

Byron & Sophie Matto

2nd Floor Addition

Architectural Drawings Index

These Drawings are "An Instrument of Service" provided to The Client for several purposes. They are used for documenting the Design Process between the Client and the Architect, Defining the Scope of Work to be built, obtaining Estimates & Bids, and for Obtaining Building Permits and Approvals as may be required for Construction of This Project.
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NOTE: Drawings Issued as Progress Drawings or Bid Documents are not to be used for Obtaining Permits or for Constructing the Project. Only Drawings that are Sealed and Signed by The Architect may be used for Obtaining the Building Permit.

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Accuracy of Drawings
All dimensions & conditions depicted in these drawings are for the purpose of defining the Scope of Work and the Design Intention of the Owner and Architect. Any discrepancies between these drawings and actual field conditions or measurements must be reported promptly to the Architect prior to proceeding with construction. Any field changes to the design while under construction must also be reported to the Architect so that the Record Drawings can be updated and the changes reviewed for code compliance and possible design conflicts.

Please DO NOT SCALE Drawings for critical dimensions...contact architect for clarification or resolution.

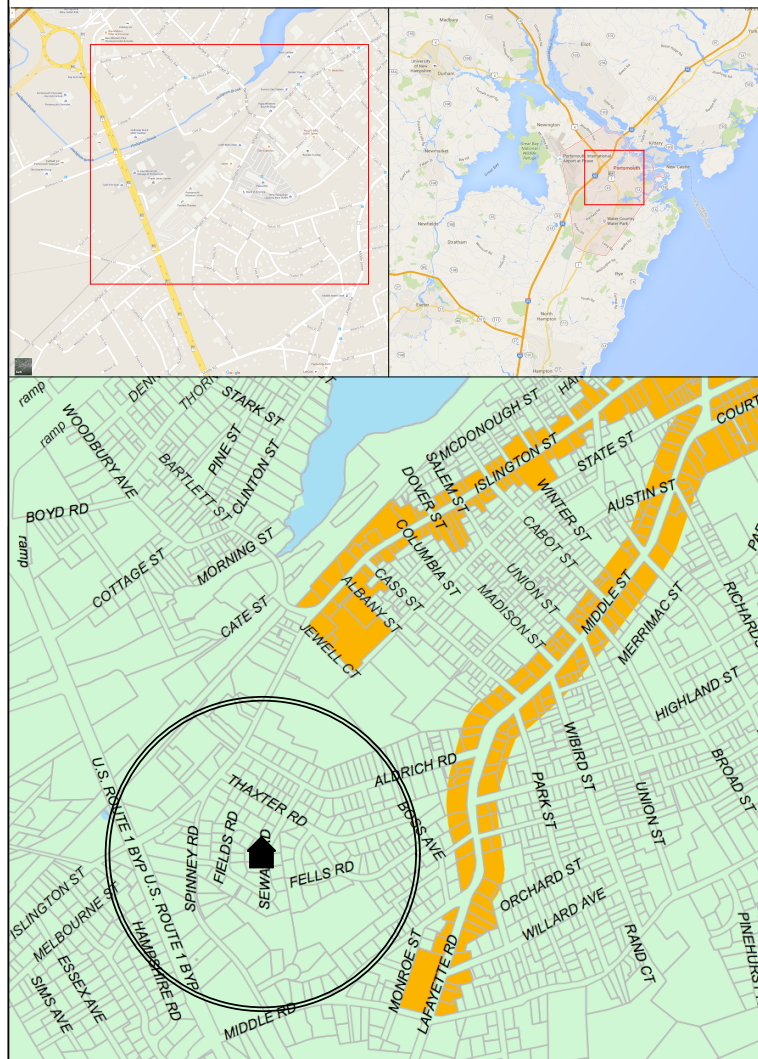
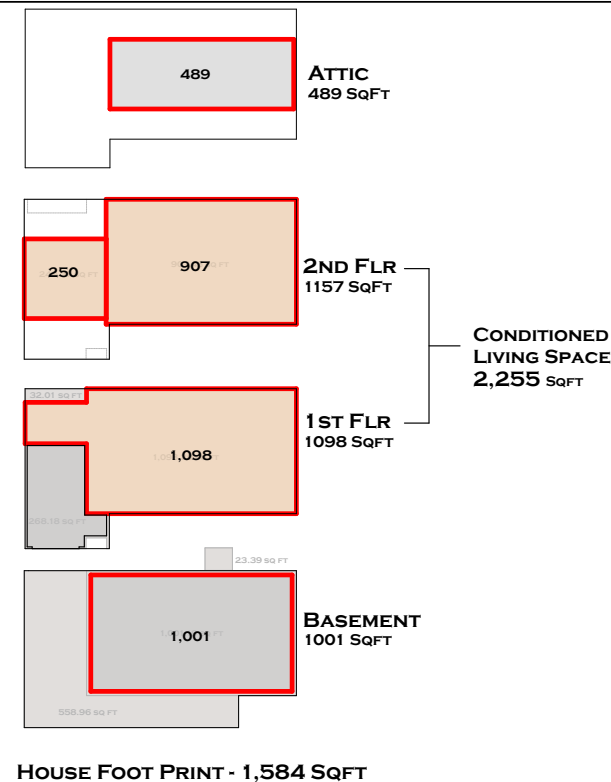
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Notes:

Additions & Alterations

17 FIELDS ROAD
PORTSMOUTH - NEW HAMPSHIRE



Property Location Map

Building Code References

Applicable Codes and Regulations for this Project Are:
THE ZONING REGULATIONS of the Town of Portsmouth
New Hampshire
And
THE NEW HAMPSHIRE STATE BUILDING CODE
Inclusive of the following references & documents:

Current State Building Code	
State Building Code - 2005 CT Supplement 2009 Amendments 2011 Amendment 2013 Amendment Wind Load Errata	2003 International Building Code 2003 International Existing Building Code 2003 International Plumbing Code 2003 International Mechanical Code 2009 International Residential Code 2009 International Energy Conservation Code 2011 National Electrical Code (NFPA 70)
Prior Codes	

Use Group R-3

Construction Type 5B

General Building Design Criteria

Design Loads: Max Deflection L/360

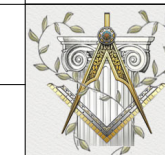
1st Floor - 45 PSF Live Load, 15 PSF Dead Load
2nd Floor - 35 PSF Live Load, 15 PSF Dead Load
3rd Floor - 35 PSF Live Load, 15 PSF Dead Load
Roof - 30 PSF Snow Load, 15 PSF Dead Load

ResCheck - IECC (International Energy Code Compliance)

Energy Code Compliance will be confirmed by the General Contractor and Insulation Sub-Contractor using most current version of ResCheck and will be appended to the Building Permit Application.

Reminder - Call Before You Dig! 1-800-922-4445

The Presence & Location of all underground utilities & structures must be determined prior to construction and verified by the appropriate Utility Company or regulatory agency.



Joseph Matto Architect
AIA

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Builder & General Contractor

Chris Martin - Martin Construction Co., LLC

Project Consultants

Project Data

Clients: Byron, Sophie, Ethan & Aurora Matto

17 Fields Road
Portsmouth, NH

Phone: _____
Email: _____

Project Year
2018



Issue Date

12/31/18

Revisions

Foundation Plan

Scale (s)

3/8" = 1'-0"

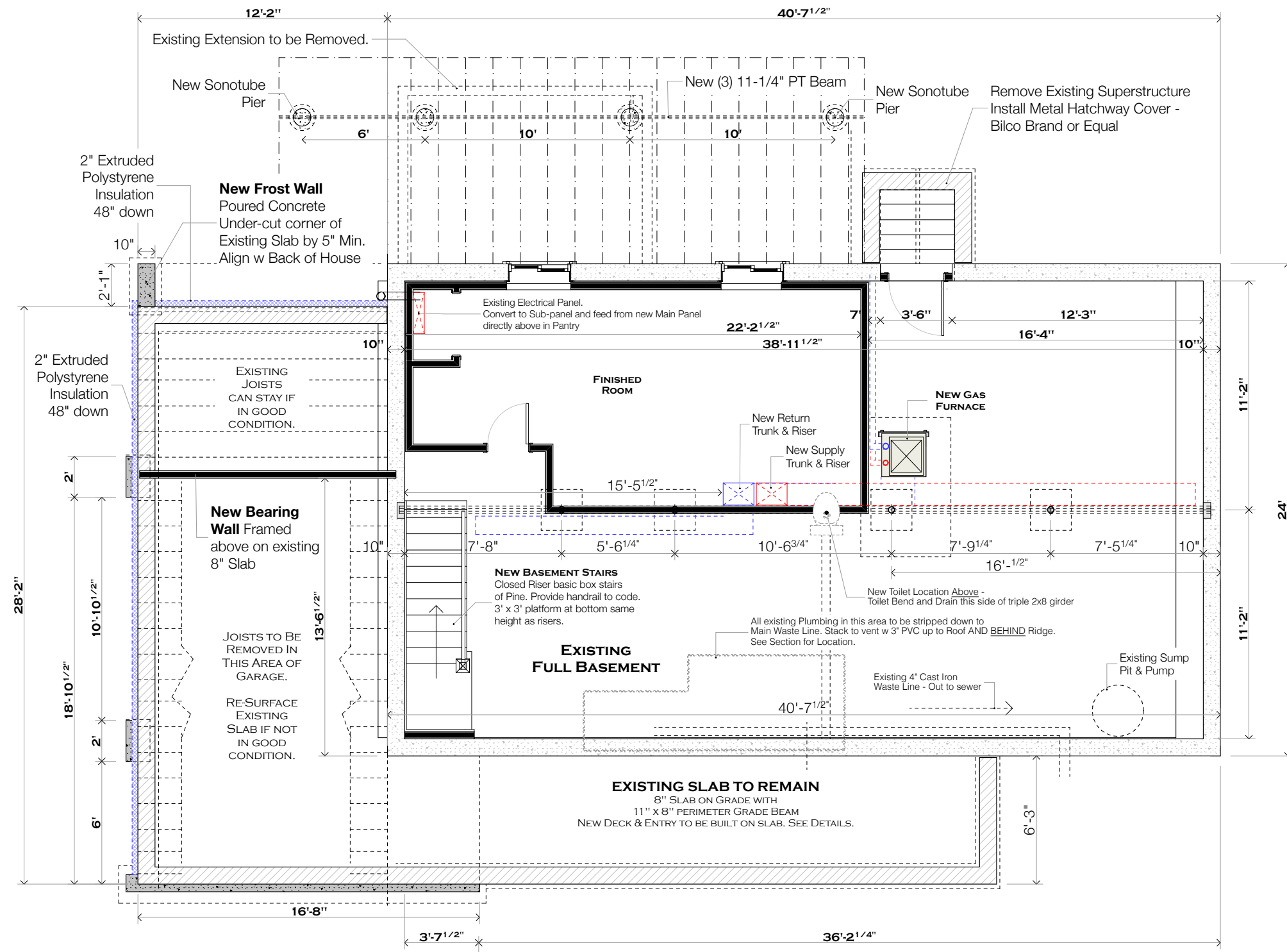
414 A Bluehawk Lane
Stratford, Ct. 06614
17 Fields Road
Portsmouth, NH

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1 Basement Level & Existing Foundation & Slabs
SCALE: 3/8" = 1'-0"

DOOR SCHEDULE

DOOR SCHEDULE							
ID	QTY	LEAF SIZE	RO WIDTH	RO HEIGHT	OPERATION	SYMBOL	NOTES
1	1	3'x6'-8"					
2	1	2'-8" x 6'-8"					
3	1	2'-8" x 6'-8"					
4	1	2'-8" x 6'-8"					
5	1	2'-8" x 6'-8"					
6	1	2'-8" x 6'-8"					
7	1	2'-4" x 6'-8"					
7	1	2' x 6'-8"					
8	1	2'-4" x 6'-8"					
8	1	2'-8" x 6'-8"					
10	1	2'-8" x 6'-8"					
11	1	2'-6" x 6'-8"					
12	1	2'-8" x 6'-8"					
13	1	2' x 6'-8"					
14	1	2'-6" x 6'-8"					
15	1	2' x 6'-8"					
16	1	2'-6" x 6'-8"					
16	1	2'-6" x 6'-8"					
17	1	4' x 6'-8"					
18	1	2'-6" x 6'-8"					
18	1	2'-6" x 6'-8"					
19	1	4' x 6'-8"					
19	1	4' x 6'-8"					
20	1	2'-6" x 6'-8"					
20	1	2'-6" x 6'-8"					
21	1	2'-6" x 6'-8"					
21	1	2'-6" x 6'-8"					
22	1	2'-6" x 6'-8"					
22	1	2'-6" x 6'-8"					
23	1	2'-6" x 6'-8"					
23	1	2'-6" x 6'-8"					
G1	1	9' x 8'					GARAGE ...
...	1	2'-8" x 6'-8"					
...	1	2'-8" x 6'-8"					
...	1	2'-8" x 6'-8"					
35							

Window Schedule

Andersen 400 SeriesOR EQUAL

Double Glazed w Low E
with Screens
Hardware - White

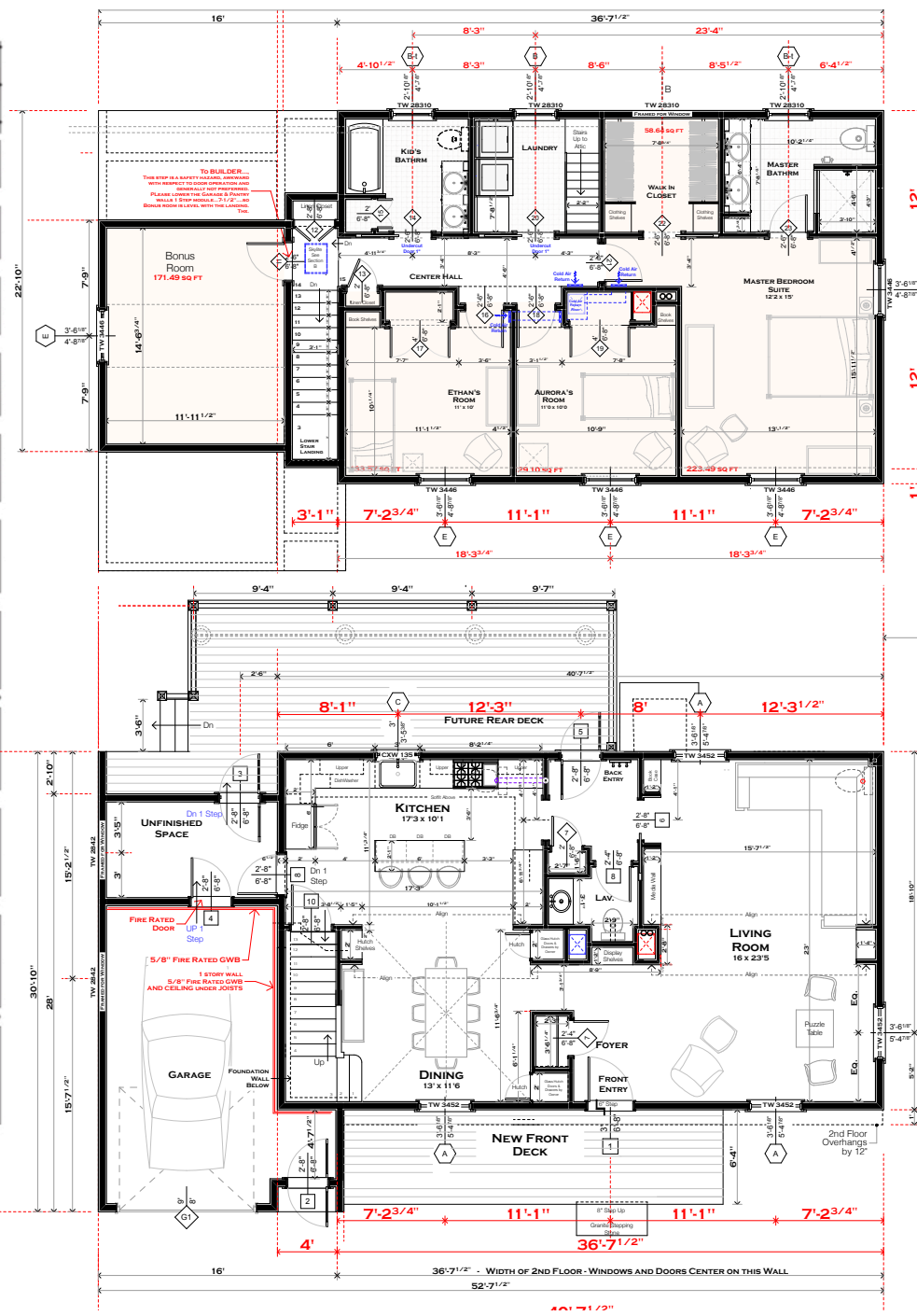
Exterior Trim - 5/4 x 4 Legs & Head
Historic Sill (No Apron)
Head Drip Cap w metal flashing
Provide Opening Wrap & Flashing

ID	A	B	B-t	C	E
View from Outside					
Plan Symbol					
Rough Opening	W Double Hung 10	W Double Hung 10	W Double Hung 10	W1 Casement 10	W Double Hung 10
Egress Unit			TEMPERED GLASS IN BATHROOMS		EGRESS UNITS
Quantity	4	4	3	1	8

400 SERIES TILT-WASH DOUBLE-HUNG WINDOWS

Table of Basic Unit Sizes Scale 1/8" = 1'-0" (1:96)

Unit Dimension	1'-9 5/8" (549)	2'-1 1/8" (651)	2'-5 3/8" (752)	2'-7 5/8" (803)	2'-9 5/8" (854)	2'-11 1/8" (905)	3'-1 1/8" (956)	3'-5 3/8" (1057)	3'-9 5/8" (1158)
Minimum Rough Opening	1'-10 1/8" (562)	2'-2 1/8" (664)	2'-6 1/8" (765)	2'-8 1/8" (816)	2'-10 1/8" (867)	3'-0 1/8" (917)	3'-2 1/8" (968)	3'-6 1/8" (1070)	3'-10 1/8" (1172)
Unobstructed Glass*	15" (381)	19" (483)	23" (584)	25" (635)	27" (686)	29" (737)	31" (787)	35" (889)	39" (991)
3'-0 1/8" (937)									
3'-0 1/8" (937)									
3'-0 1/8" (937)									
3'-4 1/8" (1038)	TW18210	TW20210	TW24210	TW26210	TW28210	TW210210	TW30210	TW34210	TW38210
3'-4 1/8" (1038)									
3'-4 1/8" (1038)									
3'-8 1/8" (1140)	TW1832	TW2032	TW2432	TW2632	TW2832	TW21032	TW3032	TW3432	TW3832
3'-8 1/8" (1140)									
3'-8 1/8" (1140)									
4'-0 1/8" (1241)	TW1836	TW2036	TW2436	TW2636	TW2836	TW21036	TW3036	TW3436	TW3836
4'-0 1/8" (1241)									
4'-0 1/8" (1241)									
4'-4 1/8" (1343)	TW1830	TW2030	TW2430	TW2630	TW2830	TW21030	TW3030	TW3430	TW3830
4'-4 1/8" (1343)									
4'-4 1/8" (1343)									
4'-8 1/8" (1445)	TW1842	TW2042	TW2442	TW2642	TW2842	TW21042	TW3042	TW3442	TW3842
4'-8 1/8" (1445)									
4'-8 1/8" (1445)									
5'-0 1/8" (1546)	TW1846	TW2046	TW2446	TW2646	TW2846	TW21046	TW3046	TW3446	TW3846
5'-0 1/8" (1546)									
5'-0 1/8" (1546)									
5'-4 1/8" (1648)	TW1840	TW2040	TW2440	TW2640	TW2840	TW21040	TW3040	TW3440	TW3840
5'-4 1/8" (1648)									
5'-4 1/8" (1648)									
5'-8 1/8" (1749)	TW1852	TW2052	TW2452	TW2652	TW2852	TW21052	TW3052	TW3452	TW3852
5'-8 1/8" (1749)									
5'-8 1/8" (1749)									
6'-0 1/8" (1851)	TW1856	TW2056	TW2456	TW2656	TW2856	TW21056	TW3056	TW3456	TW3856
6'-0 1/8" (1851)									
6'-0 1/8" (1851)									
6'-4 1/8" (1953)	TW1850	TW2050	TW2450	TW2650	TW2850	TW21050	TW3050	TW3450	TW3850
6'-4 1/8" (1953)									
6'-4 1/8" (1953)									
6'-8 1/8" (2055)	TW1862	TW2062	TW2462	TW2662	TW2862	TW21062	TW3062	TW3462	TW3862
6'-8 1/8" (2055)									
6'-8 1/8" (2055)									



Issue Date
12/31/18

Revisions

Scale (s)
1:0.7, 1:0.6, 3/16" = 1'-0", 1:1.1

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Stratford, Ct. 06614

Byron & Sophie Matto and Family
17 Fields Road
Portsmouth, NH



Issue Date
12/31/18

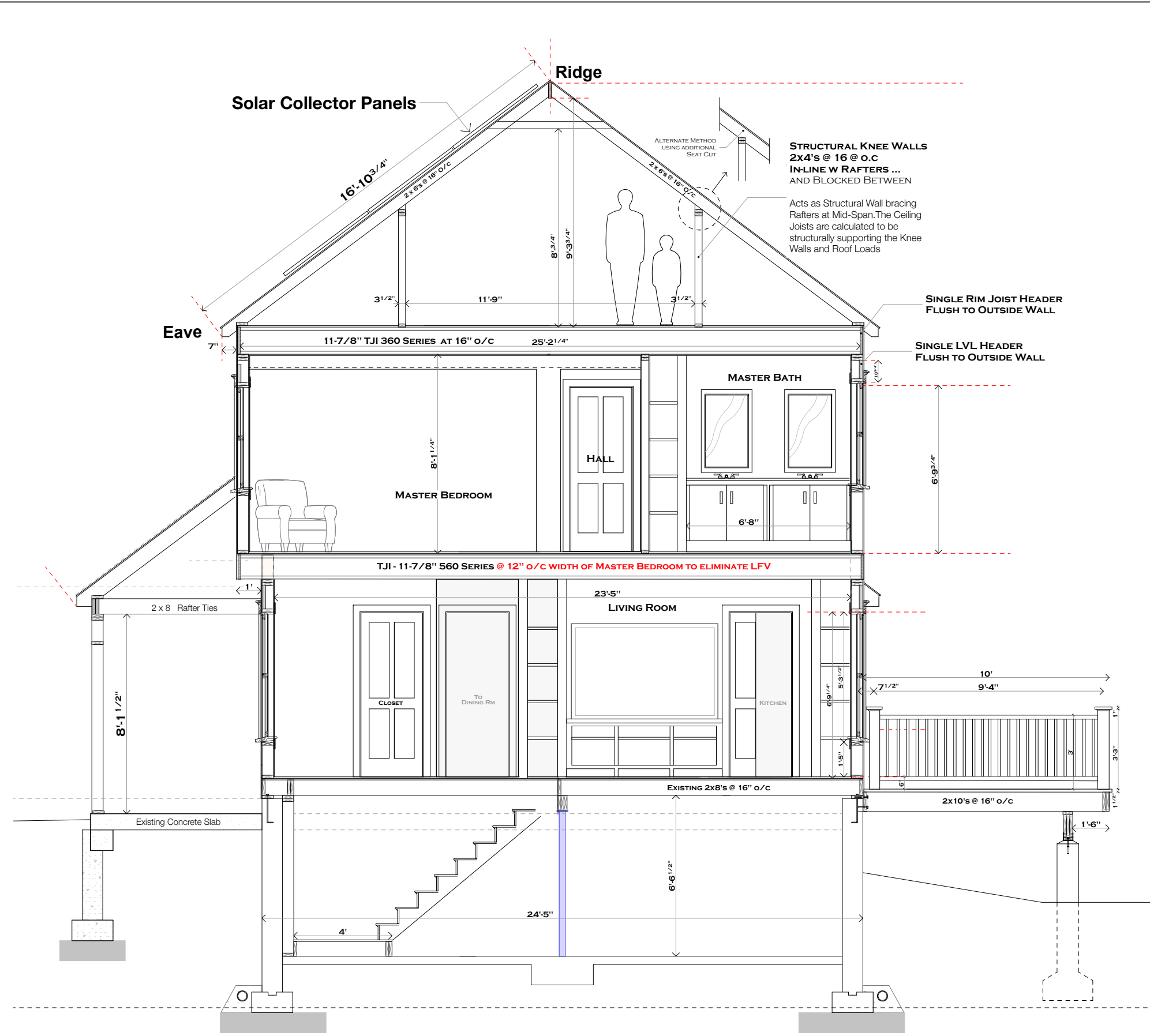
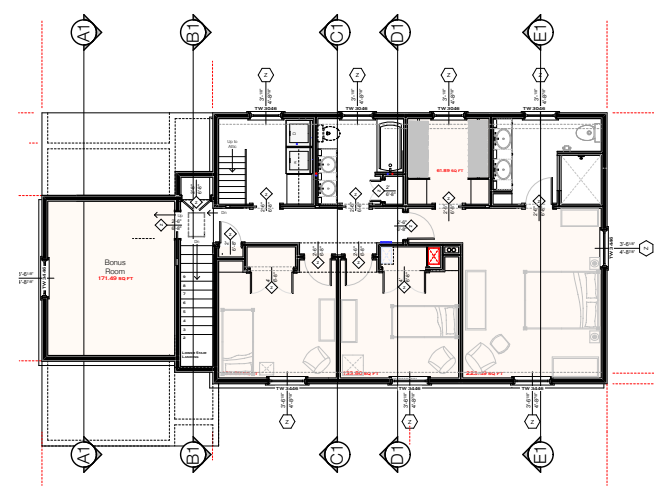
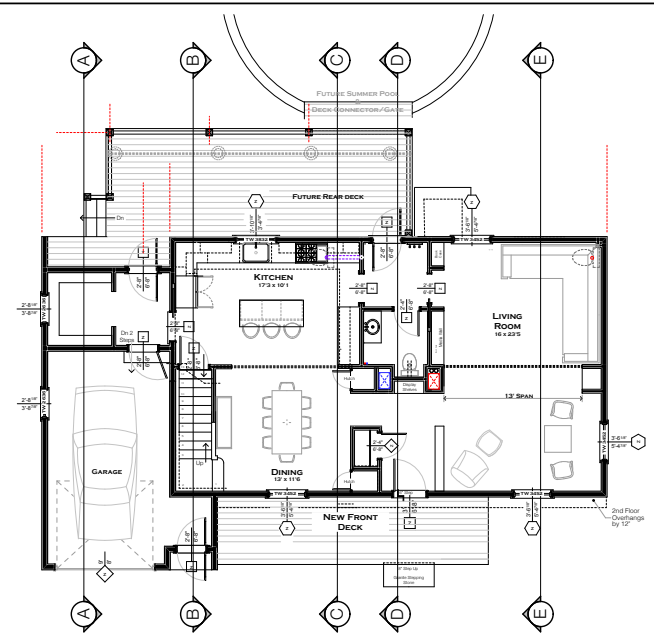
Section E - Living Room & Master Bedroom/Bath

Scale (s)
1/2" = 1'-0", 1/8"
= 1'-0"

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1 Section E - Looking North



Issue Date
12/31/18

Revisions

Scale (s)
1/2" = 1'-0"

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2 2nd Floor Plan - TRACE UNDERLAY

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

1 ATTIC Floor - TJI Deck Framing

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



ELECTRICAL & LIGHTING SCHEDULE

FLOOR	ID	...	DEVICE	ROOM	INSTALL/MO...	WAT...	AM...	VOLTS	COLOR	NOTES:
1ST FLO...	A		CEILING LIGHT - SM...	DR CHANDELIER	CEILING SURFACE					
1ST FLO...	A	1	RECESSED LIGHT - ...	GARAGE FRONT ENTRY	RECESSED					
1ST FLO...	C		CEILING LIGHT - SM...	CENTER BACK ENTRY	CEILING SURFACE					
1ST FLO...	D		CEILING LIGHT - SM...	GARAGE LEFT	CEILING SURFACE					
1ST FLO...	D		CEILING LIGHT - SM...	MUDROOM	CEILING SURFACE					
1ST FLO...	D		CEILING LIGHT - SM...	PANTRY	CEILING SURFACE					
1ST FLO...	D		CEILING LIGHT - SM...	GARAGE RIGHT	CEILING SURFACE					
1ST FLO...	DR 1		RECESSED LIGHT - ...	DINING RM LEFT	RECESSED					
1ST FLO...	DR 1		RECESSED LIGHT - ...	DINING RM RIGHT	RECESSED					
1ST FLO...	DR 1		RECESSED LIGHT - ...	DINING RM RIGHT	RECESSED					
1ST FLO...	DR 1		RECESSED LIGHT - ...	DINING RM RIGHT	RECESSED					
1ST FLO...	K 1		RECESSED LIGHT - ...	ISLAND	RECESSED					
1ST FLO...	K 1		RECESSED LIGHT - ...	ISLAND	RECESSED					
1ST FLO...	K 1		RECESSED LIGHT - ...	KITCHEN COUNTER	RECESSED					
1ST FLO...	K 1		RECESSED LIGHT - ...	KITCHEN COUNTER	RECESSED					
1ST FLO...	K 1		RECESSED LIGHT - ...	KITCHEN COUNTER	RECESSED					
1ST FLO...	K 1		RECESSED LIGHT - ...	KITCHEN COUNTER	RECESSED					
1ST FLO...	K 1		RECESSED LIGHT - ...	KITCHEN COUNTER	RECESSED					
1ST FLO...	L 1		CEILING LIGHT - SM...	LEGEND					
1ST FLO...	L 1		RECESSED LIGHT - ...	LEGEND					
1ST FLO...	LR 1		RECESSED LIGHT - ...	LIVING RM	RECESSED					
1ST FLO...	LR 1		RECESSED LIGHT - ...	LIVING RM	RECESSED					
1ST FLO...	LR 1		RECESSED LIGHT - ...	LIVING RM	RECESSED					
1ST FLO...	LR 1		RECESSED LIGHT - ...	LIVING RM	RECESSED					
1ST FLO...	LR 1		RECESSED LIGHT - ...	LIVING RM	RECESSED					
1ST FLO...	LR 1		RECESSED LIGHT - ...	LIVING RM	RECESSED					
1ST FLO...	LR 1		RECESSED LIGHT - ...	LIVING RM	RECESSED					
1ST FLO...	LR 1		RECESSED LIGHT - ...	LIVING RM	RECESSED					
1ST FLO...	OB...	1	VANITY STRIP - SMA...	HALF BATH	RECESSED					
1ST FLO...	P		CEILING LIGHT - SM...	ISLAND PENDANT	CEILING SURFACE					
1ST FLO...	P		CEILING LIGHT - SM...	ISLAND PENDANT	CEILING SURFACE					
1ST FLO...	P		CEILING LIGHT - SM...	ISLAND PENDANT	CEILING SURFACE					

OUTLETS SCHEDULE

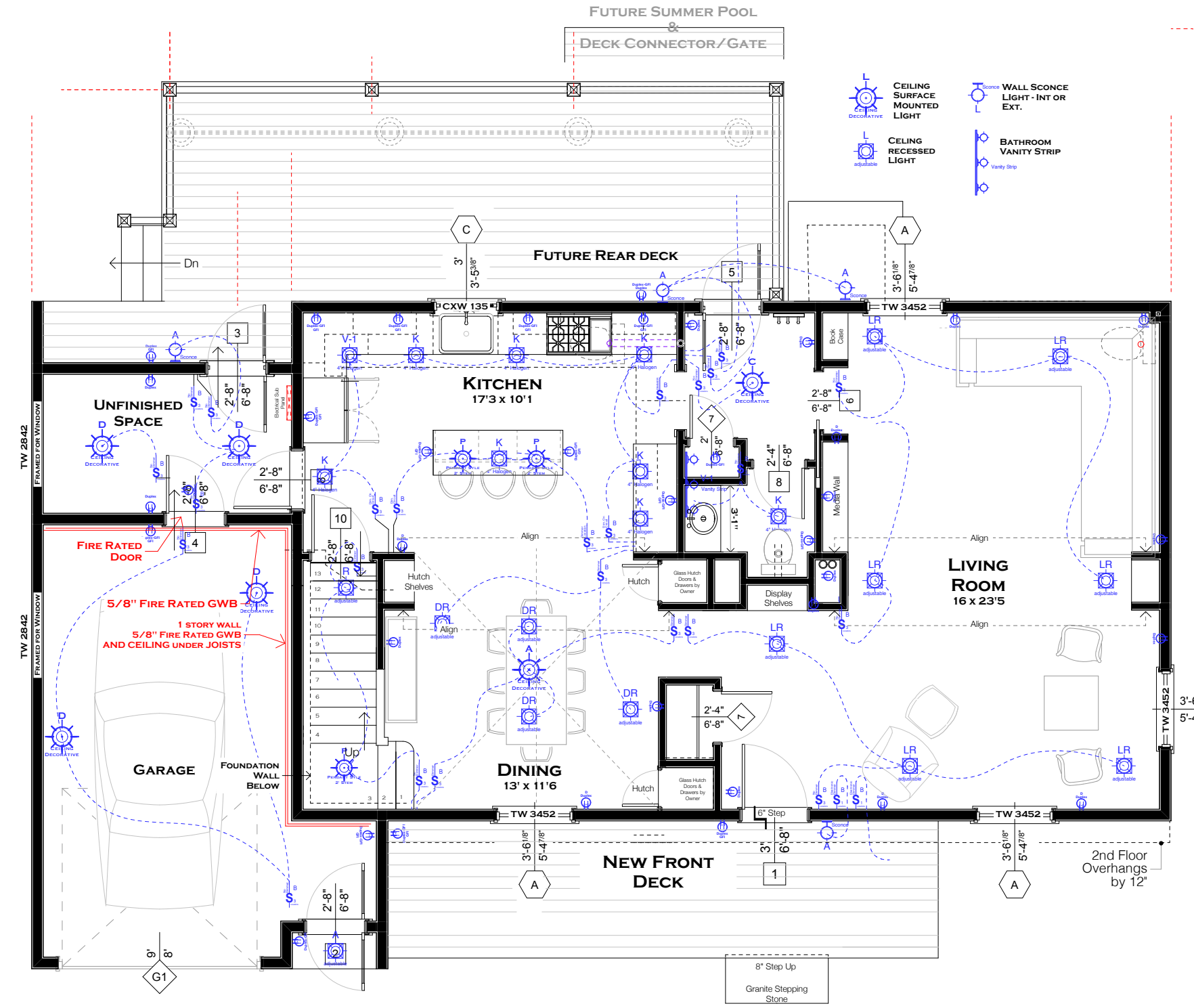
SWITCH SCHEDULE				
FLOOR	DESCRIPTION	QTY	LOCATION	COLOR
1ST FLOOR PLAN - FINAL	DUPLEX	15	AS SHOWN	WHITE
1ST FLOOR PLAN - FINAL	DUPLEX-GFI	14	AS SHOWN	WHITE
29		29		
2ND FLOOR - FINAL	DUPLEX-WM-110	1	LAUNDRY	WHITE
2ND FLOOR - FINAL	DUPLEX	6	AS SHOWN	WHITE
2ND FLOOR - FINAL	LK	1	AS SHOWN	
8		8		
37		37		

2nd Floor Ductwork

SCALE: 1" = 1'-0"

SWITCH SCHEDULE

FLOOR	DESCRIPTION	QTY	LOCATION	COLOR
1ST FLOOR PLAN - FINAL	DUPLEX	15	AS SHOWN	WHITE
1ST FLOOR PLAN - FINAL	DUPLEX-GFI	14	AS SHOWN	WHITE
29		29		
2ND FLOOR - FINAL	DUPLEX-WM-110	1	LAUNDRY	WHITE
2ND FLOOR - FINAL	DUPLEX	6	AS SHOWN	WHITE
2ND FLOOR - FINAL	LK	1	AS SHOWN	
8		8		
37		37		



1 Electrical Plan

SCALE: 3/8" = 1'-0"



Issue Date
12/31/18

Revisions

No.	Rev.	Description

Scale (s)
1:1, 3, 3/8" = 1'-0", 1:0.8, 1' = 1'-0"

411-A Blackhawk Lane
Stratford, Ct. 06418

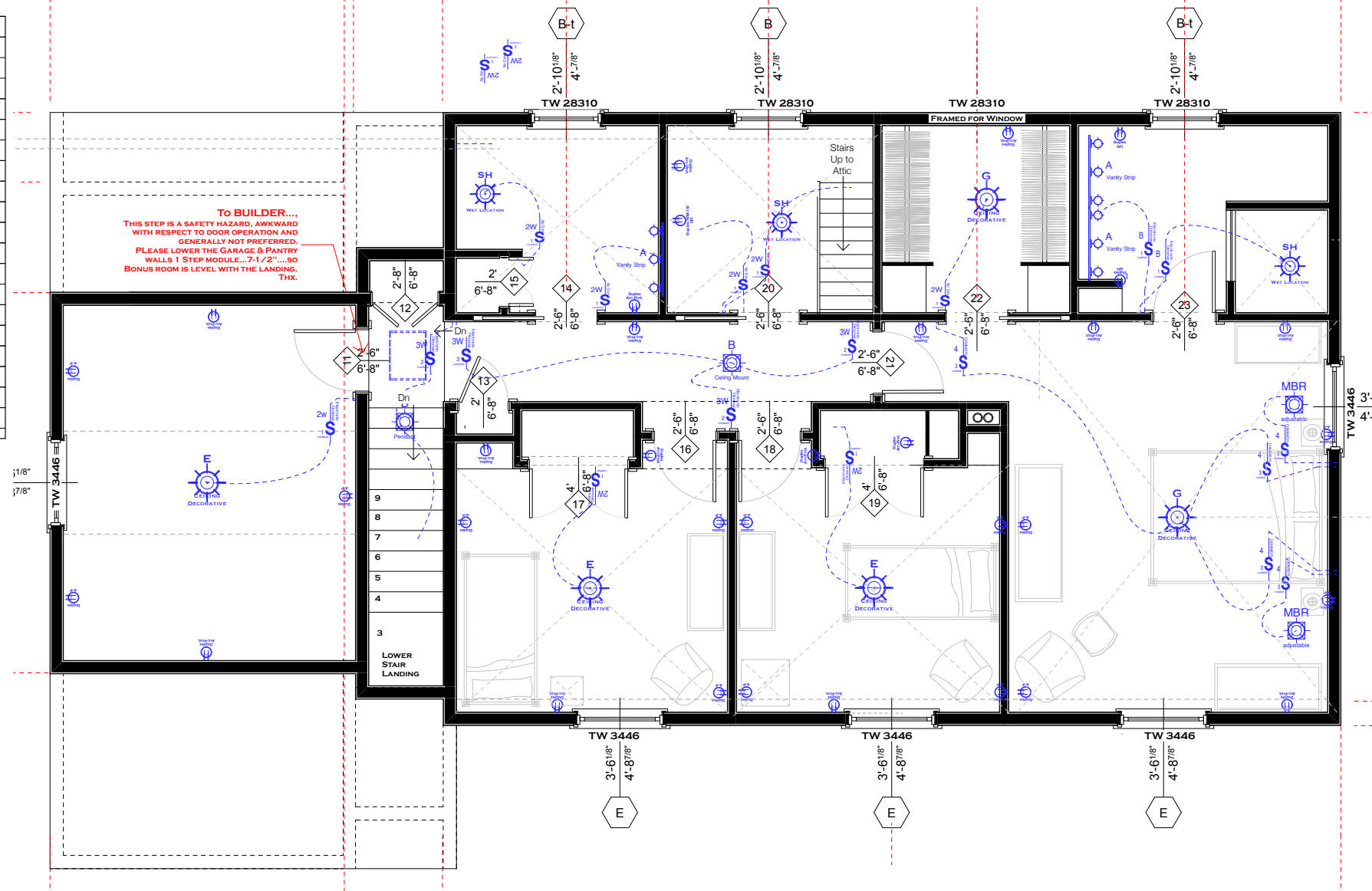
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17 Fields Road
Portsmouth, NH
Byron & Sophie Matto and Family

ELECTRICAL & LIGHTING SCHEDULE

FLOOR	TYPE	QTY	DESCRIPTION	LOCATION	INSTALLATION
1ST FLO...	R	1	RECESSED LIGHT - ...	STAIR LANDING 1-B	RECESSED
1ST FLO...	V-1	1	RECESSED LIGHT - ...	KITCHEN COUNTER	RECESSED
34					
2ND FLO...	A	1	CEILING LIGHT - SM...	LEGEND
2ND FLO...	A	1	RECESSED LIGHT - ...	LEGEND
2ND FLO...	B	1	RECESSED LIGHT - ...	HALL @ LINEN CLOSET	RECESSED
2ND FLO...	B	1	RECESSED LIGHT - ...	HALL @ LINEN CLOSET	RECESSED
2ND FLO...	E	1	CEILING LIGHT - SM...	AURORA'S CENTER	CEILING SURFACE
2ND FLO...	E	1	CEILING LIGHT - SM...	ETHANS CENTER	CEILING SURFACE
2ND FLO...	E	1	CEILING LIGHT - SM...	ETHANS CENTER	CEILING SURFACE
2ND FLO...	G	1	CEILING LIGHT - SM...	MBR CLOSET	CEILING SURFACE
2ND FLO...	G	1	CEILING LIGHT - SM...	MBR OVER BED	CEILING SURFACE
2ND FLO...	MBR	1	RECESSED LIGHT - ...	LIVING RM	RECESSED
2ND FLO...	MBR	1	RECESSED LIGHT - ...	LIVING RM	RECESSED
2ND FLO...	OB...	1	VANITY STRIP - SMA...	KID'S BATHRM	WALL OVER MIRROR
2ND FLO...	OB...	1	VANITY STRIP - SMA...	LEGEND
2ND FLO...	OB...	1	VANITY STRIP - SMA...	MASTER BATHRM	WALL OVER MIRROR
2ND FLO...	OB...	1	VANITY STRIP - SMA...	MASTER BATHRM	WALL OVER MIRROR
2ND FLO...	SH	1	CEILING LIGHT - SM...	MASTER BATHRM	CEILING SURFACE
2ND FLO...	SH	1	CEILING LIGHT - SM...	MASTER BATHRM	CEILING SURFACE

OUTLETS SCHEDULE

FLOOR	TYPE	DESCRIPTION	QTY	INSTALLATION	COLOR
2ND FLOOR	- FINAL	DUPLES-WM-110	1	LAUNDRY	WHITE
2ND FLOOR	- FINAL	DUPLEX	6	AS SHOWN	WHITE
2ND FLOOR	- FINAL	LK	1	AS SHOWN	
8			8		
37			37		



1 2nd Floor Electrical & Lighting Plan
 SCALE: 3/8" = 1'-0"



Issue Date

12/31/18

Revisions

Electrical Plan - 2nd Floor

Scale (s)

3/8" = 1'-0",
 1:1.3, 1:0.8

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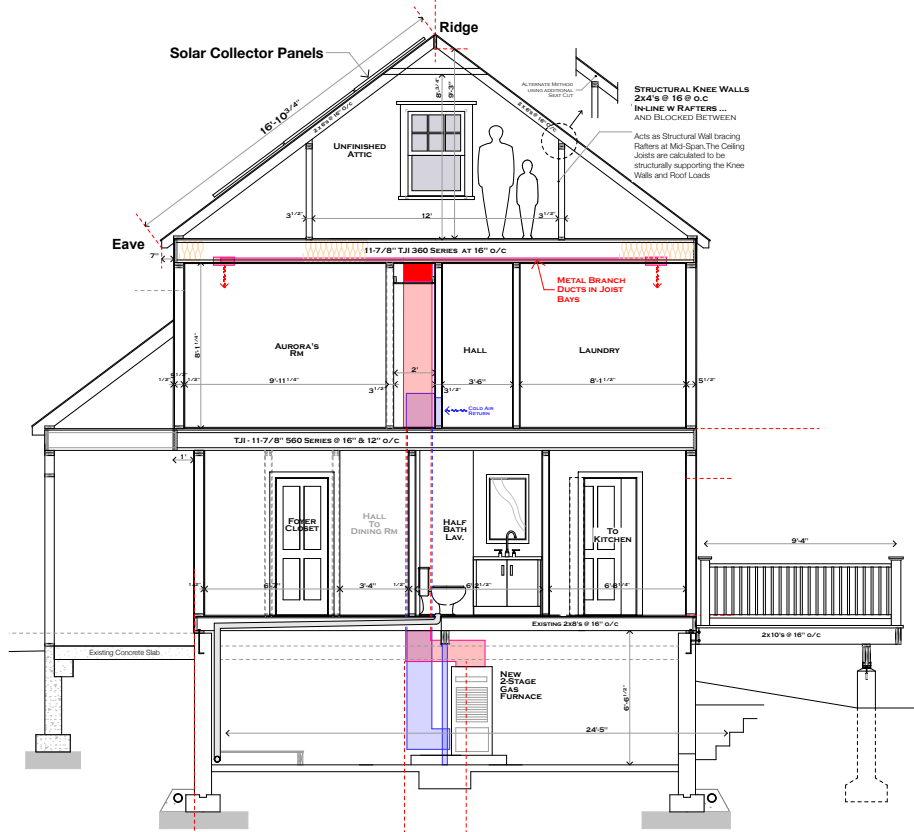
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 Portsmouth, NH

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E-02



2 Section B - Looking South
SCALE: 1:49.9

HVAC DESIGN MODULE - Duct Sizing

September 7, 2018

Byron & Sophie Matto House

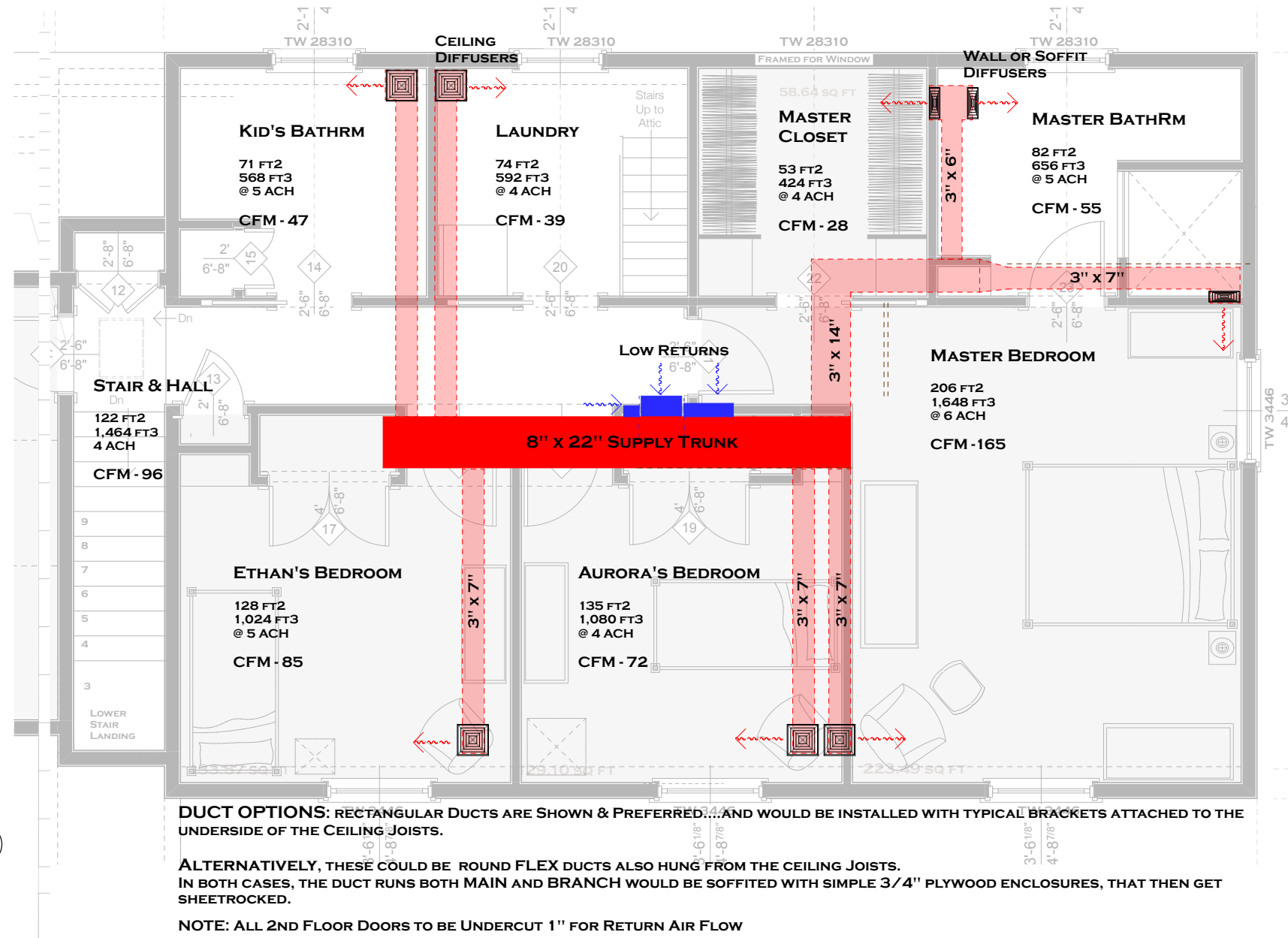
Assumptions: Windows at least R-3 and Tight
House either foamed or 2x6 with High Density FG batts & properly installed House Wrap
Basement walls insulated OR Ceiling Joists of Basement OR

ACH - Air Changes per Hour based on standard well insulated house.
Friction Loss in Ducts = 1 CFM per 100ft of duct
Duct Velocity - Main Supply 1,000 FPM
Duct Velocity - Main Return 1,000 FPM
Duct Velocity - Branch Supply 600 FPM

2nd Floor

Room/Space	Area	Height	Volume	ACH	Total	CFM Req.	Duct Sizes Inches				
							Rnd.		Rect.		
							Diam.	Cross Sectional Area	# of Branch Ducts	Ht.	Width
Ethan's Bedroom	128	8	1,024	5	5,120	85	5.5	23.8	1	3.0	8
Aurora's Bedroom	135	8	1,080	4	4,320	72	5.3	22.1	1	3.0	7
Master Bedroom	206	8	1,648	6	9,888	165	7.3	41.3	1	3.0	14
							7.3	41.3	2	3.0	7
Master Bathroom	82	8	656	5	3,280	55	4.8	17.7	1	3.0	6
Master Closet	53	8	424	4	1,696	28	4.0	12.6	1	3.0	4
Laundry	74	8	592	4	2,368	39	4.0	12.6	1	3.0	4
Kid's Bathroom	71	8	568	5	2,840	47	4.0	12.6	1	3.0	4
Stairs & Hall	122	12	1,464	4	5,856	98	6.0	28.3	1	3.0	9
2nd Floor - Trunk Line								170.8		8.0	21.35

1.1 2nd Floor Ductwork - Trace Underlay
SCALE: 1:25.7

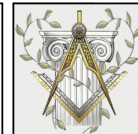


DUCT OPTIONS: RECTANGULAR DUCTS ARE SHOWN & PREFERRED... AND WOULD BE INSTALLED WITH TYPICAL BRACKETS ATTACHED TO THE UNDERSIDE OF THE CEILING JOISTS.

ALTERNATIVELY, THESE COULD BE ROUND FLEX DUCTS ALSO HUNG FROM THE CEILING JOISTS. IN BOTH CASES, THE DUCT RUNS BOTH MAIN AND BRANCH WOULD BE SOFFITED WITH SIMPLE 3/4" PLYWOOD ENCLOSURES, THAT THEN GET SHEETROCKED.

NOTE: ALL 2ND FLOOR DOORS TO BE UNDERCUT 1" FOR RETURN AIR FLOW

1 2nd Floor Ductwork
SCALE: 1:25.7



Issue Date

12/31/18

Revisions

HVAC - 2nd Floor Ceiling

Scale (s)

1:25.7, 1:49.9, 1:32.5

414 A Blackhawk Lane
Stratford, Ct. 06614

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17 Fields Road
Portsmouth, NH

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Issue Date

12/31/18

Revisions

Elevations - Shingles vs Clapboard

Scale (s)

1:36

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Page

SK-01



1 Clapboard, Vinyl or other Harsh Horizontal Siding
SCALE: 1:36



2 Shingle - Warm & Fuzzy Style
SCALE: 1:36



Issue Date

12/31/18

Revisions

Revisions

HVAC - 1st Floor

Scale (s)

414A Bluehawk Lane
Stratford, Ct. 06614

Joseph Matto Architect AIA

17 Fields Road
Portsmouth, NH

Byron & Sophie Matto and Family

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Issue Date
12/31/18

Revisions	

Rafter Framing & Eaves Detail

Scale (s)

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