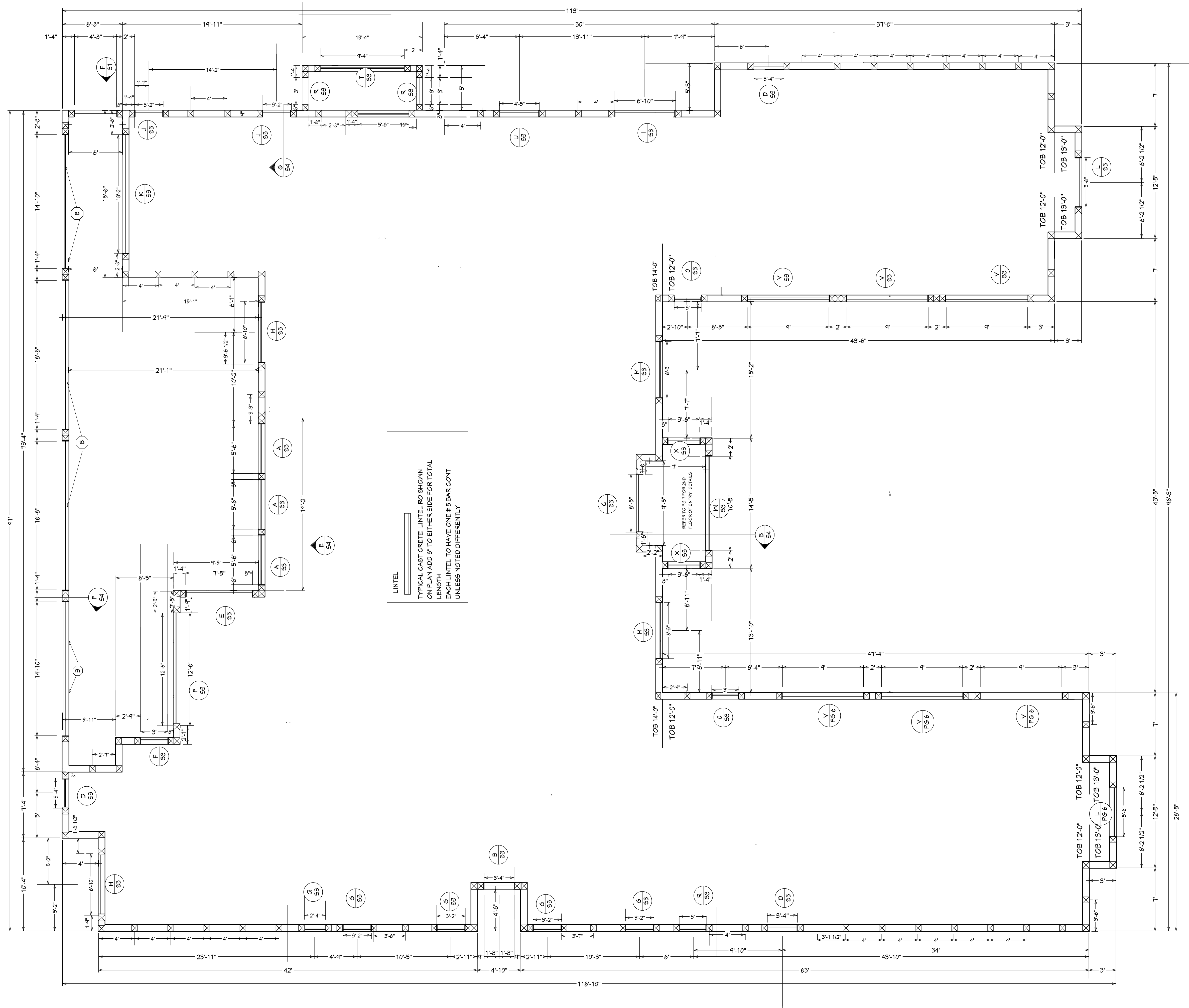
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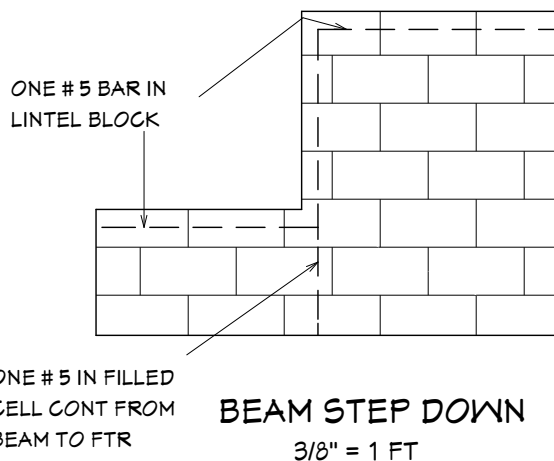
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LINTTEL  
TYPICAL CAST CRETE LINTTEL SHOWN  
ON PLAN ADD 5" TO EITHER SIDE FOR TOTAL  
LENGTH  
EACH LINTTEL TO HAVE ONE #5 BAR CONT  
UNLESS NOTED DIFFERENTLY

BEAM SCHEDULE	
(A)	TYPICAL BEAM TO BE 2 COURSES U BLOCK W/ ONE #5 BAR CONT EACH COURSE AT ALL CORNERS ADD 30" X 30" CORNER BAR
(B)	ONE COURSE OF U BLOCK WITH ONE LINTTEL CONT #5 BAR EACH
(C)	ALL OPENING WITH TRANSOM WINDOWS REQUIRES LINTTEL AT EACH LEVEL AND ONE #5 BAR IN EACH REFER TO SECTION G PG 6
CONCRETE TO BE MIN 3000PSI GROUT	
ALL STEEL HAVE MIN 30"LAP STEEL AT ALL CORNERS #5 BAR 30" X 30" CORNER BARS CONCRETE COVER MIN 1 1/2" COLUMNS AND BEAMS AND LINTELS	

COLUMN SCHEDULE	
☒	8" X 8" POURED BLK COLUMN W/ 1 #5 BARS CONT FROM FTR TO BEAM
☒☒	8" X 16" POURED BLK COLUMN W/ TWO #5 BARS CONT FROM FTR TO BEAM
☒☒☒	8" X 16" POURED COLUMN W/ TWO #5 BARS CONT FROM FTR TO BEAM



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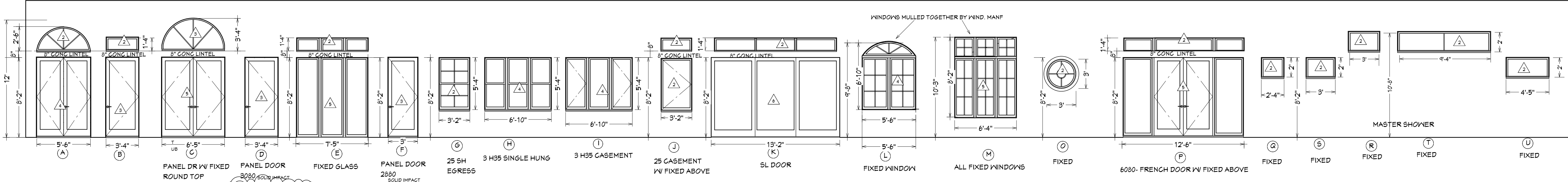
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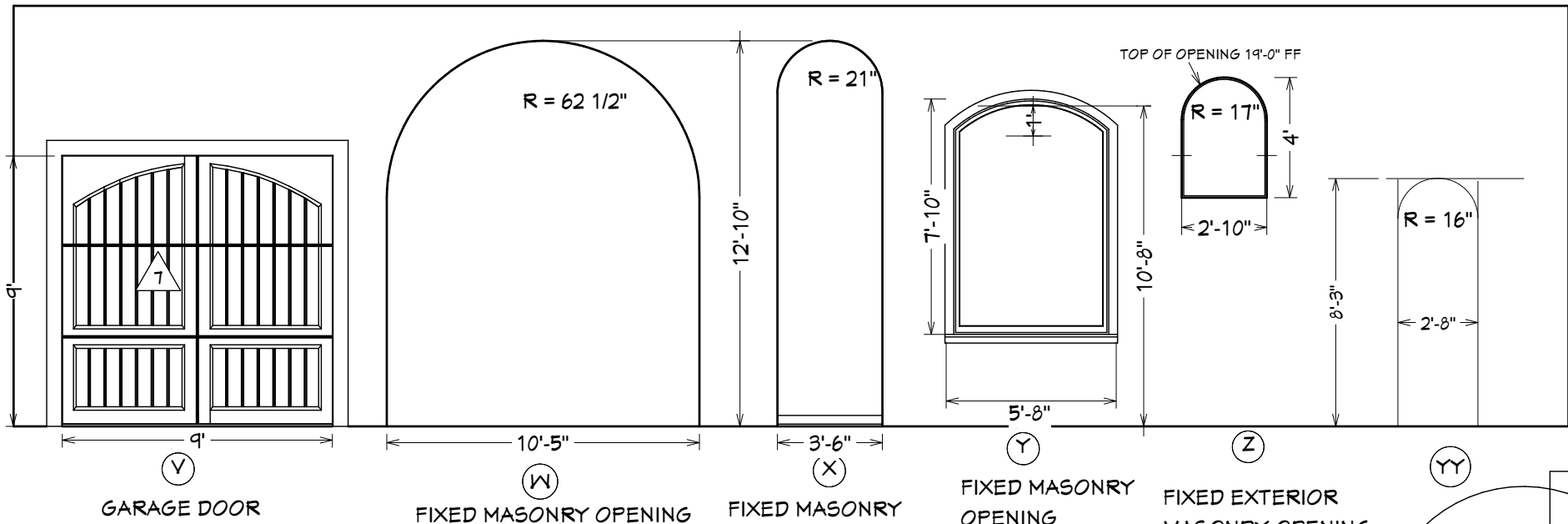
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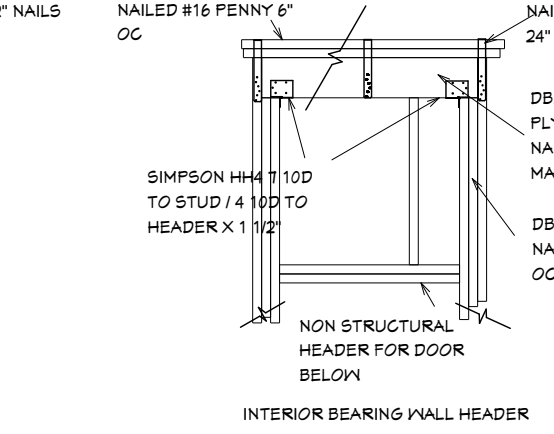
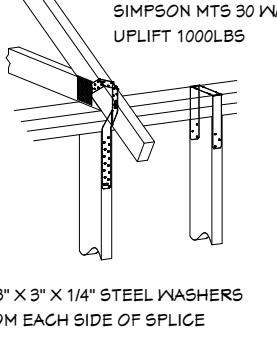
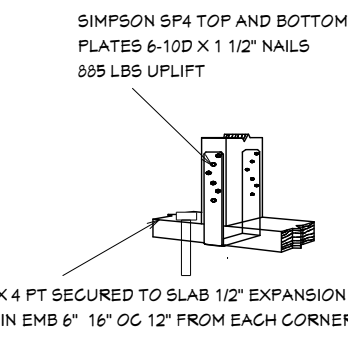
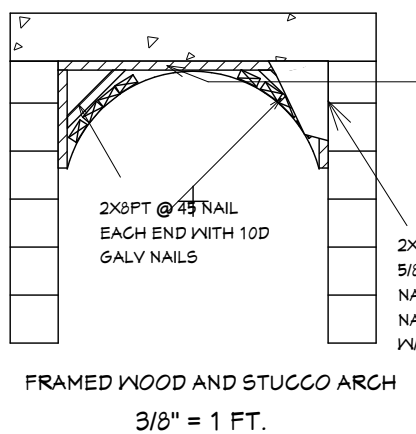
EXTERIOR DOORS AND WINDOWS ROUGH OPENINGS IMPACT RATED CGI OR EQUAL 3/16" = 1 ft



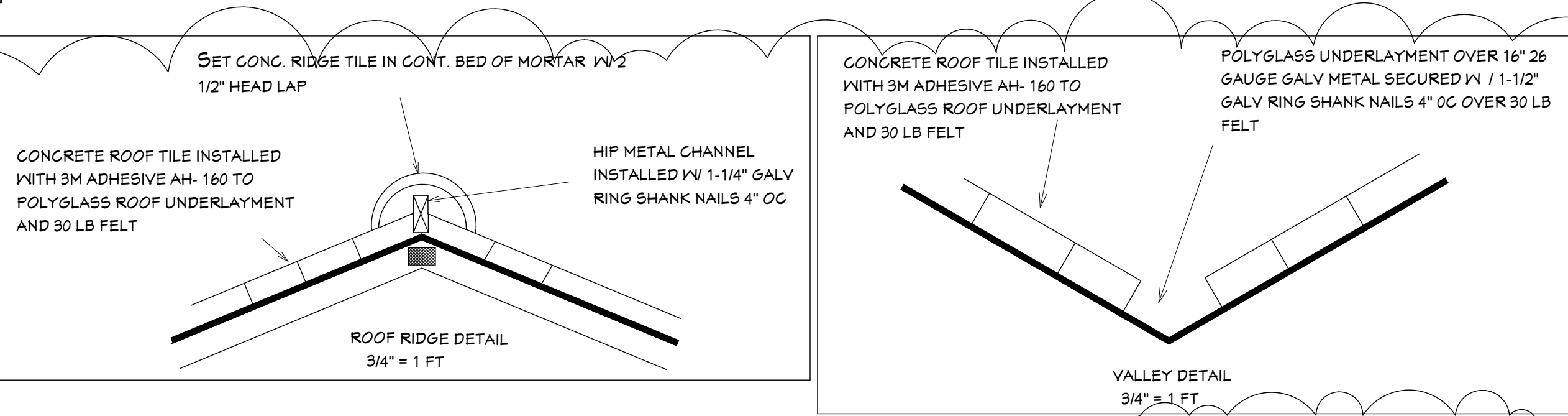
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5/21/2015



OPENING AREA IN SQ. FT.	INTERIOR ZONE	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
0 TO 5		+30.34	-32.99	+30.34	-40.03
5 - 20		+29.76	-32.40	+29.76	-38.92
20 - 35		+28.63	-31.27	+28.63	-36.68
35 - 50		+27.91	-30.55	+27.91	-35.21
50 - 100		+26.50	-29.14	+26.50	-32.4
100 +		+25.68	-28.32	+25.68	-30.76
GARAGE DOOR		9' X 9' = 34.15	+ 27.37		
GARAGE DOOR		10' X 9' = 31.66	+26.13		



12  
5/21/2015



DISCLAIMER

TO THE BEST OF MY KNOWLEDGE THESE PLAN ARE DRAWN TO COMPLY WITH THE OWNER'S OR BUILDER'S SPECIFICATIONS AND ANY CHANGES MADE ON THEM AFTER PRINTS ARE MADE WILL BE DONE AT THE OWNER'S AND OR BUILDER'S EXPENSE AND RESPONSIBILITY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ENCLOSED DRAWING. ADAM FAZZAGLIA / ALUMINUM INNOVATIONS INC IS NOT LIABLE FOR ERRORS ONCE CONSTRUCTION HAS BEGUN. WHILE EVERY EFFORT HAS BEEN MADE IN THE PREPARATION OF THIS PLAN TO AVOID MISTAKES, THE MAKER CAN NOT GUARANTEE AGAINST HUMAN ERROR. THE CONTRACTOR OF THE JOB MUST CHECK ALL DIMENSIONS AND OTHER DETAILS PRIOR TO CONSTRUCTION AND BE SOLELY RESPONSIBLE THEREAFTER

GENERAL NOTES

1. THESE PLANS WERE PREPARED USING EXISTING FLORIDA BUILDING CODE 2010 EDITION ALTERATION LEVEL 2 EXPOSURE C ASCE 7-10-2010 FBC BUILT TO WITHSTAND 180 MPH

2. TYPE OF CONSTRUCTION: CLASS V UNPROTECTED, GROUP R3 OCCUPANCY PER FLORIDA BUILDING CODE

3. CONSTRUCTION SHALL FOLLOW THE FLORIDA BUILDING CODE AND AS ADOPTED BY LOCAL COUNTY AMENDMENTS

4. BUILDER SHALL REVIEW DRAWINGS IN THEIR ENTIRETY BEFORE STARTING WORK. THE BUILDER SHALL ACCEPT FULL RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS NOT REPORTED IMMEDIATELY IN WRITING TO THE ENGINEER / DESIGNER OF RECORD. BACKCHARGES WILL NOT BE ACCEPTED.

5. DO NOT SCALE DRAWING. WRITTEN DIMENSION TAKE PRECEDENT OVER SCALED

6. ALL MATERIALS TO BE INSTALLED AS PER BUILDING CODE AND PER MANF. FLORIDA PRODUCT APPROVAL

SITE PLAN / LOT CLEARING NOTES

1. THE ARCHITECTURAL SITE PLAN PLAN, IF PROVIDED IN THESE DOCUMENTS IS IS FOR GENERAL LOCATION OF THE HOUSE, POOL, DRIVEWAYS AND SITE FEATURES ONLY.

2. LICENSED SURVEYOR TO VERIFY BUILDING LOT FIT, LOT COVERAGE, EASEMENTS LOCATIONS, SET BACKS ALL SITE DIMENSIONS PRIOR TO PERMIT AND CONSTRUCTION

3. BEFORE ANY FILL IS BROUGHT IN A CORE SAMPLE OF EXISTING CONDITIONS BY A CERTIFIED ENGINEERING LOCATION AND DEPTH OF CORE SAMPLES DETERMINED BY ENGINEERING FIRM AND LOCAL MUNICIPALITIES

4. FILL PLACED WITHIN 5'-0" OF THE CONSTRUCTION PERIMETER SHALL CONSIST OF CLEAN W/ELL GRADED FILL IN 12" LIFTS MAX AND VIBRATORY COMPACTED TO TO ACHIEVE A MINIMUM OF 95% MODIFIED PROCTOR ASTM D 1557-02

4. BEFORE ANY FILL IS BROUGHT IN ALL GRUBBING AND CLEANING TO BE COMPLETED. ALL VEGETATION TO BE REMOVED

5. ALL FOOTING DESIGN BASED ON CLEAN COMPACTED FILL COMPACTED TO MIN 2500 PSF SOIL BEARING TEST RESULTS VERIFIED BY FL REGISTERED ENGINEER

CONCRETE

1. CONCRETE SHALL CONFORM TO ASTM C-94-01B2A SHALL HAVE A MIX WATER / CEMENT RATIO .06 AND SHALL COMPRESSIVE STRENGTH AS FOLLOWS:  
BEAMS / COLUMNS -- 3000PSI  
SLABS ON GRADE / MONOLITHIC FTRS -- 2500PSI  
ALL WORK TO CONFORM TO ACI 301-12(15) AND ACI 318-11

2. MINIMUM CONCRETE COVER OVER REINFORCING STEEL 3" BOTTOM OF FTR 2" / 12" TOP OF FTR 3" SIDE OF FTR / COLUMNS 1 1/2"

3. CONCRETE SHALL ATTAIN MIN. VALUES AS STATED AGGREGATES TO BE CLEAN AND W/ELL GRADED AND MAX SIZE 1" CONC. SLUMP 4-6"

4. CONCRETE MATERIAL SHALL COMPLY WITH THE FOLLOWING STANDARDS:  
PORTLAND CEMENT - ASTM C150 / AGGREGATES - ASTM C33, WATER - CLEAN AND POTABLE  
AIR ENTRAINING ADMIXTURE - ASTM C260 2% TO 4%  
WATER REDUCING ADMIXTURE - ASTM C494  
CONCRETE SUPPLIER SHALL DETERMINE PROPER MIX FOR USE

5. AT OWNERS DISCRETION CONCRETE TESTING SHALL BE AS FOLLOWS SAMPLING ASTM-C112, / SLUMP-- ASTM C 143, ONE TEST PER LOAD, AIR CONTENT ASTM C31, ONE SET OF SPECIMEN COMPRESSIVE STRENGTH ASTM C39 ONE SET PER 50 CU YDS OR FRACTION THEREOF, FOUR CYLINDERS PER SET, CERTIFICATION FROM CONCRETE SUPPLIER ACCEPTABLE

6. PLACE CONC IN CONTINUOUS OPERATION WITH PLANNED JOINTS OR SECTIONS. USING MECHANICAL AND OR HAND PRODDING AND TAMPING TOO INSURE THAT ALL CONC. IS WORKED AROUND ALL REINFORCEMENT AND OTHER EMBEDDED ITEMS.

7. FIBERMESH : FIBERS SHALL BE CERTIFIED AS A SUITABLE FOR WELDED WIRE MESH AND ADDED TO CONC. PER MANF. SPECS

MASONRY / BOND BEAM

1. MASONRY DESIGN PER NCMA

2. MASONRY CONSTRUCTION WILL COMPLY WITH AST C476, ACI 530, ACI 315, NCMA

3. MATERIALS TO COMPLY WITH BLOCK - ASTM C40 PORTLAND CEMENT - ASTM C150 / AGGREGATE - ASTM C144 OR ASTM C404, LIME - ASTM C201 WATER CLEAN AND POTABLE GROUT ASTM C476

4. LAY WALLS IN RUNNING BOND, BOND AND INTERLOCK EACH COURSE AT CORNERS AND INTERSECTIONS. USE SPECIAL SHAPES AS REQUIRED

5. COMBINE AND MIX MORTAR CEMENT, LIME, WATER AND AGGREGATES FOR FIVE MINUTES MIN. IN MECHANICAL BATCH MIXER. ADD WATER AS REQUIRED FOR WORKABILITY. RETEMPER WITH WATER AS REQUIRED FOR WORKABILITY DO NOT USE MORTAR WHICH HAS BEGUN TO SET OR 2 HOURS FROM INITIAL MIXING. DO NOT ADD AIR-ENTRAINING AGENTS TO MORTAR

6. CELL LINTELS AND BOND BEAMS WHERE SPECIFIED SHALL BE FILLED W/ 3000 PSI FEA GRAVEL CONCRETE

7. ADMIXTURES SHALL NOT BE PERMITTED W/O WRITTEN CONSENT FROM ENGINEER

8. ASTM A615-03 PER REINFORCING SECTION (GRADE 60)

9. VERTICAL REINFORCING STEEL SHALL HAVE MIN CLEARANCE OF 3/8" FROM MASONRY. CELLS OF BLK TO MAINTAIN A UNOBSTRUCTED CELL 3" X 5"

10. VERTICAL STEEL PLACED AS PER PLAN

11. VERTICAL REINFORCING EACH SIDE OF ANY OPENING, IF REQUIRED, SHALL BE CONT. TO TIE BEAM. PRECAST LINTELS SHALL HAVE OPENINGS TO ALLOW REINFORCING BARS TO CONTINUE UNINTERRUPTED

12. ALL REINFORCING STEEL INSTALLED AS PER PLAN

14. HORIZONTAL JOINT REINFORCEMENT SHALL CONSIST OF AT LEAST 9 GAUGE LADDER TYPE REINFORCEMENT SPACE NOT BE MORE THAN 16" OC

15. CLEANOUT OPENING SHALL PROVIDED AT THE BOTTOM OF GROUTED CELLS AT EACH LIFT. CLEANOUT SHALL BE SEALED BEFORE GROUTING.

16. GROUT SHALL BE PLACED IN LIFTS NOT TO EXCEED 8'-0"

17. BEAM AND LINTELS SHALL HAVE A 6" MIN BEARING UNLESS NOTED DIFFERENTLY

18. MASONRY SHALL CURE 24 HOURS BEFORE PUMPING CONCRETE / GROUT

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 AND SHALL BE DETAILS AND ERECTED IN ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS. ALL TUBE COLUMNS AND BEAMS SHALL BE ASTM A5500 (FY=46KSI)

2. ALL WELDING SHALL CONFORM WITH A.W.S. AND AISC SPECIFICATIONS AND IS TO BE ACCOMPLISHED BY CERTIFIED WELDERS HOLDING CURRENT WELDING CERTIFICATION

REINFORCING STEEL details AND NOTES

1. ALL STEEL SHALL BE NEW HIGH STRENGTH BULLET STEEL, DEFORMED AS PER ASTM A-305 CONFORMING TO ASTM A-615 GRADE 60. LAP BARS 48 BAR DIAMETERS. HOOK DISCONTINUOUS ENDS OF ALL BARS. ALL REINFORCING STEEL TO BE DETAILED AND FABRICATED IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCED CONCRETE STRUCTURES AND ACI BUILDING CODE 318-03

2. REINFORCEMENT SHALL BE CAREFULLY PLACED, RIGIDLY SUPPORTED AND WELL TIED WITH BAR SUPPORTS AND SPACERS

3. DOWEL COLUMN AND WALL REINFORCING TO FOOTING WITH SAME SIZE AND NUMBER OF DOVELES AS VERTICAL BARS ABOVE

4. REINFORCEMENT SHALL BE POSITIONED AND SUPPORTED IN ACCORDANCE WITH CRSI MANUAL FOR PLACING REINFORCING BARS

DOOR / WINDOWS

1. ALL WINDOW / DOOR BUCKS TO HAVE 1/4" BEAD OF CAULK BETWEEN BUCK AND BLK

2. ALL OPENING TO BE HURRICANE PROTECTED EITHER DOOR / WINDOW BEING IMPACTED RATED OR SHUTTER SYSTEM TO BE INSTALLED.

3. ALL DOOR / WINDOWS / SHUTTER INSTALLED PER BUILDING CODE AND THEIR FLORIDA PRODUCT APPROVAL

4. EGRESS WINDOWS SHALL HAVE A MIN NET OPENING OF 24" HIGH 20" WIDE AND MIN. NET CLEAR UNOBSTRUCTED AREA OF 5.0 SQ. FT. FOR SECOND FLOOR BOTTOM OF WINDOW NOT TO EXCEED 44" FROM FLOOR

5. ALL WINDOWS WITHIN 24" AND PARALLEL TO A DOOR SHALL BE TEMPERED. ALL WINDOWS OR GLASS ENCLOSURES AT OR WITHIN 36" OF TUBS AND SHOWERS WITH SILLS LESS THAN 60" ABOVE FLOOR SHALL BE TEMPERED. ALL GLASS IN SIDELIGHTS, SLIDING DOORS, AND FRENCH DOORS, SHALL BE TEMPERED

FRAMING

1. STRUCTURAL WOOD AND TIMBER FRAMING SHALL CONFORM TO THE TIMBER CONSTRUCTION MANUAL AS PUBLISHED BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.

2. ALL WOOD IN CONTACT TO BE PRESSURE TREATED

3. PLYWOOD SHEATHING AND DECKING SHALL BE APA APPROVED FOR SPANS AND EXPOSURE REQUIRED

4. ALL STRUCTURAL LUMBER SHALL HAVE THE FOLLOWING MIN. VALUES UNLESS NOTED. EXTREME FIBER STRESS IN BENDING Fb = 1200 PSI MIN. MODULUS OF ELASTICITY E = 1,600,000 PSI MIN. HORIZONTAL SHEAR STRESS Fv = 10PSI (SOUTHERN PINE # 2 WITH MAX. MOISTURE CONTENT OF 19% OR EQUAL)

DOOR / WINDOWS

1. ALL WINDOW / DOOR BUCKS TO HAVE 1/4" BEAD OF CAULK BETWEEN BUCK AND BLK

2. ALL OPENING TO BE HURRICANE PROTECTED EITHER DOOR / WINDOW BEING IMPACTED RATED OR SHUTTER SYSTEM TO BE INSTALLED.

3. ALL DOOR / WINDOWS / SHUTTER INSTALLED PER BUILDING CODE AND THEIR FLORIDA PRODUCT APPROVAL

4. EGRESS WINDOWS SHALL HAVE A MIN NET OPENING OF 24" HIGH 20" WIDE AND MIN. NET CLEAR UNOBSTRUCTED AREA OF 5.0 SQ. FT. FOR SECOND FLOOR BOTTOM OF WINDOW NOT TO EXCEED 44" FROM FLOOR

5. ALL WINDOWS WITHIN 24" AND PARALLEL TO A DOOR SHALL BE TEMPERED. ALL WINDOWS OR GLASS ENCLOSURES AT OR WITHIN 36" OF TUBS AND SHOWERS WITH SILLS LESS THAN 60" ABOVE FLOOR SHALL BE TEMPERED. ALL GLASS IN SIDELIGHTS, SLIDING DOORS, AND FRENCH DOORS, SHALL BE TEMPERED

ELECTRIC

PER N.E.C. 2008

1. ALL 120-VOLT SINGLE PHASE 15 AND 20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER COMBINATION -TYPE INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT (NEC 210.12(B)) TAMPER - RESISTANT RECEPTACLES (NEC 406.11) ARE REQUIRED IN DWELLING UNITS IN ALL AREAS AS SPECIFIED IN 2008 NEC 210.52 ALL 125 VOLT .15 AND 20 AMP RECEPTACLES

1. THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF THE ELECTRICAL WORK. ALL WORK SHALL BE DONE IN ACCORDANCE LATEST EDITIONS OF NATIONAL ELECTRIC CODE AND COMPLY WITH LOCAL RULES AND ORDINANCES

2. CONTRACTOR SHALL VERIFY EXACT LOCATION OF FIXTURES AND OUTLETS AT JOB SITE BEFORE ROUGHING-IN. CONTRACTOR SHALL VERIFY W/ FF&L EXACT LOCATION OF SERVICE AND LOCATE METER, DISCONNECT & PANEL

3. ELECTRICAL CONTRACTOR TO COORDINATE WITH THE CONTRACTOR AS TO LOCATION, SIZE LOADS ETC. ALSO ELECTRICAL CONTRACTOR TO COORDINATE WITH ALL OTHER TRADES AS TO AVOID CONFLICTS.

4. ELECTRIC CONTRACTOR TO PROVIDE ALL FITTINGS, WIRES, RACEWAYS, JUNCTION BOXES, ECT. NECESSARY TO COMPLETE JOB

5. LIGHT FIXTURES, PADDLE FANS, AND APPLIANCES TO BE INSTALLED BY ELE CTRICAL CONTRACTOR PER PLAN AND MANUFACTURES SPECS. AND PER OWNER LOCATIONS

6. UNLESS NOTED MIN WIRE SIZE #12 AWG

7. UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE COPPER WITH "THN" INSULATION FOR SIZE #10 AND SMALLER. CONDUCTORS LARGER THAN #10 SHALL HAVE "THN" INSULATION. ALL CONDUCTORS #10 AND SMALLER MAY BE SOLID. ALL CONDUCTORS #8 AND LARGER SHALL BE STANDARD.

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5/21/2015

11. SWITCHES TO BE 48" A.F.F. / RECEPTACLES 12" A.F.F. UNLESS NOTED OTHERWISE

10. PROVIDE PRE-WIRED / TELEPHONE TV AS PER PLAN. INTERSYSTEM BONDING TERMINATION FOR CONNECTING INTERSYSTEM BONDING AND GROUNDING CONDUCTORS SHALL BE PROVIDED FOR TV, COMMUNICATIONS, RADIO CATV ETC PER NEC 250.94

13A. ALL SMOKE DETECTORS SHALL BE LOCATED ON OR NEAR THE CEILING IN THE IMMEDIATE VICINITY OUTSIDE OF EACH SLEEPING AREA AND ON EACH ADDITIONAL FLOOR LEVEL. SMOKE DETECTORS TO BE LOCATED MIN. 3'-0" FROM AC RETURN AND SUPPLY GRILLS. DOORS TO BATHROOMS WASHER DRYERS, KITCHEN SMOKE DETECTORS MAY BE WITHIN 20FT OF A COOKING APPLIANCE IF THEY ARE OF THE PHOTOELECTRIC TYPE.

12. THE BRANCH CIRCUITS CONTAINING SMOKE DETECTORS SHALL HAVE ARC-FAULT PROTECTION PER NEC 210.12 SMOKE DETECTORS SHALL BE CONNECTED TO ARC-FAULT CIRCUITS AHEAD OF SWITCH AND HAVE SELF CONTAINED BATTERY BACK-UP. DETECTORS SHALL BE TANDEM WIRED SO ALL DETECTORS SOUND SIMULTANEOUSLY

13. CARBON MONOXIDE ALARM TO BE INSTALLED WITHIN 10FT OF ROOM USED FOR SLEEPING PURPOSES. WHEN THE BUILDING HAS A FOSSIL BURNING HEATER OR APPLIANCE FIREPLACE OR AN ATTACHED GARAGE. PRIMARY POWER SHALL COME FROM THE BUILDING WIRING WHEN SUCH WIRING IS SERVICED BY THE LOCAL POWER UTILITY SUCH ALARM SHALL HAVE BATTERY BACKUP.

14. ALL ALARMS SHALL BE LISTED OR LABELED BY A NATIONALLY RECOGNIZED TESTING LABORATORY

15. ALL CLOSETS LIGHTING SHALL BE 16" CLEAR FROM EDGE OF SHELVES AND COMPLY W/ NEC SEC 410.8

16. HYDRO - MASSAGE BATHTUBS MEET ACCESS AND BONDING REQUIREMENTS AS PER LATEST N.E.C. ART 680-12 & 680-13 PROVIDE G.F.C.I. PROTECTED CIRCUIT

8. ALL 110 V 10, 15, AND 20A RECEPTAGLES INSTALLED OUTDOORS, KITCHEN, GARAGE LAUNDRY, MEET BAR, AND BATHROOMS SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER.

9. ALL CONVENIENCE OUTLETS TO BE GROUND TYPE

10. PROVIDE PRE-WIRED / TELEPHONE TV AS PER PLAN. INTERSYSTEM BONDING TERMINATION FOR CONNECTING INTERSYSTEM BONDING AND GROUNDING CONDUCTORS SHALL BE PROVIDED FOR TV, COMMUNICATIONS, RADIO CATV ETC PER NEC 250.94

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ELECTRIC (CONT)

17. ALL BEDROOMS RECEPTACLES & LIGHTING TO BE PROTECTED BY ARC INTERRUPTING CIRCUIT BREAKERS

18. GAS LINES TO BE GROUNDED

PLUMBING

1. SANITARY LINES SHALL BE CAST IRON OR PVC SCHEDULE 40 AS APPROVED BY THE BUILDING OFFICIAL

2. ALL WATER SUPPLY LINES SHALL BE COPPER

3. HOT WATER LINES INSULATED WITH 1" AMAFLEX ABOVE

4. PROVIDE AIR CHAMBER WITH ALL WATER SUPPLIES.

5. CONDENSATE LINES SHALL BE 3/4" DIA PVC SCH 40 INSULATED W/ 1/2" AMAFLEX

6. COPPER WATER LINES RUN UNDER SLAB SHALL BE PROTECTED BY MIN. OF 12" OF EARTH COVER 1" AMFLEX (HOT WATER ONLY) AND SLEEVED 12" ABOVE SLAB

7. PROVIDE CONDENSATE DRIP PAN UNDERNEATH ELECTRIC WATER HEATERS. METAL PANS SHALL BE GALV. AND RUSTPROOF. PROVIDE DRAIN LINE FROM DRIP TO EXTERIOR.

8. ALL PLUMBING FIXTURES SHALL COMPLY WITH TABLE 604.3 F.B.C.

9. ALL PLUMBING FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH 409.2010 F.B.C.

10. HOSE BIBS SHALL BE PROVIDED WITH BACK FLOW PREVENTER LOCATIONS AS PER PLAN. NOTE TO ADD ONE (HB) BY POOL EQUIPMENT AND AS PER OWNER

11. ALL PLUMBING (VENTING ) PENETRATIONS THRU ROOF MUST BE 10 FT. FROM ANY ROOF JACKS. ALL ROOF PENETRATIONS TO BE TO THE REAR OF THE HOUSE

12. CONDENSATE DRAINS MIN 12" OFF BUILDING

13. ALL CLEANOUT TO GRADE

DESIGN CRITERIA  
EXPOSURE 'C' ASCE 7 - 102010 FBC  
BUILT TO WITHSTAND 180 MPH

JOHN HOLT ENGINEER  
PE 15292  
826 AZURE AVENUE  
WELLINGTON FLORIDA 33414

THE SIGNATURE AND PROFESSIONAL SEAL AFFIXED TO THESE PLANS  
ACKNOWLEDGE THESE PLANS  
ARE IN COMPLIANCE WITH  
HIDDEN BRIDGE ESTATES  
BUILDING GUIDELINES

RESIDENCE FOR  
MR. AND MRS VASSALLO

NEW RESIDENCE LOCATED:  
LOT 15 HIDDEN BRIDGE  
8104 SE HIDDEN BRIDGE COURT  
JUPITER FLORIDA 33459  
21-40-42-004-000-00150-0

BUILDER  
ALUMINUM INNOVATIONS  
ADAM FAZZAGLIA  
561-644-7477  
ADAM@AL-IN.COM

DATE:

5/21/2015

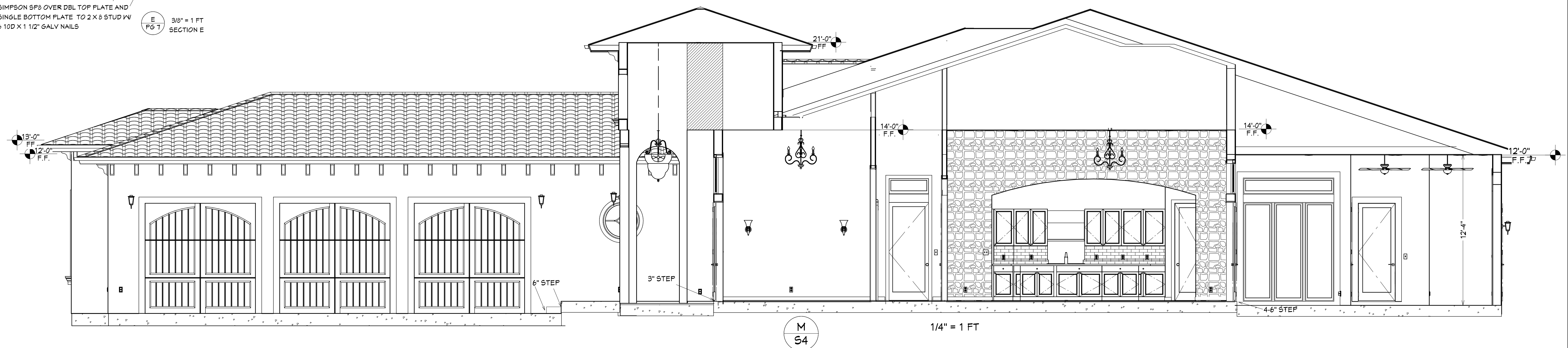
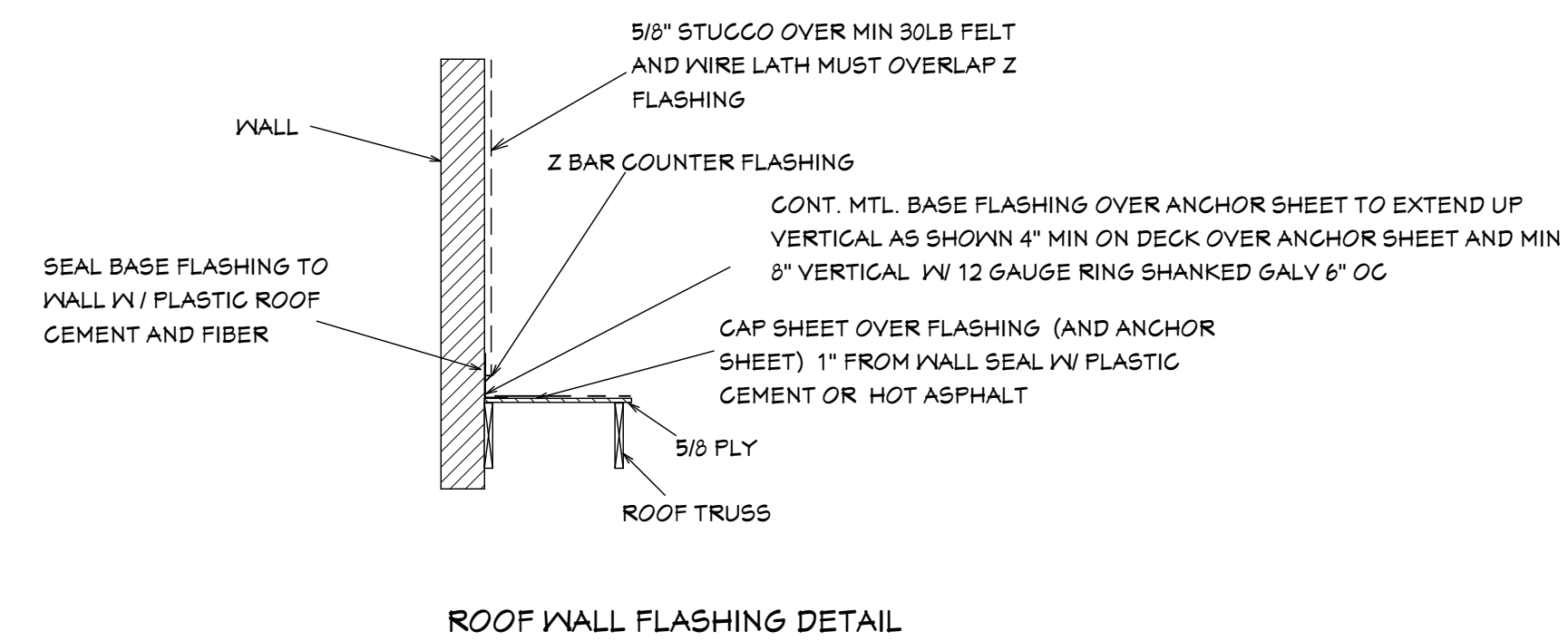
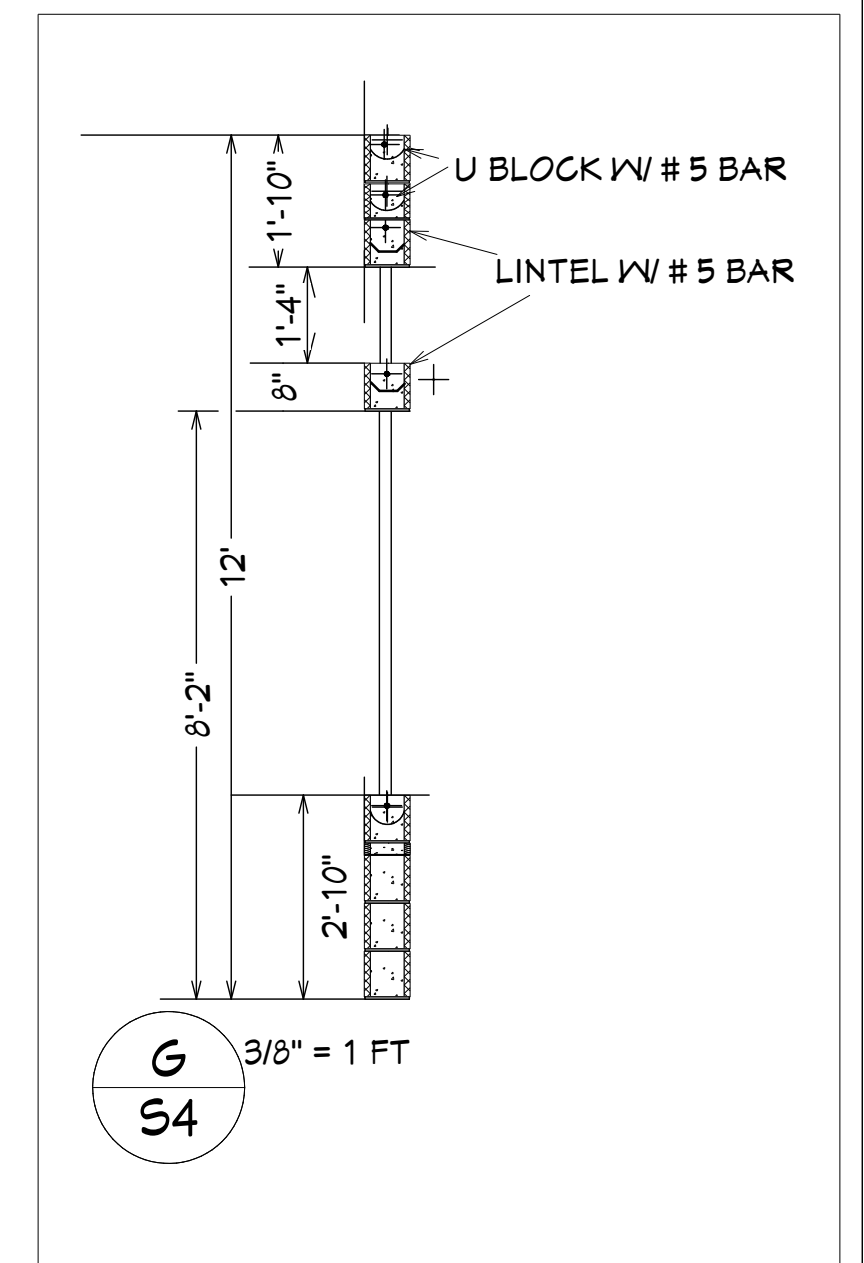
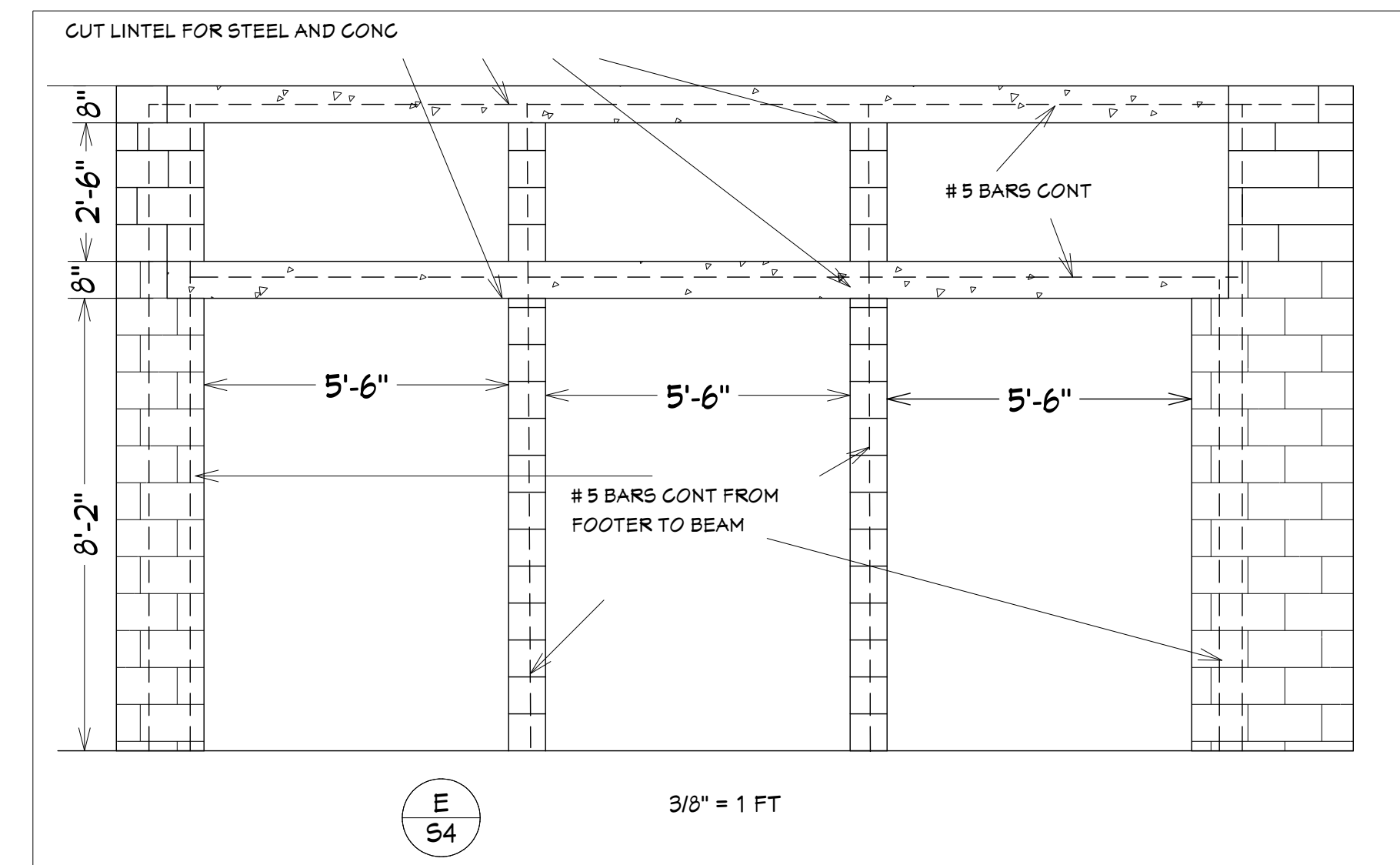
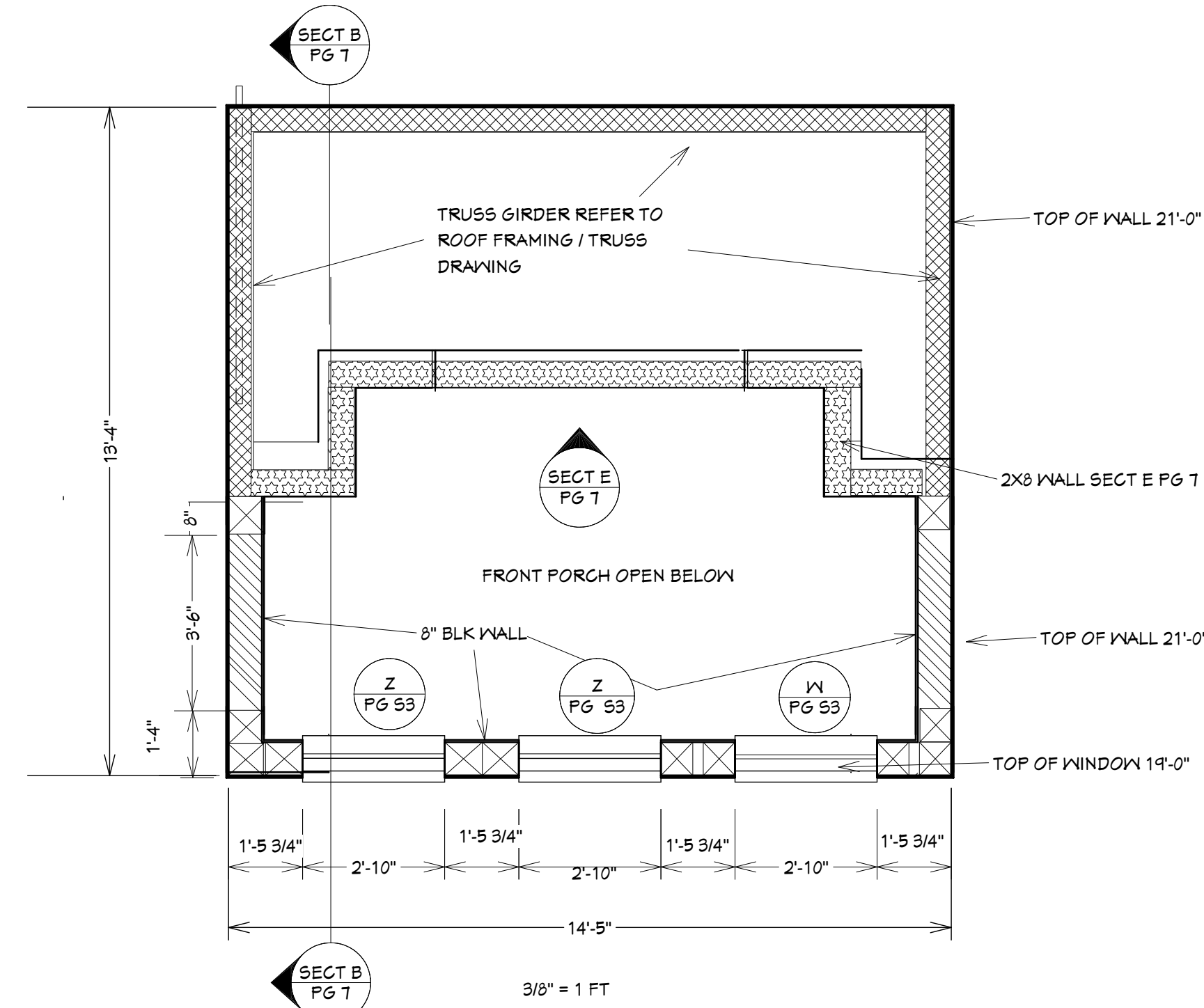
SCALE:  
3/16" = 1 FT

OR  
AS NOTED

SHEET:

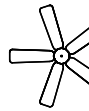

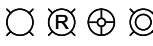





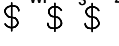

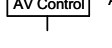

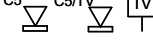






53





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ELECTRICAL - DATA - AUDIO LEGEND	
SYMBOL	DESCRIPTION
	Ceiling Fan
	Ventilation Fans: Ceiling Mounted, Wall Mounted
	Ceiling Mounted Light Fixtures: Surface/Pendant, Recessed, Heat Lamp, Low Voltage
	Wall Mounted Light Fixtures: Flush Mounted, Wall Sconce
	Chandelier Light Fixture
	Fluorescent Light Fixture
	240V Receptacle
	110V Receptacles: Duplex, Weather Proof, GFCI
	Switches: Single Pole, Weather Proof, 3-Way, 4-Way
	Switches: Dimmer, Timer
	Audio Video: Control Panel, Switch
	Speakers: Ceiling Mounted, Wall Mounted
	Wall Jacks: CAT5, CAT5 + TV, TV/Cable
	Telephone Jack
	Intercom
	Thermostat
	Door Chime, Door Bell Button
	Smoke Detectors: Ceiling Mounted, Wall Mounted
	Electrical Breaker Panel

200 AMP CIRCUIT BREAKER PANEL SCHEDULE									
CIRCUIT NO.	CIRCUIT BREAKER SIZE	CIRCUIT DESCRIPTION	LOAD (WATTS)	WIRE SIZE	CIRCUIT NO.	CIRCUIT BREAKER SIZE	CIRCUIT DESCRIPTION	LOAD (WATTS)	WIRE SIZE
1	60	A.H.U. 2	10000	6	2	60	COND 2	10000	6
3	"	"	"	"	4	"	"	"	"
5	"	"	"	"	6	"	"	"	"
7	"	"	"	"	8	"	"	"	"
9	60	A.H.U. 3	10000	6	10	60	COND 3	10000	6
11	"	"	"	"	12	"	"	"	"
13	"	"	"	"	14	"	"	"	"
15	"	"	"	"	16	"	"	"	"
17	25	WATER HEATER 1	4500	10	18	20	REFRIGERATOR	1000	12
19	"	"	"	"	20	20	WINE REFRIG	1000	12
21	30	DRYER	5000	10	22	20	MICROWAVE	1500	12
23	"	"	"	"	24	20	KIT SMALL APPL	1200	12
25	40	COOK TOP	4500	8	26	20	KIT SMALL APPL	1200	12
27	40	OVEN	5000	8	28	20	WASHER	1200	12
29	15.3 KWATTS PER 5250 SQ FT		15714	14	30	15	GARAGE DOOR 4	600	12
31	"	"	"	"	32	15	GARAGE DOOR 5	600	12
33	"	"	"	"	34	15	GARAGE DOOR 6	600	12
35	"	"	"	"	36	15	LIGHTS & RECIP	2000	14
37	"	"	"	"	38	"	"	"	"
39	"	"	"	"	40	"	"	"	"

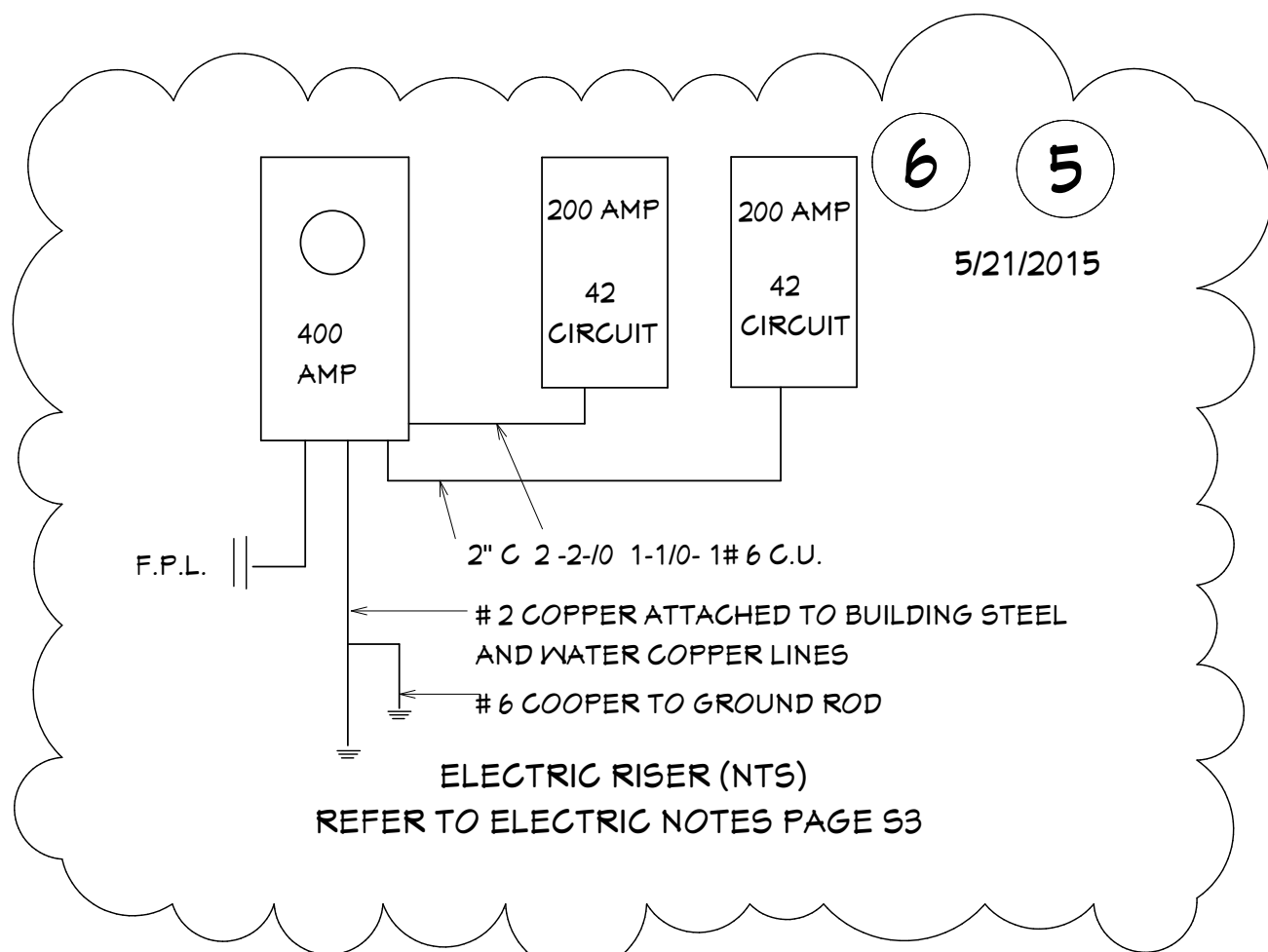
TOTAL ESTIMATED LOAD = 63,614 KWATTS

TOTAL ESTIMATED DEMAND = 43,410 DIVIDED BY 240 VOLTS = 182 AMPS

FIRST 10,000 KWATTS @ 100% = 10,000

REMAINING KWATTS @ 40% = 13,410

AC @ 100% = 20,000



JENRAE ELECTRIC  
9289 COVE POINT CIRCLE  
BOYNOTN BEACH FL 33472  
EC13003122

THE SIGNATURE AND PROFESSIONAL SEAL AFFIXED TO THESE PLANS ACKNOWLEDGE THESE PLANS ARE IN COMPLIANCE WITH HIDDEN BRIDGE ESTATES BUILDING GUIDELINES	JOHN HOLT ENGINEER PE 15252 826 AZURE AVENUE WELLINGTON FLORIDA 33414	DESIGN CRITERIA EXPOSURE "C" ASCE 7 - 102010 FBC BUILT TO WITHSTAND 180 MPH
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RESIDENCE FOR  
MR. AND MRS VASSALLO

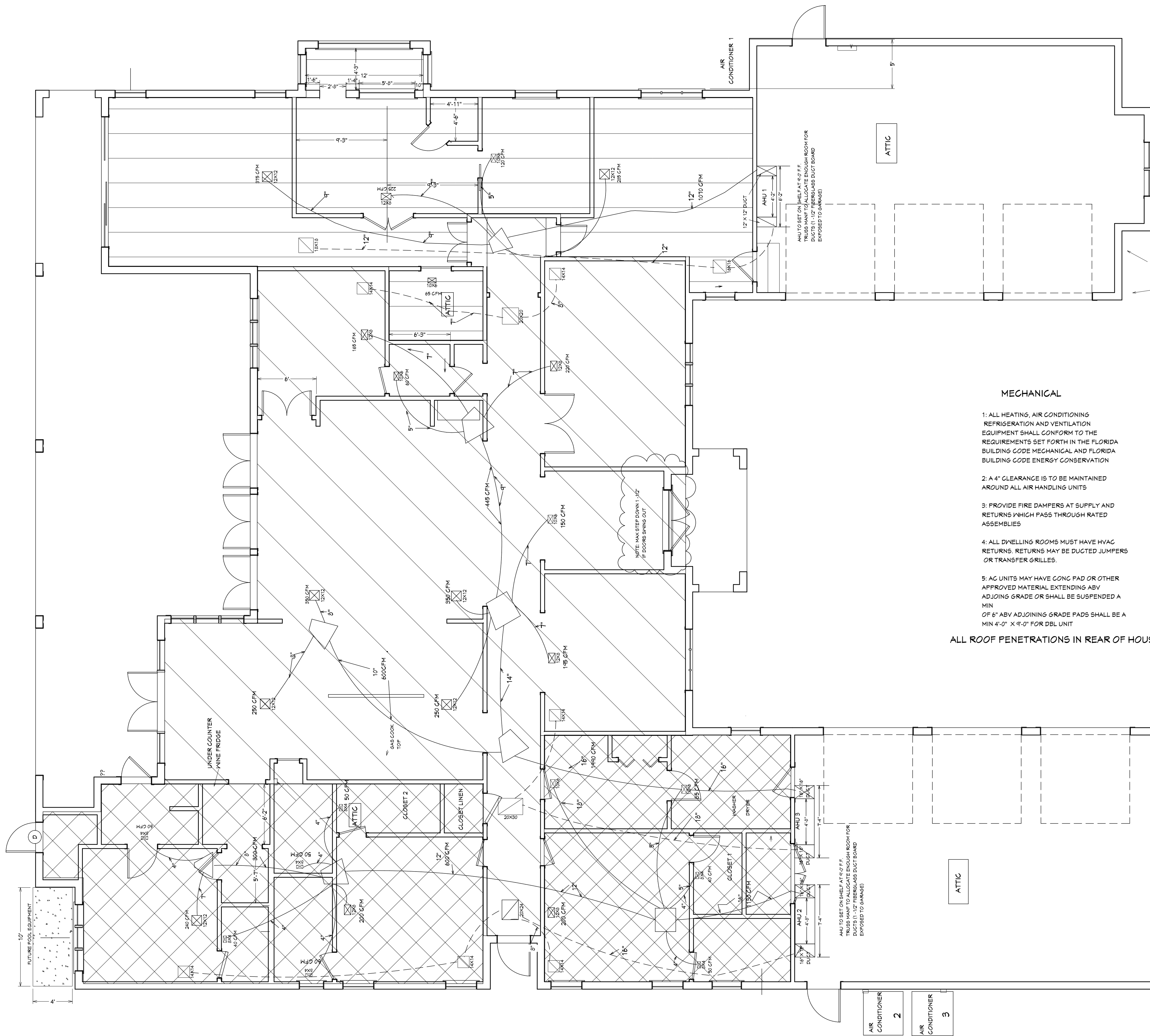
NEW RESIDENCE LOCATED:  
LOT 15 HIDDEN BRIDGE  
8109 SE HIDDEN BRIDGE COURT  
JUPITER FLORIDA 33458  
21-40-42-004-000-00150-0

**BUILDER**  
**ALUMINUM INNOVATIONS**  
**ADAM PAZZAGLIA**  
**561-644-7477**  
**ADAM@AL-IN.COM**

DATE:
5/21/2015
SCALE: 3/16" = 1 FT
OR AS NOTED
SHEET:

E1





- MECHANICAL**
- 1: ALL HEATING, AIR CONDITIONING REFRIGERATION AND VENTILATION EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN THE FLORIDA BUILDING CODE MECHANICAL AND FLORIDA BUILDING CODE ENERGY CONSERVATION
  - 2: A 4" CLEARANCE IS TO BE MAINTAINED AROUND ALL AIR HANDLING UNITS
  - 3: PROVIDE FIRE DAMPERS AT SUPPLY AND RETURNS WHICH PASS THROUGH RATED ASSEMBLIES
  - 4: ALL DWELLING ROOMS MUST HAVE HVAC RETURNS. RETURNS MAY BE DUCTED JUMPERS OR TRANSFER GRILLES.
  - 5: AC UNITS MAY HAVE COND PAD OR OTHER APPROVED MATERIAL EXTENDING ABV ADJOINING GRADE OR SHALL BE SUSPENDED A MIN OF 6" ABV ADJOINING GRADE PADS SHALL BE A MIN 4'-0" X 9'-0" FOR DBL UNIT
- ALL ROOF PENETRATIONS IN REAR OF HOUSE

PLEASE NOTE HATCH PATTERN FOR CORRESPONDING

1204 SQ FT

AC SYSTEM 1

MANUFACTURER	RUDD
AIR HANDLER	RHLLHM3821JA
CONDENSER	14AJM30A01
TON:	2.5
KW	8
SEER	16
BTU TOTAL	29,600
BTU SENSIBLE	21,650

5/21/2015

1461 SQ FT

AC SYSTEM 2

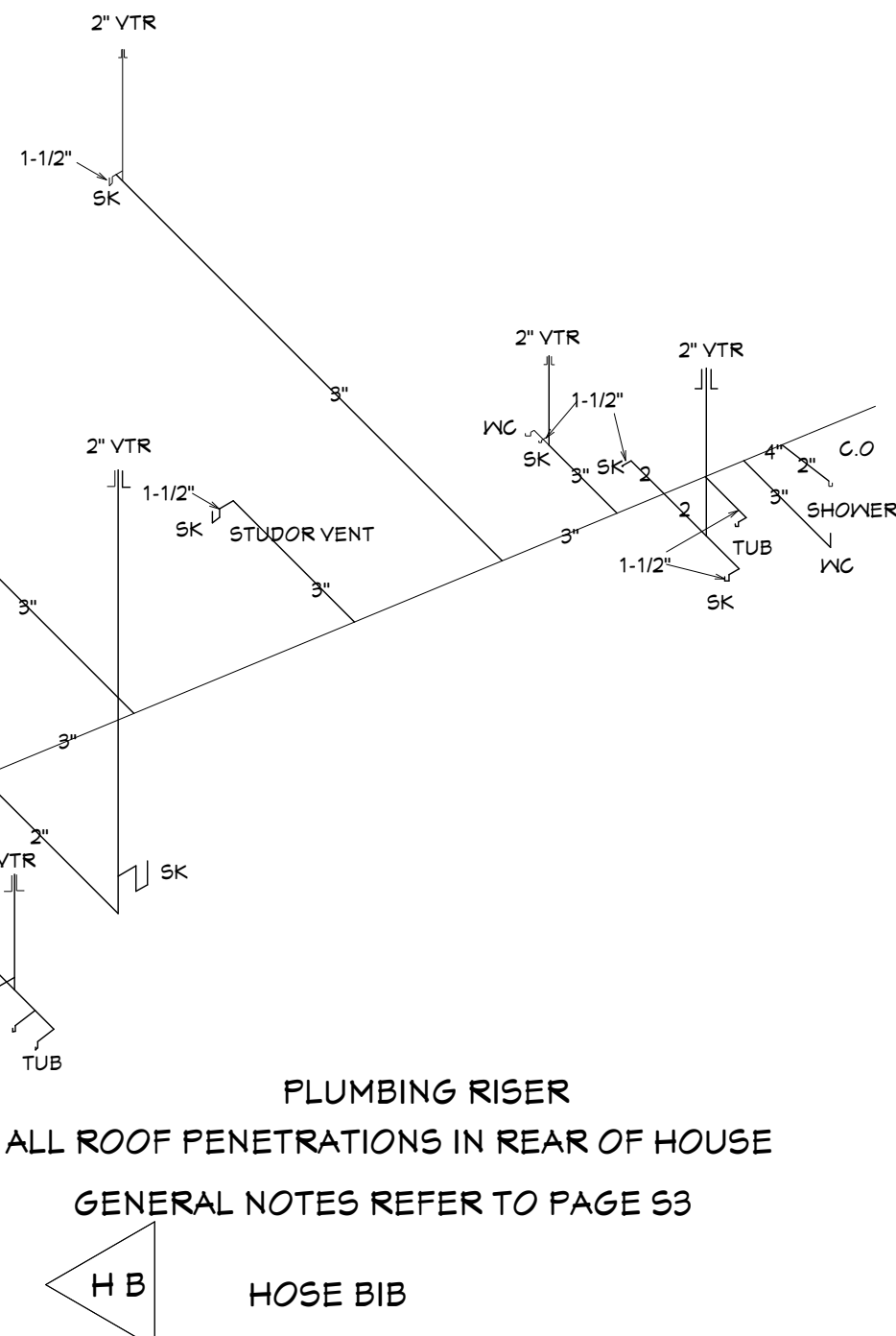
MANUFACTURER	RUDD
AIR HANDLER	RHLLHM3821JA
CONDENSER	14AJM36A01
TON:	3
KW	10
SEER	16
BTU TOTAL	36,800
BTU SENSIBLE	27,250

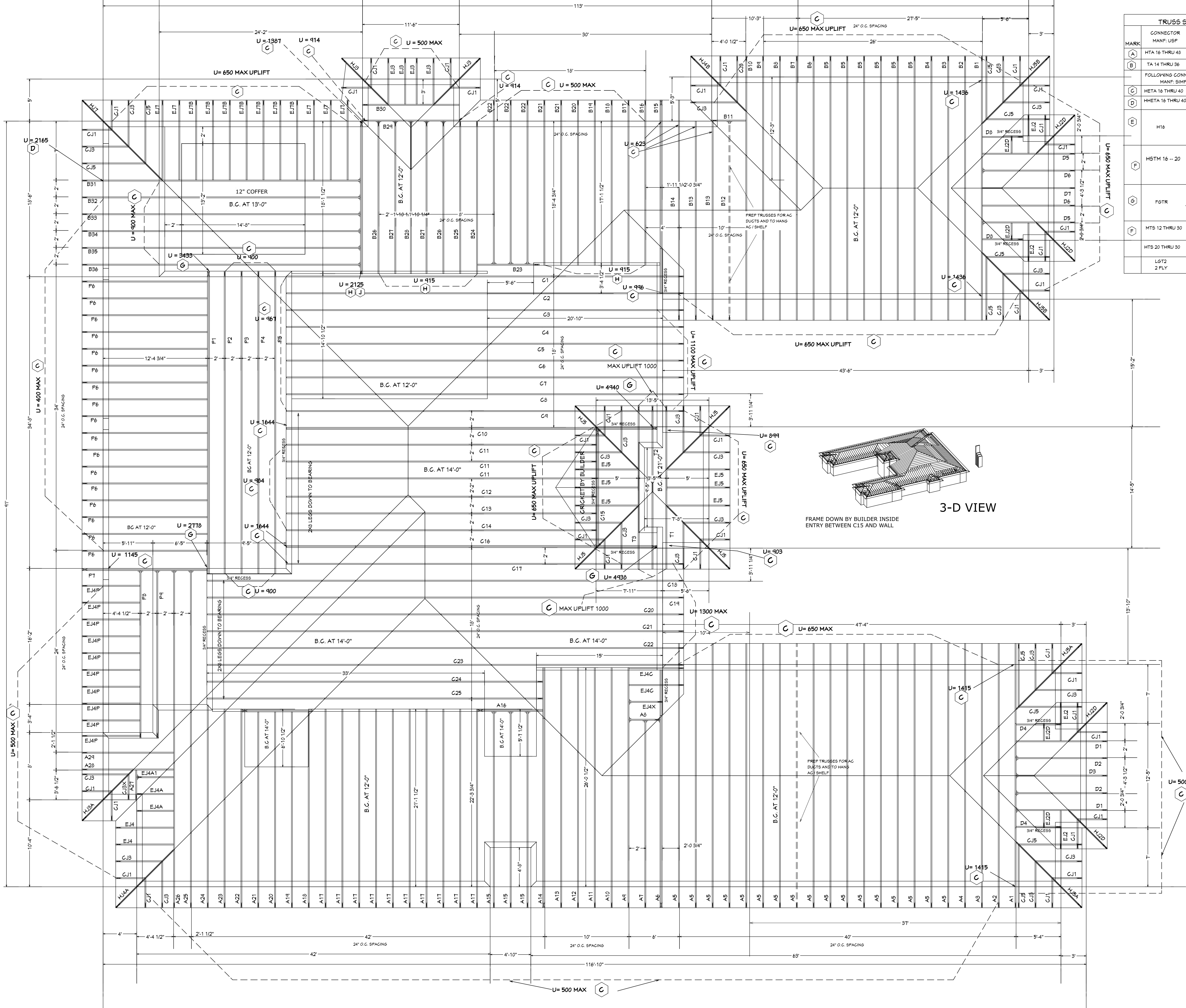
2418 SQ FT

AC SYSTEM 3

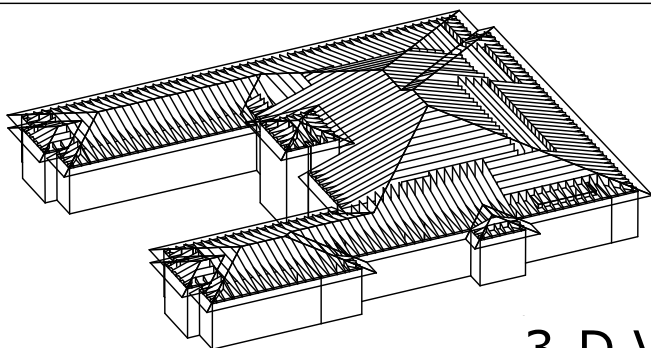
MANUFACTURER	RUDD
AIR HANDLER	RHLLHM6024JA
CONDENSER	14AJM56A01
TON:	5
KW	10
SEER	16
BTU TOTAL	54,000
BTU SENSIBLE	38,800

DO NOT SCALE DRAWINGS  
WRITTEN DIMENSIONS TAKE  
PRECEDENCE OVER SCALED  
DIMENSIONS. CONTRACTOR TO  
VERIFY ALL DIMENSIONS  
BEFORE BEGINNING  
CONSTRUCTION.





TRUSS STRAP SCHEDULE									
MARK	CONNECTOR MANF. USP	FASTENERS PER TRUSS	ALLOWABLE UPLIFT		PERP. TO TRUSS F1		PARALLEL TO TRUSS F2		FL PR APPROVAL
			SINGLE STRAP	DBL STRAP	SINGLE STRAP	DBL STRAP	SINGLE STRAP	DBL STRAP	
(A)	HTA 16 THRU 48	10-10D X 1-1/2" GALV	1615	3200	590	1160	660	1160	FL 859
(B)	TA 14 THRU 36	10-10D X 1-1/2" GALV	1205	2410	245	490	395	610	
FOLLOWING CONNECTORS MANF. SIMPSON									
(C)	HETA 16 THRU 40	10-10D X 1-1/2" GALV	1810		340		725		FL 14473
(D)	HHETA 16 THRU 40	10-10D X 1-1/2" GALV	2295		340		815		FL 14473
(E)	H16	2-10D X 1-1/2" GALV TO TRUSSES 6-1/4" X 2 1/4" TITEN CONG. SCREWS TO BLK	1470						FL 11470
(F)	H5TM 16 --20	10-10D X 1 1/2" GALV TO TRUSSES 4-1/4" X 2 1/4" TITEN CONG. SCREWS TO BLK	1175		295		90		FL10852
(G)	F6TR	TO TRUSSES 18-8DS 1/4" X 3" TO BLK (FILLED) 2-1/2" X 5" TITEN HD FASTENERS ARE PER ANCHOR	5000	4400					FL11473
(H)	MTS 12 THRU 30	14 10D X 1 1/2" GALV NAILS TRUSSES TO WOOD STUD	1000		860		860		FL10852
(I)	HTS 20 THRU 30	24 10D X 1 1/2" GALV NAILS TRUSSES TO WOOD STUD	1450						FL13872 FL10456
(J)	L6T2 2 PLY	14-16D SINKERS STUD 16-16D SINKERS GIRDER	2050						FL 11470



FRAME DOWN BY BUILDER INSIDE  
ENTRY BETWEEN C15 AND WALL

3-D VIEW

TRUSS LOADING	
ROOF	
TOP LIVE LOAD	30 PSF
TOP DEAD LOAD	15 PSF
BOTTOM DEAD LOAD	10 PSF
TOTAL =	50 PSF
DUR. FACTOR SPACING	1.33 24"
WIND	2010 FBC BUILT TO WITHSTAND 180 MPH
DEFLECTION	L/360 MAX
ROOF SHEATHING AND NAILING ALL AREAS	
SHEATHING	19/32 APA RATED 40/ 20EXPOSURE CDX PLYWOOD
NAILING	4" OC EDGES 4" OC FIELD
TYPE	10D GALV NAILS RING SHANK

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5/21/2015

DESIGN CRITERIA  
EXPOSURE 'C' ASCE 7 - 102010 FBC  
BUILT TO WITHSTAND 180 MPH

JOHN HOLT ENGINEER  
PE 15252  
826 AZURE AVENUE  
WELLINGTON FLORIDA 33414

THE SIGNATURE AND  
PROFESSIONAL SEAL AFFIXED  
TO THESE PLANS  
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21-40-42-004-000-00150-0

BUILDER  
ALUMINUM INNOVATIONS  
ADAM PAZZAGLIA  
561-644-7477  
ADAM@AL-IN.COM

DATE:  
5/21/2015

SCALE:  
3/16" = 1 FT  
OR  
AS NOTED

SHEET:  
R1