



# COUNTY of SUSSEX

DATE: \_\_\_\_\_

APPLICANT: \_\_\_\_\_

BLDG LOCATION: \_\_\_\_\_

REVIEWER: \_\_\_\_\_ W. Travis Luter Sr.

BEDROOMS \_\_\_\_\_ GREAT RM \_\_\_\_\_ LAUNDRY \_\_\_\_\_ CARPORT \_\_\_\_\_ MEDIA ROOM \_\_\_\_\_  
 BATHROOMS \_\_\_\_\_ DINING RM \_\_\_\_\_ FOYER \_\_\_\_\_ PORCHES \_\_\_\_\_ BRKFST NOOK \_\_\_\_\_  
 LIVING RM \_\_\_\_\_ KITCHEN \_\_\_\_\_ GARAGE \_\_\_\_\_ STUDY \_\_\_\_\_ EXTERIOR \_\_\_\_\_  
 STORAGE \_\_\_\_\_ DECK(S) \_\_\_\_\_ BASEMENT \_\_\_\_\_ FIREPLACES \_\_\_\_\_ HEAT TYPE \_\_\_\_\_

LIVING AREA (1st FL) \_\_\_\_\_ LIVING AREA (2nd FL) \_\_\_\_\_ LIVING AREA (3rd FL) \_\_\_\_\_  
 TOTAL LIVING AREA \_\_\_\_\_ GROSS AREA \_\_\_\_\_

TOTAL VALUE OF CONSTRUCTION \$ \_\_\_\_\_

AREA UNDER ROOF \_\_\_\_\_ X 0.12 = #VALUE!

2% SURCHARGE = #VALUE!

TOTAL PERMIT FEE = #VALUE!

DESCRIPTION: SFD

\_\_\_\_\_ GARAGE  
 \_\_\_\_\_ DET. GARAGE  
 \_\_\_\_\_ R.O.G. (unfinished)  
 \_\_\_\_\_ DECK (without roof)  
 \_\_\_\_\_  Front  
 \_\_\_\_\_  Back  
 \_\_\_\_\_  Side  
 \_\_\_\_\_ PORCH (with roof)  
 \_\_\_\_\_  Front  Screened  
 \_\_\_\_\_  Back  Screened  
 \_\_\_\_\_  Back  Screened  
 \_\_\_\_\_  Side  Screened  
 \_\_\_\_\_ PATIO  
 \_\_\_\_\_ STORAGE (unfinished)  
 \_\_\_\_\_ BASEMENT

INSPECTIONS NEEDED (ONLY THE ITEMS CHECKED):

- |                                     |                                     |  |                                     |
|-------------------------------------|-------------------------------------|--|-------------------------------------|
| <input type="checkbox"/> E & S      | <input type="checkbox"/> PLUMB SLAB | <input type="checkbox"/> SHEATHING     | <input type="checkbox"/> INSULATION |
| <input type="checkbox"/> FOOTING    | <input type="checkbox"/> SLAB       | <input type="checkbox"/> MARRIAGE WALL | <input type="checkbox"/> FINAL      |
| <input type="checkbox"/> PROJECTION | <input type="checkbox"/> FOUNDATION | <input type="checkbox"/> ROUGH - IN    |                                     |

REVIEW SUMMARY / CORRECTION LIST

NUMBER	DESCRIPTION	CODE SECTION
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REVIEW SUMMARY / CORRECTION LIST continued

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## BUILDING PLANNING Chapter 3

### LOCATION ON THE LOT (R302)

Yes	No	N/A	Code	Comments
			1-hour rating for exterior walls located less than 5 ft from lot line (VUSBC R302.1)	
			Exterior wall openings/penetrations (VUSBC Table R 302.1/R302.2/R302.3)	

### MECHANICAL EXHAUST FANS (R303)

Yes	No	N/A	Code	Comments
			Mechanical exhaust fans required bathroom, water closet compartment and other similar areas R303.3	

### SANITATION (R306 & R307)

Yes	No	N/A	Code	Comments
			Water Closet	
			Lavatory	
			Tub and shower	
			Kitchen area with sink	

### GLAZING (R308)

Yes	No	N/A	Code	Comments
			Human impact loads / hazardous locations (R308.3/R308.4 <b>Temp. window reg.</b> )	

### GARAGES AND CARPORTS (R302)

Yes	No	N/A	Code	Comments
			No opening between garage and sleeping room (R302.5)	
			Other openings (garage to residence); <b>1 3/8" solid wood doors, 20-minute fire-rated doors</b> (R302.5.1)	
			Garage-dwelling separation; 1/2" gypsum board on garage side, except <b>5/8" Type X</b> required below habitable rooms (Table R 302.6)	

EGRESS (R310 through R312)

Yes	No	N/A	Code	Comments
			Basement with habitable space and sleeping room window for emergency escape: opening <b>5.7</b> sq. ft. (grade floor, <b>5</b> sq. ft), <b>24"</b> net clear height, <b>20"</b> net clear width; maximum sill height= <b>44"</b> (R310.1-R310.4)	
			Window wells (R310.2)	
			Exit access or hallway width minimum <b>3'</b> (R311.6)	
			One exit from each dwelling unit (R311.2)	
			Exit door $\geq$ (3'0" x 6'8") (R311.2)	
			Landings for doors (R311.3)	
			Stairways; minimum width=3'0"; maximum stair raise = 8 1/4"; Minimum tread = 9"; 3/4" - 1 1/4 nosing; Minimum headroom = 6'8" (VUSBC R311.7)	
			Landings for stairways; minimum dimension <b>36"</b> (R311.7.5)	
			Spiral Stairways (R311.7.9.1)	
			Ramp slope (1:12 maximum) (1:8 permitted where 1:12 not feasible) (R311.8.1)	
			Ramp landing, minimum <b>3' X 3'</b> (R311.8.2)	
			Ramp handrails; one required if slope exceeds <b>1:12</b> (R311.8.3)	
			Stair Handrails;required on 1 side,height <b>34"-38"</b> (R311.7.7)	
			Guards: required for porches, balconies, open sides of stairs, or raised floor surfaces <b>&gt;30"</b> above floor; <b>34"-36"</b> minimum guard height (R312.1- R312.2)	
			Guardrail opening limitations (R312.3)	

SMOKE ALARMS (R314)

Yes	No	N/A	Code	Comments
			Location and interconnection (R313.3)	
			Power source (R313.4)	

CARBON MONOXIDE ALARMS (R315)

Yes	No	N/A	Code	Comments
			Location and interconnection (R315)	

PROTECTION FROM DECAY (317)

Yes	No	N/A	Code	Comments
			All wood framing members that rest on concrete or masonry must be at least 8" above grade. (R317.1 #2)	

FOUNDATIONS Chapter 4

MATERIALS (R402.1)

Yes	No	N/A	Code	Comments
			Wood foundations (R402.1)	
			Concrete, compressive strength (R402.2)	

FOOTINGS (R403)

Yes	No	N/A	Code	Comments
			Engineer Soil Report. (USBC 109.3)	
			Soil bearing value (R401.4, R403.1)	
			Footing width (Table R403.1)	
			Footing depth ( <b>1 story 8" 2 story 10"</b> )	
			Depth below (outside) grade= <b>18"</b> minimum;but below frost line except for frost protected footings. (R403.1.4, R403.1.4.1 and R403.1.4.2)	
			Sill plate bolting in concrete/masonry = 1/2" diameter bolts at <b>6' o.c.</b> and within <b>12"</b> but not less than 7 bolt diameters <b>from corner</b> , 7" embedment (R403.1.6)	

FOUNDATION WALLS (R404 - R406)

Yes	No	N/A	Code	Comments
			Full foundation plan indicating pier and curtain or solid foundation. (USBC 112.2)	
			Masonry foundation walls (R404.1.1)	
			Concrete foundation walls (R404.1.2)	
			Maximum wall height [Table R404.1.1 (1)] (Basement/Elevations reg)	
			Maximum unbalanced fill height [Table R404.1.1(1)] (Basement/Elevation Reg.)	
			Minimum nominal wall [Table R404.1(1)] (Basement/Elevation Reg.)	
			Reinforcement size and spacing Tables R404.1.1(2) - R404.1.1(4)	
			Sill Plate Size(R404.3)	
			Drains required if habitable or usable spaces are below grade R405 (Basement)	
			Damp proofing if basements are below grade R406.1 (if uninhabitable, see under-floor space R408.1)	
			Water proofing if high water R406.2 (if uninhabitable, see under-floor space R408)	

COLUMNS (R407)

Yes	No	N/A	Code	Comments
			Column: Structural requirements and anchorage (R407.3 & 502.7)	

UNDER FLOOR SPACE (R408)

Yes	No	N/A	Code	Comments
			Ventilation R408.1 - R408.2	
			Unvented crawlspace R 408.3 Access R408.4	
			Access R408.4	
			Flood Resistance R408.7	

## FLOORS Chapter 5

### WOOD JOISTS and GIRDERS (R502)

Yes	No	N/A	Code	Comments
			First floor framing plan. (USBC 112.2)	
			Second floor framing plan. (USBC 112.2)	
			Third floor framing plan. (USBC 112.2)	
			Joists Sleeping areas, <b>LL=30 psf</b> Table R502.3.1(1)	
			Joists Non-Sleeping areas, <b>LL-40 psf</b> Table R502.3.1(2)	
			Cantilevered joists Tables R502.3.3(1) - (2)	
			Girder spans and header spans for exterior bearing walls R502.5(1)	
			Girder spans and header spans for interior bearing walls Table R502.5(2)	
			Joists under bearing partitions R502.4	
			Framing of openings in the floor (i.e. stairways) R502.10	
			Wood trusses (R502.11) must be engineered	
			Floor and Wall Sheathing 503.1 & Table 503.1	

### CONCRETE FLOORS (ON GROUND) R506

Yes	No	N/A	Code	Comments
			Thickness; <b>3 1/2"</b> minimum; concrete strength R506.1	
			Vapor retarder R506.2.3	

## WALL CONSTRUCTION Chapter 6

### Wood Construction (R602)

Yes	No	N/A	Code	Comments
			Stud grade R602.2	
			Provide engineering for tall walls in excess of 10' in height and 8' in width. ( USBC 109.3) & Table R602.3(5)	
			Stud spacing, size, and height [Tables 602.3(5) & 602.3.1]	

Wood Construction (R602) Continued

Yes	No	N/A	Code	Comments
			Interior load-bearing walls R602.4	
			Headers Table R502.5(1)-(2), R602.7. & Fig. R602.7.2	
			Cripple walls R602.9 (Walls < 4' )	
			Wall bracing method R602.12	
			Wall bracing amount and location Tab. R602.12	
			Wall bracing length R602.12	
			Brick to Block attachment with structural ladder type tie (R608.1.2.3)	

WALL COVERING Chapter 7

EXTERIOR WALL COVERING

Yes	No	N/A	Code	Comments
			Weep holes (R703.7.6) Max spacing <b>33"</b> , minimum hole dimension <b>3/16"</b> , located immediately above flashing	
			Stone and masonry veneer R703.7 & Fig. R703.7; Steel angle <u>lintels</u> ( <b>4"</b> minimum bearing each end) R703.7.3	

ROOF-CEILING CONSTRUCTION Chapter 8

ROOF FRAMING (R802)

Yes	No	N/A	Code	Comments
			<u>Gutters</u> discharge <b>5'</b> from foundation (R801.3)	
			Rafter tie req. @ 4'o.c.when rafters not parallel to ceiling joist(R802.3.1)	
			Frame of openings in ceiling (ie.stairways) R802.9	
			Wood trusses must be engineered (R802.10)	
			Roof tie-down R802.11 (Uplift Resistance)	

CEILING JOISTS [Tables R802.4(1), R802.4(2)]

Yes	No	N/A	Code	Comments
			Ceiling joist framing plan. (USBC 112.2)	
			Without attic storage <b>LL=10psf</b>	

CEILING JOISTS [Tables R802.4(1), R802.4(2)] Continued

Yes	No	N/A	Code	Comments
			With attic storage <b>LL-20 psf</b>	
			Spacing	
			Species	
			Grade	
			Span	
			Size	

RAFTERS [Tables. R802.5.1(1), R802.5.1(8)]

Yes	No	N/A	Code	Comments
			Roof rafter framing plan. (USBC 112.2)	
			Ground snow load/ <b>LL=20psf</b>	
			Controlling design (LL or snow)	
			Ceiling attached ( <b>Cathedral</b> ) / ceiling not attached <b>(Conventional)</b>	
			Spacing	
			Species	
			Grade	
			Span	
			Size	

ROOF SHEATHING (R803.2)

Yes	No	N/A	Code	Comments
			Allowable spans Table R 803.2 & R503.2.1.1(1) & Table 503.1	

ROOF VENTILATION (R806)

Yes	No	N/A	Code	Comments
			Ventilation requirements (R806.1-R806.2)	

ATTIC ACCESS (R807)

Yes	No	N/A	Code	Comments
			Access requirements R807.1	

### INSULATION CLEARANCE (R808)

Yes	No	N/A	Code	Comments
			Insulation clearance requirements R806.3	

## ROOF ASSEMBLIES Chapter 9

### WEATHER PROTECTION (R903)

Yes	No	N/A	Code	Comments
			Flashing at roof penetrations (R903.2)	
			Coping at parapet walls (on townhouses) (R903.3)	
			Roof drainage- <b>Slope roof or roof drains</b> ( R903.4)	

### REQUIREMENTS FOR ROOF COVERINGS (R905)

Yes	No	N/A	Code	Comments
			Asphalt shingles R905.2	
			Metal roof panels (905.10)	
			Slate & slate style type shingles R905.6	
			Wood shingles R905.7	
			Wood shakes R905.8	

## CHIMNEYS AND FIREPLACES Chapter 10

### MASONRY CHIMNEYS (R1003)

Yes	No	N/A	Code	Comments
			Construction of chimney	
			Corbelling	
			Additional load	
			Termination	
			Chimney clearance	
			Chimney crickets	

### FACTORY-BUILT CHIMNEYS (R1005)

Yes	No	N/A	Code	Comments
			Listed and labeled R1005	

### MASONRY FIREPLACES (R1001)

Yes	No	N/A	Code	Comments
			Construction of fireplace	
			Hearth extension material	
			Hearth extension	
			Fireplace clearance	

### FACTORY-BUILT FIREPLACES (R1004)

Yes	No	N/A	Code	Comments
			Listed and labeled R1004.1	

## ENERGY EFFICIENCY Chapter 11

### INSULATION REQUIREMENTS (TABLE 1101.2 & 1102.1)

Yes	No	N/A	Code	Comments
			Ceiling <b>R-38</b>	
			Floor <b>R-19</b>	
			Walls <b>R-13</b>	
			Basement Wall <b>R-10 if framed R-13</b>	
			Slab Perimeter and Depth <b>R-10 &amp; 2 ft.</b>	
			Crawlspace Walls <b>R-10/R13</b>	
			ResCheck	

## HVAC EQUIPMENT SIZING CHAPTER 14

### SERVICE WATER HEATING (P 2801)

Yes	No	N/A	Code	Comments
			Sizing in accordance with ACCA manual S & J or other approved calculation method (M 1401.3)	

## WATER HEATER CHAPTER 28

### SERVICE WATER HEATING (P 2801)

Yes	No	N/A	Code	Comments
			Water heater required (P 2801.1)	
			Water heater location (P 2801.3)	

## ELECTRICAL CHAPTER 39

### REQUIRED GFCI OUTLETS (E 3901 & 3902)

Yes	No	N/A	Code	Comments
			Kitchen countertop receptacles (E 3901.4) & (E 3902.6)	
			Island receptacle for islands (E 3901.4.2) & (E 3902.6)	
			Bathroom (E 3901.6) & (E 3902.1)	
			Outdoors (E 3901.7) & (E 3902.3)	

## ENGINEER LUMBER

### REQUIREMENTS (USBC 109.3)

Yes	No	N/A	Code	Comments
			All LVL/Micro-Lam's must be accompanied by the manufacturer specifications or engineer calculations.	
			All LVL/Micro-Lam's have a designation that corresponds with the provide layout and/or plans.	

## ENGINEER ROOF TRUSSES

### REQUIREMENTS (USBC 109.3)

Yes	No	N/A	Code	Comments
			Wind Design Standard <b>ASCE 7-05</b>	
			Design Standard <b>ANSI/TPI 1</b>	
			Mechanical Connection for uplift	
			Bottom Chord Live Load	
			Bearing Locations	
			All roof trusses have a designation that corresponds with the provide layout and/or plans.	

## ENGINEER FLOOR TRUSSES/JOISTS

### REQUIREMENTS (USBC 109.3)

Yes	No	N/A	Code	Comments
			Design Standard <b>ANSI/TPI 1</b>	
			Top Chord Live Load <b>(TCLL) 40psf</b>	
			Top Chord Dead Load <b>(TCDL) 10psf</b>	
			Bottom Chord Dead Load <b>(BCDL) 5psf</b>	
			Draft stopping for floor trusses every 1,000 sq. ft. and in equal areas (IRC 502.12)	
			Bearing Location	
			Mechanical Connection for uplift	
			All floor trusses have a designation that corresponds with the provide layout and/or plans.	

## STEEL BEAMS

### REQUIREMENTS (USBC 109.3)

Yes	No	N/A	Code	Comments
			All steel beams must be accompanied by engineer calculations.	
			All steel beams must be identified by size.	

## POINT LOAD AND REACTIONS

### REQUIREMENTS (USBC 109.3)

Yes	No	N/A	Code	Comments
			The location of all point loads and all king posts shall be depicted or shaded and show the load path from it's origin to the foundation and footing.	
			Indicate the number of studs under each end of the steel beam. If more than five studs are required the column must be engineered.	
			Indicate blocking for all engineer products. (ie TJI etc.) in the point load paths.	

# SEWER SYSTEM REQUIREMENTS

## REQUIREMENTS (IRC Chapter 26, IBC Chapter 3 and DEQ)

Yes	No	N/A	Code	Comments
			Forced Main sewer system designed and sealed by P. E.	
			Provide CTC from DEQ	
			Indicate connection for optional generator hook up (if desired)	
			Provide details, notes and elevations for gravity fed sewer line from structure to utility provider	

# ADDITIONS

## REQUIREMENTS

Yes	No	N/A	Code	Comments
			Provide and engineer report to verify the existing footing will	
			Provide an attachment of the new footing to the existing	
			Provide an attachment of the new roof to the existing roof.	
			Provide the existing floor plan adjacent to the addition.	
			Bedrooms shall not constitute the only means of access to	

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William T. "Travis" Luter, Sr.