COVER SHEET

A. MANUFACTURER INFORMATION:

MAILING ADDRESS:

P.O. BOX 9000

OXFORD, ME 04270

MANUFACTURING PLANT ADDRESS:

ROUTE 121

OXFORD, ME 04270

EXPIRATION DATE OF CURRENT CERTIFICATION:

APRIL 30th 2013

MANUFACTURER STATE CERTIFICATION NUMBER:

MF70000112 NEW HAMPSHIRE: M9308019

VERMONT: CONNECTICUT: RHODE ISLAND:

MAINF:

50171 N/A Y9588

MASSACHUSETTS:

MCS#137

DWO DATE DEV DATE

B. THIRD PARTY INSPECTION AGENCY INFORMATION:

3rd PARTY INSPECTION AGENCY: T.R. ARNOLD & ASSOCIATES, INC. 3rd PARTY INSPECTION AGENCY AUTHORIZATION: I.A. #03 AGENCY AUTHORIZATION EXPIRATION DATE: APRIL 30th 2013

KFISER MODULAR SYSTEMS MANUAL APPROVAL DATE: APRIL 27th 2012

KEISER INDUSTRIES CERTIFIES THAT THIS DOCUMENT CONFORMS WITH THE SYSTEMS APPROVALS AND SPECIFICATIONS APPROVED BY T.R.A. AND IS IN COMPLIANCE WITH THE FOLLOWING STATE CODES: (ME) NH, MA, VT, RI, CT.

C. LOCATIONS OF INFORMATION LABELS:

DATA PLATE: STATE LABEL: ONE PER DWELLING (SEE FLOOR PLAN) ONE PER MODULE (SEE FLOOR PLAN)

(MA, N.H., CT, R.I.)

TRA LABFL:

ONE PER MODULE (SEE FLOOR PLAN)

(ME, VT)

D. INDEX OF INFORMATION:

TOTAL NUMBER OF SHEETS IN EACH SET: 20

_DWG/PG#	DESCRIPTION	DWG. DATE	REV. DATE
1-2	ENERGY CALCULATION	8/3/12	
1-3	DATA SHEET	8/3/12	
1-4	SEALED TRUSS PRINT (U-1032 & U-1033)	8/1/12	
I-4A	SEALED TRUSS PRINT (U-1111)	8/1/12	
1	COVER SHEET	8/3/12	
2	1st FLR PLAN	8/3/12	
2A	2nd FLR PLAN	8/3/12	
3	ELEVATIONS	8/3/12	
4	FOUNDATION PLANS	8/3/12	
5	1st FLR ELECTRICAL PLAN	8/3/12	
5A	2nd FLR ELECTRICAL PLAN	8/3/12	
6	HEAT PLANS	BY OTHERS	
7	CONSTRUCTION DATA & REF. SHEET	8/3/12	
8	CROSS SECTION	8/3/12	
8A	ROOF CROSS SECTION	8/3/12	
8B	OFFSET ROOF CROSS SECTION	8/3/12	
8C	FLOOR FRAMING LAYOUT	8/3/12	
9	1st FLR VENT PLAN	8/3/12	
9A	2nd FLR DRAIN PLAN	8/3/12	
9C	PLUMBING LINE SCHEMATIC	8/3/12	
12	MODULAR FABRICATED STAIR DESIGN	8/3/12	
		i	

E. BUILDING INFORMATION:

BUILDER:

HALLMARK HOMES

BUILDER'S ADDRESS:

PO BOX 113

CITY, STATE, ZIP:

TOPSHAM, MF 04086

SEND PLANS TO:

619 LEWISTON ROAD; ROUTE 196

RHODE ISLAND BUILDER'S LIC. #:

PROJECT LOCATION:

25 LUTHER STREET: LOT 16 . PORTLAND. ME 04108

MODEL DESIGNATION:

22'x28' w/16'x13' CUSTOM COLONIAL

USE GROUP: SINGLE FAMILY CONSTRUCTION CLASSIFICATION: VB

AREA: 1st FLR: 826.583 2nd FLR: 617.75 3rd FLR: N/A

VOLUME OF ENCLOSED SPACE: 11555 CUBIC FEET

HEIGHT ABOVE SILL: 29'-3 1/4" STORIES: 2

DESIGN OCCUPANCY LOAD:

GROUND SNOW

1st FLR: N/A 2nd FLR: N/A 3rd FLR: N/A

SPECIAL SYSTEMS: FIRE ALARM TYPE: SMOKE DETECTORS U.L. 217-77

FIRE SUPPRESSION SYSTEM: N/A

(OTHER): WHEN FLOOR AREA EXCEEDS 1200 S.F.

(2) U.L. 217-77 SMOKE DETECTORS ARE REQ'D. (RHODE ISLAND ONLY)

DESIGN LIVE LOADS: WALLS: 21 826.58800F: 42 PSF 1st FLR: 40 PSF

2nd FLR: 30 PSF (CAPE / COLONIAL) N/A (RANCH)

3rd FLR: N/A CORRIDORS: N/A INTERIOR WALLS: 5 PSF MAINE STAIRS: 30 PSF (CAPE / COLONIAL) N/A (RANCH) Pg= 60 PSF

WIND HORIZONTAL: 90 MPH

EXPOSURE RATING: B UNLESS OTHERWISE SPECIFIED BY

ON-SITE BUILDER

GLAZING D.P. RATING: DP 40

SEISMIC HAZARD EXPOSURE: CATEGORY "C"

SPECIAL USE PROVISIONS: NOT TO BE BUILT WITHIN FIRE UNIT LIMITS

MUST BE LOCATED 6' FROM LOT LINE

F. HEATING SYSTEM INFORMATION:

SYSTEM TYPE: ELECTRIC RESISTANCE BASE BOARD & SPLIT-LOOP DUCTLESS ELECTRIC HEAT PUMPS & A/C UNITS -- ON-SITE BY OTHERS

DESIGN TEMPRATURE DIFFRENCE: -20 OUTSIDE 72 INSIDE 92 TOTAL D.T.D.

FUEL: ELECTRIC, NATURAL, LPG, OIL

CHIMNEY/VENTING SYSTEM TYPE: OTHER THAN ELECTRIC HEAT-MASONRY

CHIMNEY BY BUILDER PER STATE & LOCAL

BUILDING CODE OR AN APPROVED FOUAL.

BASEMENT:

IF HOT WATER BOILER AND/OR WATER HEATER ARE INSTALLED IN BASEMENT. THEN EITHER BASEMENT FOUNDATION WALLS MUST BE INSTALLED PER STATE & LOCAL BUILDING CODE, OR THE BELOW THE FLOOR WATER LINES MUST BE INSULATED PER STATE & LOCAL BUILDING CODE.

G. EXTERIOR ENVELOPE THERMA		
ELEMENT	CODE REQUIREMENT R-VALUE/U-VALUE	ACTUALS R-VALUE/U-VALUE
EXT. WALL	R-19/.05	R-40/.025
FLOOR OVER UNCODITIONED BASEMENT OR EXTERIOR	R-19/.05	N/A
FLAT CEILING w/NO DECKING BEHIND K-WALL	R-38/.026	R-60/.0167
FLAT CEILING UNDER DECK IF UNFINISHED ABOVE	R-30/.033	N/A
VAULT CEILING AND SLOPE RAKES	R-38/.026	N/A
ENTRY DOORS	R-2.86/.35	R-6.67/.15
SPECIALTY DOORS	R-2.22/.45	R-3.7/.27
WINDOWS	R-2.86/.35	R-3.57/.28
SKYLIGHT	R-1.67/.6	N/A
FOUNDATIONS	R-10/.10	R-10/.10
H ATTIC VENTILATION:		

H. ATTIC VENTILATION:

REQUIRED: (1) SQ. FT. PER (300) SQ. FT. OF CEILING AREA.

865.83 SQ. FT. CEILING AREA

SQ. FT. VENTILATION REQUIRED

SQ. FT. PROVIDED AT EAVES. (6.2 SQ IN. PER LIN. FT.)

SQ. FT. PROVIDED AT GABLE ENDS (54 SQ. IN. PER END)

5.14 SQ. FT. PROVIVED AT RIDGE. (18 SQ. IN. PER LIN. FT.) TOTAL: 8.62 SQ. FT. PROVIDED

H-1. BASEMENT/CRAWL SPACE VENTILATION:

REQUIRED: (1) SQ. FT. PER (1500) SQ. FT. OF FLOOR AREA.

TOTAL MINIMUM: 0.55 SQ. FT. VENTILATION REQUIRED BY OTHERS

I. APPLICABLE CODES:

2003 INTERNATIONAL RESIDENTIAL CODE W/STATE AMENDMENTS

2003 INTERNATIONAL PLUMBING CODE

2008 NFPA-70 NATIONAL ELECTRICAL CODE

2001 NFPA-31 INSTALLATION OF OIL BURNING EQUIPMENT

2003 NFPA-101 LIFE SAFETY CODE w/STATE AMENDMENTS

2005 MAINE ENERGY CODE

2009 INTERNATIONAL ENERGY CONSERVATION CODE

2002 NFPA-54 NATIONAL FUEL GAS CODE

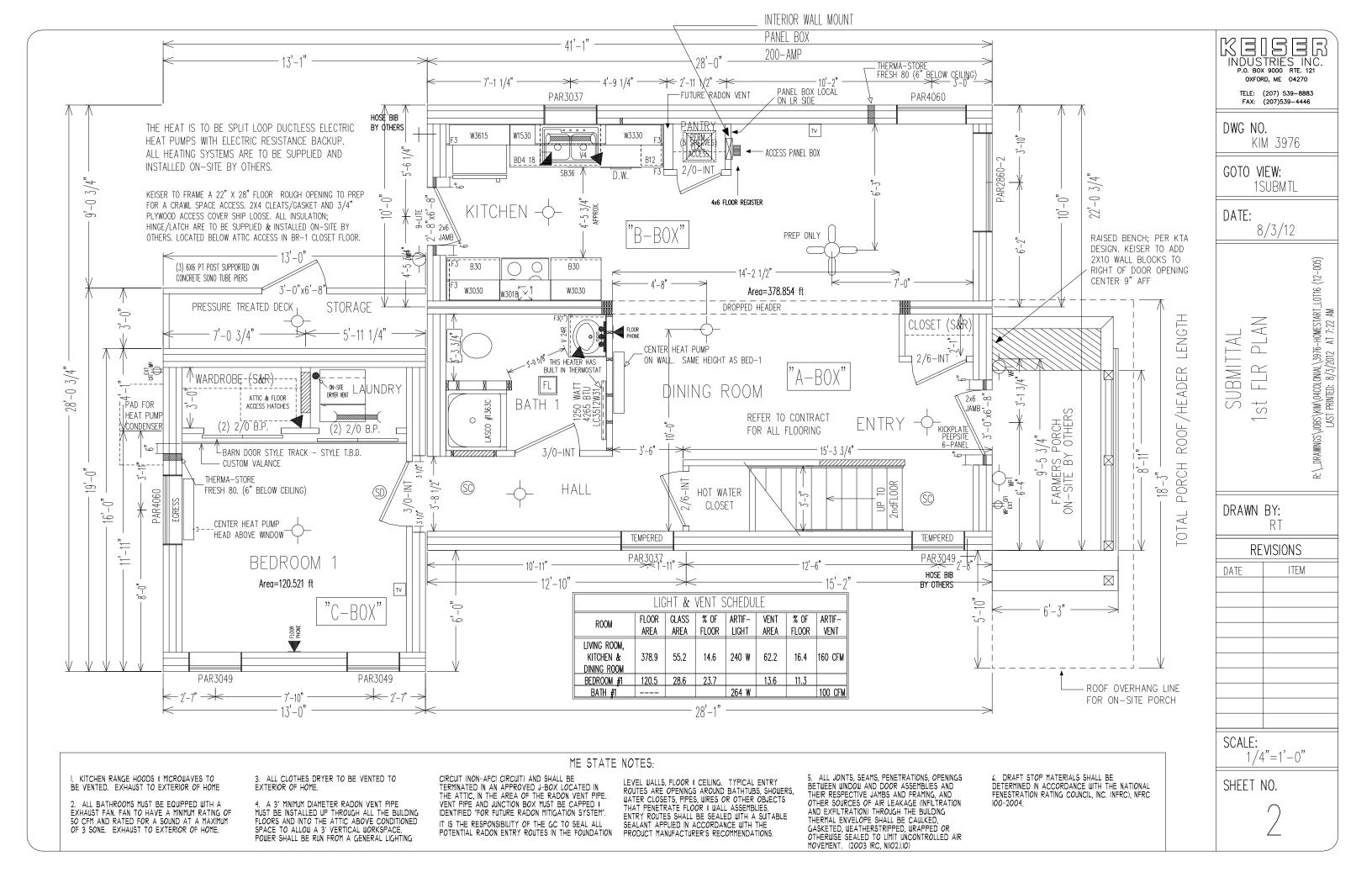
2001 NFPA-58 NATIONAL LP GAS CODE

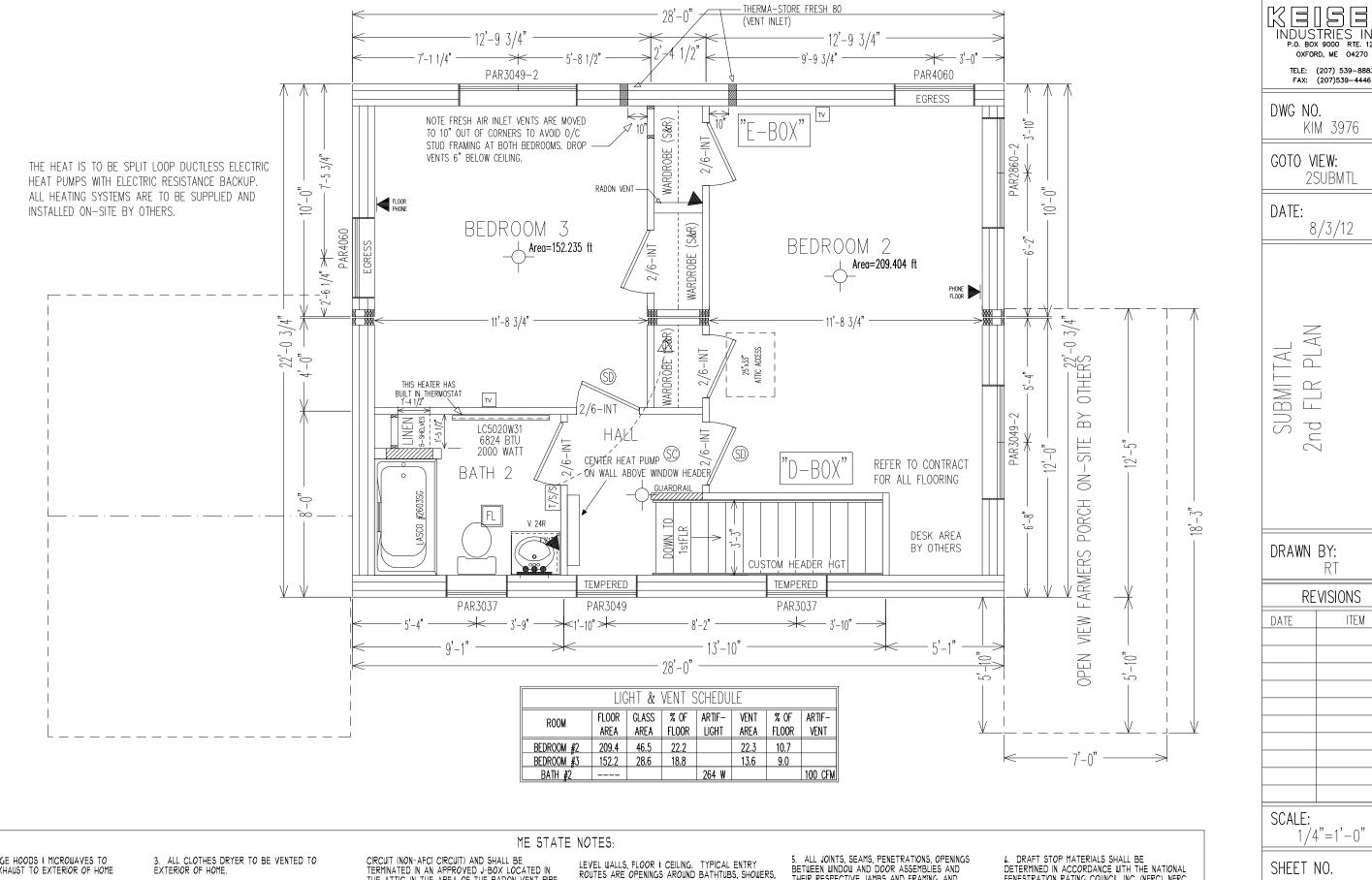
MMHB RULES FOR RADON MITIGATION

P.O. BOX 9000 RTF. 121 OXFORD, ME 04270 TEL: (207) 539–8883 FAX: (207) 539-4446 DWG NO.: KIM 3976 LAYER NAME: COVFR STYLE: 22'x28' w/16'x13' CUSTOM COLONIAL DFALFR. HALLMARK CUSTOMER: HOMESTART - LOT16 DATE: 8/3/12 DRAWN BY: CHECKED BY: CODES: 2003 IRC 1&2 FAMILY DWELLING REVISIONS ITFM DATF SCALE:

NOT TO SCALE

SHFFT NO.





I. KITCHEN RANGE HOODS & MICROWAVES TO BE VENTED. EXHAUST TO EXTERIOR OF HOME

2. ALL BATHROOMS MUST BE EQUIPPED WITH A EXHAUST FAN. FAN TO HAVE A MINIMUM RATING OF 50 CFM AND RATED FOR A SOUND AT A MAXIMUM OF 3 SONE. EXHAUST TO EXTERIOR OF HOME.

4. A 3" MINIMUM DIAMETER RADON VENT PIPE MUST BE INSTALLED UP THROUGH ALL THE BUILDING FLOORS AND INTO THE ATTIC ABOVE CONDITIONED SPACE TO ALLOW A 3' VERTICAL WORKSPACE. POWER SHALL BE RUN FROM A GENERAL LIGHTING

THE ATTIC. IN THE AREA OF THE RADON VENT PIPE. VENT PIPE AND JUNCTION BOX MUST BE CAPPED \$ IDENTIFIED "FOR FUTURE RADON MITIGATION SYSTEM" IT IS THE RESPONSIBILITY OF THE GC TO SEAL ALL POTENTIAL RADON ENTRY ROUTES IN THE FOUNDATION

LEYEL WALLS, FLOOR t CEILING. TYPICAL ENTRY ROUTES ARE OPENINGS AROUND BATHTUBS, SHOWERS, WATER CLOSETS, PIPES, WIRES OR OTHER OBJECTS THAT PENETRATE FLOOR & WALL ASSEMBLIES. ENTRY ROUTES SHALL BE SEALED WITH A SUITABLE SEALANT APPLIED IN ACCORDANCE WITH THE PRODUCT MANUFACTURER'S RECOMMENDATIONS.

THEIR RESPECTIVE JAMBS AND FRAMING, AND OTHER SOURCES OF AIR LEAKAGE (INFILTRATION AND EXFILTRATION) THROUGH THE BUILDING THERMAL ENVELOPE SHALL BE CAULKED. GASKETED. WEATHERSTRIPPED. WRAPPED OR OTHERWISE SEALED TO LIMIT UNCONTROLLED AIR MOVEMENT. (2003 IRC, NIIO2.I.IO)

FENESTRATION RATING COUNCIL, INC. (NFRC), NFRC

KEISER INDUSTRIES INC. P.O. BOX 9000 RTE. 121 OXFORD, ME 04270

TELE: (207) 539-8883

KIM 3976

2SUBMTL

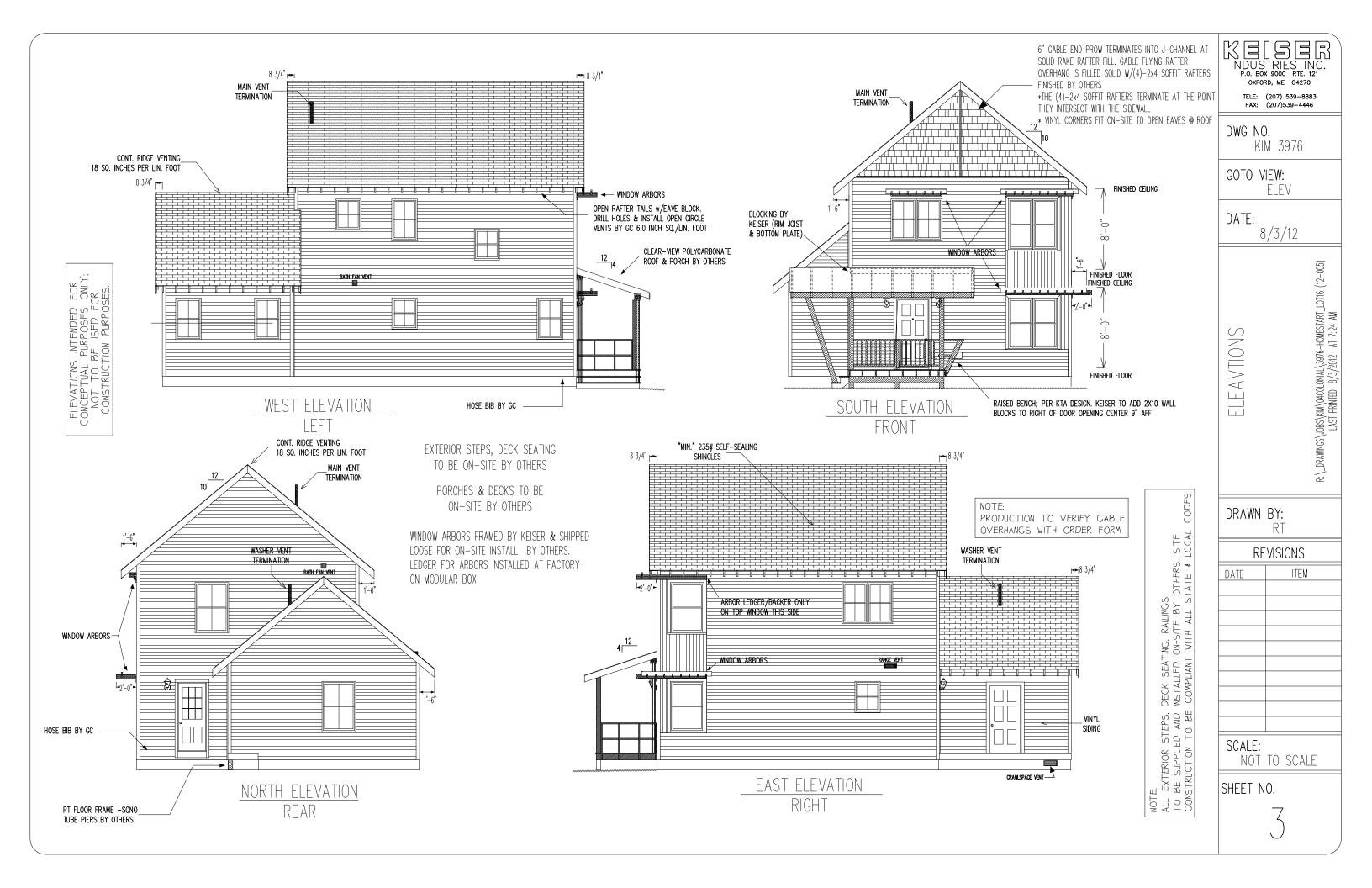
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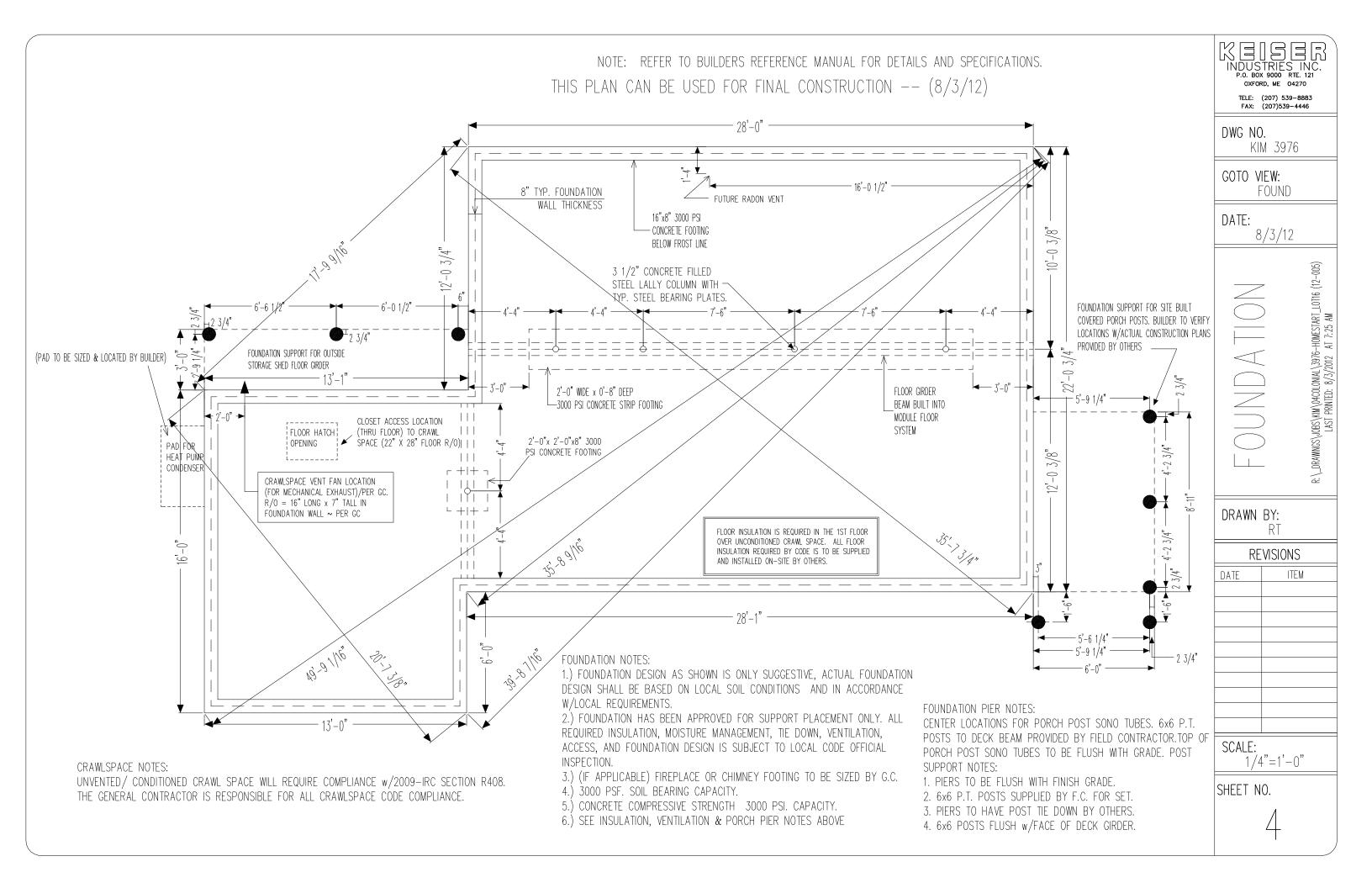
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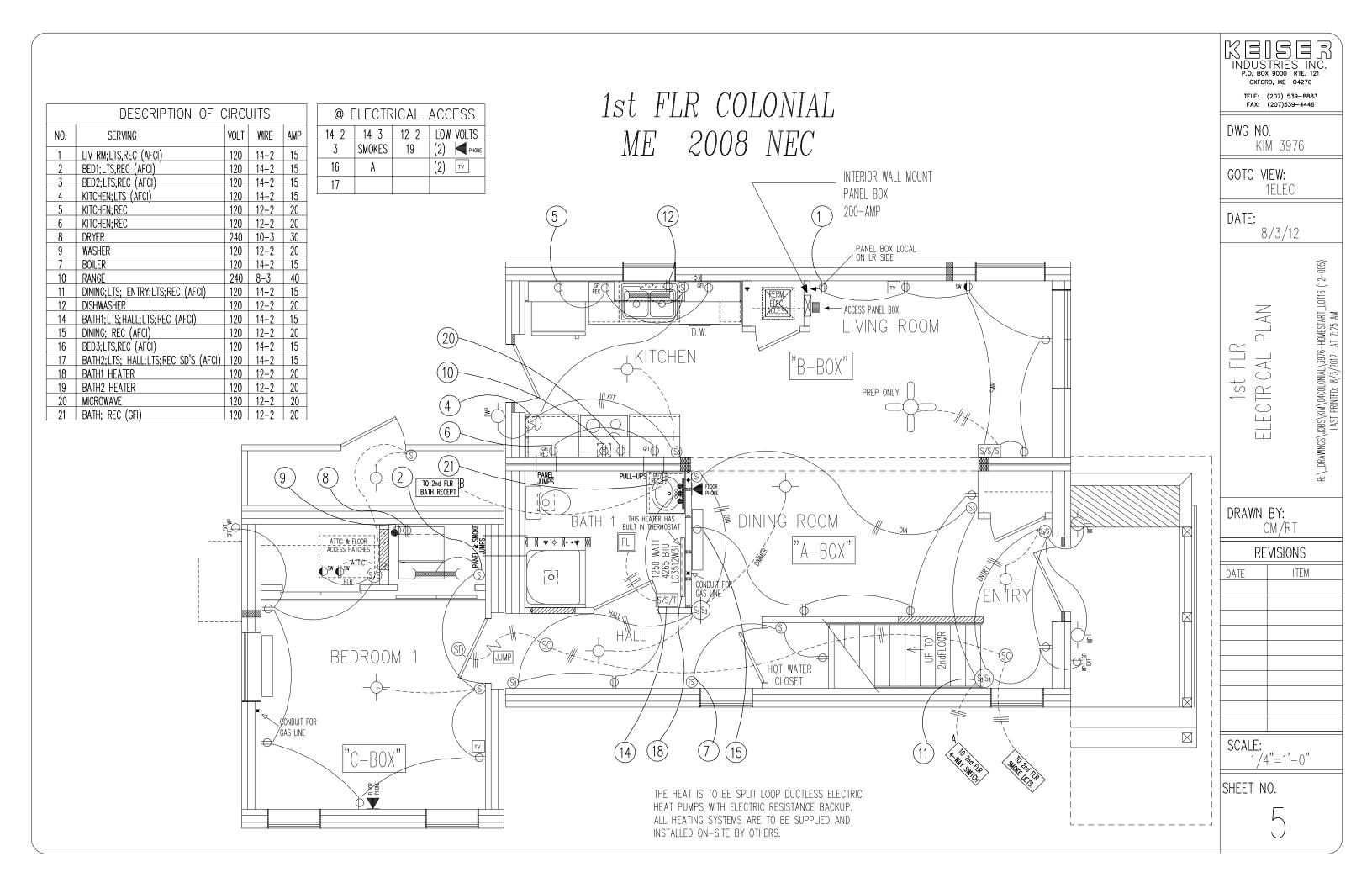
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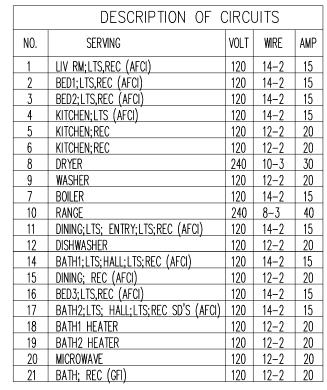
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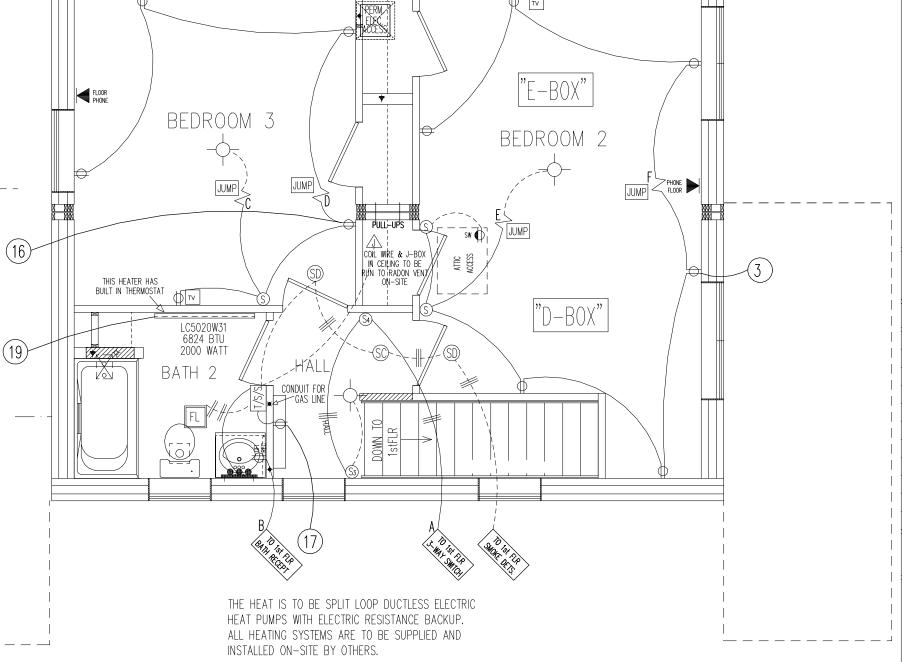


@ E	ELECTR	RICAL	ACC	ESS
14-2	14-3	12-2	LOW	VOLTS
3	SMOKES	19	(2)	PHON
16	A	В	(2)	TV
17				

2nd FLR COLONIAL ME 2008 NEC

LOCATION OF ELEC

ACCESS PANEL IS IN THE "A-BOX" CLG.



TV

KEISE XBISBR INDUSTRIES INC. P.O. BOX 9000 RTE. 121 OXFORD, ME 04270 TELE: (207) 539-8883

FAX: (207)539-4446

DWG NO. KIM 3976

GOTO VIEW: 2ELEC

DATE: 8/3/12

> PLAN ELECTRICAL

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REVISIONS ITEM DATE

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

SHEET NO.

FEEDER & NEUTRAL LOAD

LIGHTING AND SMALL APPLIANCE HOT WATER BASEBOARD

1.) LIGHTING: TOTAL FLOOR AREA = 1444.333 X 3=43332.999VA

2.) SMALL APPLIANCE: 5 CIRCUITS X 1500= 7500 VA

3.) LAUNDRY: 1 CIRCUIT X 1500= 1500VA

1st 3000VA @ 100% = 3000 VA REMAINDER @ 35% = 3616.5 VA TOTAL = 6616.5 VA

	LINE A	NEUTRAL	LINE B
LIGHTING AND SMALL APPLIANCE: $VA \div 240 = AMPERES =$	27.6	27.6	27.6
HEATING AND COOLING	7.1	7.1	0
1) FURNACE BLOWER	0	0	0
2) HEATING ELEMENT	0	0	0
3) AIR CONDITIONER	0	0	0
LARGEST FAN(S) — ADD 25% APPLIANCE LOADING	0	2.4	2.4
1) EXHAUST FAN 1.6 1.6 0 2) WATER HEATER 18.8 0 18.8 3) DISHWASHER 9.0 9.0 0 4) DISPOSAL 0 5.0 5.0 4) MICROWAVE 0 6.0 6.0			
TOTAL APPLIANCE - AMP X .75 WITH APPLIANCES CLOTHING DRYER	<u>22.1</u> 23.3	<u>16.2</u> 16.3	22.4
RANGE	33.3	23.3	33.3

SERVICE CONDUTOR AMPACITY

USING 200 AMP SERVICE

113.3 92.9 108.9

	PARADIGM WINDOW SCHEDULE						
WINDOW CALL SIZE	UNIT SIZE	ROUGH OPENING	TYPE	LIGHT FT2	VENT FT.2	SQ. FT.	
3037	29 1/2" x 36 1/2"	30 1/2" x 37 1/2"	SINGLE HUNG	5.61	2.59	7.71	
3049	29 1/2" x 48 1/2"	30 1/2" x 49 1/2"	SINGLE HUNG	7.56	3.59	10.21	
2860	27 1/2" x 59 1/2"	28 1/2" x 60 1/2"	SINGLE HUNG	8.94	4.33	11.67	
* 4060	39 1/2" x 59 1/2"	40 1/2" x 60 1/2"	SINGLE HUNG	13.48	6.47	16.67	

NOTE: SAFETY GLAZING TO BE PROVIDED FOR WINDOWS IN HAZARDOUS LOCATIONS

NOTE: WINDOWS ARE NFRC RATED

NOTE: 2-WIDE DH COMBINE (2) 1-WIDE AND SUBTRACT 1/2" FROM R/O WIDTH

*MEETS EGRESS REQUIREMENTS

	DESCRIPTION OF CIRCUITS					
NO.	SERVING	VOLT	WIRE	AMP		
1	LIV RM;LTS,REC (AFCI)	120	14-2	15		
2	BED1;LTS,REC (AFCI)	120	14-2	15		
3	BED2;LTS,REC (AFCI)	120	14-2	15		
4	KITCHEN; LTS (AFCI)	120	14-2	15		
5	KITCHEN; REC	120	12-2	20		
6	KITCHEN; REC	120	12-2	20_		
8	DRYER	240	10-3	30		
9	WASHER	120	12-2	20_		
7	BOILER	120	14-2	15		
10	RANGE	240	8-3	40		
11	DINING; LTS; ENTRY; LTS; REC (AFCI)	120	14-2	15		
12	DISHWASHER	120	12-2	20		
14	BATH1;LTS;HALL;LTS;REC (AFCI)	120	14-2	15		
15	DINING; REC (AFCI)	120	12-2	20		
16	BED3;LTS,REC (AFCI)	120	14-2	15		
17	BATH2;LTS; HALL;LTS;REC SD'S (AFCI)	120	14-2	15		
18	BATH1 HEATER	120	12-2	20_		
19	BATH2 HEATER	120	12-2	20_		
20	MICROWAVE	120	12-2	20		
21	BATH; REC (GFI)	120	12-2	20		

LIGHT & VENT SCHEDULE							
ROOM	FL00R	GLASS	% OF	ARTIF-	VENT	% OF	ARTIF-
ROOM	AREA	AREA	FL00R	LIGHT	AREA	FL00R	VENT
LIVING ROOM,							
KITCHEN &	378.9	55.2	14.6	240 W	62.2	16.4	160 CFM
DINING ROOM							
BEDROOM #1	120.5	28.6	23.7		13.6	11.3	
BEDROOM #2	209.4	46.5	22.2		22.3	10.7	
BEDROOM #3	152.2	28.6	18.8		13.6	9.0	
BATH #1				264 W			100 CFM
BATH #2				264 W			100 CFM

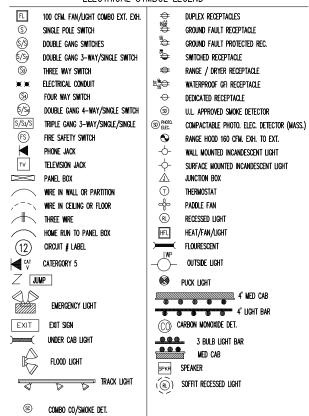
LIQUE A VENT COUEDINE

STANDARD -EXTERIOR (INSWING) DOOR SCHEDULE								
DOOR CALL SIZE	WIDTH	HEIGHT	ROUG	H OPENING	MAT	ERIAL	MANUFACTURER	TYPE
3068 6-PANEL	3'-0"	6'-8"	38 1,	/2" X 82 1/2	2" INSUL.	CORE	MASONITE	EXT HINGED
2868 9-LITE	2'-8"	6'-8"	34 1	/2" X 82 1/:	2" INSUL.	CORE	MASONITE	EXT HINGED
STANDARD-INTERIOR DOOR SCHEDULE NOTE:								
DOOR CALL SIZE	WIDTH	HEIGHT	ROUG	1 OPENING	TYPE		RIOR DOOR THICKNESS	
^{2 3} 2/6-INT	2'-6"	6'-8"	2'-8 1/2	2° X 6′-10 1/2°	PASSAGE	INTER	HOR DOOR THICKNESS	= 1 3/8"
^{2 3} 3/0-INT	3'-0"	6'-8"	3-21/	Z X 6-10 1/2	PASSAGE			
² 2/0-BP	2'-0"	6'-8"	2-11/	f X 6-11 1/4"	NT- BY-PASS			

²Offered as a 6-panel door ³Offered as a 15-lite door ALL INTERIOR DOORS MAY ALSO BE USED AS DOUBLE FRENCH STYLE

ALL INTERIOR DOORS AVAILABLE IN HOLLOW CORE MASONITE, SOLID CORE MASONITE, AND SOLID PINE

ELECTRICAL SYMBOL LEGEND



BUILDER REFERANCE MANUAL PAGE INFORMATION

	SECTION 6	<u>PAGE</u>
A.	FOUNDATION-	25-27
В.	RANCH-	28-30
C.	RAISED RANCH-	31-34
D.	CAPE (AND DORMERS)-	35-41
E.	GAMBREL (AND DORMERS)-	42-46
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G.	EXPANDABLE COLONIAL-	51-54
Н.	4-BOX COLONIAL-	51-54
١.	OPTIONAL ROOF PITCHES-	55-59
J.	ELECTRICAL-	60-63
K.	PLUMBING-	64-71

FLOOR PLAN SYMBOL LEGEND

C.C. - CHINEY CHASE LOCATION. 2" MIN. CLEARANCE TO COMBUSTIBLES FOR CHIMNEY. FIRE STOPPING MUST BE INSTALLED ON—SITE BY OTHERS SUBJECT TO LOCAL CODE OFFICAL, HAVING JURISDICTION, INSPECTIONS.

C.- CLOSET WITH SHELF AND ROD

L. – LINEN CLOSET WITH (3) SHELVES

S.W. - STAIRWELL

W.C. - WATER CLOSET - DEMAND LIMIT MAX. 1.6 GALLONS PER FLUSH (MASS.)

(SD) - SMOKE DETECTOR LOCATION

◆ - STATE AND TRA INSIGNIA LOCATIONS

■ - DATA PLATE LOCATION

·	RTE. 121
TELE: (207) 53 FAX: (207)539	9-8883
DWG NO. KIM 39	76
GOTO VIEW: DATA	
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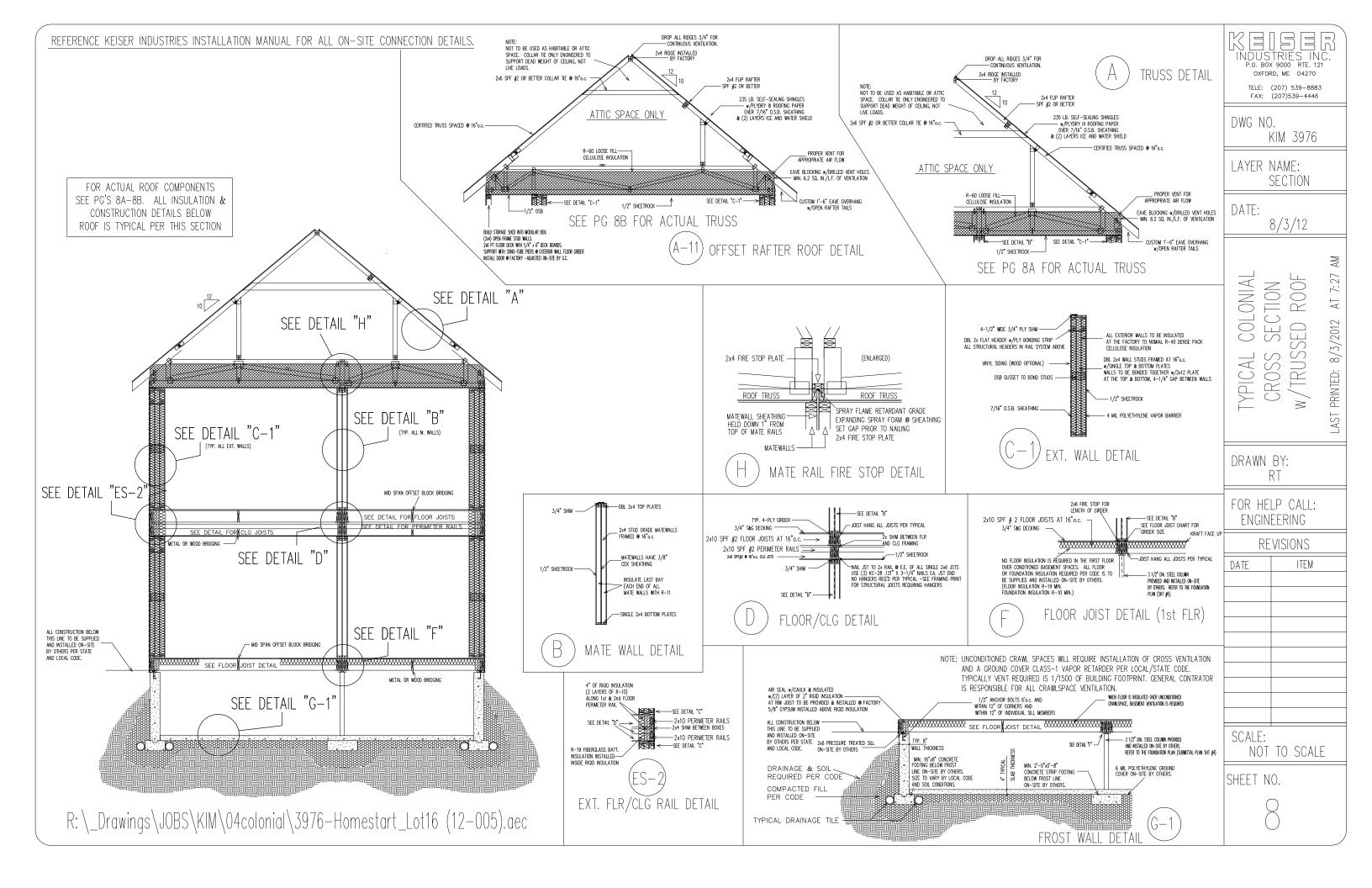
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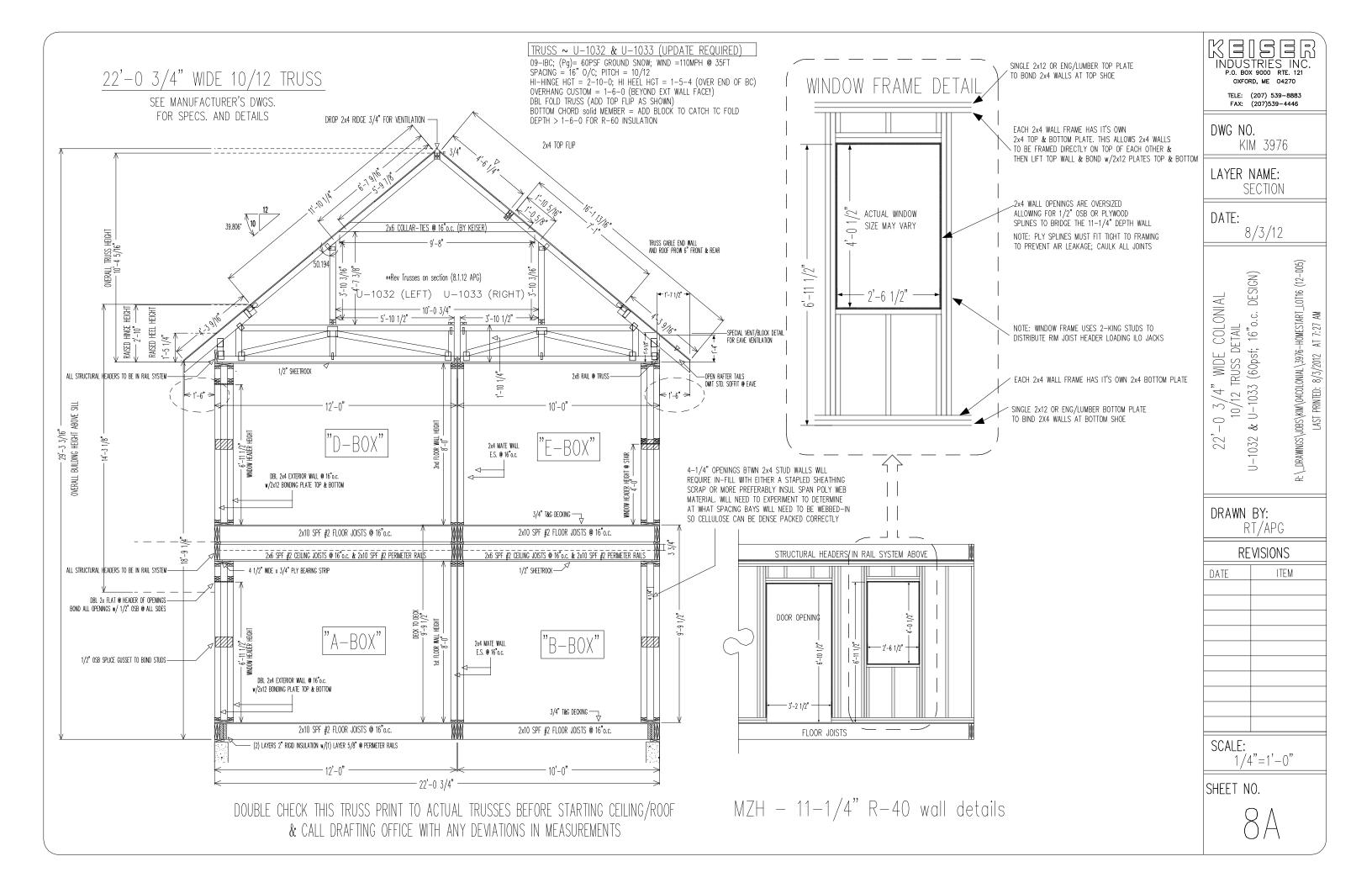
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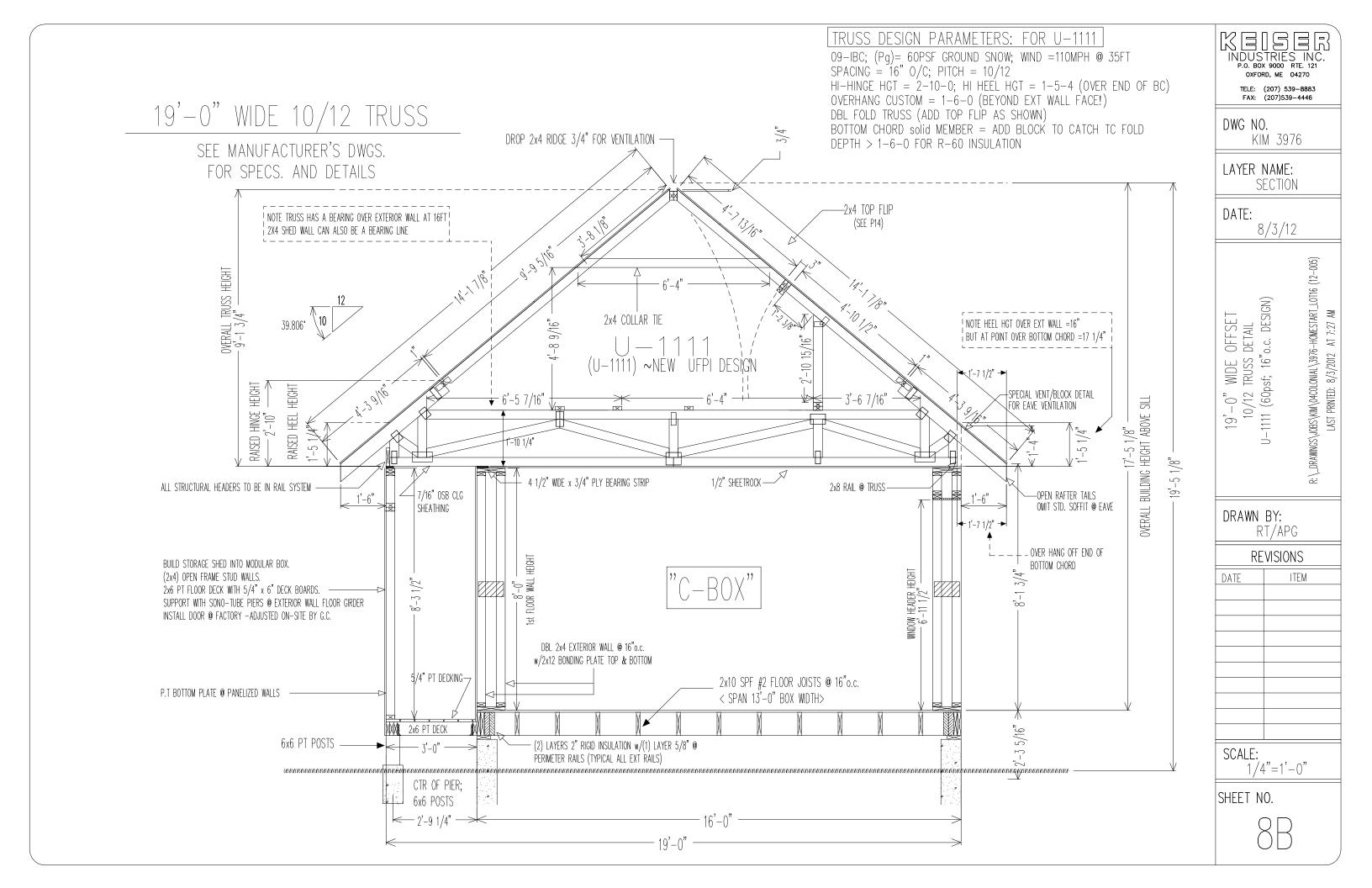
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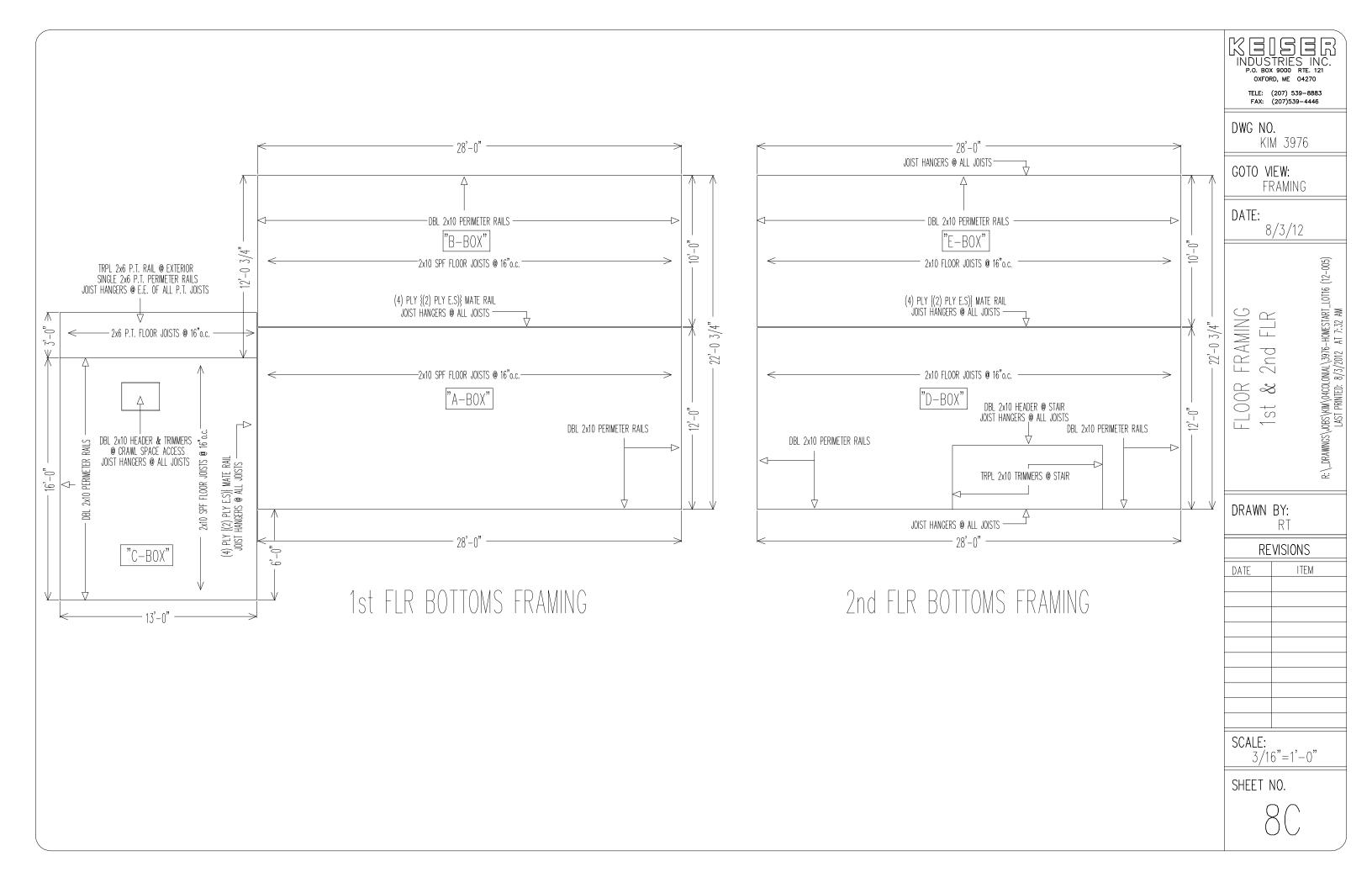
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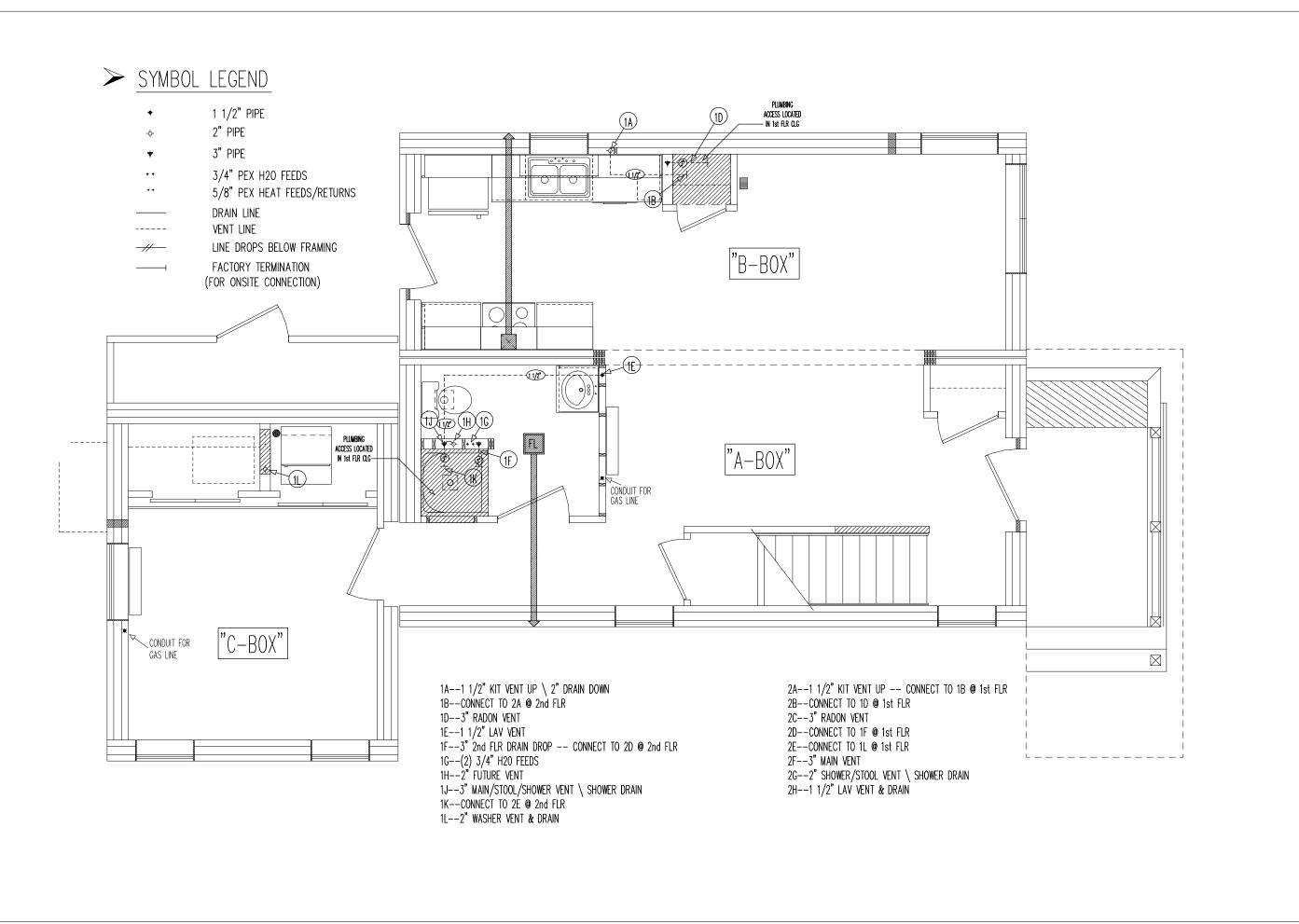
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INDUSTRIES INC.
P.O. BOX 9000 RTE. 121
OXFORD, ME 04270

TELE: (207) 539-8883 FAX: (207)539-4446

DWG NO. KIM 3976

GOTO VIEW: 1VENT

DATE: 8/3/12

PLUMBING 1st FLR VENT PLAN R:_DRAWNGS\JOBS\KIN\04C0LONIAL\3976-HOMESTART_LOT16 (12-005) LAST PRINTED: 8/3/2012 AT 7:29 AM

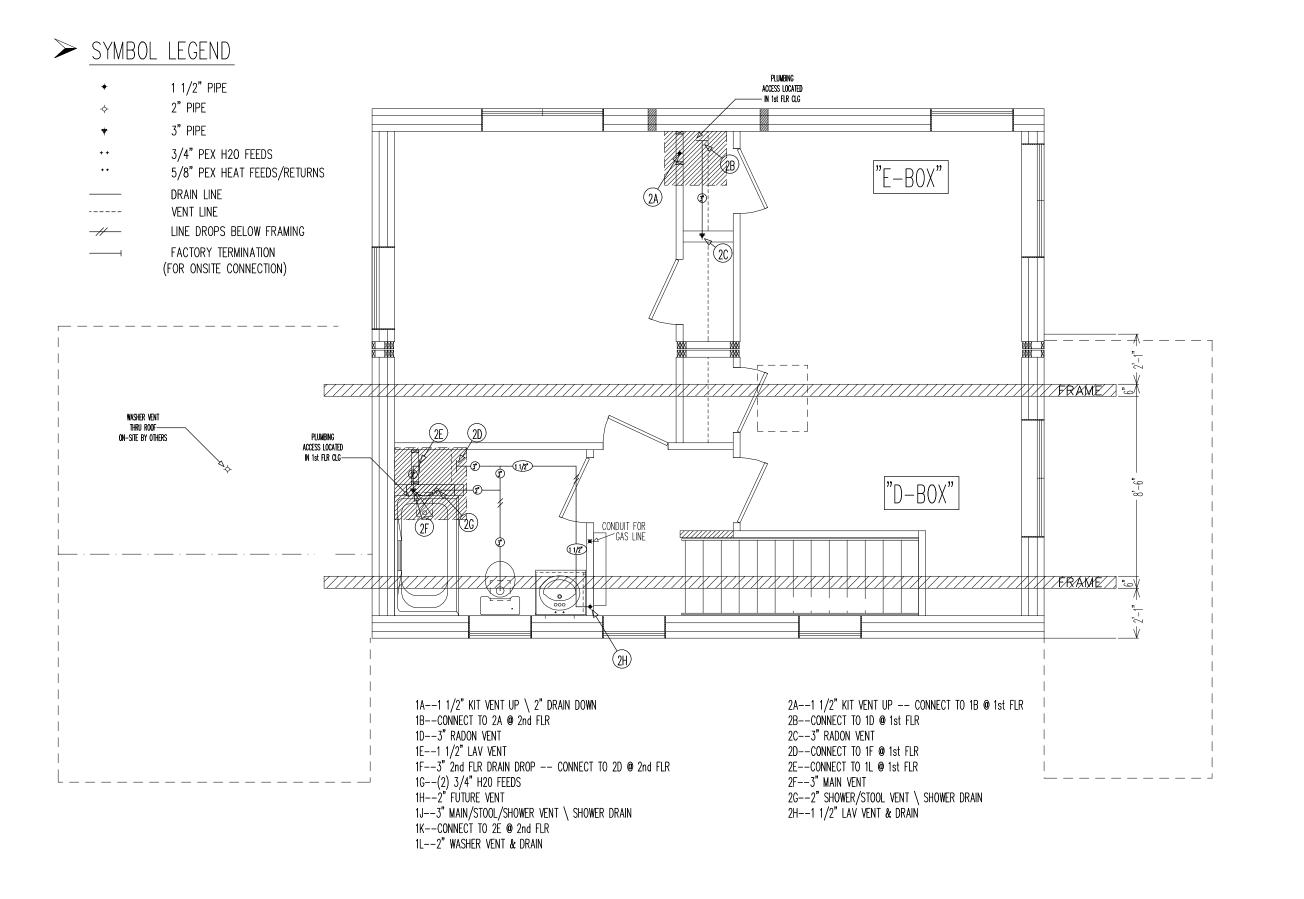
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1/4"=1'-0"

SHEET NO.

9



INDUSTRIES INC.
P.O. BOX 9000 RTE. 121
OXFORD, ME 04270

TELE: (207) 539-8883 FAX: (207)539-4446

DWG NO. KIM 3976

GOTO VIEW: 2DRAIN

DATE: 8/3/12

PLUMBING 2nd FLR DRAIN PLAN

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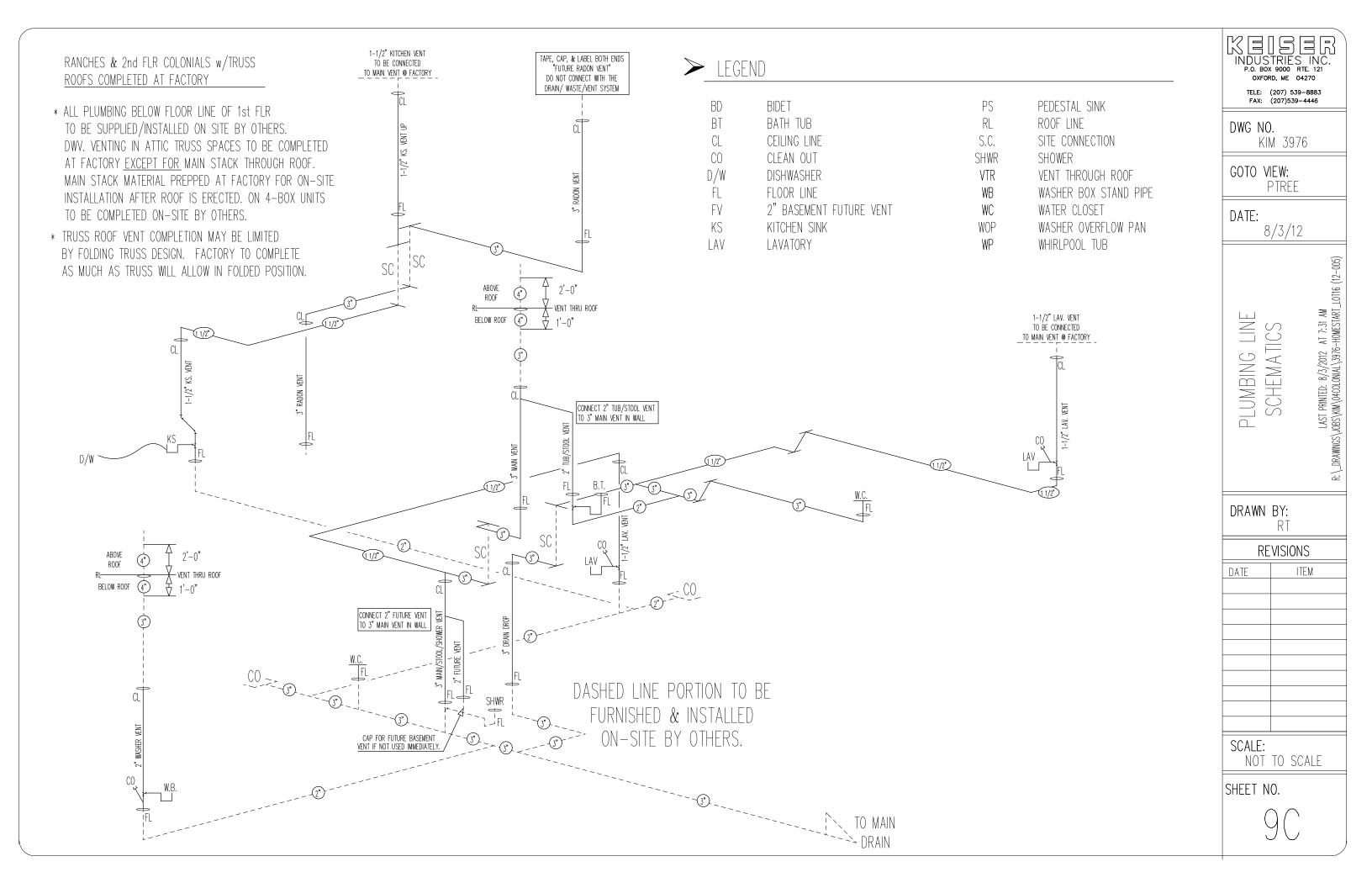
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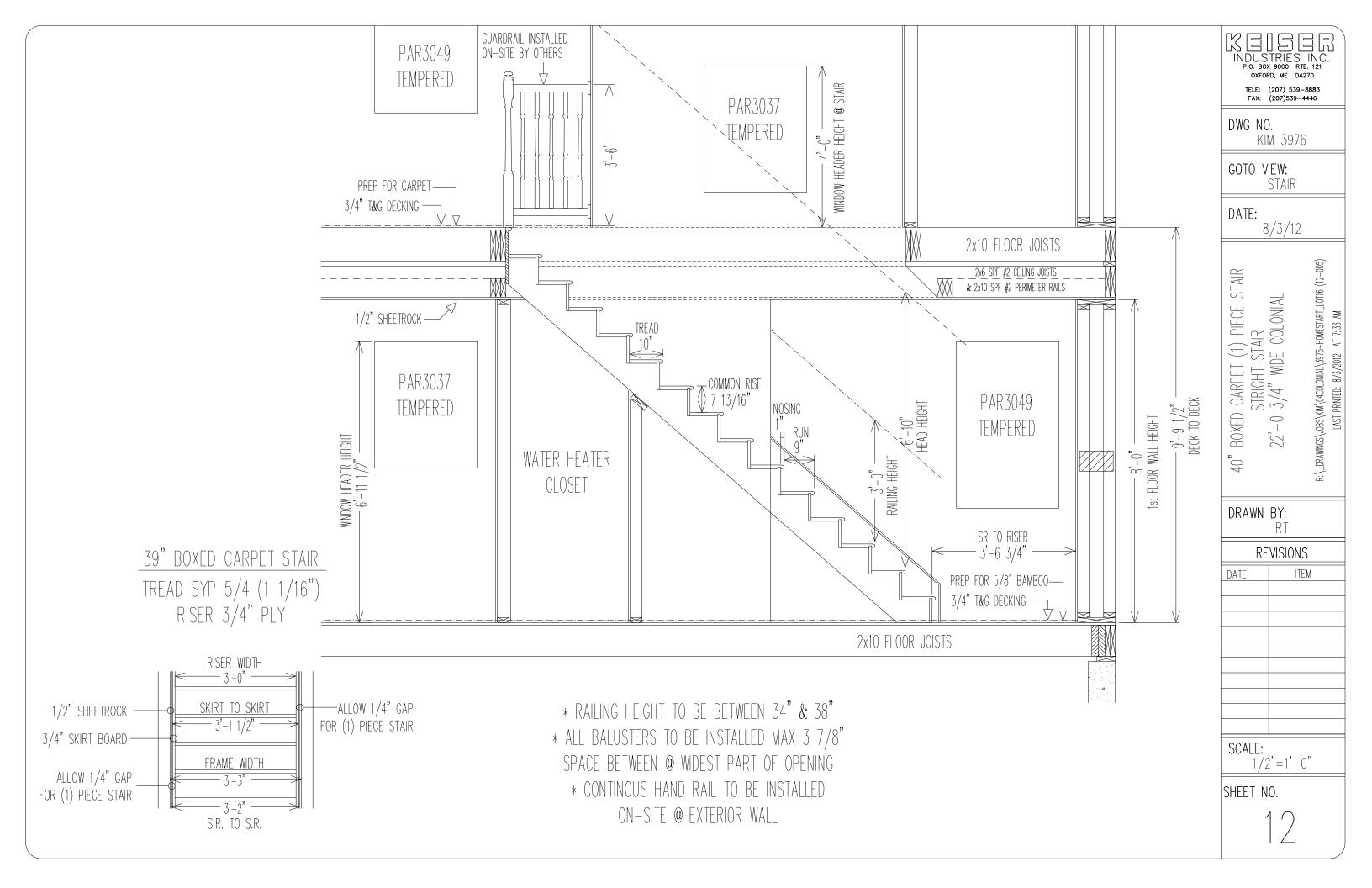
DATE ITEM

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

SHEET NO.

 $\bigcirc \triangle$







REScheck Software Version 4.4.3

Compliance Certificate

Project Title: KIM 3976

Energy Code: Location:

2009 IECC Portland, Maine

Construction Type: Glazing Area Percentage:

Single Family 12%

Heating Degree Days: Climate Zone:

7378

Construction Site:

25 Luther Street

Lot 16

Portland, ME 04108

Owner/Agent:

Hallmark Homes

PO Box 113

619 Lewiston Road; Route 196

Topsham, ME 04086

207-729-1057

Designer/Contractor:

Robert Tolliver

Kesier Homes P.O. Box 9000

56 Mechanic Falls Road

Oxford, ME 04270

888-333-1748

Compliance: Passes using UA trade-off

Compliance: 19.9% Better Than Code

Maximum UA: 241

Your UA: 193

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 To
Ceiling: Raised or Energy Truss	866	60.0	0.0		15
Wall: Wood Frame, 16" o.c.	1987	40.0	0.0		74
Single Hung Windows: Vinyl Frame: Triple Pane with Low-E	226			0.280	63
6-Panel Door: Solid	20			0.150	3
9-Lite Door: Glass	20			0.270	5
Crawl 1: Solid Concrete or Masonry Wall height: 5.0' Depth below grade: 4.0' Insulation depth: 5.0' Inside below-grade depth: 0.0'	691	0.0	10.0		33

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 2009 IECC requirements in REScheck Version 4.4.3 and to comply with the mandatory requirements listed in the REScheck Inspection Checklist.

Robert Tolliver

Signature

8/3/2012

Date

Project Notes:

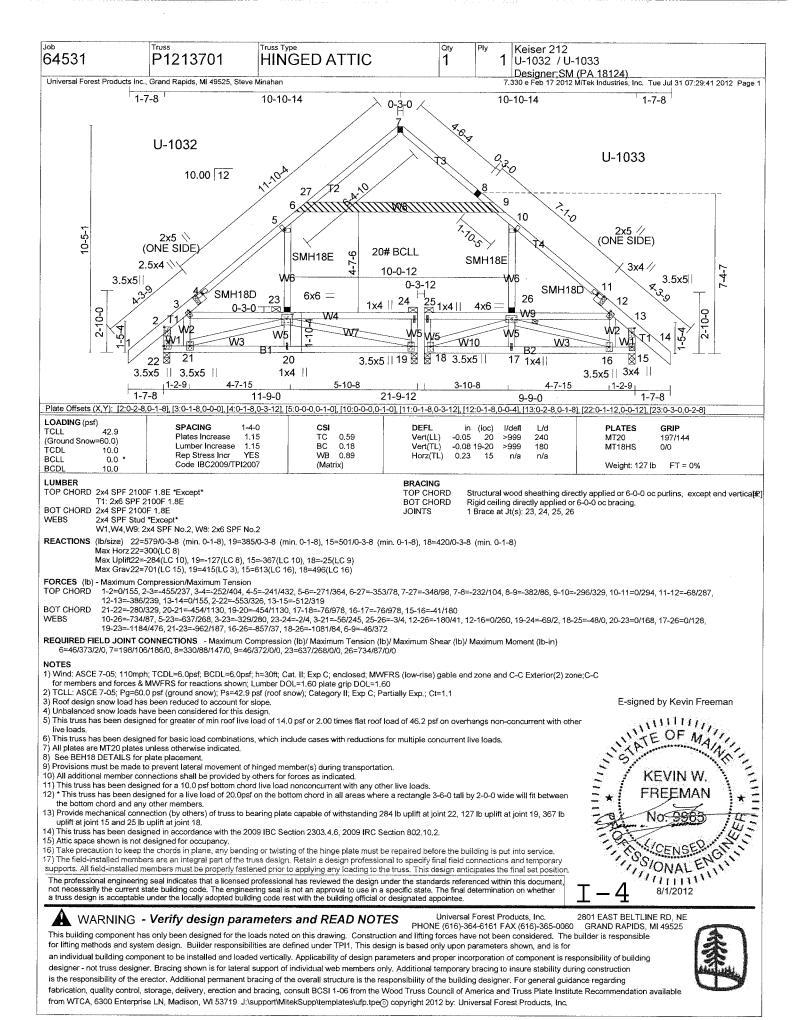
Name - Title

Meets 2005 MMHB Energy Standards.

MANUFAC	TURER'S	DAT	TA PLATE			менения как	CTORY INSTALLED EQ	QUIPMENT —	
				EQUIPMENT	MANUFACTURER	MODEL NO.			
Manufacturer KEISER HOMES				Heating					
Address 56 MECHANIC FALLS RD. (P.O. BOX 9000)				_ Cooling					
City, State, Zip OXFORD, ME 04270					- Range/Burner				
LISTED INDUSTRIALIZED BUILDING -				Oven	Frigidaire	FFEF3011LB			
Model	22'x28'	22'x28' w/16'x13' Custom Colonial				Refrigerator	Frigidaire	FFHT1814LB	
Occupancy Classification	1&2 FAMI	LY	Const. Class		"VB"	Water Heater			
Manufacturer's Serial No(s).		KIM 3976 ABCD				Dish Washer	Frigidaire	FFBD2409LB	
Date of Manufacture	DATE =	???]1	Plan Approval N	o.	N/A	Disposal			
Date Data Plate Attached	DATE =???					Hydro-Massage Tub			
Permissible Gas Type(s)	LP AND OR NATURAL GAS					Note: (1)	All 1st floor insulation over unconditioned basement spaces to be provided		
Electric Rating	200 AMP						& installed "on-site" by others per state & local code requirements		
Test Voltage/Time	1080 Volts for 1 second					Note: (2)	Wind Speed=3sg		
Water Supply: Test Procedure	100psi for 15min					Note: (3)			
Floor Design Live Load	40psf 1st / 30psf 2nd 60psf BALCONY	Des	ign Wind Speed And Exposure		nph/Exp. B (2	Shipping Weight(s)	Standard 14-wide Module = Estimated Box Weight = 600PL		
Ground Snow Load	60 PSF		Roof Design Live Load		42 PSF	TRA Label No(s).	??????; ??????; ??????; ??????		
Exterior Wall Fire Rating	N/R		Seismic Design Category	Cat	tegory"C"	State Insignia No(s).	???????-ME		
Winter Design Temp.: Inside	+72 F		Outside		-20 F	1			
U ₀ : Ceiling	0.017	Wall	0.025	Floor	0.053 (1)	Follow precisely all instructions with this building. Foundations, Installation and Utility Connections are subject to inspection by local authorities.			

CODE REFERENCE PLATE

Talana Robert	THIS MANUFACTURED STRUCTURE HAS BEEN CONSTRUCTED IN CONFORMANCE WITH THE FOLLOWING CODES:
	2008* NATIONAL ELECTRICAL CODE® INTERNATIONAL BUILDING CODE INTERNATIONAL MECHANICAL CODE 2003** INTERNATIONAL PLUMBING CODE INTERNATIONAL ENERGY CONSERVATION CODE INTERNATIONAL RESIDENTIAL CODE INTERNATIONAL FUEL GAS CODE INTERNATIONAL FIRE CODE UNIFORM BUILDING CODE UNIFORM PLUMBING CODE UNIFORM MECHANICAL CODE NATIONAL STANDARD PLUMBING CODE
	MMHB Rules for Radon Mitigation *w/State Amendments ct8-1/4" max rise 9" min run Basement Stair Geometry allowed w/design ** Plumbing not reg by the MMHB may be subject to ME State Internal Plumbing (2000UPC*) -pending AHJ input 2001 NFPA-31 Inst. of Oil Burning Equip. 2001 NFPA 58 LP Gas Code 2002 NFPA 54 National Fuel Gas Code 2005 Maine Energy Code (02-385 Chapter 110)



Truss Type Job Truss Qty Ply Keiser 212 64531 P1213601 HINGED COMMON 1 1 U-1111 Designer; SM (PA 18124) 7.330 e Feb 17 2012 MiTek Industries, Inc. Universal Forest Products Inc., Grand Rapids, MI 49525, Steve Minahan Tue Jul 31 08:10:24 2012 Page 1 of 1 1-7-8 9-4-8 4-7-8 1-7-8 4-9-0 0-3-0 10.00 12 23 4.70.0 2x5 \\
(ONE SIDE) 120 2x5 // (ONE SIDE) 9-1-12 4-8-9 SMH18E 0 3x4\\ 3x4/ SMH18A 3x4\\ 3x6 || X3.0 3x4 / SMH18A 22 2x5 || 4x6 3 20 0-3-0 J1 W3 2-10-0 12 ni tvz 1-5-4 W10 W10 W41 W13 **R1** 19ऄ 18 5x6 2x5 || 16 4x8 2x5|| 4x8 = 2x5 || 4-4-13 3-9-1 4-7-8 3-6-7 1-7-8 18-9-0 1-7-8 Plate Offsets (X,Y): [2:0-1-8,0-0-4], [3:0-1-8,0-0-4], [4:0-1-8,0-4-12], [4:0-1-0,0-0-0], [9:0-0-0,0-1-0], [10:0-1-8,0-4-12], [10:0-1-0,0-0-0], [11:0-1-8,0-0-4], [12:0-1-8,0-0-4], [15:0-4-0,0-1-12], [17:0-3-0,0-3-0], [18:0-4-0,0-1-12] LOADING (psf) SPACING DEFL in (loc) -0.07 17-18 1/defl 1 /d **PLATES** GRIP TCLL 12 Q Plates Increase 1.15 TC 0,30 Vert(LL) >999 240 MT20 197/144 (Ground Snow=60.0) Lumber Increase 1.15 вс 0.22 Vert(TL) -0.17 17-18 180 MT18HS 0/0 >999 TCDL 10.Ó WB Rep Stress Incr YES 0.32 Horz(TL) 0,02 14 n/a n/a BCLL 00 * Code IBC2009/TPI2007 (Matrix) Weight: 107 lb FT = 0% BCDL 10.0 LUMBER BRACING 2x4 SPF 2100F 1.8E *Except* TOP CHORD TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins. Ib. T1: 2x6 SPF 2100F 1.8E BOT CHORD Rigid ceiling directly applied or 6-0-0 oc bracing. BOT CHORD 2x4 SPF 2100F 1.8E JOINTS 1 Brace at Jt(s): 20, 21, 22 WEBS 2x4 SPF Stud *Except W6,W1,W5,W8,W9: 2x4 SPF No.2 REACTIONS (lb/size) 14=742/0-3-8 (min. 0-1-8), 19=741/0-3-8 (min. 0-1-8) Max Horz 19=267(LC 8) Max Uplift14=-302(LC 10), 19=-302(LC 9) Max Grav 14=899(LC 2), 19=899(LC 2) FORCES (Ib) - Maximum Compression/Maximum Tension TOP CHORD 1-2=0/155, 2-3=-535/199, 3-4=-785/264, 4-1-2=0/155, 2-3=-535/199, 3-4=-785/264, 4-23=-651/278, 5-23=-573/291, 5-6=-181/62, 6-7=-186/56, 7-8=-491/310, 8-9=-568/301, 9-10=-689/350, 10-11=-750/333, 11-12=-496/224 12-13=0/155 18-19=-268/267, 17-18=-2/657, 16-17=-192/863, 15-16=-192/863, 14-15=-1/0
2-19=-969/290, 12-14=-901/330, 9-21=-251/268, 3-20=-156/84, 20-22=-719/211, 21-22=-720/211, 11-21=-219/227, 3-18=-376/167, 11-15=-424/251, 16-21=0/92, 17-22=-11/5, 17-21=-78/341, 15-21=-584/272, 5-7=-439/347, 18-20=-392/165, 17-20=-135/261, 2-18=-103/650, 12-15=-147/593 BOT CHORD WEBS REQUIRED FIELD JOINT CONNECTIONS - Maximum Compression (lb)/ Maximum Tension (lb)/ Maximum Shear (lb)/ Maximum Moment (lb-in) 5=446/349/8/0, 6=114/63/112/0, 7=439/347/0/0, 8=519/305/170/0, 21=251/268/0/0 NOTES 1) Wind: ASCE 7-05; 110mph; TCDL=6.0psf; BCDL=6.0psf; h=35ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) gable end zone and C-C Exterior(2) zone; C-C by Kevin Free

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KEY for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 path table grip DOL=1.60 2) TCLL: ASCE 7-05; Pg=60.0 psf (ground snow); Ps=42.9 psf (roof snow); Category II; Exp C; Partially Exp.; Ct=1.1 3) Roof design snow load has been reduced to account for slope. E-signed by Kevin Freeman 4) Unbalanced snow loads have been considered for this design 5) This truss has been designed for greater of min roof live load of 14.0 psf or 2.00 times flat roof load of 46.2 psf on overhangs non-concurrent with other SATE OF MANY 6) This truss has been designed for basic load combinations, which include cases with reductions for multiple concurrent live loads 7) All plates are MT20 plates unless otherwise indicated. 8) See BEH18 DETAILS for plate placement. 9) Provisions must be made to prevent lateral movement of hinged member(s) during transportation. 10) All additional member connections shall be provided by others for forces as indicated. 11) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads 12) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members. OSONAL ENGINEER BY 1/2012 13) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 302 lb uplift at joint 14 and 302 lb uplift at joint 19. 14) This truss has been designed in accordance with the 2009 IBC Section 2303.4.6, 2009 IRC Section 802.10.2. 15) 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. 16) The field-installed members are an integral part of the truss design. Retain a design professional to specify final field connections and temporary supports. All field-installed members must be properly fastened prior to applying any loading to the truss. This design anticipates the final set position. 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. Universal Forest Products, Inc. 2801 EAST BELTLINE RD, NE WARNING - Verify design parameters and READ NOTES PHONE (616)-364-6161 FAX (616)-365-0060 GRAND RAPIDS, MI 49525 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\MitekSupp\templates\ufp.tpe© copyright 2012 by: Universal Forest Products, Inc.