

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
[Bldg. Use 1 - 26 ROOM ADDITION] Window 1 copy 5: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 4: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 3: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 2: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 1: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 18 Metal Frame Curtain Wall/Storefront, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	151	---	---	0.368	0.700
Door 1: Glass (1-50% glazing) Metal Frame, Entrance Door, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	29	---	---	0.368	1.100
Roof 1: Slope Roof with Steel Joists, [Bldg. Use 1 - 26 ROOM ADDITION]	19518	0.0	38.0	0.095	0.057
Wall 1: Slope On-Graze Unheated, Horizontal with vertical 2.5', [Bldg. Use 1 - 26 ROOM ADDITION] (c)	772	---	0.0	0.730	0.730
Exterior Wall 1: Steel-Framed, 24" o.c., [Bldg. Use 1 - 26 ROOM ADDITION]	1709	19.0	0.0	0.094	0.124
Window 1 copy 5: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 4: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 3: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 2: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 1: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 18 Metal Frame Curtain Wall/Storefront, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	30	---	---	0.368	0.700
Door 1: Glass (1-50% glazing) Metal Frame, Entrance Door, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	29	---	---	0.368	1.100
Door 1 copy 1: Glass (1-50% glazing) Metal Frame, Entrance Door, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	29	---	---	0.368	1.100

Project Title: Pruitt Savannah Addition  
 Data filename: P:\Doc\180017 Pruitt Savannah Addition 2010\Report\Docs\COM CHECK.cck  
 Report date: 05/06/19  
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**Envelope Compliance Statement**

Compliance Statement: The proposed envelope design represented in this document is consistent with the building code specifications, and other calculations submitted with this permit application. This proposed envelope systems have been designed to meet the 2015 International Building Code requirements in COMcheck Version 4.0.8.2 and to comply with any applicable boundary requirements listed in the Inspection Checklist.

Name	Title	Signature	Date

Project Title: Pruitt Savannah Addition  
 Data filename: P:\Doc\180017 Pruitt Savannah Addition 2010\Report\Docs\COM CHECK.cck  
 Report date: 05/06/19  
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**COMcheck Software Version 4.0.8.2  
 Envelope Compliance Certificate**

**Project Information**  
 Energy Code: 2015 (2007) Standard  
 Project Year: Pruitt Savannah Addition  
 Location: Savannah, Georgia  
 Climate Zone: 2a  
 Project Type: Addition  
 Vertical Glazing %/Area: 40%

**Construction Site:** 12825 White Bluff Road, Savannah, GA 31419  
**Owner/Agent:** Mc Life Facilities, Pruitt Health  
**Designer/Contractor:** Tim Kormaskie, AIA, NCARB, 1030 Washington Street, Raleigh, NC 27602, 919-846-1600, tim@architectskt.com

**Building Area:** 1-26 ROOM ADDITION (Health Care-Clinic) - Nonresidential  
**Floor Area:** 16558

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof 1: Slope Roof with Steel Joists, [Bldg. Use 1 - 26 ROOM ADDITION]	19518	0.0	38.0	0.095	0.057
Wall 1: Slope On-Graze Unheated, Horizontal with vertical 2.5', [Bldg. Use 1 - 26 ROOM ADDITION] (c)	772	---	0.0	0.730	0.730
Exterior Wall 1: Steel-Framed, 24" o.c., [Bldg. Use 1 - 26 ROOM ADDITION]	1709	19.0	0.0	0.094	0.124
Window 1 copy 5: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 4: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 3: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 2: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 1: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 18 Metal Frame Curtain Wall/Storefront, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	30	---	---	0.368	0.700
Door 1: Glass (1-50% glazing) Metal Frame, Entrance Door, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	29	---	---	0.368	1.100
Door 1 copy 1: Glass (1-50% glazing) Metal Frame, Entrance Door, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	29	---	---	0.368	1.100

Project Title: Pruitt Savannah Addition  
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Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
[Bldg. Use 1 - 26 ROOM ADDITION] Window 1 copy 5: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 4: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 3: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 2: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 1: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 18 Metal Frame Curtain Wall/Storefront, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	30	---	---	0.368	0.700
Door 1: Glass (1-50% glazing) Metal Frame, Entrance Door, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	29	---	---	0.368	1.100
Door 1 copy 1: Glass (1-50% glazing) Metal Frame, Entrance Door, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	29	---	---	0.368	1.100
Exterior Wall 1 copy 2: Steel-Framed, 24" o.c., [Bldg. Use 1 - 26 ROOM ADDITION]	1709	19.0	0.0	0.094	0.124
Window 18 copy 2: Metal Frame Curtain Wall/Storefront, Part: Spcra, Product ID FA-KAW-8803, SHGC 0.34, PF 1.27, VT 0.62, [Bldg. Use 1 - 26 ROOM ADDITION] (b)	195	---	---	0.368	0.700
Window 1 copy 5: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 4: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 3: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 2: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750
Window 1 copy 1: Vinyl/Rheglass Frame, Perf. Type: Energy code default, Double Pane with Low-E, Clear, SHGC 0.59, PF 0.26, VT 0.64, [Bldg. Use 1 - 26 ROOM ADDITION]	32	---	---	0.600	0.750

Project Title: Pruitt Savannah Addition  
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**MEANS OF EGRESS CONTINUED:**

**Egress Capacity (NFPA Table 7.3.3.1):**  
**Required egress capacity:** 0.2 inches per person x 957 persons = 195 in.  
**Actual Egress Capacity:** 752 inches or 3.760 persons

**Number of Exits Required (NFPA 7.4.1.2):**  
**Building area 1:**  
 Required: 3 exits  
**Number of Exits Provided:** 6 exits  
**Building area 2:**  
 Required: 3 exits  
**Number of Exits Provided:** 7 exits

**Maximum Travel Distance (NFPA 101 18.2.6.2.1):** 200'  
**Actual Travel Distance:** 174'-4"

**Maximum Common Path (NFPA 101 18.2.5.3):** 100'  
**Actual Common Path:** <25'

**Maximum Dead End (NFPA 101 18.2.5.2):** 30'  
**Actual Dead End:** 20'

**Separation of Exits Required (NFPA 101 7.5.4.2):**  
 Building area 1:  
 1/2 Diagonal distance: 343'-10" x 1/2 = 171'-11" required  
**Separation of Exits Provided:** 237'-10"

**Building area 2:**  
 1/2 Diagonal distance: 697'-10" x 1/2 = 348'-11" required  
**Separation of Exits Provided:** 420'-8"

**Panic Hardware Required:** Provided on all exit doors (Existing to Remain)

**BUILDING CODE SUMMARY**  
 (REFERENCE LIFE SAFETY PLANS SHEETS LS1)

**GENERAL DESCRIPTION**  
 PruittHealth SAVANNAH  
 12825 White Bluff Road  
 Savannah, GA 31419  
**Scope of Work:**  
 Renovation/Addition

**\*Applicable Codes:**  
 2012 NFPA 101  
 2012 International Fire Code  
 2012 International Building Code  
 2012 International Mechanical Code  
 2012 International Plumbing Code  
 2011 National Electrical Code  
 Chapter 120-3-20, GA Accessibility Code / 2010 ADA Standards  
 \*with Chapter 120-3-3 and Georgia DCA Amendments

**Occupancy Classification:**  
 Health Care Occupancy (NFPA 101)

**Minimum Construction:**  
 Type IIB  
 Fire Sprinkler System Required: YES  
 Fire Alarm System Required: YES

**HEIGHT AND AREA LIMITATIONS**  
**Actual Building Area:**  
 Ground floor: 16,558 sq ft (Existing)  
 Ground floor: 16,558 sq ft (New)  
**Total floor: 72,611 sq ft**

**Maximum Allowable Building Area: 100,980 sq ft**  
**Building area 1:**  
 Actual Area: 49,781  
 Allowable Area: **50,380 sq ft**  
 Allowable Building Area (per table 503 2012 IBC): **11,000 sq ft**  
 Area for sprinkler increase (200%): **33,000 sq ft**  
 Area increase based on frontage: **6,380 sq ft**  
 $F(922 ft)/P(1.066 ft) = .86$        $W=28.75$   
 $100[(922/1.066) - 25] \times 28.75/30 = 58\%$  increase  
 $11,000 \times .58 = 6,380$  sq ft increase

**Building area 2:**  
 Actual Area: 22,108  
 Allowable Area: **50,600 sq ft**  
 Allowable Building Area (per table 503 2012 IBC): **11,000 sq ft**  
 Area for sprinkler increase (200%): **33,000 sq ft**  
 Area increase based on frontage: **6,600 sq ft**  
 $F(1,748)/P(2.026) = .863$        $W=29.5$   
 $100[(1,748/2.026) - 25] \times 29.5/30 = 60\%$  increase  
 $11,000 \times .60 = 6,600$  sq ft increase

Allowable Building Height: 55 ft (75' with sprinkler system)  
 Actual Building Height: 28'-0" ft

Allowable # of Stories: 1  
 Actual Number of Stories: 1

**STRUCTURAL FIRE RESISTANCE**  
 Construction Type: Type IIB  
 Structural Frame: 0 hours  
 Bearing Walls exterior/interior: 0 hours  
 Non-Bearing Walls exterior/interior: 0 hours  
 Floor Construction: 0 hours  
 Roof Construction: 0 hours

**FIRE RESISTANCE RATED WALLS & SMOKE PARTITIONS**  
 REFERENCE LIFE SAFETY PLAN SHEET LS1 FOR WALL LEGEND AND RATED WALL LOCATIONS

**MEANS OF EGRESS**  
 Occupant Load Calculations per NFPA 101 Table 7.3.1.2  
 Occupant Load Factors:  
 Occupant load/ sq ft (NFPA 101): Assembly: 15 sf/occupant  
 Occupant load/ sq ft (NFPA 101): Storage: 300 sf/occupant  
 Occupant load/ sq ft (NFPA 101): Business: 100 sf/occupant  
 Health Care Use:  
 Occupant load/ sq ft (NFPA 101): Inpatient Treatment Areas: 240 sf/occupant  
 Occupant load/ sq ft (NFPA 101): Sleeping Departments: 120sf/occupant

**Occupant load by floor:**  
**Ground floor**  
 Storage (950 sq ft.) occupancy: 4  
 Business (8,192 sq ft.) occupancy: 84  
 Assembly (6,201 sq ft.) occupancy: 415  
 Health Care Occupancy: N/A  
 Inpatient Treatment Areas (5,623) occupancy: 24  
 Sleeping Departments (37,554) occupancy: 304  
 Courtyard (Treatment): (8,491) occupancy: 36

**Gross total area: 72,611 sq. ft.**  
**Occupant Sq. Ft. 67,426 sq. ft.**  
**Circulation Sq. Ft. : 5,185 sq. ft.**

**Total occupant load - 867 PEOPLE**

ARCHITECT  
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Timothy Kurmaskie  
 Registered Architect  
 License No. 10000  
 State of Georgia

ALTERATION & ADDITION TO:  
**PruittHealth Savannah**  
 12825 WHITE BLUFF ROAD  
 SAVANNAH, GA 31419

Project Reference Numbers  
 Architects Project No. 180017

Drawn By: NKWMB

**REVISIONS**

DATES	
PHASE	ISSUED
PERMIT SET	04/12/2019

BUILDING CODE SUMMARY & UL DETAILS

SHEET NUMBER  
**CS2**