



**ENGINEERS
PLANNERS
CONSULTANTS**



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August 6, 2015

Mr. Alan Greene, P.E.
State of North Carolina
Department of Insurance
Manufactured Building Division
322 Chapanoke Road
Suite 200
Raleigh, NC 27603

RE: R-Anell Housing Group. LLC
Model: RJ553-A1 -NC

Dear Mr. Greene,

Enclosed, you will find one (1) copy of the above mentioned project for your files.

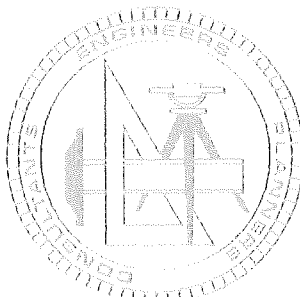
Should you have any questions or comments, please contact me at your earliest convenience.

Sincerely,

Michael Faller

Michael Faller
Modular Building Specialist

Enclosures



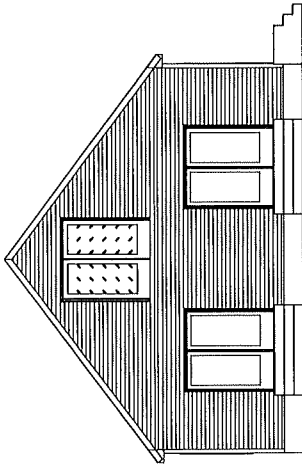
Adopted Codes: State of North Carolina

- 2012 North Carolina Residential Code
- 2011 North Carolina Electrical Code
- 2012 North Carolina Energy Code
- 2012 North Carolina Mechanical Code
- 2012 North Carolina Plumbing Code

Model: RJ553-A1

Customer: Stock
 Dealer: Custom Built Homes

Builder:
R-Anell Housing Group, LLC
 Subsidiary of The Commodore Corporation
 235 Anthony Grove Rd.
 Crouse, NC 28033



Project Location:

22019 Hwy 17
 Hampstead NC 28443
 Pender County

Occupancy:

Occupancy: IRC - Single Family Dwelling
 Construction Type: 5B (Wood Frame - Unprotected)
 Number of Stories: One Story Cape

Design Load:

Floor Area: 2040 Sq.Ft.
 Ground Snow Load: 20 psf
 Top Chord Dead Load: 7 psf
 Wind Speeds: IRC = 130 mph, ASCE 7-10 Ulf. = N/A mph
 Seismic Design Category: C
 Floor Live Load: 40 psf
 Floor Dead Load: 10 psf
 Bottom Chord Live Load: See Truss psf
 IECC Geographical Code: 3

Insulation

Reference RESCheck for Requirements.

Attention Local Inspection Departments:

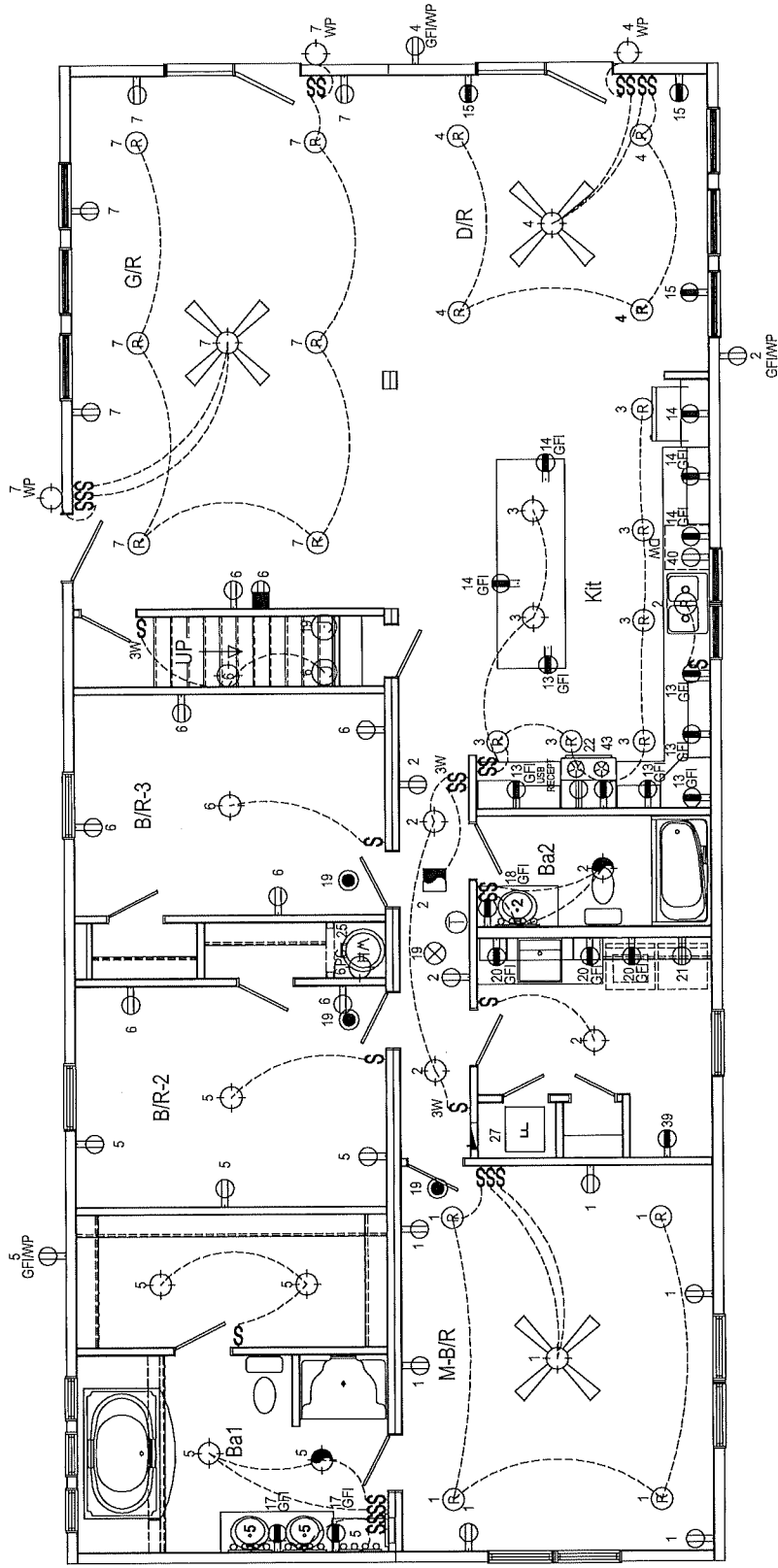
1. Set-up instructions for this modular unit are included by attachment to these plans. Any plans set that does not include an attachment entitled "MODULAR HOME INSTALLATION MANUAL" is incomplete.
2. The following items are not completed by the home manufacturer, are not inspected by in-factory third party inspectors, and are not certified by the modular compliance label: (A) Components or connections for heating or air conditioning systems which are NOT part of the factory installation. (B) Below floor ducts and DWV. (C) Electrical service disconnect. (D) Foundation designs and attachments. In order to verify that all required systems connections are complete, refer to the "Inspection Check Sheet" in the manufacturer's modular home installation manual. Regardless of factory or site installation, the furnace, water heater, and all elements of heating system must be per applicable codes, (refer to ResCheck if applicable).
3. Site installed furnace must meet IECC Energy Efficiency Certificate if applicable.
4. This unit must be connected to a public water supply and sewer system if these are available.
5. If this structure is in a thermal zone more stringent than that listed on these plans, is set on pilings, or is installed at a mountain, region or coastal high hazard site such that wind or other design parameters are increased, the design must be determined to be adequate for actual site conditions. Alterations may be required to bring the home into compliance with the more stringent conditions.
6. Soffit materials for this unit assume that the building face will be 10 feet or greater from the property line when installed on site. Where the building face is less than 10 feet from the property line, underlayment materials and ventilation in accordance with Section R703.11.3, NC Residential Code, must be provided and installed at the site and inspected by the local jurisdiction.
7. If after installation of this home, the lowest part of the clear opening of any window is more than 72" above the finished grade, guards will be required to be installed onsite in accordance with Section R612; subject to local inspection.

Drawing Index

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Cross Section	XS
Perimeter Heat Duct Layout	HS
Ceiling Return Air System	HR
Braced Walls-Prescriptive	BWP
Schedules and General Notes	NG
ResCheck	ATTACHED
Truss Diagram	ATTACHED
HVAC System Calculations	ATTACHED
Dryer Vent Installation	ATTACHED

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 Approval of this document does not constitute or represent an endorsement of the product from the requirements of applicable State Laws.
Michael Faller



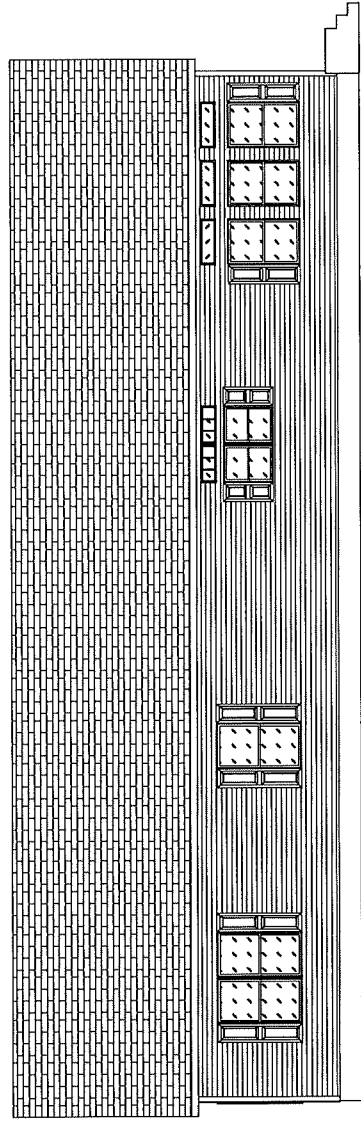
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NTA INC.
 08/06/15
 Approval of this document does not authorize or approve any deviation or deviations from the requirements of applicable State Laws.
 Michael Faller

Modeling No.:	RJ563-A1
Scale:	3/16" = 1'-0"
Date:	08/03/2015
Drawn By:	ME
Revised By:	NONE
Customer:	Custom Built Homes
Drawn:	SN 40289
Revisions:	
Calculation:	3268
Builder:	Builder R-Anell Housing Group, LLC - Subsidiary of The Commodore Corp.
Title:	Electrical Plan

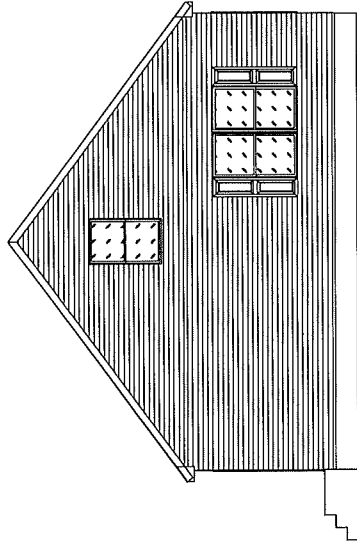
See Schedules and General Notes Page

ELEVATIONS SHOWN ON THIS PAGE REPRESENT BASIC COMPONENTS AND ARE NOT INTENDED TO BE ALL INCLUSIVE, NOR DO THESE ELEVATIONS DETAIL EVERY CODE REQUIRED ASPECT OF THIS BUILDING. SITE BUILT STOOPS, STEPS, DECKS, PORCHES, HANDRAILS AND/OR SIMILAR ITEMS MUST BE PROVIDED BY OTHERS ON SITE FOR COMPLIANCE WITH APPLICABLE CODES. COMPLIANCE WITH ALL APPLICABLE CODES PER LOCAL AUTHORITY HAVING JURISDICTION, WHETHER DETAILED IN THIS SET OR NOT, MUST BE MET.

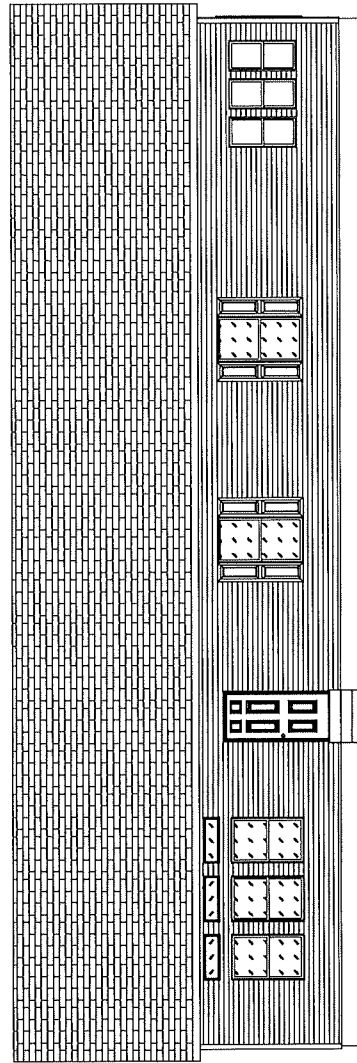
3658 WINDOW



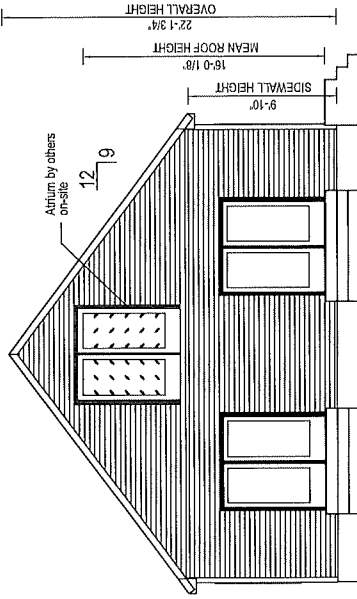
LEFT VIEW



REAR VIEW




RIGHT VIEW



FRONT VIEW

- NOTES:**
1. FOUNDATION SHALL BE DESIGNED AND CONSTRUCTED BY OTHERS WHERE "OTHERS" REFERS TO THE DEALER BUILDER.
 2. GUTTERS AND LEADERS SHALL BE INSTALLED BY OTHERS.
 3. TYPICAL 12" OR 16" VINYL SHUTTERS PROVIDED BY MANUFACTURERS.
 4. ALL FOOTINGS, RAILINGS AND STEPS SHALL BE FIELD INSTALLED IN COMPLIANCE WITH APPLICABLE STATE AND LOCAL CODES.
 5. SIDING SHALL BE VINYL SIDING WITH VINYL TRIM, AND MAY BE PARTIALLY INSTALLED ON SITE.
 6. EXTERIOR LIGHTS MAY BE SHIPPED LOOSE FOR INSTALLATION ON SITE.
 7. ROOFING SHINGLES MAY BE PARTIALLY SITE INSTALLED.
 8. PORCH RAILINGS ARE PVC. TREATED LUMBER PORCH POSTS MAY BE COVERED WITH VINYL. PORCH DECKING SHALL BE TREATED.
 9. ALL EXTERIOR COVERINGS SHALL BE WEATHER AND DECAY RESISTIVE TO PROVIDE PROPER PROTECTION FOR UNTREATED MATERIALS.

APPROVED BY



08/06/15

Approval of this document does not authorize or represent approval from the Department of Public Safety or the Department of Transportation of applicable State Laws.

Michael Faller

Builder	R-Anell Housing Group, LLC - Subsidiary of The Commodore Corp.	Modeling No.	RJ563-A1
Title	Elevations	Sheet No.	EL
Scale	N.T.S.	Date	07/17/2015
Drawn By	JLR	Rev. No.	NONE
Checked By		Client	Shck
Project No.		Project	Dir. Custom Built Homes
Revision		Sheet	SN 40269
Number			
Date			
Calcut	3258		

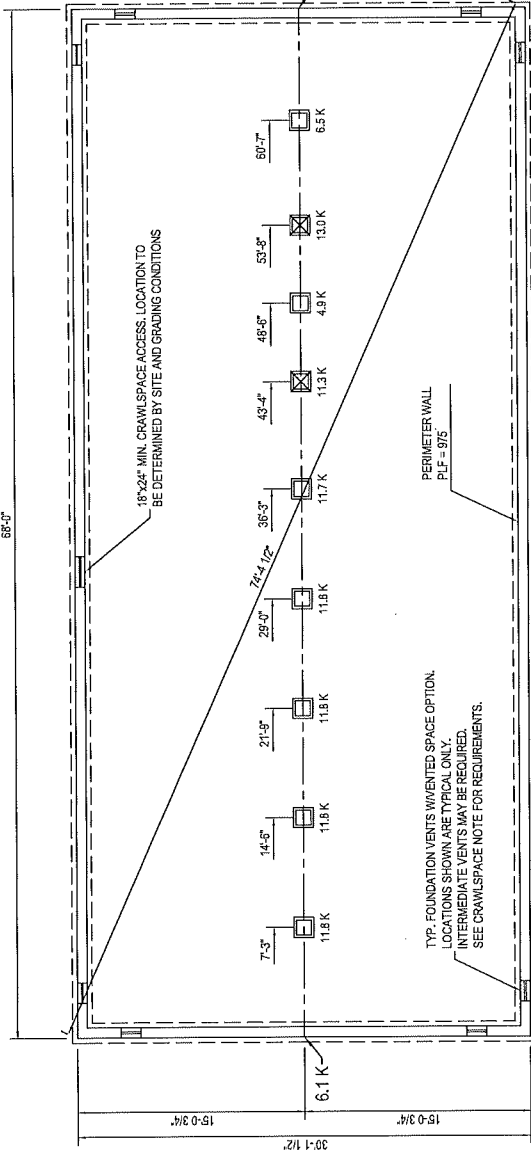
FOOTING SIZE	2000 PSF SIZE MAX. LOAD (LBS.)
16"x16"x6"	3.4K
20"x20"x6"	5.3K
24"x24"x8"	7.6K
30"x30"x10"	11.6K
36"x36"x15"	16.3K
42"x42"x16"	21.9K

COLUMNS & FOOTINGS GROUND BENEATH LOAD
MUST BE RATED TO MEET THE CENTER LINE LOADS LISTED
20 PSF

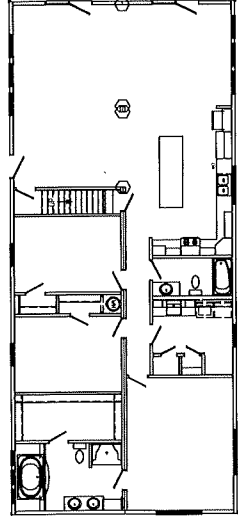
* = 4" THICK PRE-CAST FOOTER OF EQUIVALENT WIDTH AND LENGTH MAY BE USED IN PLACE OF A 6" THICK CAST IN PLACE FOOTER.

FOR CONNECTION OF THE HOME TO FOUNDATION AT BRACING WALLS, REFER TO "BRACED WALLS-CALCULATED" PAGE, IF APPLICABLE. WHEN THIS PAGE IS PRESENT, HORIZONTAL AND OVERTURNING (RACKING) LOADS AT BRACING WALL LOCATIONS ARE INDICATED FOR THESE FOUNDATION CONNECTIONS. THESE LOADS MAY BE RECALCULATED AND REDESIGNED PER LOCAL CODES TO CONFORM TO SITE CONDITIONS AS REQUIRED. REFER TO CHAPTER 4 (4.5.3 FOUNDATION TIE-DOWNS) OF THE "MODULAR HOME INSTALLATION MANUAL" FOR ADDITIONAL INFORMATION. REFER TO IRC GUIDELINES FOR CONNECTION OF HOME TO FOUNDATION WHEN "BRACED WALLS-PREScriptive" PAGE IS APPLICABLE.

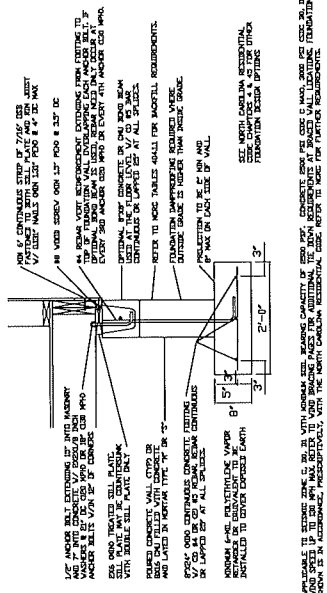
FOUNDATION SHOWN MUST BE DESIGNED BY OTHERS TO THE SITE CONDITIONS. THIS INCLUDES SEISMIC DESIGN AND ATTACHING THE HOME TO THE FOUNDATION, ALONG WITH RESISTANCE TO LATERAL, LONGITUDINAL, SHEAR, UPLIFT AND DOWNLIFT FORCES IN BOTH DIRECTIONS.



TYP. FOUNDATION VENTS VENTED SPACE OPTION. LOCATIONS SHOWN ARE TYPICAL ONLY. INTERMEDIATE VENTS MAY BE REQUIRED. SEE CRAWLSPACE NOTE FOR REQUIREMENTS.



- 1. FOUNDATION LAYOUT IS APPLICABLE TO NOTED MAXIMUM SNOW, LOADING AND MINIMUM SOIL BEARING PRESSURE. REFER TO INSTALLATION MANUAL FOR OTHER APPLICABLE INFORMATION. CONSULT LOCAL OFFICIALS AND THE APPLICABLE LOCAL CODES FOR OTHER REQUIREMENTS (E.G. DRAINAGE, DAMP-PROOFING, BACKFILL SUPPORT, ETC.).
- 2. WALL DIMENSIONS SHOWN INCLUDE A 3/4" ALLOWANCE PER HOME SECTION FOR HOMES WITH FACTORY-INSTALLED O.S.B. ON THE MARRIAGE WALL PLUS ALLOWANCE DUE TO OTHER FACTORS. IF HOME DOES NOT INCLUDE O.S.B. ON THE MARRIAGE WALL, MATE LINE FOUNDATION WIDTH IS TO BE SIZED EQUAL TO ACTUAL MANUFACTURED FLOOR WIDTH. LESSER DIMENSION, IF SHOWN, INDICATES ACTUAL FLOOR WIDTH. THESE DIMENSIONS DO NOT ALLOW FOR ANY VARIANCE THAT MAY OCCUR IN SITE INSTALLATION SUCH AS GAPPING, OFF CENTER SET OR OTHER FIELD-ENCOUNTERED VARIABLES. ANY ADJUSTMENTS NEEDED IN FOUNDATION WIDTH DUE TO SUCH VARIANCES ARE AT THE DISCRETION OF THE INSTALLER.
- 3. FOR DEVIATIONS &/OR OTHER FOUNDATION DESIGNS CONSULT A LOCAL PROFESSIONAL ENGINEER & YOUR LOCAL BUILDING OFFICIAL.
- 4. SILL PLATE FASTENING TO BE PER INSTALLATION MANUAL AND/OR LOCAL CODES. SILL FASTENING REQUIREMENT IS PER APPLICABLE WIND SPEED AND SEISMIC ZONES. SEE YOUR HOME DATA PLATE FOR APPLICABLE ZONES.
- 5. CONCRETE COMPRESSIVE STRENGTH (FC): 2500 PSI MINIMUM.
- 6. CENTERLINE LINE SUPPORTS AND SPACING ARE BASED ON (2) 2X10'S SPP#2 ON EACH HALF (4-2X10'S TOTAL).
- 7. CRAWLSPACE VENTILATION IS NOT REQUIRED WHEN INSULATION IS APPLIED TO CRAWLSPACE WALLS AS REQUIRED BY RESCHECK (CONDITIONED AIR). INSTALLATION OF VENTS IN CRAWLSPACE WALLS WOULD MANDATE INSULATING THE FLOOR SYSTEM PER APPLICABLE THERMAL CALCULATIONS. REFER TO IRC 408.2 (1 SQ. FT. NET PER EACH 150 SQ. FT. OF FOUNDATION AREA).
- 8. FOUNDATION CONSTRUCTION AND TIE DOWN REQUIREMENTS FOR HOMES LOCATED IN 90 MPH OR LESS WIND ZONES MAY USE IRC GUIDELINES UNLESS NOTED OTHERWISE.



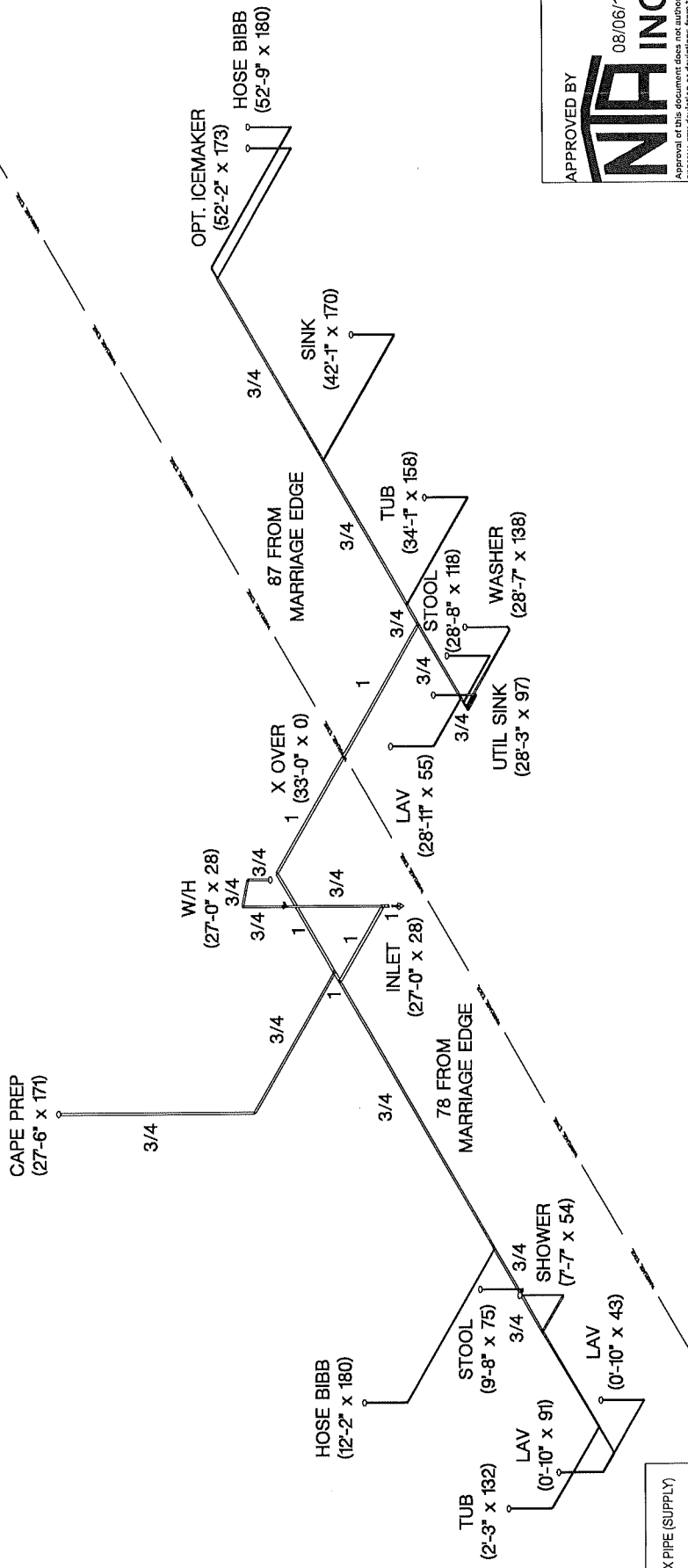
APPLICABLE TO SEISMIC ZONE 2, PER 2018 INTERNATIONAL BUILDING CODE (IBC) 6.01.03 AND PER FOUNDATION AND WALL REQUIREMENTS, REFER TO THE APPLICABLE LOCAL CODES. REFER TO THE APPLICABLE LOCAL CODES FOR OTHER REQUIREMENTS.

APPROVED BY
MTA INC.
 08/06/15
 Michael Faller
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Building No. RJ553-A1 Part: FD20#	Date: 08/03/2015 Drawn By: NONE Scale: 1/8" = 1'-0" Orientation: NE	Sheet: 3258 Number: 40239	Manufacturer: Custom Built Homes Serial Number: 40239
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Builder: R-Anell Housing Group, LLC - Subsidiary of The Commodore Corp.
 Title: 2x10 Marriage Line without Stair Foundation

- NOTE:**
- 3/4" GALVANIZED, OR COPPER RELIEF DRAIN (NOT SHOWN) THRU FLOOR, w/VISIBLE AIR GAP
 - INLET WITH 1" CAP & CHAIN.
 - ALL WATER SUPPLY PIPING CONSTRUCTED OF PEX MATERIAL
 - ANTI-SCALD DEVICE ON ALL SHOWER, AND TUB/SHOWER COMBINATIONS.
 - WATER-HAMMER ARRESTORS AT BATTERY OF FIXTURES INSTALLED WHEREVER. THERE IS A QUICK-CLOSING VALVE CONFORMING TO ASSE 1010 & MANUFACTURER'S INSTRUCTIONS.
 - SHUT-OFF VALVE IS REQUIRED AT EACH FIXTURE
 - BATHROOMS WITH DOUBLE LAVS ARE FED FROM THE SAME RISER.
 - ANY LINE NOT LABELED IS 1/2"
 - WATER HEATER TEMPERATURE & PRESSURE RELIEF VALVE AND RELIEF DRAIN PIPE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
 - SHUT-OFF VALVE AT WATER HEATER IS FULL OPEN VALVE INSTALLED ON COLD WATER SUPPLY PIPE AT EACH WATER HEATER, PER CODE.
 - FULLWAY SHUT-OFF VALVE WITH BLEED ORIFICE INSTALLED AT MAIN INLET SERVICE VALVE, INSTALLED ON-SITE, PER CODE.



HANGER SPACING - PEX PIPE (SUPPLY)	4'-0"
MAX HORIZONTAL SPACING (FT.)	2'-8"
MAX VERTICAL SPACING (FT.)	4'-0"

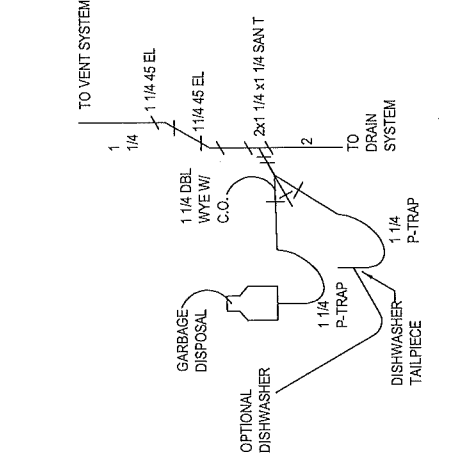
Bladder: R-Anell Housing Group, LLC - Subsidiary of The Commodore Corp.
 Title: Cold Water Lines

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NIA INC.
 08/06/15
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Michael Falter

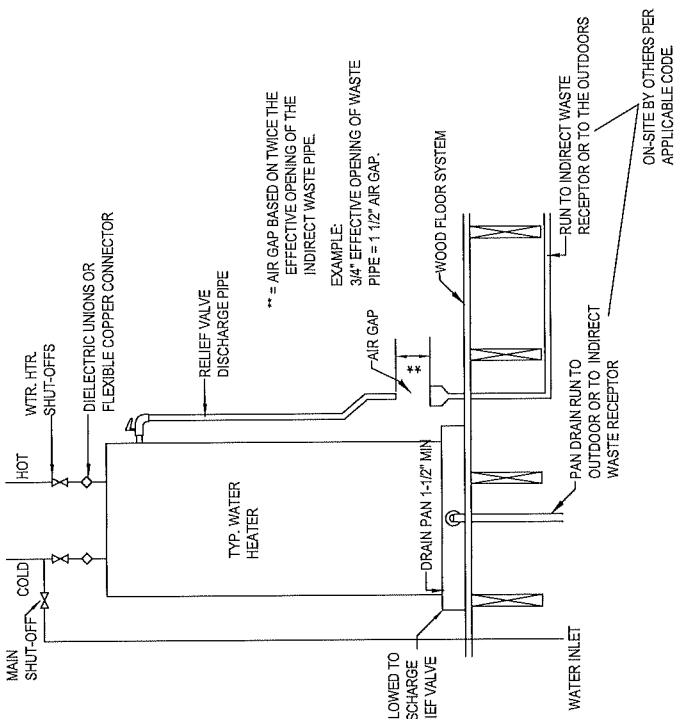
ALL DIMENSIONS FROM REAR AND MARRIAGE EDGE

Scale:	CUSTOM	Date:	08/03/2015	Sheet No.:	47289
Drawn By:	ME	Revised:	NONE	Dir.:	Custom Built Homes
Revisions:		Calculated:	3658	Modifying No.:	RJ553-A1
Revised:		Drawn:		Part:	WC

PIPE SUPPORT:
VERTICAL PIPING:
 SUPPORTS AT 10' O.C. MAX.
 OR BETWEEN FLOOR
 LEVELS.
HORIZONTAL PIPING:
 SUPPORTS AT 4' O.C. MAX.
 ENDS OF BRANCHES, AND
 AT CHANGES IN ELEVATION
 AND/OR DIRECTION.
 TRAP ARMS:
 SUPPORT LOCATED AS
 CLOSE TO TRAP AS
 POSSIBLE WHEN TRAP TO
 VENT EXCEEDS 3'.



OPTIONAL GARBAGE DISPOSAL PLUMBING
 ILLINOIS MODELS ONLY - USE DETAIL ABOVE FOR
 OPTIONAL GARBAGE DISPOSAL



PAN NOT ALLOWED TO
 RECEIVE DISCHARGE
 FROM RELIEF VALVE

NOTES:
 ALL BELOW FLOOR PLUMBING BY OTHERS. ALL FITTINGS BELOW BOTTOM CAN BE SHIPPED LOOSE.
 ALL BELOW FLOOR PLUMBING ILLUSTRATIONS ARE RECOMMENDATIONS ONLY. ON-SITE CONDITIONS AND/OR RESTRICTIONS MAY REQUIRE SOME MODIFICATIONS.
 OPT. GARBAGE DISPOSAL TO BE LOCATED ON KITCHEN SINK WASTE ASSEMBLY. ALL VENTS THRU ROOF TO BE 3", 1/2" MIN. ABOVE AND BELOW ROOF PENETRATION.
 ALL P-TRAPS TO BE 1-1/2" UNLESS NOTED.
 HORIZONTAL VENT SLOPE: 1/8" PER FOOT
 HORIZONTAL DRAIN SLOPE: 1/4" PER FOOT
 ANY TRANSITIONS TO MATERIALS OTHER THAN THE SPECIFIED MATERIAL MUST INCORPORATE AN APPROVED FITTING FOR CONNECTION.
 ALL TUBS WITH WHIRLPOOL MUST BE PROVIDED WITH PROTECTIVE SHIELD PLATES TO PROTECT PLUMBING TO MEET OR EXCEED CURRENT ADOPTED PLUMBING CODES.
 IN CONCEALED SPACES WHERE PIPING IS INSTALLED THRU HOLES OR NOTCHES IN STUDS, JOISTS, TRUSSES, OR SIMILAR MEMBERS LESS THAN 1-1/2" FROM NEAREST EDGE OF THE MEMBER, THE PIPE SHALL BE PROTECTED BY SHIELD
 PLATES. PROTECTIVE SHIELD PLATES SHALL BE A MINIMUM OF 16 GA. STEEL. PLATES SHALL COVER AREA OF THE PIPE WHERE THE MEMBERS ARE NOTCHED OR BORED, AND SHALL EXTEND A MINIMUM OF 2" ABOVE SOLE PLATES AND
 BELOW TOP PLATES.
 ALL WATER HEATERS AND WATER HEATER PLUMBING TO BE SUPPLIED AND INSTALLED IN BASEMENT BY OTHERS IN ACCORDANCE WITH ALL RECOGNIZED PLUMBING CODES.
 AIR ADMITTANCE VALVES MAY SUBSTITUTE ROOF VENTS AT VARIOUS LOCATIONS PER APPLICABLE STATE AND LOCAL PLUMBING CODES. THE 3" MAIN VENT MUST BE MECHANICALLY VENTED.

ON-SITE BY OTHERS PER
 APPLICABLE CODE

Builder: R-Anell Housing Group, LLC - Subsidiary of The Commodore Corp.
 Title: DWV Notes

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 08/06/15
 Michael Faller

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Scale:	Date:	Sheet:	Revision:
N.T.S.	08/03/2015	3558	
Drawn By:	None	Checked:	None
None	None	Dr:	None
		Dir:	None
		SN:	40289
		Project:	DN
		Manufacturer:	RJ553-A1

NOTE:

1. TOTAL BTU's=0
2. MAX. COLUMN LENGTH = 0'
3. SHUT-OFF VALVE REQ'D. FOR EACH APPLIANCE.
4. ONLY ONE F.P. AVAILABLE.
5. ALL LINES NOT SPECIFIED ARE 1/2" (OPTION FIXTURES NOT CONSIDERED)
6. GAS LINE MATERIAL IS BLACK STEEL PIPE AND CONFORMS TO ASTM A53 Gr. A.

ALL DIMENSIONS FROM REAR AND MARRIAGE EDGE

NO GAS APPLIANCES

HANGER SPACING - STEEL PIPE (GAS)	
MAX HORIZONTAL SPACING (FT.)	6'-0"
MAX VERTICAL SPACING (FT.)	6'-0"

GAS PIPE SIZING BASED ON TABLE 402.4(2) FOR NATURAL GAS OR TABLE 402.4(26) FOR LPG. ALL PIPING IS SCHEDULE 40 METALLIC PIPE.

Builder: R-Anell Housing Group, LLC - Subsidiary of The Commodore Corp.

Title: Gas Lines

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08/06/15

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Michael Falter

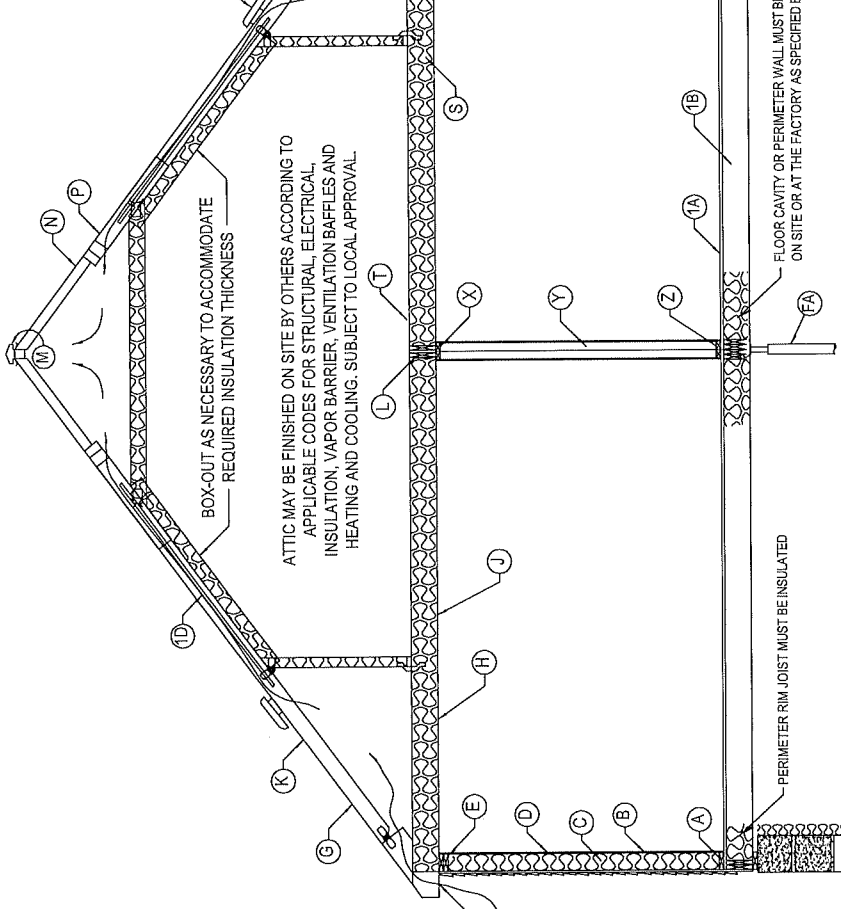
FINISHED AND INSPECTED ON-SITE BY OTHERS PER APPLICABLE CODES

Date: 08/05/2015
 Reference: NONE
 Scale: CUSTOM
 Drawn By: ME
 Cust. Stock: Custom Built Homes
 Dr: Custom Built Homes
 SN: 40299

Manufacturing No.: RJ553-A1
 P.C.: GA

SYSTEMS MANUAL REFERENCES
 FLOOR CONSTRUCTION: A-10-10 & 20
 SIDEWALL CONSTRUCTION: B-10-10
 CENTER WALL UPLIFT DETAIL: B-20-10
 COLUMN REQUIREMENTS: B-20-20, 21 & 30
 INTERIOR WALLS: B-30-10 & 11
 BEAMS: C-10-10 THRU C-10-30

12
 19



- (A) 2x6 #3 SPF SIDEWALL BOTTOM PLATE
- (B) 2x6 #3 SPF EXTERIOR WALL STUDS, 24" OR 16" O.C.
- (C) EXTERIOR WALL INSULATION WITH VAPOR BARRIER PER THERMAL REQUIREMENTS.
- (D) WALL COVERING (MIN. 1/2" GYPSUM)
- (E) 2x6 #3 SPF DOUBLE TOP PLATE
- (F) VENTED SOFFIT 50% OF LOWER ROOF VENTILATION ENGINEERED TRUSSES SPACED TO MEET DESIGNED GROUND SNOW LOAD.
- (H) VAPOR BARRIER
- (J) CEILING BOARD 1/2" GYPSUM.
- (K) 7/16" 24/16 RATING ROOF DECKING MIN. TYP.
- (L) MIN 2x6 #3 SPF BOTTOM RAIL OR BEAM OVER OPEN SPANS TYP.
- (M) ROOF VENT (OPT RIDGE VENT) MIN. 50% VENTILATION OF ROOF CAVITY (UPPER PORTION), INSTALLED PER CODE REQUIREMENTS
- (N) TYPICAL SHINGLES, INSTALLED PER MFG'S INSTRUCTIONS
- (P) SHINGLE UNDERLAYMENT TYP.
- (Q) 1" MIN SPACE FOR ATTIC VENTILATION
- (R) TYPICAL ICE BARRIER PER IRC 905.2.7.1
- (S) CEILING INSULATION TYP. (PER THERMAL REQUIREMENTS.)
- (T) DECKING BY OTHERS
- (U) 7/16" RATED SHEATHING
- (V) VINYL OR HARDBOARD SIDING (RAN VERT. OR HORIZ.) INSTALLED PER MFG.'S INSTRUCTIONS
- (W) AIR INFILTRATION AND WATER RESISTANT BARRIER
- (X) 2x4 #3 SPF SINGLE OR DOUBLE TOP PLATE INTERIOR WALL TOP PLATE
- (Y) 2x4 #3 SPF INTERIOR WALL STUD, 24" OR 16" O.C.
- (Z) 2x4 #3 SPF BOTTOM PLATE INTERIOR WALLS, TYP
- (1A) FLOOR DECKING RATED FOR 19.2" O.C JOIST SPACING, MIN
- (1B) MIN 2x10 #2 SPF FLOOR JOIST 16" O.C.
- (1C) ALUM., VINYL, OR HARDIE BOARD FACIA & DRIP EDGE.
- (1D) BAFFLE REQUIRED.
- (1E) JACK POST, PIER OR CONCRETE FILLED POST THAT MEETS OR EXCEEDS REQUIRED SUPPORT CAPACITY PER FOUNDATION DESIGN.
- (1F) 2x6 TREATED SILL PLATE. FASTENING OF SILL AND HOME TO FOUNDATION ON SITE PER CODES

NOTES:
 CRAWLSPACE STANDARD - HOME MAY BE PLACED ON BASEMENT (REFER TO FOUNDATION PLAN). FOLLOW RECOMMENDED ATTACHMENTS FOR FASTENING OF HOME TO FOUNDATION. FOUNDATIONS TO BE BUILT AND CONSTRUCTED BY OTHERS ON SITE FOUNDATIONS (BY OTHERS) MUST MEET ALL APPLICABLE CODES. NOTES AND/OR ILLUSTRATIONS SHOWN ARE TYPICAL AND MAY NOT APPLY TO ALL HOMES CONSTRUCTED. CONSTRUCTION & SPECS MAY VARY PER PLAN. REFERENCE THE APPROVED SYSTEMS PACKAGE FOR ADDITIONAL AND SPECIFIC CROSS SECTION INFORMATION

IMPORTANT!
 MAIN LEVEL FLOORS, OVER ENCLOSED FOUNDATIONS, CONSTRUCTED WITH OPTIONAL ENGINEERED WEB FLOOR JOISTS (OPEN JOISTS) OR WITH JOISTS OF NOMINAL LUMBER LESS THAN 2X10, MAY BE SUBJECT TO SPECIAL FIRE PROTECTIVE REQUIREMENTS TO BE PERFORMED BY OTHERS ON SITE. CONSULT ADOPTED LOCAL CODES FOR COMPLIANCE WITH FIRE PROTECTION OF FLOORS.

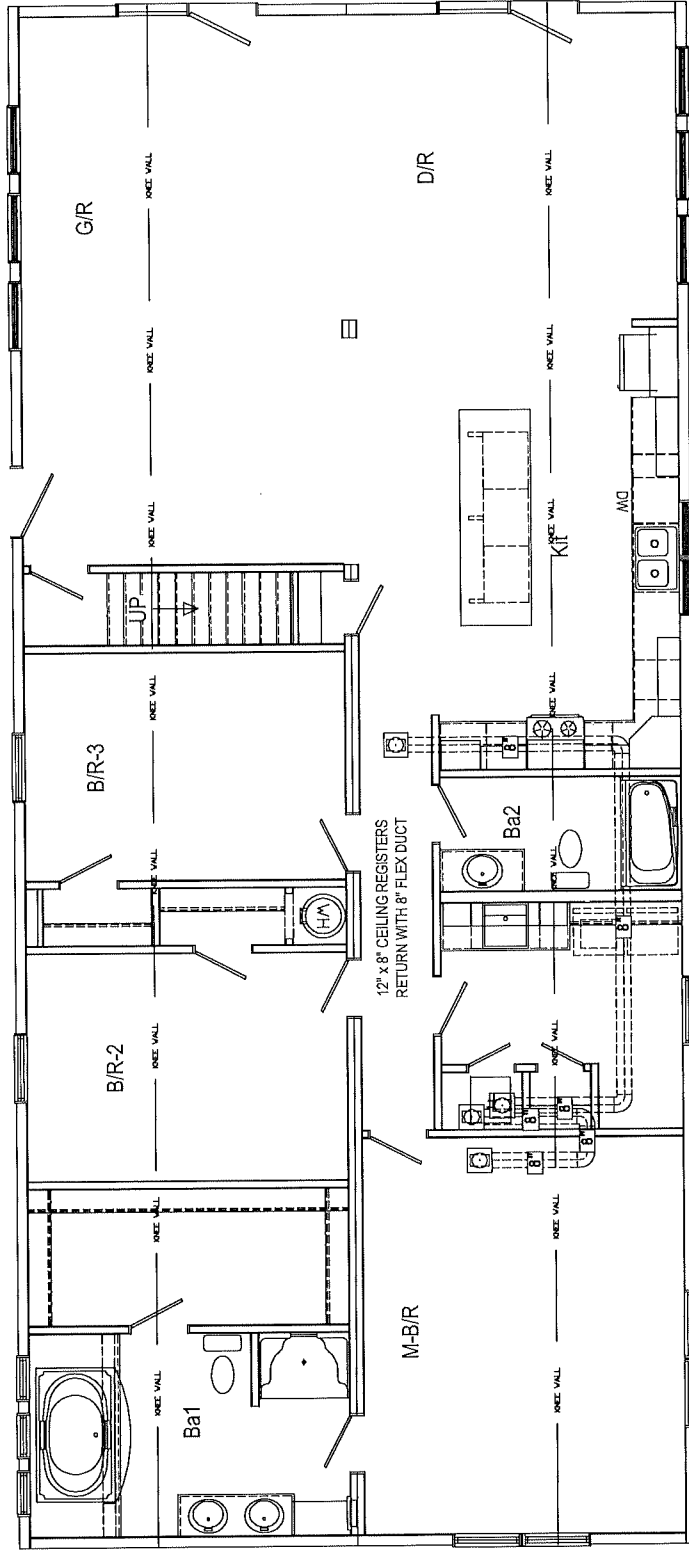
TRIMLINE RIDGE VENT: ALLOWS 13" OF NET FREE AIR PER LINEAL FOOT
 FULL LENGTH OF HOUSE AIR FLO SOFFIT: FULL VENTED 5.89 SQ IN PER LINEAL FOOT
 FULL LENGTH OF HOUSE 2040/300 = 6.8 VENT REQUIRED

SEE PAGES 30-32 IN THE COMMODORE INSTALLATION MANUAL FOR FIELD CONNECTIONS AT THE ROOF AND FLOOR SECTIONS.

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NIA INC.
 08/06/15
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Michael Falter

Modeling No.:	RJ553-A1
Scale:	N.T.S.
Date:	08/05/2015
Drawn by:	NE
Checked:	3/28
Revised:	
Number:	
Cost:	Stock
Dr.:	Custom Built Homes
SN:	40289
Page:	XS

Builder: R-Anell Housing Group, LLC - Subsidiary of The Commodore Corp.
 Title: Cross Section



Return Air Material/Quantity List	
Storage Box (13x13x9)	4
12x8 Ceiling Grille	4
8" Insulated Flex Duct	42'
8" Start Collar	4

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RETURNS IN CEILING IN ADDITION TO AIR THRU GRILLES/OPENINGS

Revisions	Callout	Date	Number	Scale:	Date:	Cut:	Modifying No.:
	3265			3/16" = 1'-0"	08/03/2015	Stack	RJ553-A1
				Drawn By:	Reference:	Dr. Custom Built Homes	HR
				NE	NONE	SN: 40289	HR

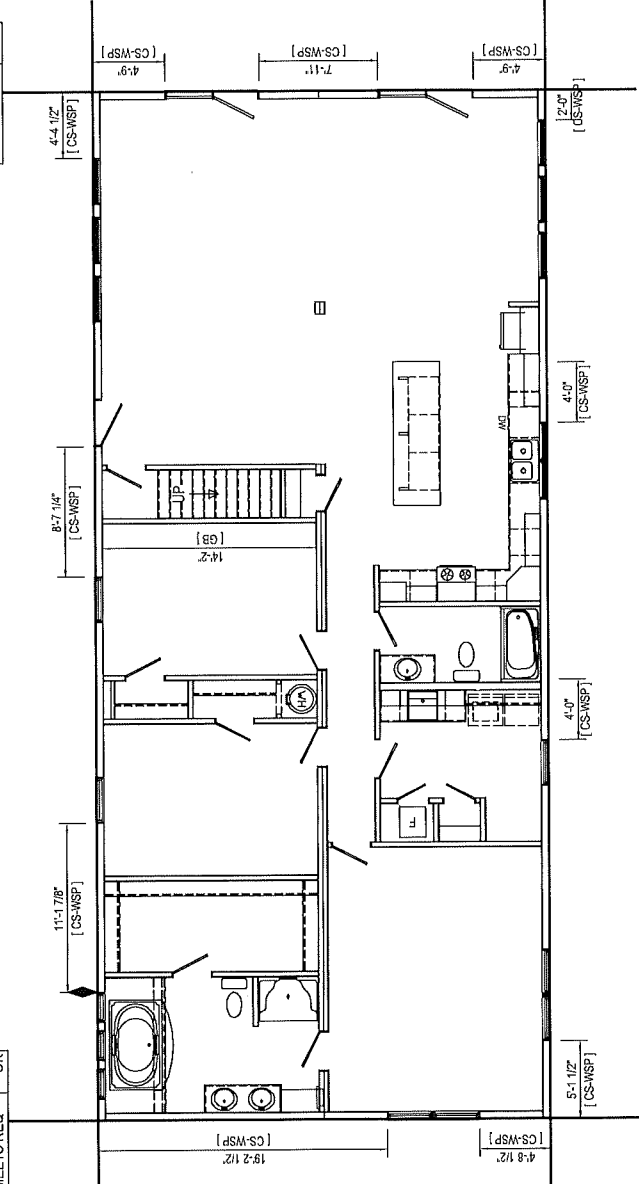
Builder: R-Anell Housing Group, LLC - Subsidiary of The Commodore Corp.
 Title: Ceiling Return Air System

VERTICAL BWL 2	
REQUIRED	21.14
PROVIDED	24.5
% SHEATHED	58.1%
MEETS REQ	OK

VERTICAL BWL 1	
REQUIRED	21.14
PROVIDED	23.92
% SHEATHED	79.7%
MEETS REQ	OK

HORIZONTAL BWL 1	
REQUIRED	10.24
PROVIDED	24.14
% SHEATHED	57.9%
MEETS REQ	OK

HORIZONTAL BWL 2	
REQUIRED	10.24
PROVIDED	15.125
% SHEATHED	63.5%
MEETS REQ	OK



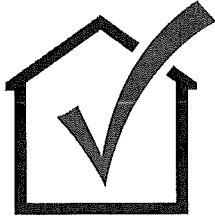
(1) SIMPSON CS16 W/ (7) 10D NAILS PER END FACTORY INSTALLED FROM STUD TO RIM BELOW

Braced Wall							Max. Mean Roof Height		
Unit	Method	Wind Load	Width	Length	Exposure	Roof Pitch	Sidewall Height	Seismic	Roof Height
MAIN	NC_2012	130 mph	30'-0"	68'-0"	C	9/12	9'-0"	C	IRC

FOUNDATION TIE-DOWN MUST BE CONNECTED ON-SITE BY POINT LOAD LOCATIONS AS NOTED (BY OTHERS). ALTERNATIVE TIE DOWN CONNECTION METHODS APPROVED BY A LOCAL ENGINEER MAY BE USED. REFER TO THE IRC FOR FOUNDATION TIE DOWN REQUIREMENTS FOR 100 MPH OR LESS WIND ZONES

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Builder: R-Anell Housing Group, LLC - Subsidiary of The Commodore Corp.	Client: 3269	Revisions:	Scale: 1/8" = 1'-0"	Date: 08/06/2015	Drawn By: NE	Checked: Custom Built Homes	Manager: R.J553-A1
Title: Braced Walls-Prescriptive							BMP



REScheck Software Version 4.6.2.0 Compliance Certificate

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Project Title: RJ553-A1

Energy Code: **North Carolina Energy Conservation Code**
 Location: **Pender County, North Carolina**
 Construction Type: **Single Family**
 Project Type: **New construction**
 Glazing Area Percentage: **18%**
 Heating Degree Days: **2999**
 Climate Zone: **3**

Construction Site:
 22019 Hwy 17
 Hampstead, NC 28443

Owner/Agent:
 Stock
 Custom Built Homes

Designer/Contractor:
 R-Anell Housing Group, LLC
 Subsidiary of The Commodore
 Corporation
 235 Anthony Grove Rd.
 Crouse, NC 28033

Compliance: Passes using UA trade-off

Compliance: **7.5% Better Than Code** Maximum UA: **442** Your UA: **409** Maximum SHGC: **0.30** Your SHGC: **0.27**

The % Better or Worse Than Code Index reflects how close to compliance the house is based on code trade-off rules.
 It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor	UA
Wall 1 [1walls]: Wood Frame, 16" o.c.	1764	19.0	0.0		83
Keystone Swing Patio Door 7282 [Qty 2]: Glass SHGC: 0.30	86			0.350	30
Hinged - Exterior - 6 Panel [Qty 1]: Solid	22			0.220	5
Kinro 3658 [Qty 6]: Vinyl Frame:Double Pane with Low-E SHGC: 0.24	88			0.340	30
Kinro 3612TRN [Qty 6]: Vinyl Frame:Double Pane with Low-E SHGC: 0.35	18			0.320	6
(2) Kinro 3012 Transoms [Qty 1]: Vinyl Frame:Double Pane with Low-E SHGC: 0.35	5			0.320	2
(2) Kinro 3040 [Qty 1]: Vinyl Frame:Double Pane with Low-E SHGC: 0.24	17			0.340	6
Kinro 2454 [Qty 3]: Vinyl Frame:Double Pane with Low-E SHGC: 0.33	27			0.350	9
(2) Kinro 3668 [Qty 2]: Vinyl Frame:Double Pane with Low-E SHGC: 0.24	69			0.340	23
Kinro 3668 [Qty 3]: Vinyl Frame:Double Pane with Low-E SHGC: 0.24	52			0.340	18
Walls around stairway: Wood Frame, 24" o.c.	284	13.0	0.0		21
30" Door for stairway: Solid	17			0.500	9
Floor 1: All-Wood Joist/Truss:Over Outside Air	2040	19.0	0.0		96
Ceiling 1: Flat Ceiling or Scissor Truss	839	31.0	0.0		29
Ceiling 2 [Between knee walls]: Flat Ceiling or Scissor Truss	1201	30.0	0.0		42

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the North Carolina Energy Conservation Code requirements in REScheck Version 4.6.2.0 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

N. Edwards
 Name - Title

Signature

8/3/2015
 Date

Project Notes:

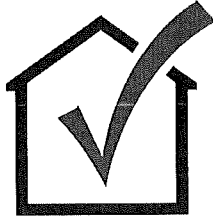
9/12 roof pitch 24" o.c.
9 ft. walls
30'-0" x 68'-0"
Kinro windows without grids

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REScheck Software Version 4.6.2.0 Inspection Checklist

Energy Code: **North Carolina Energy Conservation Code**
 Location: **Pender County, North Carolina**
 Construction Type: **Single Family**
 Project Type: **New construction**
 Glazing Area Percentage: **18%**
 Heating Degree Days: **2999**
 Climate Zone: **3**

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Ceilings:

- Ceiling 1: Flat Ceiling or Scissor Truss, R-31.0 cavity insulation

Comments: _____

- Ceiling 2 [Between knee walls]: Flat Ceiling or Scissor Truss, R-30.0 cavity insulation

Comments: _____

Above-Grade Walls:

- Wall 1 [1walls]: Wood Frame, 16" o.c., R-19.0 cavity insulation

Comments: _____

- Walls around stairway: Wood Frame, 24" o.c., R-13.0 cavity insulation

Comments: _____

Windows:

- Kinro 3658 [Qty 6]: Vinyl Frame:Double Pane with Low-E, U-factor: 0.340, SHGC: 0.24,

For windows without labeled U-factors, describe features:

#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No

Comments: _____

- Kinro 3612TRN [Qty 6]: Vinyl Frame:Double Pane with Low-E, U-factor: 0.320, SHGC: 0.35,

For windows without labeled U-factors, describe features:

#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No

Comments: _____

- (2) Kinro 3012 Transoms [Qty 1]: Vinyl Frame:Double Pane with Low-E, U-factor: 0.320, SHGC: 0.35,

For windows without labeled U-factors, describe features:

#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No

Comments: _____

- (2) Kinro 3040 [Qty 1]: Vinyl Frame:Double Pane with Low-E, U-factor: 0.340, SHGC: 0.24,

For windows without labeled U-factors, describe features:

#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No

Comments: _____

- Kinro 2454 [Qty 3]: Vinyl Frame:Double Pane with Low-E, U-factor: 0.350, SHGC: 0.33,

For windows without labeled U-factors, describe features:

#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No

Comments: _____

- (2) Kinro 3668 [Qty 2]: Vinyl Frame:Double Pane with Low-E, U-factor: 0.340, SHGC: 0.24,

For windows without labeled U-factors, describe features:

#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No

Comments: _____

- Kinro 3668 [Qty 3]: Vinyl Frame:Double Pane with Low-E, U-factor: 0.340, SHGC: 0.24,

For windows without labeled U-factors, describe features:

#Panels _____ Frame Type _____ Thermal Break? _____ Yes _____ No

Comments: _____

Doors:

- Keystone Swing Patio Door 7282 [Qty 2]: Glass, U-factor: 0.350, SHGC: 0.30,

Comments: _____

- Hinged - Exterior - 6 Panel [Qty 1]: Solid, U-factor: 0.220

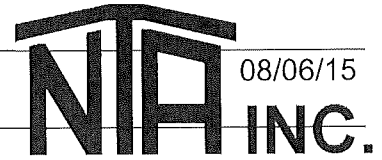
Comments: _____

- 30" Door for stairway: Solid, U-factor: 0.500

Comments: _____

This door is exempt from the U-factor requirement.

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Floors:

- Floor 1: All-Wood Joist/Truss:Over Outside Air, R-19.0 cavity insulation

Comments: _____

Floor insulation is installed to maintain permanent continuous contact with the underside of the subfloor decking, and insulation ends are blocked. Insulation supports that are noncontinuous (i.e., tension support wires) are spaced no more than 18 inches apart and are within 6 inches from each end of the insulation.

Solar Heat Gain Coefficient:

- Solar Heat Gain Coefficient (SHGC) values are determined in accordance with the NFRC test procedure or taken from the default table.

Air Leakage:

- Joints (including rim joist junctions), attic access openings, penetrations, and all other such openings in the building envelope that are sources of air leakage are sealed with caulk, gasketed, weatherstripped or otherwise sealed with an air barrier material, suitable film or solid material.
- Air barrier and sealing exists on common walls between dwelling units, on exterior walls behind tubs/showers, and in openings between window/door jambs and framing.
- Recessed lights in the building thermal envelope are 1) type IC rated and ASTM E283 labeled and 2) sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.
- Access doors separating conditioned from unconditioned space (e.g., attic, unconditioned basements and crawlspaces) are weather-stripped and insulated (without insulation compression or damage). Where loose fill insulation exists, a wood framed or equivalent baffle is installed to maintain insulation application. Required insulation values are as follows:
- (1) Hinged vertical doors have a minimum of R-5 insulation.
 - (2) Hatches/scuttle hole covers have a minimum of R-10 insulation.
 - (3) Pull down stairs have a minimum of R-5 rigid insulation.
- Site-built masonry fireplaces have doors and comply with Section R1006 of the North Carolina Residential Code for combustion air.

Air Sealing and Insulation:

- Building envelope air tightness and insulation installation complies with one of the following (mark the method that was applied):
- (1) _____ Post rough-in blower door test result of less than or equal to 5 ACH at 50 pascals.
 - (2) _____ Post rough-in blower door test result of less than or equal to 0.30 CFM50/square foot of surface area.
 - (3) _____ Visual inspection. The following items, along with all other air leakage requirements in this report, are certified by the builder, permit holder or registered design professional as completed.
 - (a) Ceiling/attic: Sealants or gaskets provide a continuous air barrier system joining the top plate of framed walls with either the ceiling drywall or the top edge of wall drywall to prevent air leakage. Top plate penetrations are sealed.
 - (b) Ceiling/attic: For ceiling finishes that are not air barrier systems such as tongue-and-groove planks, air barrier systems (e.g., taped house wrap) are used above the finish.
 - (c) Above Grade Walls: Sill plate is gasketed or sealed to subfloor or slab.
 - (d) Windows/doors: Space between window and door jambs and framing are sealed.
 - (e) Floors: Air barrier system is installed at any exposed edge of insulation.

Materials Identification and Installation:

- Materials and equipment are installed in accordance with the manufacturer's installation instructions.
- Materials and equipment are identified so that compliance can be determined.
- Manufacturer manuals for all installed heating and cooling equipment and service water heating equipment have been provided.

- Insulation R-values and glazing U-factors are clearly marked on the building plans or specifications.

Duct Insulation:

- Supply and return ducts in unconditioned space and outdoors are insulated to R-8. Supply ducts inside semi-conditioned space are insulated to R-4.

Duct Construction and Testing:

- Building framing cavities are not used as supply ducts.
- All joints and seams of air ducts, air handlers, filter boxes, and building cavities used as return ducts are sealed. Joints and seams comply with Part V - Mechanical, Section 603.9 of the North Carolina Residential Code.
- Postconstruction total duct leakage test (including air handler enclosure) has been performed and results are less than or equal to 122.4 cfm (6 cfm per 100 ft2 of conditioned floor area) pressure differential of 0.1 inches w.g. Tests are performed according to North Carolina Energy Conservation Code guidelines (Section 403.2.2).

Temperature Controls:

- Where the primary heating system is a forced air-furnace, at least one programmable thermostat is installed to control the primary heating system and has set-points initialized at 70 degree F for the heating cycle and 78 degree F for the cooling cycle.
- Heat pumps having supplementary electric-resistance heat have controls that prevent supplemental heat operation when the compressor can meet the heating load.

Heating and Cooling Equipment Sizing:

- Heating and cooling equipment shall be sized in accordance with the North Carolina Mechanical Code.
- For systems serving multiple dwelling units documentation has been submitted demonstrating compliance with 2009 IECC Commercial Building Mechanical and/or Service Water Heating (Sections 503 and 504).

Circulating Service Hot Water Systems:

- Circulating service hot water pipes are insulated to R-2.
- Circulating service hot water systems include an automatic or accessible manual switch to turn off the circulating pump when the system is not in use.

Heating and Cooling Piping Insulation:

- HVAC piping conveying fluids above 105 degrees F or chilled fluids below 55 degrees F are insulated to R-3.

Swimming Pools:

- Heated swimming pools have an on/off heater switch.
- Pool heaters operating on natural gas or LPG have an electronic pilot light.
- Timer switches on pool heaters and pumps are present.

Exceptions:

Where public health standards require continuous pump operation.

Where pumps operate within solar- and/or waste-heat-recovery systems.

- Heated swimming pools and in-ground permanently installed spas have a vapor-retardent cover. **Michael Faller**

Exceptions:

Covers are not required when 70% of the heating energy is from site-recovered energy or solar energy source.

Lighting Requirements:

- A minimum of 75 percent of the lamps in permanently installed lighting fixtures can be categorized as one of the following:
 - (a) Compact fluorescent
 - (b) T-8 or smaller diameter linear fluorescent
 - (c) 40 lumens per watt for lamp wattage <= 15
 - (d) 50 lumens per watt for lamp wattage > 15 and <= 40
 - (e) 60 lumens per watt for lamp wattage > 40

Other Requirements:

- Snow- and ice-melting systems with energy supplied from the service to a building shall include automatic controls capable of shutting off the system when a) the pavement temperature is above 50 degrees F, b) no precipitation is falling, and c) the outdoor temperature is above 40 degrees F (a manual shutoff control is also permitted to satisfy requirement 'c').

Certificate:

- A permanent certificate is provided on or in the electrical distribution panel listing the predominant insulation R-values; window U-factors; type and efficiency of space-conditioning and water heating equipment. The certificate does not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels.

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NOTES TO FIELD: (Building Department Use Only)

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North Carolina Energy Efficiency Certificate

Insulation Rating R-Value

Ceiling / Roof	30.00
Above-Grade Wall	19.00
Below-Grade Wall	0.00
Floor	19.00
Ductwork (unconditioned spaces):	_____

Glass & Door Rating U-Factor SHGC

Window	0.34	0.24
Door	0.35	0.30

Heating & Cooling Equipment Efficiency

Heating System: _____

Cooling System: _____

Water Heater: _____

Building Air Leakage and Duct Test Results

Air Leakage Compliance Method: Visual Inspection
 Air Leakage Test

Building Air Leakage Test Results _____

Name of Air Leakage Tester _____

Duct Tightness Test Results _____

Name of Duct Tester _____

Name: _____ Date: _____

Comments:

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Collar Tie to Rafter Connection Information

The truss manufacturer, Universal Forest Products has issued a bulletin 05-02 that provides details for the collar tie to rafter connection requirements when the truss design states that the collar tie must be “Rigid”. The following detail sheet shows the appropriate connection using 100% coverage of adhesive and fasteners for the collar tie connection for the “Rigid” requirement. The following sheets have been included: roof truss print and the connection requirements according to the size of the rafter and collar tie.

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Job 63229	Truss CC784608	Truss Type HINGED ATTIC	Qty 1	Ply 1	Commodore 315 D30C9F	# 266
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Universal Forest Products Inc., Grand Rapids, MI 49525, Mike Patten 7.330 e Feb 17 2012 MiTek Industries, Inc. Wed May 02 13:53:07 2012 Page 1 of 2

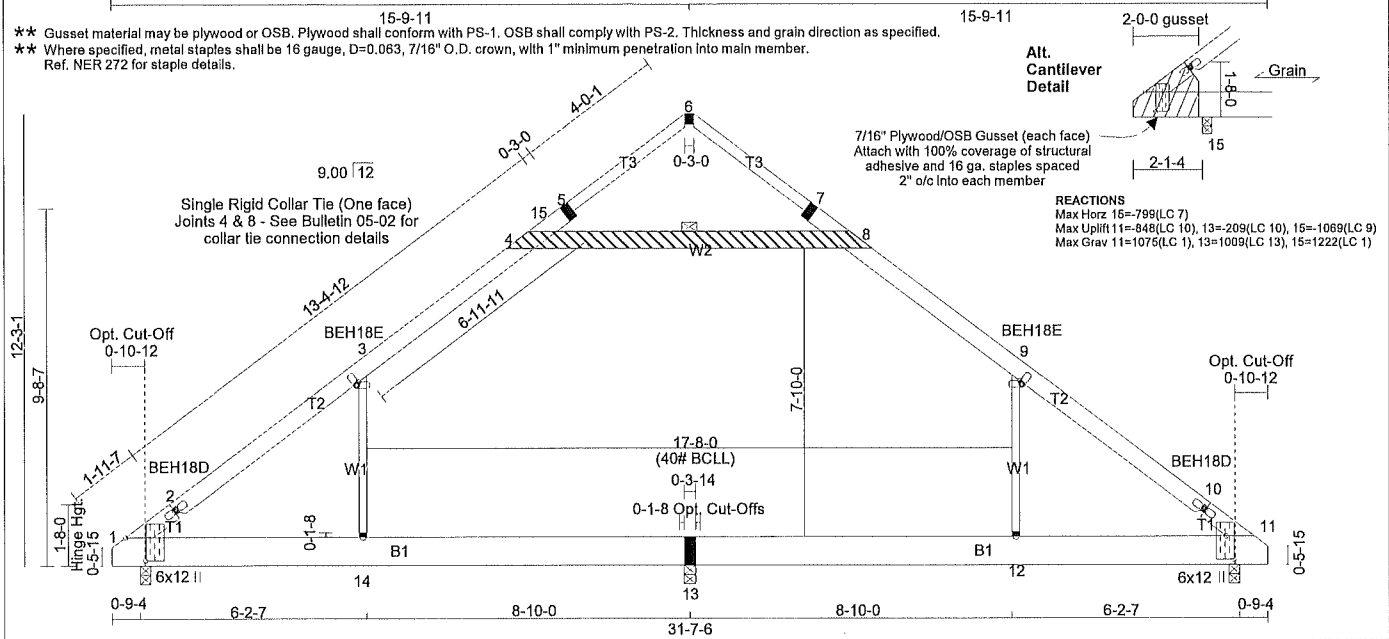


Plate Offsets (X, Y): [1:0-8-5,0-6-12], [2:0-0-11,0-0-0], [3:0-0-11,0-1-2], [9:0-0-11,0-1-2], [10:0-0-11,0-0-0], [11:0-8-5,0-2-7]

SPACING: 2-0-0 LOADING (psf) TCLL 23.1 (Ground Snow=30.0) TCDL 7.0 BCLL 0.0 BCDL 7.0	SPACING: 1-4-0 LOADING (psf) TCLL 34.7 (Ground Snow=45.0) TCDL 10.5 BCLL 0.0 BCDL 10.5	Plates Increase 1.15 Lumber Increase 1.15 Rep Stress Incr YES Code IBC2009/TPI2007	CSI TC 0.62 BC 0.78 WB 0.72 (Matrix)	DEFL in (loc) l/defl L/d Vert(LL) 0.54 13-14 >337 240 Vert(TL) -0.53 12-13 >342 180 Horz(TL) 0.02 11 n/a n/a Attic -0.36 13-14 595 360	PLATES GRIP MT20 197/144 MII18 141/138 Weight: 166 lb FT = 0%
--	--	---	--	--	--

LUMBER TOP CHORD 2x6 SPF No.2 *Except* T3: 2x4 SPF No.2 BOT CHORD 2x10 SPF No.2 WEBS 2x3 SPF Stud *Except* W2: 2x6 SPF No.2	BRACING TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc [P] purlins. BOT CHORD Rigid ceiling directly applied or 5-5-2 oc bracing. WEBS 1 Row at midpt
---	---

REACTIONS (lb/size) 1=1110/0-3-8 (min. 0-1-12), 11=1110/0-3-8 (min. 0-1-12), 13=937/0-3-14 (min. 0-1-8)
Max Horz 1=799(LC 7)
Max Uplift 1=873(LC 9), 11=875(LC 10), 13=251(LC 9)
Max Grav 1=1110(LC 1), 11=1110(LC 1), 13=1051(LC 13)

FORCES (lb) - Maximum Compression/Maximum Tension
TOP CHORD 1-2=-1164/845, 2-3=-984/830, 3-4=-984/1036, 4-15=-307/205, 5-15=-284/205, 5-6=-170/220, 6-7=-168/218, 7-8=-301/205, 8-9=-985/1036, 9-10=-982/824, 10-11=-1162/839
BOT CHORD 1-14=-447/794, 13-14=-444/794, 12-13=-444/794, 11-12=-445/794
WEBS 9-12=-279/529, 3-14=-286/535, 4-8=-690/1054

REQUIRED FIELD JOINT CONNECTIONS
- Maximum Compression (lb)/ Maximum Tension (lb)/ Maximum Shear (lb)/ Maximum Moment (lb-in)
4=690/1054/153/7625, 5=264/210/182/0, 6=142/221/182/0, 7=266/208/183/0, 8=690/1054/153/7573, 12=279/529/0/0, 13=444/794/526/0, 14=286/535/0/0

NOTES
1) Wind: ASCE 7-05; 130mph @24in o.c.; TCDL=2.8psf; BCDL=2.8psf; (Alt. 150mph @16in o.c.; TCDL=4.2psf; BCDL=4.2psf); h=30ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; cantilever left and right exposed ;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

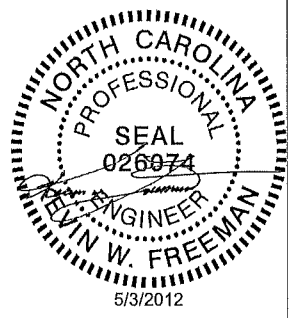
The professional engineering seal indicates that a licensed professional has reviewed the design under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

APPROVED BY

NIA INC. 08/06/15

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Michael Fallor
E-signed by Kevin Freeman



WARNING - Verify design parameters and READ NOTES

This building component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TPI1. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719 J:\support\MitekSuppl\templates\ufp.tpe© copyright 2012 by: Universal Forest Products, Inc.

Universal Forest Products, Inc. 2801 EAST BELTLINE RD, NE
PHONE (616)-364-6161 FAX (616)-365-0060 GRAND RAPIDS, MI 49525

Job 63229	Truss CC784608	Truss Type HINGED ATTIC	Qty 1	Ply 1	Commodore 315 D30C9F
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Universal Forest Products Inc., Grand Rapids, MI 49525, Mike Patten 7.330 e Feb 17 2012 MITek Industries, Inc. Wed May 02 13:53:07 2012 Page 2 of 2

- 2) TCELL: ASCE 7-05; Pg=30.0 psf (ground snow); Ps=23.1 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.1
- 3) Roof design snow load has been reduced to account for slope.
- 4) Unbalanced snow loads have been considered for this design.
- 5) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads.
- 6) All plates are MT20 plates unless otherwise indicated.
- 7) See BEH18 DETAILS for plate placement.
- 8) Provisions must be made to prevent lateral movement of hinged member(s) during transportation.
- 9) All additional member connections shall be provided by others for forces as indicated.
- 10) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 11) Ceiling dead load (5.0 psf) on member(s). 3-4, 8-9, 4-8
- 12) Bottom chord live load (40.0 psf) and additional bottom chord dead load (0.0 psf) applied only to room. 13-14, 12-13
- 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 873 lb uplift at joint 1, 875 lb uplift at joint 11 and 251 lb uplift at joint 13.
- 14) Fixity of members 1 - 2, 10 - 11, 1 - 14, 12 - 11, 4 - 8 have been changed.
- 15) This truss has been designed in accordance with the 2009 IBC Section 2303.4.6, 2009 IRC Section 802.10.2.
- 16) Attic room checked for L/360 deflection.
- 17) This truss has been designed in accordance with the 2006 IBC Sec 2303.4.2, 2006 IRC Sec 802.10.2
- 18) Take precaution to keep the chords in plane, any bending or twisting of the hinge plate must be repaired before the building is put into service.
- 19) If shown, field installed members are an integral part of this design. To ensure proper performance, all field installed members must be installed prior to applying any loading to the truss.
- 20) Based on CC784607
- 21) Added cantilever detail

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The professional engineering seal indicates that a licensed professional has reviewed the design under the standards referenced within this document, not necessarily the current state building code. The engineering seal is not an approval to use in a specific state. The final determination on whether a truss design is acceptable under the locally adopted building code rest with the building official or designated appointee.

WARNING - Verify design parameters and READ NOTES

This building component has only been designed for the loads noted on this drawing. Construction and lifting forces have not been considered. The builder is responsible for lifting methods and system design. Builder responsibilities are defined under TP11. This design is based only upon parameters shown, and is for an individual building component to be installed and loaded vertically. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual web members only. Additional temporary bracing to insure stability during construction is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult BCSI 1-06 from the Wood Truss Council of America and Truss Plate Institute Recommendation available from WTCA, 6300 Enterprise LN, Madison, WI 53719 J:\support\MitekSupp\templates\ufp.tpe © copyright 2012 by: Universal Forest Products, Inc.

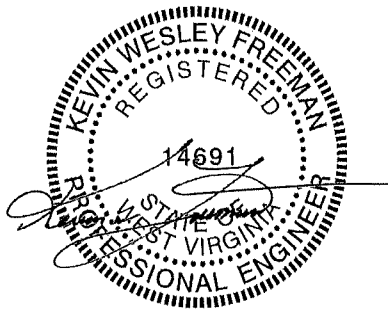
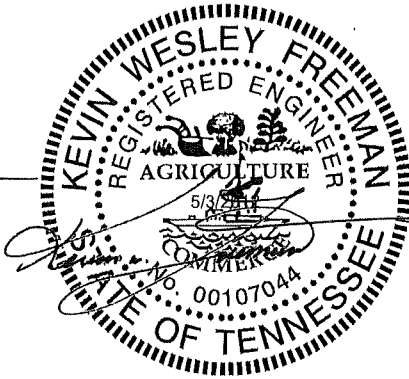
Universal Forest Products, Inc. 2801 EAST BELTLINE RD, NE
PHONE (616)-364-6161 FAX (616)-365-0060 GRAND RAPIDS, MI 49525





UNIVERSAL FOREST PRODUCTS, INC.

Job 63229	Truss CC784608	Customer COMMODORE	MFG 315
--------------	-------------------	-----------------------	------------



APPROVED BY

NIA 08/06/15
INC.

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Michael Faller



Load Short Form
Entire House
AMS of Indiana, Inc.

Job: RJ553-A1
Date: 8/4/15
By: AMS of Indiana, Inc.

APPROVED BY



08/06/15

3933 E. Jackson Blvd., Elkhart, IN 46516 Phone: 574-293-5526 Fax: 574-294-1366 Email: eng-ams@comcast.net

Project Information

For: The Commodore Corporation
RJ553-A1

Approval of this document does not authorize or approve any deviation or deviations from the requirements of applicable State Laws.

Michael Faller

Design Information

	Htg	Clg	Infiltration	
Outside db (°F)	14	88	Method	Simplified
Inside db (°F)	70	75	Construction quality	Average
Design TD (°F)	56	13	Fireplaces	1 (Average)
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	50	30		

HEATING EQUIPMENT

Make	Generic
Trade	
Model	AFUE 100
AHRI ref	
Efficiency	100 AFUE
Heating input	9.1 kW
Heating output	31103 Btuh
Temperature rise	28 °F
Actual air flow	1109 cfm
Air flow factor	0.038 cfm/Btuh
Static pressure	0.50 in H2O
Space thermostat	

COOLING EQUIPMENT

Make	Generic
Trade	
Cond	SEER 13.0
Coil	
AHRI ref	
Efficiency	11.6 EER, 13 SEER
Sensible cooling	17429 Btuh
Latent cooling	7469 Btuh
Total cooling	24898 Btuh
Actual air flow	1109 cfm
Air flow factor	0.057 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	.083

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
M BED	274	4820	3420	184	195
UTILITY	120	1639	1291	62	74
BA	62	682	191	26	11
KIT\DIN	503	7484	6127	285	350
HALL	50	0	0	0	0
GREAT	424	6874	3744	262	214
BED 3	154	1945	1392	74	80
CLOS	41	0	0	0	0
BED 2	154	1963	1400	75	80
WIC	94	862	249	33	14
M BA	143	2831	1596	108	91

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Right-Suite® Universal 2015 15.0.05 RSU02009

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Page 1

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Entire House	d	2018	29099	19411	1109	1109
Other equip loads			2692	625		
Equip. @ 0.93 RSM				18653		
Latent cooling				4207		
TOTALS		2018	31791	22860	1109	1109

APPROVED BY

NIA 08/06/15
INC.

Approval of this document does not authorize or approve any deviation or deviations from the requirements of applicable State Laws.

Michael Faller

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Project Summary
Entire House
 AMS of Indiana, Inc.

Job: RJ553-A1
 Date: 8/4/15
 By: AMS of Indiana, Inc.

3933 E. Jackson Blvd., Elkhart, IN 46516 Phone: 574-293-5526 Fax: 574-294-1366 Email: eng-ams@comcast.net

Project Information

For: The Commodore Corporation
 RJ553-A1

Notes:



08/06/15
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Michael Fuller

Design Information

Weather: Asheville Regional AP, NC, US

Winter Design Conditions

Outside db	14 °F
Inside db	70 °F
Design TD	56 °F

Summer Design Conditions

Outside db	88 °F
Inside db	75 °F
Design TD	13 °F
Daily range	M
Relative humidity	50 %
Moisture difference	30 gr/lb

Heating Summary

Structure	25634 Btuh
Ducts	3464 Btuh
Central vent (47 cfm)	2692 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	31791 Btuh

Sensible Cooling Equipment Load Sizing

Structure	18394 Btuh
Ducts	1016 Btuh
Central vent (47 cfm)	625 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.93
Equipment sensible load	18653 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

Latent Cooling Equipment Load Sizing

Structure	1802 Btuh
Ducts	1530 Btuh
Central vent (47 cfm)	875 Btuh
Equipment latent load	4207 Btuh
Equipment total load	22860 Btuh
Req. total capacity at 0.70 SHR	2.2 ton

	Heating	Cooling
Area (ft²)	2018	2018
Volume (ft³)	16140	16140
Air changes/hour	0.39	0.16
Equip. AVF (cfm)	106	43

Heating Equipment Summary

Make	Generic
Trade	
Model	AFUE 100
AHRI ref	
Efficiency	100 AFUE
Heating input	9.1 kW
Heating output	31103 Btuh
Temperature rise	28 °F
Actual air flow	1109 cfm
Air flow factor	0.038 cfm/Btuh
Static pressure	0.50 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Generic
Trade	
Cond	SEER 13.0
Coil	
AHRI ref	
Efficiency	11.6 EER, 13 SEER
Sensible cooling	17429 Btuh
Latent cooling	7469 Btuh
Total cooling	24898 Btuh
Actual air flow	1109 cfm
Air flow factor	0.057 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	0.83

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Right-Suite@ Universal 2015 15.0.05 RSU02009

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Page 1



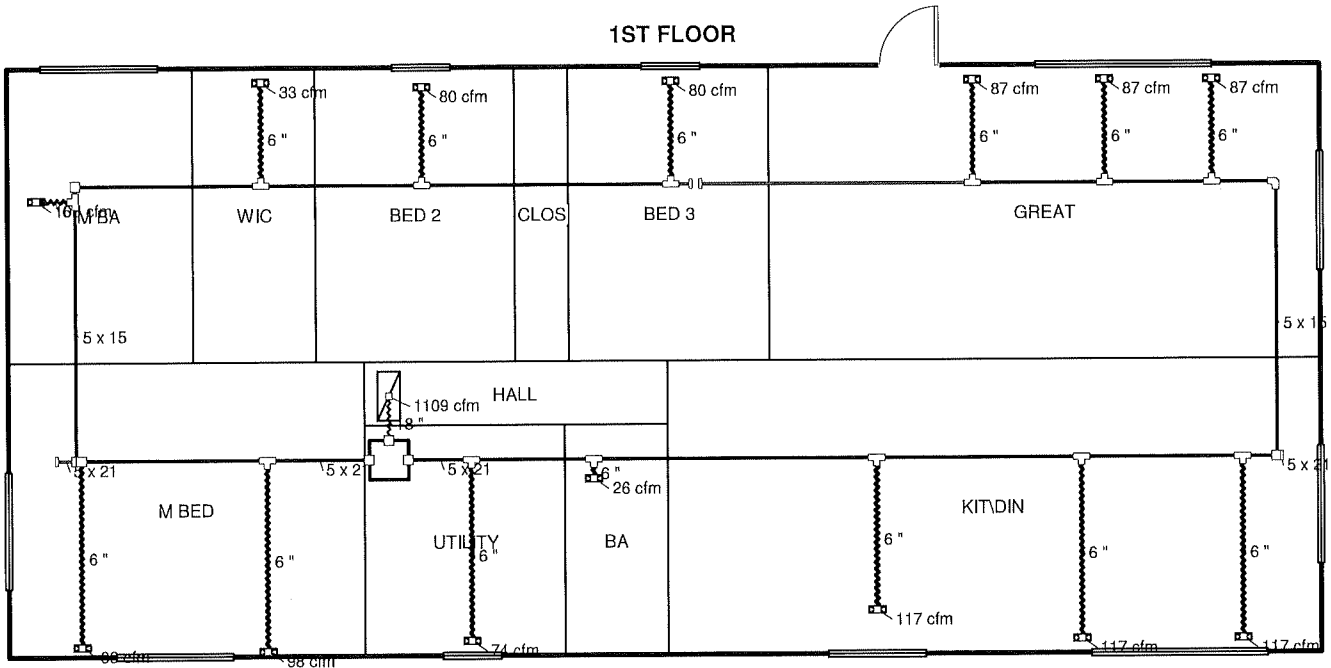
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Michael Faller

1ST FLOOR



Job #: RJ553-A1
Performed by AMS of Indiana, Inc. for:
The Commodore Corporation
RJ553-A1

AMS of Indiana, Inc.
3933 E. Jackson Blvd.
Elkhart, IN 46516
Phone: 574-293-5526 Fax: 574-294-1366
eng-ams@comcast.net

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Page 1
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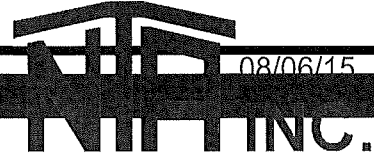


Duct System Summary
Entire House
 AMS of Indiana, Inc.

Job: RJ553-A1
 Date: 8/4/15
 By: AMS of Indiana, Inc.

3933 E. Jackson Blvd., Elkhart, IN 46516 Phone: 574-293-5526 Fax: 574-294-1366 Email: eng-ams@comcast.net

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08/06/15

Project Information

For: The Commodore Corporation
 RJ553-A1

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	Heating	Cooling
External static pressure	0.50 in H2O	0.50 in H2O
Pressure losses	0.26 in H2O	0.26 in H2O
Available static pressure	0.24 in H2O	0.24 in H2O
Supply / return available pressure	0.199 / 0.041 in H2O	0.199 / 0.041 in H2O
Lowest friction rate	0.066 in/100ft	0.066 in/100ft
Actual air flow	1109 cfm	1109 cfm
Total effective length (TEL)		364 ft

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BA	h 682	26	11	0.113	6.0	0x0	VIFx	10.5	165.0	st1
BED 2	c 1400	75	80	0.072	6.0	0x0	VIFx	51.8	225.0	st5
BED 3	c 1392	74	80	0.071	6.0	0x0	VIFx	64.8	215.0	st5
GREAT	h 2291	87	71	0.068	6.0	0x0	VIFx	79.3	215.0	st4
GREAT-A	h 2291	87	71	0.066	6.0	0x0	VIFx	67.0	235.0	st4
GREAT-B	h 2291	87	71	0.067	6.0	0x0	VIFx	72.5	225.0	st4
KITDIN	c 2042	95	117	0.104	6.0	0x0	VIFx	31.8	160.0	st1
KITDIN-A	c 2042	95	117	0.103	6.0	0x0	VIFx	43.8	150.0	st1
KITDIN-B	c 2042	95	117	0.104	6.0	0x0	VIFx	52.0	140.0	st1
M BA	h 2831	108	91	0.085	6.0	0x0	VIFx	30.3	205.0	st5
M BED	c 1710	92	98	0.121	6.0	0x0	VIFx	24.3	140.0	st2
M BED-A	c 1710	92	98	0.121	6.0	0x0	VIFx	15.0	150.0	st2
UTILITY	c 1291	62	74	0.106	6.0	0x0	VIFx	12.5	175.0	st1
WIC	h 862	33	14	0.071	6.0	0x0	VIFx	43.8	235.0	st5

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st4	Peak AVF	262	214	0.066	503	9.6	15 x 5	RectFbg	st1
st5	Peak AVF	290	265	0.071	556	9.8	15 x 5	RectFbg	st2
st1	Peak AVF	636	649	0.066	890	13.4	21 x 5	RectFbg	
st2	Peak AVF	473	460	0.071	649	11.8	21 x 5	RectFbg	



Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	1109	1109	62.3	0.066	628	18.0	0x 0		VIFx	

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08/06/15
NIA INC.

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Michael Faller

CLOTHES DRYER EXHAUST VENT INSTALLATION

PER THE NORTH CAROLINA RESIDENTIAL CODE, DRYER INSTALLATION MUST MEET SECTION 402.4.1 OF THE 2012 NORTH CAROLINA ENERGY CONSERVATION CODE AND SECTIONS 504.1 THRU 506.4.6.2 OF THE 2012 NORTH CAROLINA MECHANICAL CODE.

403.2.2 Sealing. Ducts, air handlers, filter boxes and building cavities used as ducts shall be sealed. Joints and seams shall comply with the North Carolina Mechanical Code. Exception: Ducts exposed within the conditioned space they serve shall not be required to be sealed.

2012 North Carolina Mechanical Code

Chapter 5

504.6 Domestic clothes dryer ducts. Exhaust ducts for domestic clothes dryers shall be constructed of metal and shall have a smooth interior finish. With the exception of the transition duct, flexible ducts are prohibited. The exhaust duct shall be a minimum nominal size of 4 inches (102 mm) in diameter. The entire exhaust system shall be supported and secured in place and shall terminate not less than 12 inches above finished grade. The male end of the duct at overlapped duct joints shall extend in the direction of airflow. Clothes dryer transition ducts used to connect the appliance to the exhaust duct system shall be limited to single lengths not to exceed 8 feet (2438 mm) and shall be listed and labeled for the application. Transition ducts shall not be concealed within construction and must remain entirely within the room in which the appliance is installed.

Exception: Where the duct termination is less than 12 inches above finished grade an area way shall be provided with a cross sectional area not less than 200 square feet. The bottom of the duct termination shall be no less than 12 inches above the area way bottom.

504.6.1 Maximum length. The maximum length of a clothes dryer exhaust duct shall not exceed 45 feet (13716 mm) from the dryer location to the outlet terminal. The maximum length of the duct shall be reduced 5 feet (1524 mm) for each 45 degree (0.79 rad) bend and 10 feet (3048 mm) for each 90 degree (1.6 rad) bend. The maximum length of the exhaust duct does not include the transition duct. **Exception:** Where the make and model of the clothes dryer to be installed is known and the manufacturer's installation instructions for such dryer are provided to the code official, the maximum length of the exhaust duct, including any transition duct, shall be permitted to be in accordance with the dryer manufacturer's installation instructions. See Table 603.4 for gage thickness. Where exhaust ducts are installed in concealed locations, the developed length of the exhaust duct system shall be indicated by permanent labels or tags installed in an observable location.

504.6.2 Rough-in required. Where a compartment or space for a domestic clothes dryer is provided, and exhaust duct system shall be installed in accordance with Sections 504.6 and 504.6.1.

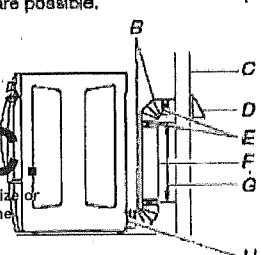
Recommended exhaust installations
Typical installations vent the dryer from the rear of the dryer.
Other installations are possible.

APPROVED BY

NIA INC
08/06/12

Approval of this document does not authorize or approve any deviation or deviations from the requirements of applicable State Laws.

Michael Fallor

- 
- A. DRYER
 - B. ELBOW
 - C. WALL
 - D. EXHAUST HOOD WITH BACK DRAFT DAMPER
 - E. CLAMPS
 - F. RIGID METAL OR FLEXIBLE METAL VENT
 - G. VENT LENGTH NECESSARY TO CONNECT ELBOWS
 - H. EXHAUST OUTLET

2012 North Carolina Energy Conservation Code

402.4.1 Building thermal envelope. The building thermal envelope shall be durably sealed to limit infiltration. The sealing methods between dissimilar materials shall allow for differential expansion and contraction. The following shall be caulked, gasketed, weatherstripped or otherwise sealed with an air barrier material, suitable film or solid material. 1. Deleted. 2. Site-built windows, doors and skylights. 3. Opening between window and door assemblies and their respective jambs and framings. 4. Utility penetrations. 5. Dropped ceilings or chases adjacent to the thermal envelope. 6. Floor framing under knee walls. 7. Walls and ceilings separating the garage from conditioned spaces. 8. Behind tubs and showers on exterior walls. 9. Common walls between dwelling units. 10. Other sources of infiltration.

402.5 Moisture control. (Mandatory). The building design shall not create conditions of accelerated deterioration from moisture condensation. Above-grade frame walls, floors and ceiling not ventilated to allow moisture to escape shall be provided with an approved vapor retarder. The vapor retarder shall be installed on the warm-in-winter side of the thermal insulation. **Exceptions:** 1. In construction where moisture or its freezing will not damage the materials. 2. Frame walls, floors and ceiling in jurisdictions in Zones 3 and 4A. (Crawl space floor vapor retarders are not exempted.) 3. Where other approved means to avoid condensation are provided.

**NORTH CAROLINA
MODULAR PLANS REVIEW CHECKLIST**

revised MAY 2011

PAGE 1 of 3

Manufacturer	R-Anell Housing Group
Model number/name	RJ553-A1
3rd Party	NTA
Review Date	8/16/15
Reviewer	MICHAEL PAUER
	Plan Sheet Page # and NOTES
QC MANUAL (current and complete)	OK
APPENDIX B (required and attached)	N/A - Does Not Apply to Residential Modulares
PLAN SHEETS	
Each plan sheet third-party stamped with approver's name	OK
Each plan sheet is numbered and/or indexed	OK
GENERAL (cover sheet)	
Code References	Cover sheet
Statement regarding connection to public utilities	Cover sheet
Statement regarding bathrooms if not included	NA
Construction type	Cover sheet - 5B (Wood Frame - Unprotected)
Occupancy classification	Cover sheet - Single Family Residential
Fire resistance ratings (if required)	NA
Floor live load	Cover sheet
Roof live load	Cover sheet
Design wind velocity	Cover sheet
Seismic information (commercial projects)	NA
Thermal zones	Cover sheet
Notice to Inspections department regarding items to be site installed	Cover sheet
FLOOR PLANS	
Interior and exterior wall layouts	Page FP
Door and window schedule	Schedules and General Notes Page
Light and Ventilation requirements	Schedules and General Notes Page
Attic access (size and location)	Page FP
Non-prescriptive headers	N/A
Safety glazing requirements	Shown on floor plan with "S" symbol
Fire rating of Exterior walls (if applicable)	NA
EXTERIOR ELEVATIONS	
Exterior materials	Page EL
Attic ventilation requirements	Page XS
PLUMBING	
Plan	Pages WH, WC, DL, DN, & GA
All fixtures furnished by mfg. shown on plans	Pages WH, WC, DL, DN, GA (references design manual)
Materials (water supply & distribution, DWV, storm drainage)	Pages WH, WC, DL, DN, & GA
Supply and waste risers, including DWV system (generic) beneath the building.	Pages WH, WC, DL, DN, & GA
Water heater (type and capacity)	Electric 50 gal

**NORTH CAROLINA
MODULAR PLANS REVIEW CHECKLIST**

PAGE 2 of 3

revised MAY 2011

Plan Sheet Page # and NOTES

MECHANICAL

Design calculations	N/A
Installed unit capacity	ResCheck
Supply and returns (locations and sizes)	Pages HS & HR
Duct sizes	Page HS
Specifications (units, ducts)	Page HS (reference design manual)
All appliances furnished by mfg. shown on plans	Page FP

ELECTRICAL

Plan	Page EP
Location of all electrical boxes	Page EP
Electrical panel location	Page EP
Note regarding main disconnect (if applicable)	Page NG
Exterior lighting and receptacles	Page EP
Ground level receptacles (if applicable)	Page EP
Smoke detector location(s)	Page EP
Electrical load calculations	Page NG
Electrical panel layout (breaker and wire sizes, circuit schedule)	Page NG
Panel and service entrance sizes	Page NG
All fixtures furnished by mfg. shown on plans	Page EP

ACCESSIBILITY

(for other than 1 & 2 family dwellings)

Entrances and means of egress	N/A
Doors, doorways, and door hardware	N/A
Stairs and handrails	N/A
Toilet rooms, plumbing fixtures, grab bars, etc	N/A
Bathrooms and shower rooms	N/A
Occupancy specific requirements	N/A
Multi-family dwellings - Type A and B units	N/A

FLOOR X-SECTION

Joist and beam sizes and spacing	Page XS
Materials species and grade	Page XS
Sheathing, decking, and concrete as applicable	Page XS
Fastening instructions	Page XS
Insulation	ResCheck
Details as required for clarification	N/A

WALL X-SECTION

Stud and column sizes and spacing	Page XS
Materials species and grade	Page XS
Sheathing and bracing	Page XS
Headers and lintels	Page XS
Finishes	Page XS
Fastening instructions	Cover Sheet (references Installation Manual)
Insulation	ResCheck
Details as required for clarification	ResCheck

MODULAR PLANS REVIEW CHECKLIST

PAGE 3 of 3

revised MAY 2011

Plan Sheet Page # and NOTES

CEILING/ROOF X-SECTION

Truss, rafter, and beam spacing	Page XS, Cover Sheet, truss dwgs.
Lumber species and grade	Design Manual
Sheathing and decking	Page XS
Finishes	Page XS
Fastening instructions	Installation Manual
Insulation	ResCheck
Details including NC sealed truss designs or manual reference	Design Manual

FOUNDATION PLAN

Footings, pier, and curtain wall locations and specifications	Page FD20# & Installation Manual
X-sections with dimensions	Page FD20# & Installation Manual
Anchorage - sill plate to piers and curtain wall	Page FD20# & Installation Manual
Anchorage - building to sill plate	Page FD20# & Installation Manual
Anchorage - tie downs (lateral and longitudinal)	Page FD20# & Installation Manual
Soil bearing capacity	Page FD20# & Installation Manual
Minimum concrete compressive strength	Page FD20# & Installation Manual
Mortar type	Page FD20# & Installation Manual
Ventilation requirements (with and without vapor barrier)	Page FD20# & Installation Manual
Crawl space access requirements	Page FD20# & Installation Manual

ENERGY COMPLIANCE

Demonstrate compliance	ResCheck
------------------------	----------

SET-UP INSTRUCTIONS

Floor and ceiling connections	Page 32 of Installation Manual
Marriage wall connections	Page 32 of Installation Manual
Roof set-up connections	Page 32 of Installation Manual
Plumbing connections	Pages 48-50 of Installation Manual
Mechanical connections	Page 50 of Installation Manual
Electrical connections	Page 46-48 of Installation Manual
Fire stopping	not specifically addressed in installation manual (inherent in design)
Air infiltration elimination	not specifically addressed in installation manual (part of IRC requirements)
Notice to inspections department attachment if set-up instructions are by attachment	Cover Sheet

ITEMS NOT INSPECTED IN PLANT

List of items not inspected by 3rd. Party	Cover Sheet
Notice to inspections department	Code page



Application # _____

Harnett County Central Permitting

PO Box 65 Lillington, NC 27546

910-893-7525 Fax 910-893-2793 www.harnett.org/permits

* Each section below to be filled out by whomever performing work. Must be owner or licensed contractor. Address, company name & phone must match information on license.

Application for Residential Building and Trades Permit

Owner's Name: _____ Date: _____

Site Address: _____ Phone: _____

Subdivision: _____ Lot: _____

Description of Proposed Work: _____ Total Job Cost: _____

General Contractor Information

Building Contractor's Company Name _____ Telephone _____

Address _____ Email Address _____

License # _____

Electrical Contractor Information

Description of Work _____ Service Size: _____ Amps T-Pole: ___ Yes ___ No

Electrical Contractor's Company Name _____ Telephone _____

Address _____ Email Address _____

License # _____

Mechanical/HVAC Contractor Information

Description of Work _____

Mechanical Contractor's Company Name _____ Telephone _____

Address _____ Email Address _____

License # _____

Plumbing Contractor Information

Description of Work _____ # Baths _____

Plumbing Contractor's Company Name _____ Telephone _____

Address _____ Email Address _____

License # _____

Insulation Contractor Information

Insulation Contractor's Company Name & Address _____ Telephone _____

***NOTE: General Contractor / owner must fill out and sign the second page of this application.**



I hereby certify that I have the authority to make necessary application, that the application is correct and that the construction will conform to the regulations in the Building, Electrical, Plumbing and Mechanical codes, and the Harnett County Zoning Ordinance. I state the information on the above contractors is correct as known to me and that **by signing below I have obtained all subcontractors permission to obtain these permits** and if **any** changes occur including listed contractors, site plan, number of bedrooms, building and trade plans, Environmental Health permit changes or proposed use changes, I certify it is my responsibility to notify the Harnett County Central Permitting Department of any and all changes.
EXPIRED PERMIT FEES - 6 Months to 2 years permit re-issue fee is \$150.00. After 2 years re-issue fee is as per current fee schedule.

 Signature of Owner/Contractor/Officer(s) of Corporation

 Date

Affidavit for Worker's Compensation N.C.G.S. 87-14

The undersigned applicant being the:

_____ General Contractor _____ Owner _____ Officer/Agent of the Contractor or Owner

Do hereby confirm under penalties of perjury that the person(s), firm(s) or corporation(s) performing the work set forth in the permit:

_____ Has three (3) or more employees and has obtained workers' compensation insurance to cover them.

_____ Has one (1) or more subcontractors(s) and has obtained workers' compensation insurance to cover them.

_____ Has one (1) or more subcontractors(s) who has their own policy of workers' compensation insurance covering themselves.

_____ Has no more than two (2) employees and no subcontractors.

While working on the project for which this permit is sought it is understood that the Central Permitting Department issuing the permit may require certificates of coverage of worker's compensation insurance prior to issuance of the permit and at any time during the permitted work from any person, firm or corporation carrying out the work.

Sign w/Title: _____ Date: _____

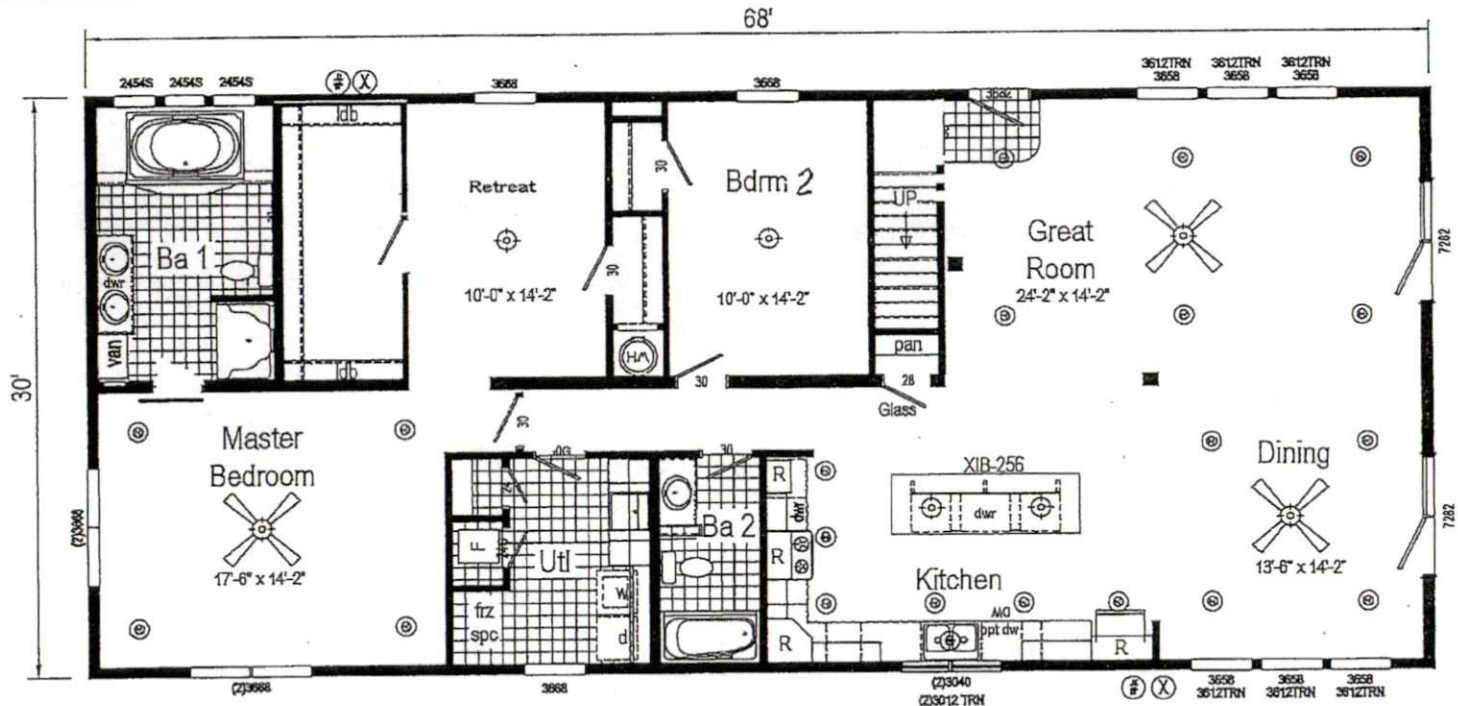
Final Interior

RJ553-A1

Make bath to closet a solid wall Flip Shelf
 Make closet opening from old BR 2
 Make opening from Hall to BR 2
 Add Door in Hall to enter MBR or retreat
 Remove MBR and M bath Door
 Install Barn Door at Mbath

Make LR an Open Stairwell We need to
 order Railing and trim from factory

Remove Rock on column and replace
 with sheetrock column



RJ553-A1 3268 Approx. 2040 Sq. Ft

Book R-Anell Housing Group, LLC - Subsidiary of The Commodore Corp.
 Title Literature

DATE	REVISION	SCALE	DATE	DATE	DATE
3/26	1	3/18" = 1'-0"	03/03/15	03/03/15	03/03/15
		Drawn By: NE	Reference: NONE	Drawn: 4/23/20	

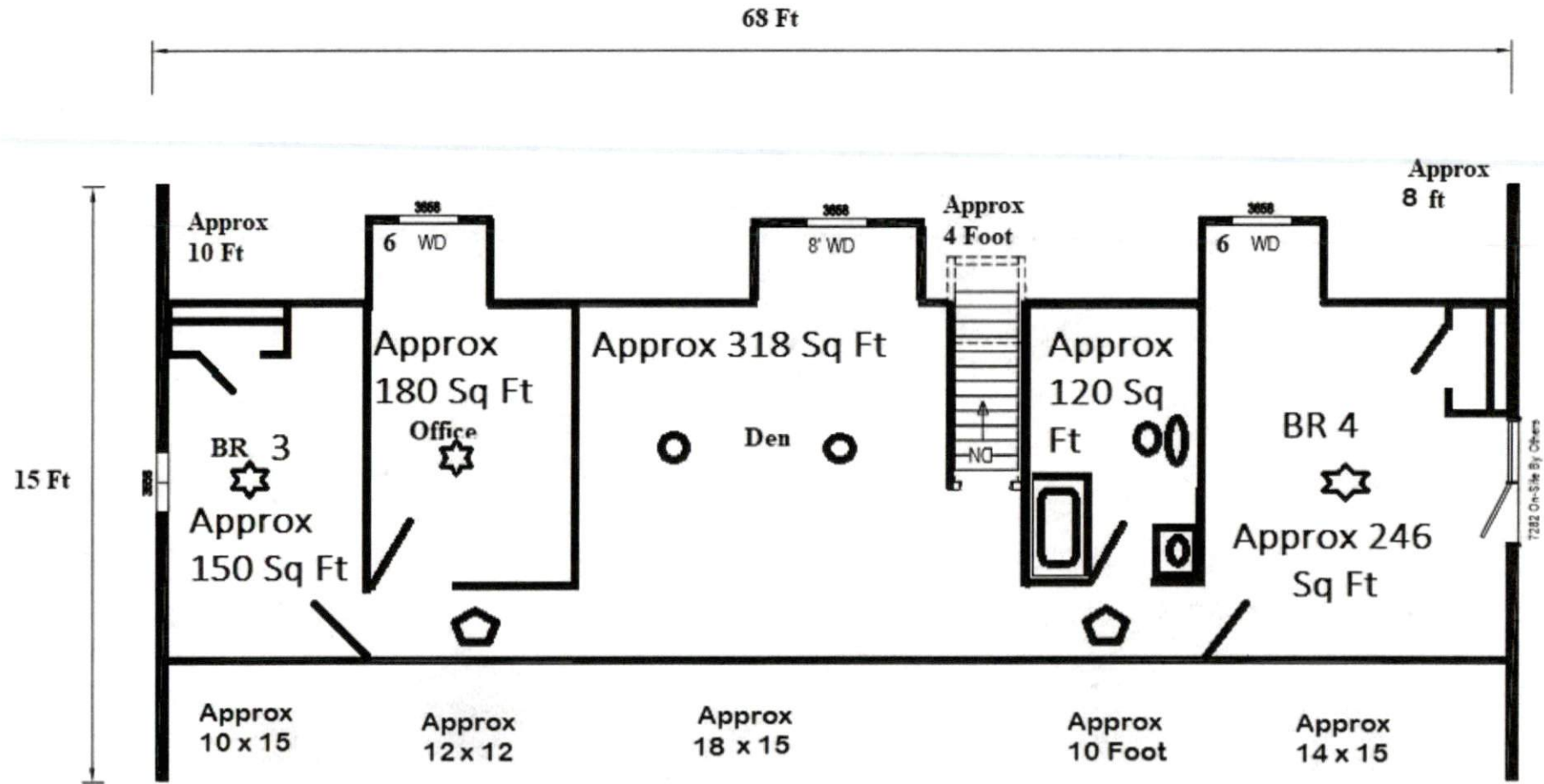
Leaving No. RJ553-A1
 LIT

x [Signature] 8/24/2020
 x [Signature] 8/24/2020

Door ways are 30 inch

The Atrium Door is a 7282

Windows are 3658's



- ☆ Ceiling Fan
- Dome Lights
- ⬠ Can Lights