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| 4430 9th St NW, Washington DC 20011 |
| Homeowner: Brandon Gallas |
| 10/11/2015 |

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10/11/2015

| | | | General | | | | | | | | Below Grade Walls | | | | | | |
|------------------------|------------------------------|----------------------|------------------|-------------------|--------------------------|--------------------------|----------|----------|-------|-----------------|-------------------|----------------|--------------------------|-----------------------------|--------------------|---------------------|---------------------------------|
| | Zone | Room | width ns (ft) | length ew (ft) | height above grade | height below grade | cooling? | heating? | Floor | Appliances? | U-Value | Wall Length | Avg Ceiling Height | Avg Depth Below Grade | Exterior Finish | Interior Framing | Board Insulation R- Value |
| System 1: 1st floor AC | | | | | | | | | | | | | | | | | |
| | Zone 1: First Floor Existing | First Floor Existing | 20 | 36 | 10.1 | 0 | cooling | | | Default Kitchen | | | | | | | |
| | Zone 1: First Floor Existing | First Floor Existing | | | | | | | | | | | | | | | |
| | Zone 1: First Floor Existing | First Floor Existing | | | | | | | | | | | | | | | |
| | Zone 1: Basement | Basement | 20 | 36 | 3.75 | 4 | | heating | 0 | | 0.17 | 76 | 7.75 | 4 | 8-Brick | No | None |
| | Zone 1: Sun Room | Sun Room | 16 | 8 | 10.1 | 0 | cooling | | 1 | | | | | | | | |

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| | | | Windows | | | | | | | | | | | | | | | |
|------------------------|------------------------------|----------------------|--------------------------|---------|------------|-----------|-------------|----------|-------|------|-------|------|----------------|-------------|---------------|----------------|------------------|-------------|
| | Zone | Room | Group ID | U-value | SHGC Value | Override | Area (SqFt) | Override | North | East | South | West | Type of Window | Pane | Insect Screen | Internal Shade | Shade Type | Color/Class |
| System 1: 1st floor AC | | | | | | | | | | | | | | | | | | |
| | Zone 1: First Floor Existing | First Floor Existing | 1 DoubleHung window | 0.5 | 0.76 | on+off+on | NA | on | 45 | 30 | 0 | 0 | Window | Double Pane | Outdoor Half | Internal Shade | 0.5 Roller Shade | Dark |
| | Zone 1: First Floor Existing | First Floor Existing | 2 Window by door | 0.5 | 0.76 | on+off+on | NA | on | 0 | 11 | 0 | 0 | Window | Double Pane | None | None | | |
| | Zone 1: First Floor Existing | First Floor Existing | 3 Deco window with storm | 0.5 | 0.76 | on+off+on | NA | on | 12 | 0 | 0 | 5 | Window | Double Pane | None | None | | |
| | Zone 1: Basement | Basement | 6 Sliding window | 0.5 | 0.76 | on+off+on | NA | on | 18 | 4.5 | 0 | 0 | Window | Double Pane | Outdoor Full | Internal Shade | 0.5 Roller Shade | Dark |
| | Zone 1: Sun Room | Sun Room | 4 Casement window | 0.29 | 0.28 | on+off+on | NA | on | 10 | 0 | 0 | 35 | Window | Double Pane | Indoor Full | Internal Shade | 0.5 Roller Shade | Dark |
| | | | | | | | | | | | | | | | | | | |

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| | | | Floors | | | | | | | | | | |
|------------------------|------------------------------|----------------------|----------|---------------|-----------|------|------------|--|------------|-----------------|------------------|--------------|----------------|
| | Zone | Room | Group ID | U-value | Perimeter | Area | Floor Type | Tightness | Floor Type | Wall Insulation | Floor Insulation | Floor Cover | |
| System 1: 1st floor AC | | | | | | | | | | | | | |
| | Zone 1: First Floor Existing | First Floor Existing | | | | | | | | | | | |
| | Zone 1: First Floor Existing | First Floor Existing | | | | | | | | | | | |
| | Zone 1: First Floor Existing | First Floor Existing | | | | | | | | | | | |
| | Zone 1: Basement | Basement | 2 | Foundation | 0.053 | 112 | 720 | Concrete Slab on grade | NA | Passive | NA | R-0 | Heavy Dry Soil |
| | Zone 1: Sun Room | Sun Room | 1 | Under SunRoom | 0.049 | 48 | 128 | Floor Over Unconditioned Crawl Space or Basement | Sealed | Passive | R-0 | R-19 blanket | Any |
| | | | | | | | | | | | | | |

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| Ductwork | | | | | | | | | | | |
|----------|----------|--------------|------------|------------|------------|-----------------|-----------|---------|--------------------------|-------------|-------------|
| Setup | Location | Roof Surface | Attic Temp | Supply Geo | Return Geo | Outlet Location | Tightness | R-Value | % in Unconditioned Space | Supply Sqft | Return Sqft |

| | | |
|--|------------------------------|----------------------|
| | Zone 1: First Floor Existing | First Floor Existing |
| | Zone 1: First Floor Existing | First Floor Existing |
| | Zone 1: First Floor Existing | First Floor Existing |
| | | |
| | Zone 1: Basement | Basement |
| | | |
| | Zone 1: Sun Room | Sun Room |
| | | |

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| | | | Windows | | | | | | | | | | | | | | | |
|-------------------|---------------------------------------|-------------------------------|--------------------------|---------|------------|-----------|-------------|----------|-------|-------|-------|------|----------------|-------------|---------------|----------------|----------------------------|---------------|
| | Zone | Room | Group ID | U-value | SHGC Value | Override | Area (SqFt) | Override | North | East | South | West | Type of Window | Pane | Insect Screen | Internal Shade | Shade Type | Color/Classes |
| System 2: Heating | | | | | | | | | | | | | | | | | | |
| | Zone 1: First & Second Floor Existing | First & Second Floor Existing | 1 DoubleHung window | 0.5 | 0.76 | on+off+on | NA | on | #REF! | #REF! | 0 | 0 | Window | Double Pane | Outdoor Half | Internal Shade | 0.5 Roller Shade | Dark |
| | Zone 1: First & Second Floor Existing | First & Second Floor Existing | 2 Window by door | 0.5 | 0.76 | on+off+on | NA | on | 0 | 11 | 0 | 0 | Window | Double Pane | None | None | | |
| | Zone 1: First & Second Floor Existing | First & Second Floor Existing | 3 Deco window with storm | 0.5 | 0.76 | on+off+on | NA | on | 12 | 0 | 0 | 5 | Window | Double Pane | None | None | | |
| | Zone 1: Basement | Basement | 6 Sliding window | 0.5 | 0.76 | on+off+on | NA | on | 18 | 4.5 | 0 | 0 | Window | Double Pane | Outdoor Full | Internal Shade | 0.5 Roller Shade | Dark |
| | | | | | | | | | | | | | | | | | | |
| | Zone 2: Third Floor | Third Floor | 5 DoubleHung window | 0.29 | 0.28 | on+off+on | NA | on | 33.75 | 29.25 | 0 | 0 | Window | Double Pane | Outdoor Half | Internal Shade | 0.5 Roller Shade | Dark |
| | Zone 2: Third Floor | Third Floor | 5 French Doors | 0.29 | 0.28 | on+off+on | NA | on | 0 | 0 | 0 | 40.5 | French Door | Double Pane | None | Internal Shade | 0.5 Single Drape Half Open | Average |
| | | | | | | | | | | | | | | | | | | |
| | Zone 3: Sun Room | Sun Room | 7 Casement window | 0.29 | 0.28 | on+off+on | NA | on | 10 | 0 | 0 | 35 | Window | Double Pane | Indoor Full | Internal Shade | 0.5 Roller Shade | Dark |
| | | | | | | | | | | | | | | | | | | |
| | Zone 4: Master Bath | Master Bath | 7 Casement window | 0.29 | 0.28 | on+off+on | NA | on | 0 | 0 | 0 | 52.5 | Window | Double Pane | Indoor Full | Internal Shade | 0.5 Roller Shade | Dark |

Component construction report

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| | | |
| Zone | | Room |

System 2: Heating

| | | | Doors | | | | | | | Ceiling | | | | | | | | | |
|--|---------------------------------------|-------------------------------|-----------------|---------|-----|-------|--------|---------|----------|------------------------|-----------------------|---------|-----|----------------------------------|-------------------|-----------------|---------------|------------|---------|
| | | | Group ID | U-Value | Qty | Width | Height | % Glass | Material | Core | Group ID | U-Value | SF | Ceiling Type | Attic Ventilation | Radiant Barrier | Roof Material | Roof Color | R-Value |
| | Zone 1: First & Second Floor Existing | First & Second Floor Existing | 1 Front Door | 0.39 | 1 | 3 | 7 | 0 | Wood | Solid | | | | | | | | | |
| | Zone 1: First & Second Floor Existing | First & Second Floor Existing | | | | | | | | | | | | | | | | | |
| | Zone 1: First & Second Floor Existing | First & Second Floor Existing | | | | | | | | | | | | | | | | | |
| | Zone 1: Basement | Basement | Basement 3 Door | 0.28 | 1 | 3 | 6.6 | 50 | Wood | Solid with Metal Storm | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | Zone 2: Third Floor | Third Floor | | | | | | | | | 1 3rd Floor | 0.026 | 720 | Ceiling Under Attic or Knee Wall | Vented | No | Membrane | White | R-38 |
| | Zone 2: Third Floor | Third Floor | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | Zone 3: Sun Room | Sun Room | 2 Back Door | 0.28 | 1 | 3 | 8 | 50 | Wood | Solid with Metal Storm | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | Zone 4: Master Bath | Master Bath | | | | | | | | | Master Bath 2 Ceiling | 0.026 | 128 | Ceiling Under Attic or Knee Wall | Unvented | No | Any | Any | R-38 |

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| Ductwork | | | | | | | | | | | |
|----------|----------|--------------|------------|------------|------------|-----------------|-----------|---------|--------------------------|-------------|-------------|
| Setup | Location | Roof Surface | Attic Temp | Supply Geo | Return Geo | Outlet Location | Tightness | R-Value | % in Unconditioned Space | Supply Sqft | Return Sqft |

| | | |
|--|---------------------------------------|-------------------------------|
| | Zone 1: First & Second Floor Existing | First & Second Floor Existing |
| | Zone 1: First & Second Floor Existing | First & Second Floor Existing |
| | Zone 1: First & Second Floor Existing | First & Second Floor Existing |
| | | |
| | Zone 1: Basement | Basement |
| | | |
| | | |
| | Zone 2: Third Floor | Third Floor |
| | | |
| | | |
| | Zone 2: Third Floor | Third Floor |
| | | |
| | | |
| | Zone 3: Sun Room | Sun Room |
| | | |
| | | |
| | Zone 4: Master Bath | Master Bath |
| | | |

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| Component construction report | | | | | | | | | | | | | | | | | | |
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| | | | Windows | | | | | | | | | | | | | | | |
| | Zone | Room | Group ID | U-value | SHGC Value | Override | Area (SqFt) | Override | North | East | South | West | Type of Window | Pane | Insect Screen | Internal Shade | Shade Type | Color/Classes |
| System 3: Second & Third Floor AC | | | | | | | | | | | | | | | | | | |
| | Zone 1: Second Floor Existing | Second Floor Existing | 1 DoubleHung window | 0.5 | 0.76 | on+off+on | NA | on | 60 | 51 | 0 | 0 | Window | Double Pane | Outdoor Half | Internal Shade | 0.5 Roller Shade | Dark |
| | Zone 1: Master Bath | Master Bath | 7 Casement window | 0.29 | 0.28 | on+off+on | NA | on | 0 | 0 | 0 | 52.5 | Window | Double Pane | Indoor Full | Internal Shade | 0.5 Roller Shade | Dark |
| | Zone 1: Third Floor | Third Floor | 5 DoubleHung window | 0.29 | 0.28 | on+off+on | NA | on | 33.75 | 29.25 | 0 | 0 | Window | Double Pane | Outdoor Half | Internal Shade | 0.5 Roller Shade | Dark |
| | Zone 1: Third Floor | Third Floor | 5 French Doors | 0.29 | 0.28 | on+off+on | NA | on | 0 | 0 | 0 | 40.5 | French Door | Double Pane | None | Internal Shade | 0.5 Single Drape Half Open | Average |

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