

CITY OF NAPOLEON GENERAL PERMIT APPLICATION

THIS APPLICATION IS FOR RESIDENTIAL CONSTRUCTION INCLUDING BUILDING, ELECTRICAL,
PLUMBING, MECHANICAL & REMODELING

DATE 9/30/16 JOB LOCATION 750 W. Washington
 OWNER Anthony Thomas TELEPHONE # (989) 620-040
 OWNER ADDRESS 750 W. Washington
 CONTRACTOR Josh Saputo CELL PHONE # (419) 572-1544
 DESCRIPTION OF WORK TO BE PERFORMED Installing LVL beam, Electrical

ESTIMATED COMPLETION DATE 10/10/16 ESTIMATED COST 3,000.⁰⁰

Affected Floor Area (AFA): In existing structures, it is the area affected by the improvement, i.e. a new wall dividing a room (the AFA would be only the room and not all the rooms).

DESCRIPTION	FEE	TOTAL COST
BUILDING:		
Decks	\$25.00	\$
Addition & Alterations Square foot in (AFA) _____ x \$0.05 = \$ _____ +	\$25.00 =	\$ <u>25.00</u>
Garage and Shed over 200 SF (Detached)	\$25.00	\$
Siding and/or Roofing	\$25.00	\$
Windows/Doors	\$25.00	\$
ELECTRICAL:		
Electrical Circuits in (AFA) _____ x \$3.00/Circuit = \$ _____ +	\$25.00 =	\$ <u>25.00</u>
Electrical Service Upgrade	\$25.00	\$
MECHANICAL:		
Water Heater	\$25.00	\$
Furnace and/or AC Replacement	\$25.00	\$
PLUMBING:		
Plumbing Traps in (AFA) _____ x \$3.00/Trap = \$ _____ +	\$25.00 =	\$
TOTAL plus Ohio Board of Building Standards Fee 1%		\$ <u>1.50</u>

TOTAL FEE: \$ 50.50

I FULLY UNDERSTAND THAT NO EXCAVATION, CONSTRUCTION OR STRUCTURAL ALTERATION, ELECTRICAL OR MECHANICAL INSTALLATION OR ALTERATION OF ANY BUILDING STRUCTURE, SIGN, OR PART THEREOF AND NO USE OF THE ABOVE SHALL BE UNDERTAKEN OR PERFORMED UNTIL THE PERMIT APPLIED FOR HEREIN HAS BEEN APPROVED AND ISSUED BY THE CITY OF NAPOLEON BUILDING/ZONING DEPARTMENT.

I hereby certify that I am the Owner of the named property, or that the proposed work is authorized by the Owner of record and that I have been authorized by the Owner to make this application as his/her authorized agent and I agree to conform to all applicable laws of the jurisdiction. In addition, if a permit for Work described in this application is issued, I certify that the code official or the code official's authorized representative shall have the authority to enter areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit.

I HEREBY ACKNOWLEDGE THAT I HAVE READ AND FULLY UNDERSTAND THE ABOVE LISTED INSTRUCTIONS.

SIGNATURE OF APPLICANT: [Signature] DATE: 9/30/16

PRINT NAME: Josh Saputo

PERMIT # _____ BATCH # 35237 CHECK # 945 DATE 9-30-16

0-16-0279

Attic

12'2"

12'2"

2nd Floor

12'2"

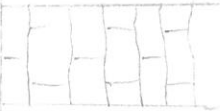
12'2"

LVL Beam
15' long

15'

Basement

Brick wall



CS Beam 4.14.5.3
 kmBeamEngine 4.13.4.1
 Materials Database 1524

Member Data

Description:

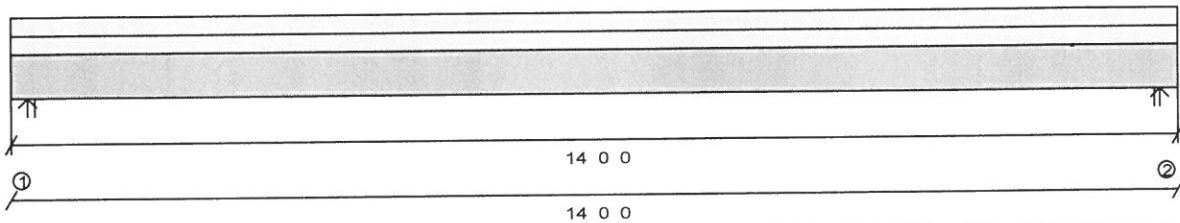
Standard Load:
 Live Load: 25 PLF
 Dead Load: 10 PLF

Member Type: Beam
 Top Lateral Bracing: Continuous
 Bottom Lateral Bracing: Continuous
 Moisture Condition: Dry
 Deflection Criteria: L/360 live, L/240 total
 Deck Connection: Nailed
 Filename: Beam1

Application: Floor
 Building Code: IBC/IRC
 Member Weight: 16.2 PLF

Other Loads

Type (Description)	Side	Begin	End	Trib. Width	Other Start	End	Dead Start	End	Category
Additional Uniform (PLF)	Top	0' 0.00"	14' 0.00"		360		120		Live
Additional Uniform (PLF)	Top	0' 0.00"	14' 0.00"		300		80		Live



Bearings and Reactions

	Location	Type	Material	Input Length	Min Required	Gravity Reaction	Gravity Uplift
1	0' 0.000"	Wall	SPF Plate (425psi)	3.500"	2.769"	6179#	--
2	14' 0.000"	Wall	Steel	3.500"	1.500"	6179#	--

Maximum Load Case Reactions

Used for applying point loads (or line loads) to carrying members

	Live	Dead
1	4645#	1534#
2	4645#	1534#

Design spans
 13' 6.750"

Product: MASTER PLANK 2900Fb 1.75x14 3 ply

PASSES DESIGN CHECKS

Connect members with 3 rows of 16d common nails at 12.0" oc
 NOTE: Nails must be applied from both sides
 Design assumes continuous lateral bracing along the top chord.
 Design assumes continuous lateral bracing along the bottom chord.

Allowable Stress Design

	Actual	Allowable	Capacity	Location	Loading
Positive Moment	20951.#	42119.#	49%	7'	Total Load D+L
Shear	5116.#	15680.#	32%	0.23'	Total Load D+L
Max. Reaction	6179.#	7809.#	79%	0'	Total Load D+L
TL Deflection	0.3217"	0.6781"	L/505	7'	Total Load D+L
LL Deflection	0.2419"	0.4521"	L/672	7'	Total Load L

Control: Max. Reaction
 DOLs: Live=100% Snow=115% Roof=125% Wind=160%
 Design assumes a repetitive member use increase in bending stress: 4 %

All product names are trademarks of their respective owners

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 KeyBeam is defined as when the member, floor joist, beam or girder shown on this drawing meets applicable design criteria for Loads, Loading Conditions, and Spans listed on this drawing. The design must be reviewed by a qualified designer or design professional as required for approval. This design assumes product installation according to the manufacturer's instructions.