

archadeck® outdoor living

DB DESIGNS, LLC
d.b.a. Archadeck of South Kansas City

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DESIGN LOAD CRITERIA

FOOTING/FOUNDATION LOADS	P.S.F.	CEILING	P.S.F.
LIVE LOAD	40	WITH STORAGE (L/240)	20
DEAD LOAD	10	WITHOUT STORAGE (L/240)	10
TOTAL DESIGN LOAD	50		
DECK LOADS (L/240)	P.S.F.	ROOF LOADS (L/240)	P.S.F.
(DECK FRAMING)		WITH STORAGE (L/360)	20
FRAMING DESIGN LIVE LOAD	60	WITHOUT STORAGE (L/360)	10
FRAMING DESIGN DEAD LOAD	10	DEAD LOAD	10
TOTAL FRAMING DESIGN LOAD	70		
FLOOR LOADS (L/360)	P.S.F.	PERGOLA LOADS (L/240)	P.S.F.
LIVE LOAD (LIVING)	40	SNOW LOAD	20
LIVE LOAD (SLEEPING)	30	DEAD LOAD	10
DEAD LOAD	10	TOTAL DESIGN LOAD	30
SPA LOADS (L/240)	P.S.F.		
LIVE LOAD	100	LIVE LOAD	10
DEAD LOAD	10	DEAD LOAD	5
TOTAL DESIGN LOAD	110	TOTAL DESIGN LOAD	15

ROBINSON
45-076143
409 SE MILL CREEK DRIVE
LEE'S SUMMIT, MO, 64063

ABBREVIATIONS:

#B	- BEAM	GLU	- GLULAM
#BB	- BAND BOARD	HDR	- HEADER
#C	- RAIL CAP LENGTH	INT	- INTERIOR
#CB	- COLLAR BEAM	IN	- INCH
#DB	- DOUBLE BAND	JST	- JOIST
#DJ	- DOUBLE JOIST	LB	- POUNDS
#DR	- DOUBLE RAFTER	L.L	- LIVE LOAD
#F	- FENCE CAP LENGTH	L.V.L	- LAMINATED VENEER LUMBER
#G	- GIRDER	LOWR	- LOWER
#HB	- HOUSE BAND	MANUF	- MANUFACTURER
#HBE	- HOUSE BAND EXTENSION	MAX	- MAXIMUM
#KB	- KING BEAM	MIN	- MINIMUM
#QJ	- QUAD JOIST	MOD	- MODIFIED
#RB	- RIDGE BEAM	N.T.S	- NOT TO SCALE
#RP	- ROOF PLATE	O.C	- ON CENTER
#TB	- TRIPLE BAND	OPT	- OPTIONAL
#TJ	- TRIPLE JOIST	O.S.B	- ORIENTED STRAND BOARD
ALT	- ALTERNATE	P.L	- POINT LOAD
ALUM	- ALUMINUM	P.L.F	- POUNDS PER LINEAR FOOT
APX	- APPROXIMATE	P.S.F	- POUNDS PER SQUARE FOOT
BD	- BOARD	P.S.I	- POUNDS PER SQUARE INCH
C/L	- CENTER LINE	P.S.L	- PARALLEL STRAND LUMBER
CJ	- CEILING JOIST	PT	- PRESSURE TREATED
CLG	- CEILING	P.T.T	- POUR TO TOP
C.M.U	- CONCRETE MASONRY UNIT	P.V.C	- POLY VINYL CHLORIDE
CONC	- CONCRETE	RBD	- RIDGE BOARD
CONT	- CONTINUOUS	REQD	- REQUIRED
DBL	- DOUBLE	R.O	- ROUGH OPENING
DIA	- DIAMETER	RSW	- RIDGE SUPPORT WALL
DIM	- DIMENSION	S.F	- SQUARE FOOT/FEET
D.L	- DEAD LOAD	SQ	- SQUARE
DN	- DOWN	T&G	- TONGUE & GROOVE
DTL	- DETAIL	T.L	- TOTAL LOAD
ELEC	- ELECTRICAL	T.O.D	- TOP OF DECK
ELEV	- ELEVATION (SEE T.O.D.)	TYP	- TYPICAL
EQ	- EQUIVALENT	UNFIN	- UNFINISHED
EXT	- EXTERIOR	U.N.O	- UNLESS NOTED OTHERWISE
FIN	- FINISH	UPR	- UPPER
FLR	- FLOOR	W	- WITH
FND	- FOUNDATION	W/O	- WITHOUT
FT	- FOOT/FEET		
F.V	- FOUNDATION VENT		

SYMBOL LEGEND

I.Q.D. TAG	DETAIL TAG
XX" ELEVATION AT POINT OF TAG	DETAIL NUMBER SHEET AREA OF DETAIL
# DN DIRECTION OF VIEW	SECTION TAG SECTION CUT PLANE DIRECTION OF VIEW

- - 4 x 4 DECK COLUMN
- - 4 x 6 DECK COLUMN
- - 6 x 6 DECK COLUMN
- - RAIL POST
- ⊗ - FENCE POST
- ⊗ - ROOF POST/ PERGOLA POST
- ⊗ - STUD LOCATION
- X - X BRACING
- ⊗ - PARTING BOARD LOCATION AND CENTER LINE

DESIGN CRITERIA:

- THIS PROJECT HAS BEEN DESIGNED FOLLOWING THE REGULATIONS OF THE 2012 IRC (INTERNATIONAL RESIDENTIAL CODE).
- WORK TO MEET LOCAL, STATE AND APPLICABLE RULES AND REGULATIONS.
- IN-GRADE DESIGN VALUES BASED ON AF&PA.
- PROVIDE JOIST HANGERS @ ALL FLUSH FRAME CONDITIONS.
- PRESUMPTIVE SAFE SOIL BEARING CAPACITY IS 1500 PSF.
- FROST LINE 36".
- CONNECTIONS TO EXISTING STRUCTURE FLASHED PER LOCAL CODE.

NOTES:

ASSUMED SPA LOADING. VERIFY W/ SPA MANUFACTURER

ASSUMED OPEN FRAMED PERGOLA, NOT DESIGNED FOR SNOW LOADS

LUMBER:

- ALL FRAMING LUMBER TO BE #1 S.P.F. (SOUTHERN PINE) OR BETTER, TREATED FOR EXTERIOR USE, PER LOCAL CODE U.N.O.
- ALL P.S.L. ENGINEERED TYPE LUMBER TO BE TREATED FOR EXTERIOR USE: P.S.L. STRESS CLASS (2.0E, 2500Fb) P.S.I.
- ALL GLULAM ENGINEERED TYPE LUMBER TO BE TREATED FOR EXTERIOR USE: GLULAM STRESS CLASS (1.9E, 2600Fb) P.S.I.
- ALL L.V.L./MICROLAM ENGINEERED TYPE LUMBER TO BE INTERIOR USE ONLY: L.V.L. STRESS CLASS (1.8E, 2600Fb) P.S.I.

CONCRETE:

- MINIMUM 28 DAY COMPRESSIVE STRENGTH = 2600 PSI.

SHEET INDEX

NOTE THAT NOT ALL JOBS REQUIRE ALL SHEETS

ST	-SITE	FF-#	-FLOOR FRAMING
PL-#	-PLAN	FP-#	-FLOOR PLAN
EV-#	-ELEVATION	CF-#	-CEILING FRAMING
FD-#	-FOUNDATION/FOOTINGS	RF-#	-ROOF FRAMING
		SD-#	-SECTION/DETAIL

DRAWINGS PREPARED BY: ARCHADECK FRANCHISING CORPORATION
CONSTRUCTION & DRAFTING DEPARTMENT
2924 EMERYWOOD PARKWAY, SUITE 101
RICHMOND, VA 23234
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UNAUTHORIZED DUPLICATION IS A VIOLATION OF APPLICABLE LAWS

CONTACT

FOR ANY QUESTIONS OR CONCERNS PLEASE CONTACT:
DB DESIGNS, LLC
2325 SW Hawk View RD, Lees Summit, MO 64082
PHONE: (913) 851-3325

ENGINEER OF RECORD
(AS APPLICABLE)

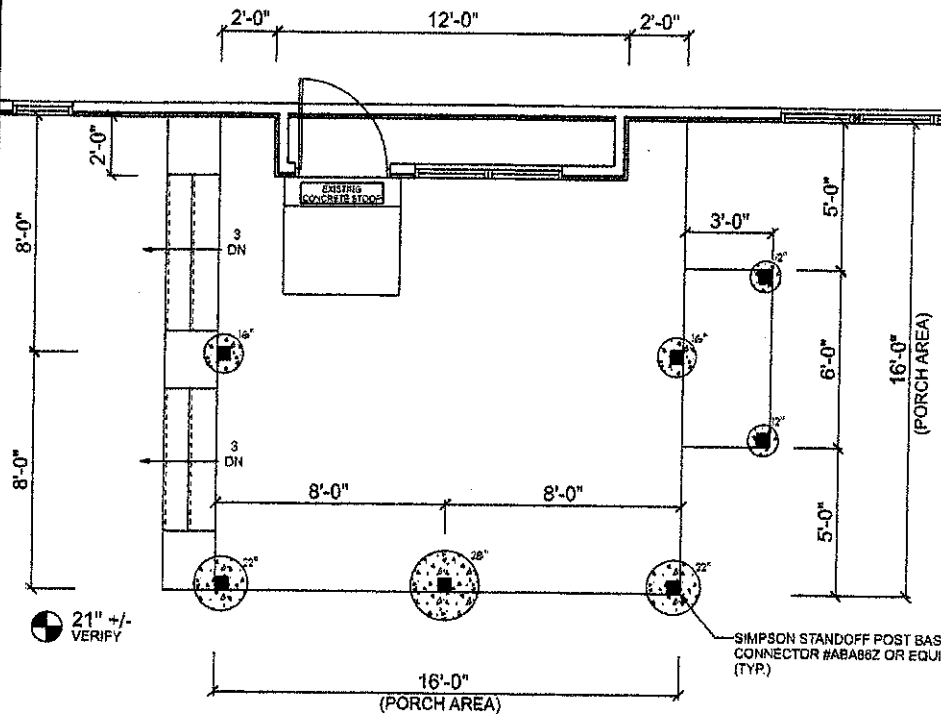
STATE OF MISSOURI
REGISTERED ARCHITECT
NUMBER
A-5468

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
CODES ADMINISTRATION
LEE'S SUMMIT, MISSOURI

BY: DM E
DATE: 9-12-19

All dimensions are approximate. In the event of a difference between the drawn and written dimensions, the written dimension shall prevail. Due to local differences in building codes and regulations, and specific site conditions, these drawings may need to be modified by the builder to comply with local codes and regulations, or site conditions.

EXISTING RESIDENCE
DOOR THRESHOLD FLUSH TO DECK



USE (#1 GRADE) MATERIAL

GENERAL DECK NOTES

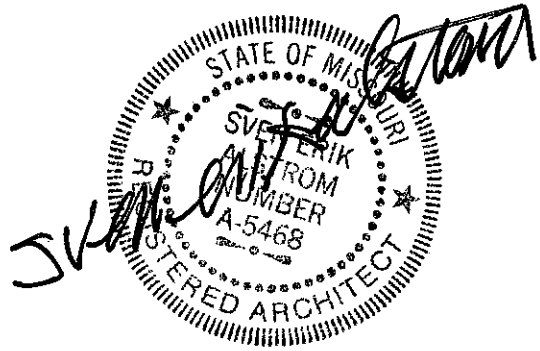
- 12" DIA. SONOTUBE FOOTING BELLED TO SIZE NOTED
- C/N FOUNDATION PLAN, SEE PLAN FOR LOCATION(S) #201-C (MOD.)
- 6 x 6 P.T. COLUMN (TYPICAL), TREATED FOR GROUND CONTACT #207

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SHEET DESCRIPTION

SHEET:
2/6
FD-1
SCALE: 1/4" = 1'-0"

Prepared by:
Archadeck Franchising Corporation
2924 Emerywood Parkway
Suite 101
Richmond, VA 23294
Construction & Drafting Department
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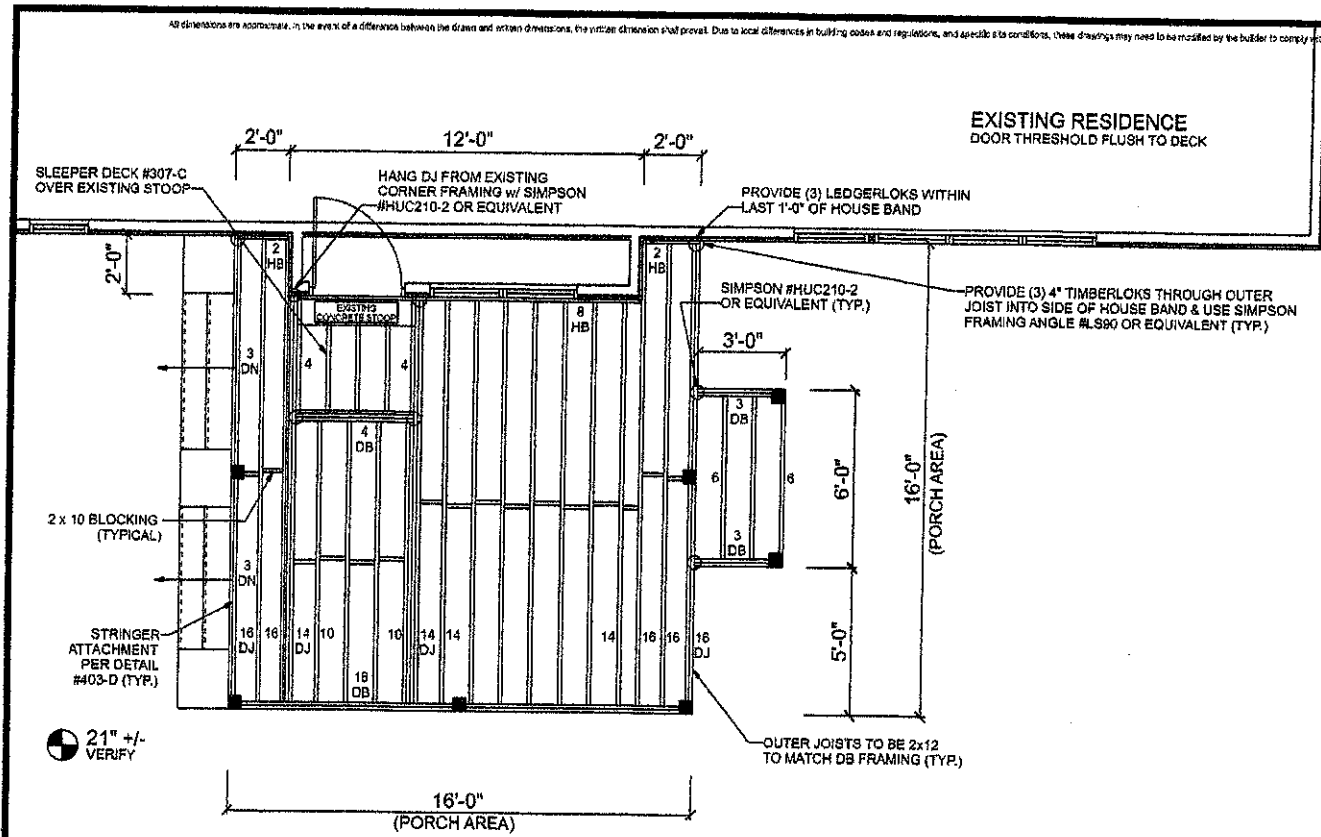


45-ROBINSON-076143
409 SE MILL CREEK DRIVE
LEE'S SUMMIT, MO 64063
DRAWN BY: NDA EXT: 234
AUGUST 29, 2019

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CODES ADMINISTRATION
LEE'S SUMMIT, MISSOURI

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DATE _____

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EXISTING RESIDENCE
DOOR THRESHOLD FLUSH TO DECK

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SHEET DESCRIPTION

SHEET:
3/6
FF-1
SCALE: 1/4" = 1'-0"

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USE (#1 GRADE) MATERIAL

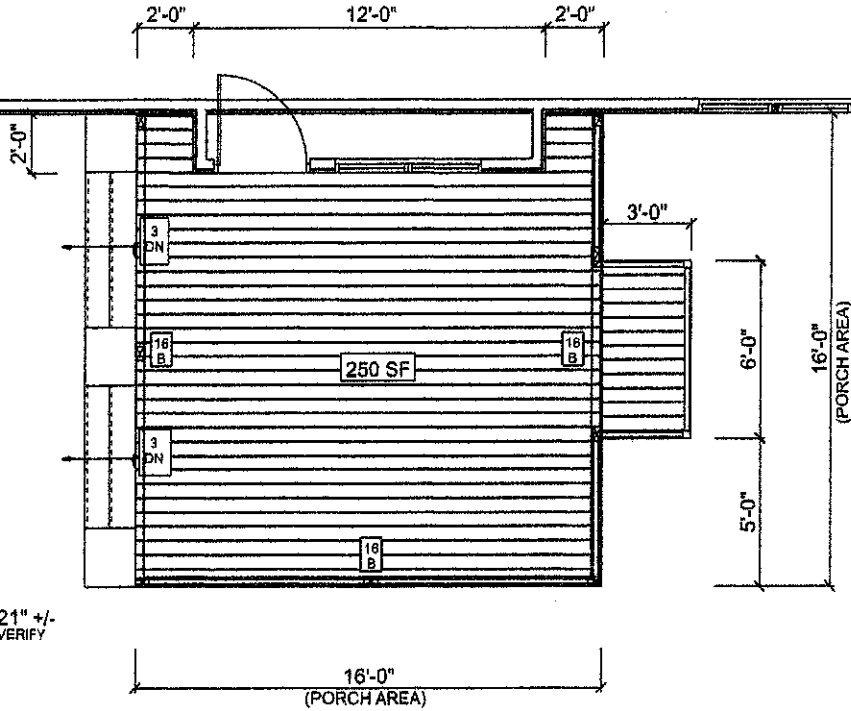
GENERAL DECK NOTES
2 x 10 P.T. JOISTS @ 12" O.C. (TYP)
(2) 2 x 12 P.T. BAND(S). SEE PLAN FOR LOCATION(S) #211
2 x 10 P.T. HOUSE BAND w/ JOIST HANGERS & LEDGERLOKS STAGGERED @ 6" O.C. (PER MANUFACTURER'S SPECIFICATIONS) PER DETAIL #V-202-B

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BY THE ARCHITECT
LEE'S SUMMIT, MISSOURI

BY _____
DATE _____

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EXISTING RESIDENCE
DOOR THRESHOLD FLUSH TO DECK



21" +/-
VERIFY

GENERAL DECK NOTES
5/4 x 6 AZEK DECKING w/ COMPOSITE SCREW FASTENERS
1 x 4 w/ 1 x 12 AZEK TRIM @ PERIMETER #C-317-A
36" HIGH FORTRESS RAIL INSTALLED PER MANUF. SPEC'S. w/ INSET JOINT POSTS #504
AZEK STAIR #400 w/ 5/4 x 6 TREADS & RISERS w/ 2 x 12 P.T. STRINGERS PER MANUF. SPEC'S.

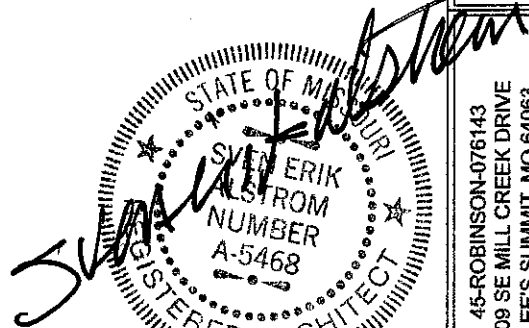
GENERAL PORCH NOTES
OPEN PORCH (NO SCREEN)
(2) 2 x 8 CEDAR ROOF BEAM w/ 2 x 4 TOP & BOTTOM PLATES (TYP.) #2308-A
4 x 6 CEDAR ROOF POST (TYP.) #2302-A

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SHEET DESCRIPTION

SHEET:
4/6
FP-1
SCALE: 1/4" = 1'-0"

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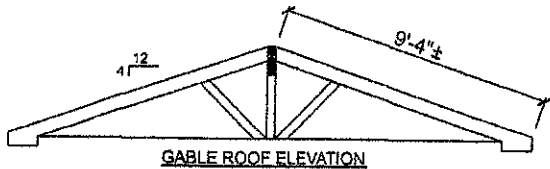
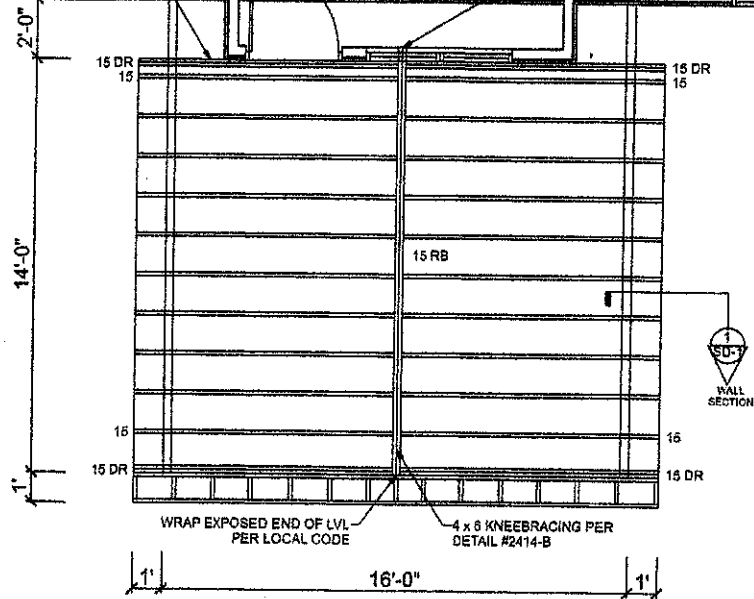
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CODEC ADMINISTRATION
LEE'S SUMMIT, MISSOURI

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SECOND STORY ROOF EXTENDS TO THIS POINT

POCKET RIDGE BEAM TO SOLID BEARING @ HOUSE WALL



STATE OF MISSOURI
 SVEN ERIC ALSTROM
 LICENSE NUMBER 5468
 REGISTERED ARCHITECT

GENERAL PORCH NOTES	
4:12 GABLE ROOF w/ SIDEWALL CONNECTION #2408-B	
(2) 1 3/4 x 11 1/4 LVL (MICROLLAM) RIDGE BEAM #2402-A	
2 x 8 (SPRUCE-PINE-FIR) RAFTERS @ 16" O.C. (TYP.)	
1 x 6 SMART TRIM FASCIA/RAKE BOARD #2413	
CATHEDRAL CEILING w/ ENCLOSED RAFTERS & T&G PINE CEILING FINISH #2707-B	
OPEN GABLE END FINISH #2408-A	
8'-0" FROM T.O.D. TO TOP OF ROOF BEAM OR MATCH EXISTING SOFFIT (TYP.)	
SMART TRIM ENCLOSED SOFFIT w/ 2 x 4 LOOKOUTS & 12" OVERHANG #2413-A	
2 x 12 ROOF PLATES w/ 2 x 8 RIDGE BOARD & 2 x 8 CRIPPLE RAFTERS @ 16" O.C. @	
ROOF TIE-IN #2407 w/ 2 x 4 RIDGE SUPPORT WALL #2408 (SPRUCE-PINE-FIR)	

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SHEET DESCRIPTION

SHEET:
 5/6
 RF-1
 SCALE: 1/4" = 1'-0"

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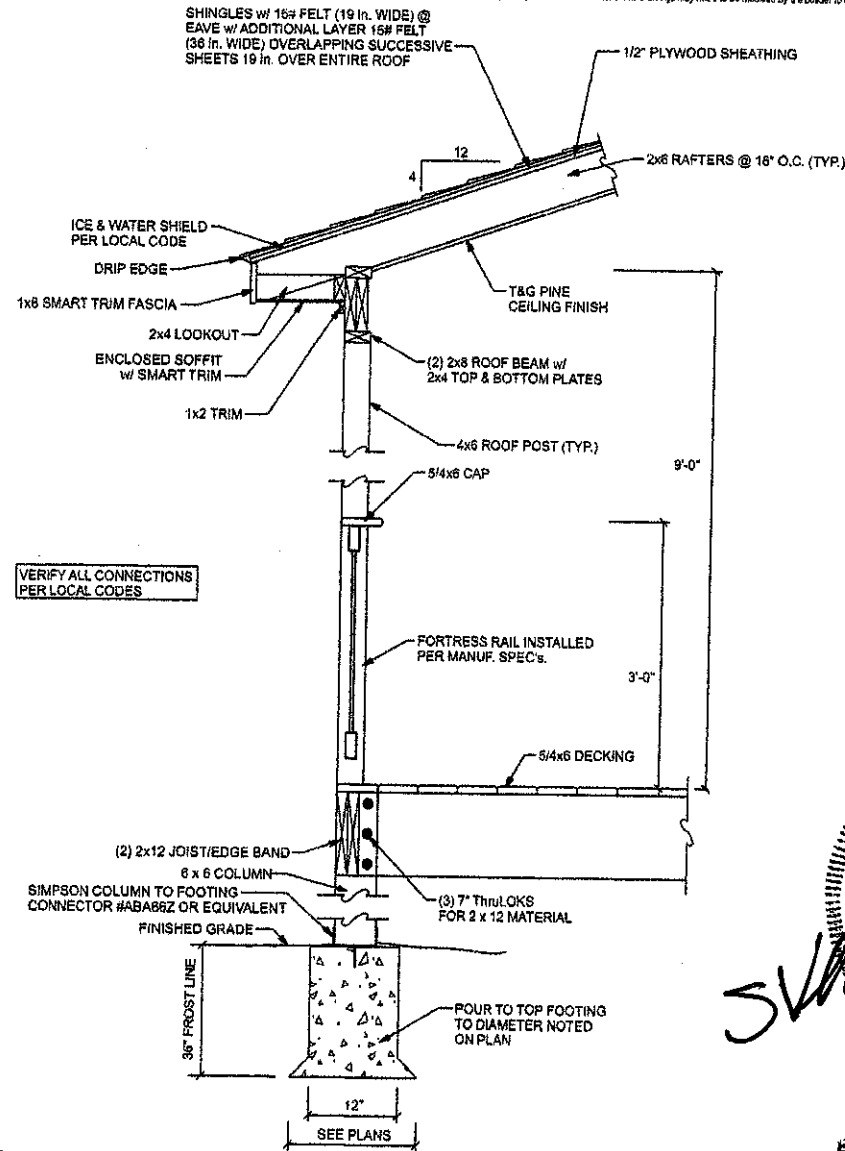
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VERIFY ALL CONNECTIONS PER LOCAL CODES

1 WALL SECTION
SCALE: 3/4" = 1'-0"

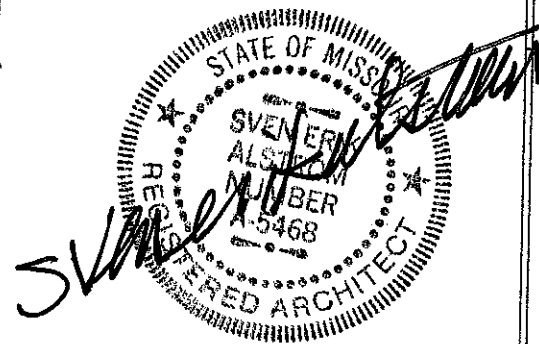
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6/6
SD-1
SCALE: 1/4" = 1'-0"

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