

# U.S. Department of Energy



## Facilities Information Management System



### Replacement Plant Value (RPV) Model Descriptions



February 3, 2025



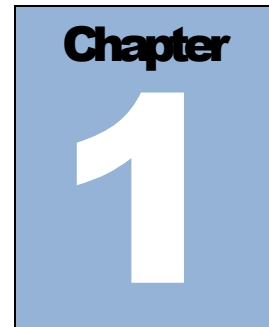
# Summary of Changes Page

The following information is being used to control and track modifications made to this document. All updates are made by the FIMS Support team.

Date	FIMS Release Version	Summary of Changes
3/21/2024	1.0	Initial release
02/03/2025	4.9	Updated to include new 2025 RPV Models

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# 1. RPV Models Categorized By Use

## **Introduction**

The following sections describe models that can be used as a basis for developing Replacement Plant Value (RPV) cost estimates for real property assets included in the Facilities Information Management System (FIMS). The models utilize a Unifomat II organizational structure and are built with groups of Assemblies which include components of specific building types that are quantified by mathematical algorithms.

While using these models within the FIMS application, FIMS provides the flexibility to customize the No of Floors, Perimeter, Floor Height, Wall/Framing Type, Basement and RPV Factor for each model selected. Within the Condition Assessment Information System (CAIS), these models can be further customized down to the component level. This customization can be utilized to develop more refined RPV values or build stand-alone construction cost estimates.

This document organizes these models into specific usage categories. For each model, the document provides a brief description and the default parameters used in the development of the model. The FIMS/CAIS Helpdesk can provide a Unifomat II summary breakdown of each model. In addition, CAIS can provide a comprehensive list of all Assembly line items included in each model.

## Chapter

## 2

## 2. Hospital

RPV Model	RPV Model Name	RPV Model Description						
E14	Medical Facility/Clinic	<div>This model should be applied to all medical clinic and diagnostic type facilities and uses. The model is based on a 1-story building with 7,000 square feet of floor area. The structure is masonry bearing wall with steel joists, with brick veneer and CMU backup exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</div> <table><tr><td>Perimeter (LF): 380</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 7,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 380	Location: National Average	Gross Sqft: 7,000	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 380	Location: National Average							
Gross Sqft: 7,000	Floor Height (LF): 10							
No of Floors: 1								
N452	Medical Clinic, 2 Story, 2,000 SF to 50,000 SF	<div>This model should be applied to a Medical Clinic, 2 Story, 2,000 SF to 50,000 SF. The model is based on a 2-story building with 26500.00 square feet of floor area. The structure is Brick Veneer metal stud / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 504</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 26500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 504	Location: National Average	Gross Sqft: 26500	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 504	Location: National Average							
Gross Sqft: 26500	Floor Height (LF): 12							
No of Floors: 2								
N453	Medical Clinic 1 Story 2,000 SF to 30,000 SF	<div>This model should be applied to a Medical Clinic, 1 Story, 2,000 SF to 30,000 SF. The model is based on a 1-story building with 20000.00 square feet of floor area. The structure is EIFS and Steel Studs / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 619</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 619	Location: National Average	Gross Sqft: 20000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 619	Location: National Average							
Gross Sqft: 20000	Floor Height (LF): 12							
No of Floors: 1								

## Chapter

## 3

# 3. Housing

RPV Model	RPV Model Name	RPV Model Description						
E01	Housing – Small	<p>This model should be applied to small residential uses such as a house or small apartment. The model is based on a small 3-story apartment building with 8,000 square feet of floor area. The structure is light wood frame, with vinyl siding exterior, asphalt shingle roof, and packaged HVAC units.</p> <table><tr><td>Perimeter (LF): 213</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 8,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 213	Location: National Average	Gross Sqft: 8,000	Floor Height (LF): 10	No of Floors: 3	
Perimeter (LF): 213	Location: National Average							
Gross Sqft: 8,000	Floor Height (LF): 10							
No of Floors: 3								
E02	Housing – Large	<p>This model should be applied to large residential uses such as a large apartments and dormitories. The model is based on a large 6-story apartment building with 45,000 square feet of floor area. The structure is light steel frame, with brick veneer exterior, built-up membrane roof, and packaged HVAC units.</p> <table><tr><td>Perimeter (LF): 400</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 45,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 6</td><td></td></tr></table>	Perimeter (LF): 400	Location: National Average	Gross Sqft: 45,000	Floor Height (LF): 10	No of Floors: 6	
Perimeter (LF): 400	Location: National Average							
Gross Sqft: 45,000	Floor Height (LF): 10							
No of Floors: 6								
E31	College, Dormitory, 2-3 Story	<p>This model should be applied to residential use as dormitories. The model is based on a 3-story building with 25,000 square feet of floor area and 12' story height. The structure is face brick with concrete block backup with a rigid concrete frame and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 400</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 25,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 400	Location: National Average	Gross Sqft: 25,000	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 400	Location: National Average							
Gross Sqft: 25,000	Floor Height (LF): 12							
No of Floors: 3								

RPV Model	RPV Model Name	RPV Model Description						
E33	Lodge/Guest House	<p>This model should be applied to residential use as a lodge or guest houses. The model is based on a 2-story building with 10,000 square feet of floor area and 10' story height. The structure is a wood frame with cedar beveled siding.</p> <table><tr><td>Perimeter (LF): 300</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 10,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 300	Location: National Average	Gross Sqft: 10,000	Floor Height (LF): 10	No of Floors: 2	
Perimeter (LF): 300	Location: National Average							
Gross Sqft: 10,000	Floor Height (LF): 10							
No of Floors: 2								
E34	Apartment 1-3 Story	<p>This model should be applied to residential use as small apartment building. The model is based on a 3-story building with 22,500 square feet of floor area and 10' story height. The structure is face brick with concrete block back-up with steel joists and chilled water, air cooled condenser system.</p> <table><tr><td>Perimeter (LF): 400</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 22,500</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 400	Location: National Average	Gross Sqft: 22,500	Floor Height (LF): 10	No of Floors: 3	
Perimeter (LF): 400	Location: National Average							
Gross Sqft: 22,500	Floor Height (LF): 10							
No of Floors: 3								
E35	Apartment 4-7 Story	<p>This model should be applied to residential use as a medium apartment building. The model is based on a 6-story building with 60,000 square feet of floor area and 10'-4" story height. The structure is face brick with concrete block back-up with steel joists and chilled water, air cooled condenser system.</p> <table><tr><td>Perimeter (LF): 500</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 60,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 6</td><td></td></tr></table>	Perimeter (LF): 500	Location: National Average	Gross Sqft: 60,000	Floor Height (LF): 10	No of Floors: 6	
Perimeter (LF): 500	Location: National Average							
Gross Sqft: 60,000	Floor Height (LF): 10							
No of Floors: 6								
E37	Hotel 4-7 Story	<p>This model should be applied for use as a small hotel or similar facility. The model is based on a 6-story building with 135,000 square feet of floor area and 10' story height. The structure is face brick with concrete block back-up and a steel frame and oil-fired hot water boiler, wall fin Radiation and chilled water fan coiled units.</p> <table><tr><td>Perimeter (LF): 500</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 60,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 6</td><td></td></tr></table>	Perimeter (LF): 500	Location: National Average	Gross Sqft: 60,000	Floor Height (LF): 10	No of Floors: 6	
Perimeter (LF): 500	Location: National Average							
Gross Sqft: 60,000	Floor Height (LF): 10							
No of Floors: 6								
N175	Dorm Barracks 1,000 SF to 15,000 SF	<p>This model should be applied to a Dorm Barracks 1,000 SF to 15,000 SF. The model is based on a 1-story building with 3200 square feet of floor area. The structure is Concrete Block / Steel joist, metal deck.</p> <table><tr><td>Perimeter (LF): 273</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 3200</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 273	Location: National Average	Gross Sqft: 3200	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 273	Location: National Average							
Gross Sqft: 3200	Floor Height (LF): 10							
No of Floors: 1								



**Replacement Plant Value (RPV) Model Descriptions**

RPV Model	RPV Model Name	RPV Model Description						
N176	Dorm Barracks 2 Story 4,000 SF to 20,000 SF	This model should be applied to a Dorm Barracks 2 Story 4,000 SF to 20,000 SF. The model is based on a 2-story building with 16000 square feet of floor area. The structure is Concrete Block / Steel joist, metal deck.						
		<table><tr><td>Perimeter (LF): 593</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 16,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 593	Location: National Average	Gross Sqft: 16,000	Floor Height (LF): 10	No of Floors: 2	
		Perimeter (LF): 593	Location: National Average					
		Gross Sqft: 16,000	Floor Height (LF): 10					
No of Floors: 2								

## Chapter

## 4

## 4. Industrial

RPV Model	RPV Model Name	RPV Model Description						
N05	Explosives, Handling	<p>This model should be applied to all explosive handling type facilities with blowout design features. The model is based on a 1-story building with 5,000 square feet of floor area. The structure is cast-in-place concrete, with cast-in-place concrete exterior, metal blowout roof, and unit heaters and packaged AC units.</p> <table><tr><td>Perimeter (LF): 300</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 5,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 300	Location: National Average	Gross Sqft: 5,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 300	Location: National Average							
Gross Sqft: 5,000	Floor Height (LF): 14							
No of Floors: 1								
N16	Process Building with Pool	<p>This model should be applied to all process facilities with cooling ponds for roof storage. The model is based on a 1-story building with 125,000 square feet of floor area. The structure is cast-in-place concrete, with brick veneer with CMU backup exterior, built-up membrane roof, and a boiler/chiller mechanical system.</p> <table><tr><td>Perimeter (LF): 1,650</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 125,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1,650	Location: National Average	Gross Sqft: 125,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 1,650	Location: National Average							
Gross Sqft: 125,000	Floor Height (LF): 14							
No of Floors: 1								
N17	Process Building – Small	<p>This model should be applied to all manufacturing and factory type facilities in the size range less than 250,000SF. The model is based on a 1-story building with 250,000 square feet of floor area. The structure is tilt-up concrete, with tilt-up concrete exterior, built-up membrane roof, and a boiler/chiller mechanical system.</p> <table><tr><td>Perimeter (LF): 2,900</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 250,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 2,900	Location: National Average	Gross Sqft: 250,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 2,900	Location: National Average							
Gross Sqft: 250,000	Floor Height (LF): 14							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N18	Process Building – Large	<p>This model should be applied to all manufacturing and factory type facilities in the size range of 250,000-750,000SF. The model is based on a 1-story building with 750,000 square feet of floor area. The structure is tilt-up concrete, with tilt-up concrete exterior, built-up membrane roof, and a boiler/chiller mechanical system.</p> <table><tr><td>Perimeter (LF): 4,550</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 750,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 4,550	Location: National Average	Gross Sqft: 750,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 4,550	Location: National Average							
Gross Sqft: 750,000	Floor Height (LF): 14							
No of Floors: 1								
N35	Pump Station	<p>This model should be applied to an 8.1 MGD pump station. The pump station's intakes water from a reservoir and transfers to a municipal system. The model is based on a 2-story building with 3024 square feet of floor area. The first story is constructed of thickened concrete walls and slabs that support the intake and pump room. The second floor is enclosed in a prefabricated steel building. The second floor supports mechanical &amp; electrical equipment along with an office and support areas.</p> <table><tr><td>Perimeter (LF): 220</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 3,024</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 220	Location: National Average	Gross Sqft: 3,024	Floor Height (LF): 20	No of Floors: 2	
Perimeter (LF): 220	Location: National Average							
Gross Sqft: 3,024	Floor Height (LF): 20							
No of Floors: 2								
N36	Special Nuclear Materials Component Facility	<p>The Special Nuclear Materials Component Staging Facility is a 47,987 GSF cast-in-place concrete building. The perimeter is 1,041 LF and the height varies from 27ft to 11ft. There is a partial first floor of 10,300 SF. The majority of the exterior wall is 24" thick but there is a small area where it is 40" thick. The interior partitions are a mix of CIP and drywall. The foundation is a 1'-3" concrete mat foundation. There is a low entrance link building comprised of industrial type siding and metal roofing (there is also a PH with the same construction). The finishes are a combination of exposed structure and ACT ceilings with resinous flooring and acoustical wall panels. Heat is brought into the building by existing HP steam service. There are 11AHU's, two packaged dehumidifiers, 11 FCU's and a 130 Ton reciprocating chiller. The building is fully sprinkled.</p> <table><tr><td>Perimeter (LF): 1,041</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 47,987</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1,041	Location: National Average	Gross Sqft: 47,987	Floor Height (LF): 20	No of Floors: 1	
Perimeter (LF): 1,041	Location: National Average							
Gross Sqft: 47,987	Floor Height (LF): 20							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N37	Assembly Cell	<p>This facility comprises of a central single story 27ft wide corridor &amp; storage "spine" constructed with 12" thick reinforced concrete retaining walls with counterforts and a steel roof deck with steel beam supports. Attached to this spine (two from the North and two from the south) are four single story reinforced concrete circular assembly cells each with a centenary roof beneath approximately 20ft of fill. The cells have blast resistant entry doors. Each assembly cell contains the following reinforced concrete below gRadiatione support spaces; Mech room; tooling staging; SNM staging; corridor; inert parts staging; equipment airlock; personnel corridor. At each end of the spine is a prefabricated building with insulated metal siding approximately 58ft long x 40ft wide containing the main mechanical and electrical rooms and an entrance ramp also constructed from a prefabricated structure approximately 56ft x 17ft.</p> <table><tr><td>Perimeter (LF): 2,575</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 36,604</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 2,575	Location: National Average	Gross Sqft: 36,604	Floor Height (LF): 18	No of Floors: 1	
Perimeter (LF): 2,575	Location: National Average							
Gross Sqft: 36,604	Floor Height (LF): 18							
No of Floors: 1								
N38	High Explosives Subassembly	<p>Single story complex comprising a central reinforced blast-proof concrete core containing 15 assembly bays and one vacuum chamber which are separated by a blast proof sand filled containment area. The central core is buried under compacted earth fill with erosion control. This central core is ringed by a 16 ft wide service corridor constructed from structural steel framing with a metal panel exterior closure &amp; roofing system. The steel frame is specially reinforced at the entrance of each assembly bay to form a fragment shield. The entire structure is constructed off a nmat foundation. The facility is entered by a prefabricated ramp building.</p> <table><tr><td>Perimeter (LF): 1,521</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 90,222</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1,521	Location: National Average	Gross Sqft: 90,222	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 1,521	Location: National Average							
Gross Sqft: 90,222	Floor Height (LF): 16							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N39	High Explosives Machining Facility	<p>The HE Machining facility is a 49,600 GSF single story facility. The building is divided into the HE Machining facility (23,500 GSF) and the adjacent support area (26,100 GSF). The HE machining facility is comprised of eleven 600 SF lathe/milling rooms and one large equipment room. All the HE rooms are constructed of blast resistant concrete walls &amp; slabs. The rooms are separated from a HE corridor by blast resistant CIP concrete vestibules and blast resistant doors. Each lathe/milling room contains an exterior door protected with blast resistant exit mazes. The HE machining facility is constructed on a 48" thick mat slab. Support areas and HE corridor are on a 6" slab. The HE corridor has a precast slab and beams. Support spaces are constructed of a CIP concrete deck with rib joists and concrete columns supported on caissons. The roof is a flat EPDM roof, and the exteriors are EIFS finish on reinforced CIP concrete walls. Each lathe/milling room contains a full height removable access panel. Interior partitions are CMU or GWB partitions in the support areas and are blast resistant CIP concrete in the HE facility. There is 6,557 GSF prefab ramp building with metal siding and roofing.</p> <table><tr><td>Perimeter (LF): 1,033</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 49,600</td><td>Floor Height (LF): 30</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1,033	Location: National Average	Gross Sqft: 49,600	Floor Height (LF): 30	No of Floors: 1	
Perimeter (LF): 1,033	Location: National Average							
Gross Sqft: 49,600	Floor Height (LF): 30							
No of Floors: 1								
N40	Chilled Water Plant – 9,000T Centrifugal	<p>Plants used to produce centralized chilled water for installation-wide industrial processes or personal comfort cooling. The design of this model is based on a 9,000 Ton centrifugal chiller plant made up of 6-1500 Ton centrifugal chillers. The model is a 10,000 square foot 1 story building. The structure is steel frame, metal sandwiched exterior, with a metal roof.</p> <table><tr><td>Perimeter (LF): 450</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 10,000</td><td>Floor Height (LF): 42</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 450	Location: National Average	Gross Sqft: 10,000	Floor Height (LF): 42	No of Floors: 1	
Perimeter (LF): 450	Location: National Average							
Gross Sqft: 10,000	Floor Height (LF): 42							
No of Floors: 1								
N41	Chilled Water Plant – 9,960T Absorption	<p>Plants used to produce centralized chilled water for installation-wide industrial processes or personal comfort cooling. The design of this model is based on a 9,960 Ton steam absorption chiller plant made up of 6-1660 Ton steam absorption chillers. The model is a 10,000 square foot 1 story building. The structure is steel frame, metal sandwiched exterior, with a metal roof.</p> <table><tr><td>Perimeter (LF): 450</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 10,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 450	Location: National Average	Gross Sqft: 10,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 450	Location: National Average							
Gross Sqft: 10,000	Floor Height (LF): 14							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N42	Building Steam Power Plant	<p>This model is a base design/shell structure for either a gas or oil-fired steam plant. The model is a 4 story, 74,050 steel frame structure with metal siding. The basis of the shell is the N7 Height Bay facility. The user must add the appropriate number and size of the boilers to complete the design of the steam generating facility.</p> <table><tr><td>Perimeter (LF): 700</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 74,050</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 700	Location: National Average	Gross Sqft: 74,050	Floor Height (LF): 18	No of Floors: 4	
Perimeter (LF): 700	Location: National Average							
Gross Sqft: 74,050	Floor Height (LF): 18							
No of Floors: 4								
N43	Steam Plant – Coal	<p>Coal-fired boilers used to produce steam or high temperature water for installation-wide distribution for industrial or personal comfort purposes. The model is a 4 story, 74,050 steel frame structure with metal siding. The basis of the shell is the N7 Height Bay facility. The model includes 250,000 Lb/Hr boilers, coal handling systems, chemical treatment systems and all necessary controls and instrumentation.</p> <table><tr><td>Perimeter (LF): 700</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 74,050</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 700	Location: National Average	Gross Sqft: 74,050	Floor Height (LF): 18	No of Floors: 4	
Perimeter (LF): 700	Location: National Average							
Gross Sqft: 74,050	Floor Height (LF): 18							
No of Floors: 4								
N44	Steam Plant – Gas	<p>Gas-fired boilers used to produce steam or high temperature water for installation-wide distribution for industrial or personal comfort purposes. The model is a 4 story 74,050, steel frame structure with metal siding. The basis of the shell is the N7 Height Bay facility. The model includes 250,000 Lb/Hr boilers, gas piping systems, chemical treatment systems and all necessary controls and instrumentation.</p> <table><tr><td>Perimeter (LF): 700</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 74,050</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 700	Location: National Average	Gross Sqft: 74,050	Floor Height (LF): 18	No of Floors: 4	
Perimeter (LF): 700	Location: National Average							
Gross Sqft: 74,050	Floor Height (LF): 18							
No of Floors: 4								
N45	Steam Plant – Oil	<p>Oil-fired boilers used to produce steam or high temperature water for installation-wide distribution for industrial or personal comfort purposes. The model is a 4 story, 74,050 steel frame structure with metal siding. The basis of the shell is the N7 Height Bay facility. The model includes 250,000 Lb/Hr boilers, oil storage tanks, chemical treatment systems and all necessary controls and instrumentation.</p> <table><tr><td>Perimeter (LF): 700</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 74,050</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 700	Location: National Average	Gross Sqft: 74,050	Floor Height (LF): 18	No of Floors: 4	
Perimeter (LF): 700	Location: National Average							
Gross Sqft: 74,050	Floor Height (LF): 18							
No of Floors: 4								

RPV Model	RPV Model Name	RPV Model Description						
N46	Building Sewage Treatment Plant	<p>This model is a generic design plant shell that can be used for primary, secondary, and tertiary sewage treatment. The model must be modified to include the appropriate treatment equipment and building square footage, perimeter, and story height. The model is a 1 story structure with metal siding.</p> <table><tr><td>Perimeter (LF): 1,150</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 75,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1,150	Location: National Average	Gross Sqft: 75,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 1,150	Location: National Average							
Gross Sqft: 75,000	Floor Height (LF): 14							
No of Floors: 1								
N64	Lift Station Small	<p>This model should be applied to pre-engineered lift station, operating at no more than 75 GPM.</p> <table><tr><td>Perimeter (LF): 36</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 80</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 36	Location: National Average	Gross Sqft: 80	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 36	Location: National Average							
Gross Sqft: 80	Floor Height (LF): 14							
No of Floors: 1								
N65	Lift Station Large	<p>This model should be applied to pre-engineered lift station, operating at no more than 100 GPM.</p> <table><tr><td>Perimeter (LF): 44</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 120</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 44	Location: National Average	Gross Sqft: 120	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 44	Location: National Average							
Gross Sqft: 120	Floor Height (LF): 14							
No of Floors: 1								
N66	Substation Small	<p>This model should be applied to a substation with 500 kVa transformer.</p> <table><tr><td>Perimeter (LF): 120</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 840</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 120	Location: National Average	Gross Sqft: 840	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 120	Location: National Average							
Gross Sqft: 840	Floor Height (LF): 8							
No of Floors: 1								
N67	Substation Large	<p>This model should be applied to a substation with 1,000 kVa transformer.</p> <table><tr><td>Perimeter (LF): 240</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,680</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 240	Location: National Average	Gross Sqft: 1,680	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 240	Location: National Average							
Gross Sqft: 1,680	Floor Height (LF): 8							
No of Floors: 1								
N74	Tunnel Nevada Drift	<p>This model should be applied to tunnel and drifts. The model is based on a 220,000 square feet of floor area. The structure is reinforced concrete. Ventilation provided via shaft and elevator system.</p> <table><tr><td>Perimeter (LF): 20,044</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 220,000</td><td>Floor Height (LF): 17</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 20,044	Location: National Average	Gross Sqft: 220,000	Floor Height (LF): 17	No of Floors: 1	
Perimeter (LF): 20,044	Location: National Average							
Gross Sqft: 220,000	Floor Height (LF): 17							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N88	High Security Nuclear Facility	<p>This model should be applied to High Security Facilities. The model is based upon a 3-story structure that has 92,500 square feet of floor area. The structure is steel reinforced concrete with multiple exterior closure types.</p> <table><tr><td>Perimeter (LF): 702</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 92,500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 702	Location: National Average	Gross Sqft: 92,500	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 702	Location: National Average							
Gross Sqft: 92,500	Floor Height (LF): 12							
No of Floors: 3								
N98	Utility Building	<p>This model should be applied to a utility building less than 40,000 SF. The model is based on a 1-story building with 20,000 square feet of floor area. The structure has metal siding with metal framing. This model does not include any equipment.</p> <table><tr><td>Perimeter (LF): 330</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 330	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 18	No of Floors: 4	
Perimeter (LF): 330	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 18							
No of Floors: 4								
N183	Device Assembly Facility 172,000 SF to 192,000 SF	<p>This model should be applied to a building less than 192,000 SF. The model is based on a 2-story building with 182,117 square feet of floor area. The structure is cast in place concrete.</p> <table><tr><td>Perimeter (LF): 3,064</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 182,117</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 3,064	Location: National Average	Gross Sqft: 182,117	Floor Height (LF): 20	No of Floors: 2	
Perimeter (LF): 3,064	Location: National Average							
Gross Sqft: 182,117	Floor Height (LF): 20							
No of Floors: 2								
N200	High Security Facility 1,000 SF to 19,999 SF	<p>This model should be applied to a building less than 19,999 SF. The model is based on a 1-story building with 9,500 square feet of floor area. The structure is cast in place concrete.</p> <table><tr><td>Perimeter (LF): 410</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 9,500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 410	Location: National Average	Gross Sqft: 9,500	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 410	Location: National Average							
Gross Sqft: 9,500	Floor Height (LF): 12							
No of Floors: 1								
N201	High Security Facility 20,000 SF to 199,999 SF	<p>This model should be applied to a building less than 199,999 SF. The model is based on a 1-story building with 100,000 square feet of floor area. The structure is concrete block.</p> <table><tr><td>Perimeter (LF): 1,350</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 100,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1,350	Location: National Average	Gross Sqft: 100,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 1,350	Location: National Average							
Gross Sqft: 100,000	Floor Height (LF): 12							
No of Floors: 1								



RPV Model	RPV Model Name	RPV Model Description		
N202	High Security Facility, 2 story, 2,000 SF to 99,000 SF	<p>This model should be applied to a High Security Facility, 2 story, 2,000 SF to 99,000 SF. The model is based on a 2-story building with 55500 square feet of floor area. The structure is Brick Veneer metal stud / Structural steel, bar joists.</p>	Perimeter (LF): 790	Location: National Average
			Gross Sqft: 55,500	Floor Height (LF): 12
			No of Floors: 2	
N203	High Security Facility 100,000 SF to 350,000 SF	<p>This model should be applied to a building less than 350,000 SF. The model is based on a 1-story building with 200,000 square feet of floor area. The structure is cast in place concrete.</p>	Perimeter (LF): 1,412	Location: National Average
			Gross Sqft: 200,000	Floor Height (LF): 12
			No of Floors: 2	
N204	High Security Facility 25,000 SF to 99,000 SF	<p>This model should be applied to a building less than 99,000 SF. The model is based on a 3-story building with 73,500 square feet of floor area. The structure is cast in place concrete.</p>	Perimeter (LF): 690	Location: National Average
			Gross Sqft: 73,500	Floor Height (LF): 12
			No of Floors: 3	
N205	High Security Facility, 3 story, 100,000 SF to 199,999 SF	<p>This model should be applied to a High Security Facility, 3 story, 100,000 SF to 199,999 SF. The model is based on a 3-story building with 150000 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p>	Perimeter (LF): 928	Location: National Average
			Gross Sqft: 150,000	Floor Height (LF): 12
			No of Floors: 3	
N206	High Security Facility, 3 story, 200,000 SF to 450,000 SF	<p>This model should be applied to a High Security Facility, 3 story, 200,000 SF to 450,000 SF. The model is based on a 3-story building with 445000 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p>	Perimeter (LF): 1620	Location: National Average
			Gross Sqft: 445,000	Floor Height (LF): 12
			No of Floors: 3	

RPV Model	RPV Model Name	RPV Model Description						
N207	High Security Facility 500,000 SF to 750,000SF	<div>This model should be applied to a building less than 725,000 SF. The model is based on a 5-story building with 671,500 square feet of floor area. The structure is cast in place concrete.</div> <table><tr><td>Perimeter (LF): 1,468</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 671,500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 5</td><td></td></tr></table>	Perimeter (LF): 1,468	Location: National Average	Gross Sqft: 671,500	Floor Height (LF): 12	No of Floors: 5	
Perimeter (LF): 1,468	Location: National Average							
Gross Sqft: 671,500	Floor Height (LF): 12							
No of Floors: 5								
N208	Assembly & Storage Building, 2 Story, 100,000 SF to 350,000 SF	<div>This model should be applied to a Assembly &amp; Storage Building, 2 Story, 100,000 to 350,000 SF. The model is based on a 2-story building with 320000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 1614</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 320,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 1614	Location: National Average	Gross Sqft: 320,000	Floor Height (LF): 14	No of Floors: 2	
Perimeter (LF): 1614	Location: National Average							
Gross Sqft: 320,000	Floor Height (LF): 14							
No of Floors: 2								
N209	Assembly and Production, 3 Story, 5,000 SF to 50,000 SF	<div>This model should be applied to a Assembly and Production, 3 story, 5000 SF to 50000 SF. The model is based on a 3-story building with 10200 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 236</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 10,200</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 236	Location: National Average	Gross Sqft: 10,200	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 236	Location: National Average							
Gross Sqft: 10,200	Floor Height (LF): 12							
No of Floors: 3								
N210	Assembly & Production Building, 150 SF to 1,900 SF	<div>This model should be applied to a Assembly &amp; Production Building, 150 to 1,900 SF. The model is based on a 1-story building with 1000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 132</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 132	Location: National Average	Gross Sqft: 1,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 132	Location: National Average							
Gross Sqft: 1,000	Floor Height (LF): 12							
No of Floors: 1								
N211	Assembly & Production Building, 2,000 SF to 39,000 SF	<div>This model should be applied to a Assembly &amp; Production Building, 2,000 to 39,000 SF. The model is based on a 1-story building with 7500 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 350</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 7,500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 350	Location: National Average	Gross Sqft: 7,500	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 350	Location: National Average							
Gross Sqft: 7,500	Floor Height (LF): 12							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N212	Assembly & Production Building 40,000 SF to 116,000 SF	<p>This model should be applied to a Assembly &amp; Production Building, 40,000 to 116,000 SF. The model is based on a 1-story building with 60000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 984</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 60,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 984	Location: National Average	Gross Sqft: 60,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 984	Location: National Average							
Gross Sqft: 60,000	Floor Height (LF): 12							
No of Floors: 1								
N213	Assembly & Production Building 320,000 SF to 780,000 SF	<p>This model should be applied to a Assembly &amp; Production Building, 320,000 to 780,000 SF. The model is based on a 1-story building with 535000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 2946</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 535,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 2946	Location: National Average	Gross Sqft: 535,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 2946	Location: National Average							
Gross Sqft: 535,000	Floor Height (LF): 12							
No of Floors: 1								
N214	Assembly & Production, 2 story 7,000 SF to 40,000 SF	<p>This model should be applied to a Assembly &amp; Production, 2 story 7000 SF to 40000 SF. The model is based on a 2-story building with 22000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 443</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 22,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 443	Location: National Average	Gross Sqft: 22,000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 443	Location: National Average							
Gross Sqft: 22,000	Floor Height (LF): 12							
No of Floors: 2								
N215	Assembly & Production, 3 story 70,000 SF to 450,000 SF	<p>This model should be applied to a Assembly &amp; Production, 3 story 70000 SF to 450000 SF. The model is based on a 3-story building with 170000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 602</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 105,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 602	Location: National Average	Gross Sqft: 105,000	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 602	Location: National Average							
Gross Sqft: 105,000	Floor Height (LF): 12							
No of Floors: 3								
N216	Assembly & Production, 4 story 70,000 SF to 450,000 SF	<p>This model should be applied to a Assembly &amp; Production, 4 story 70000 SF to 450000 SF. The model is based on a 4-story building with 152000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 858</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 152,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 858	Location: National Average	Gross Sqft: 152,000	Floor Height (LF): 12	No of Floors: 4	
Perimeter (LF): 858	Location: National Average							
Gross Sqft: 152,000	Floor Height (LF): 12							
No of Floors: 4								

RPV Model	RPV Model Name	RPV Model Description						
N217	Assembly & Production, 5 story 20,000 SF to 50,000 SF	<p>This model should be applied to a Assembly &amp; Production, 5 story 20000 SF to 50000 SF. The model is based on a 5-story building with 30000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 310</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 30,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 5</td><td></td></tr></table>	Perimeter (LF): 310	Location: National Average	Gross Sqft: 30,000	Floor Height (LF): 12	No of Floors: 5	
Perimeter (LF): 310	Location: National Average							
Gross Sqft: 30,000	Floor Height (LF): 12							
No of Floors: 5								
N218	Assembly & Production, 6 story 20,000 SF to 50,000 SF	<p>This model should be applied to a Assembly &amp; Production, 6 Story 20000 SF to 50000 SF. The model is based on a 6-story building with 30000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 284</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 30,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 6</td><td></td></tr></table>	Perimeter (LF): 284	Location: National Average	Gross Sqft: 30,000	Floor Height (LF): 12	No of Floors: 6	
Perimeter (LF): 284	Location: National Average							
Gross Sqft: 30,000	Floor Height (LF): 12							
No of Floors: 6								
N219	Assembly Cell 3,000 SF to 10,000 SF	<p>This model should be applied to a Assembly Cell 3000 SF to 10000 SF. The model is based on a 1-story building with 5800 square feet of floor area. The structure is Cast in Place Concrete / Steel Frame.</p> <table><tr><td>Perimeter (LF): 490</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 5,800</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 490	Location: National Average	Gross Sqft: 5,800	Floor Height (LF): 18	No of Floors: 1	
Perimeter (LF): 490	Location: National Average							
Gross Sqft: 5,800	Floor Height (LF): 18							
No of Floors: 1								
N220	Process Building 50 SF to 1,400 SF	<p>This model should be applied to a Process Building 50 to 1400 SF. The model is based on a 1-story building with 560 square feet of floor area. The structure is Cast in Place Concrete / Steel joist metal deck.</p> <table><tr><td>Perimeter (LF): 96</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 560</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 96	Location: National Average	Gross Sqft: 560	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 96	Location: National Average							
Gross Sqft: 560	Floor Height (LF): 12							
No of Floors: 1								
N221	Process Building 1,500 SF to 39,000 SF	<p>This model should be applied to a Process Building 1500 to 39000 SF. The model is based on a 1-story building with 5500 square feet of floor area. The structure is Cast in Place Concrete / Reinforced Concrete.</p> <table><tr><td>Perimeter (LF): 304</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 5,500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 304	Location: National Average	Gross Sqft: 5,500	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 304	Location: National Average							
Gross Sqft: 5,500	Floor Height (LF): 12							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N222	Process Building, 2 story 2,500 SF to 35,000 SF	<div>This model should be applied to a Process Building, 2 story 2500 SF to 35000 SF. The model is based on a 2-story building with 4450 square feet of floor area. The structure is Brick Veneer metal stud / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 191</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 4,450</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 191	Location: National Average	Gross Sqft: 4,450	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 191	Location: National Average							
Gross Sqft: 4,450	Floor Height (LF): 12							
No of Floors: 2								
N223	Process Building, 3 story 10,000 SF to 50,000 SF	<div>This model should be applied to a Process Building, 3 story 10000 SF to 50000 SF. The model is based on a 3-story building with 20000 square feet of floor area. The structure is Brick Veneer metal stud / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 367</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 367	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 367	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 12							
No of Floors: 3								
N224	Processing Facility, 4 story 400,000 SF to 600,000 SF	<div>This model should be applied to a Processing Facility, 4 story 400000 SF to 600000 SF. The model is based on a 4-story building with 550000 square feet of floor area. The structure is Brick Veneer metal stud / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 1921</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 550,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 1921	Location: National Average	Gross Sqft: 550,000	Floor Height (LF): 12	No of Floors: 4	
Perimeter (LF): 1921	Location: National Average							
Gross Sqft: 550,000	Floor Height (LF): 12							
No of Floors: 4								
N225	Fabrication Facility, 400 SF to 15,000 SF	<div>This model should be applied to a Fabrication Facility, 400 to 15,000 SF. The model is based on a 1-story building with 1350 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 162</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,350</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 162	Location: National Average	Gross Sqft: 1,350	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 162	Location: National Average							
Gross Sqft: 1,350	Floor Height (LF): 14							
No of Floors: 1								
N226	Fabrication Facility, 2,000 SF to 120,000 SF	<div>This model should be applied to a Fabrication Facility, 2,000 to 120,000 SF. The model is based on a 1-story building with 8000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 430</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 8,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 430	Location: National Average	Gross Sqft: 8,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 430	Location: National Average							
Gross Sqft: 8,000	Floor Height (LF): 14							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description		
N227	Fabrication Facility, 2 story, 15,000 SF to 20,000 SF	<p>This model should be applied to a Fabrication Facility, 2 Story, 15,000 SF to 20,000 SF. The model is based on a 2-story building with 18000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</p>		
			Perimeter (LF): 410	Location: National Average
			Gross Sqft: 18,000	Floor Height (LF): 14
			No of Floors: 2	
N231	Centrifuge Facility 25 FT	<p>This model should be applied to a 25 Ft. Centrifuge Facility. The model is based on a 1-story building with 14800.00 square feet of floor area. The structure is Metal panel on steel studs / Steel and Reinforced Concrete.</p>		
			Perimeter (LF): 526	Location: National Average
			Gross Sqft: 14800	Floor Height (LF): 14
			No of Floors: 1	
N232	Tritium Process Support Facility 1,000 SF to 20,000 SF	<p>This model should be applied to a Tritium Process Support Facility, 1,000 to 20,000 SF. The model is based on a 1-story building with 10500.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p>		
			Perimeter (LF): 440	Location: National Average
			Gross Sqft: 10500	Floor Height (LF): 30
			No of Floors: 1	
N261	Utility Building 100 SF to 999 SF	<p>This model should be applied to a Utility Building 100 SF to 999 SF. The model is based on a 1-story building with 600 square feet of floor area. The structure is CMU / Stl joist mtl deck roof.</p>		
			Perimeter (LF): 100	Location: National Average
			Gross Sqft: 600	Floor Height (LF): 15
			No of Floors: 1	
N262	Utility Building 1,000 SF to 5,000 SF	<p>This model should be applied to a Utility Building 1,000 to 5,000 SF . The model is based on a 1-story building with 1600.00 square feet of floor area. The structure is Concrete Block / Steel joist metal deck roof.</p>		
			Perimeter (LF): 176	Location: National Average
			Gross Sqft: 1600	Floor Height (LF): 14
			No of Floors: 1	

RPV Model	RPV Model Name	RPV Model Description						
N263	Pumping Station, Water, 500 SF to 1,500 SF	<div>This model should be applied to a Pumping Station, Water, 500 SF to 1500 SF. The model is based on a 1-story building with 800.00 square feet of floor area. The structure is Concrete Block / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 120</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 800</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 120	Location: National Average	Gross Sqft: 800	Floor Height (LF): 20	No of Floors: 1	
Perimeter (LF): 120	Location: National Average							
Gross Sqft: 800	Floor Height (LF): 20							
No of Floors: 1								
N264	Water Treatment Plant 63 SF to 5,000 SF	<div>This model should be applied to a Water Treatment Plant 63 to 5,000 SF. The model is based on a 1-story building with 2500 square feet of floor area. The structure is Metal panel on steel studs / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 213</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2,500</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 213	Location: National Average	Gross Sqft: 2,500	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 213	Location: National Average							
Gross Sqft: 2,500	Floor Height (LF): 16							
No of Floors: 1								
N268	Gas Plants 1,000 SF to 3,500 SF	<div>This model should be applied to a Gas Plants 1,000 SF to 3,500 SF. The model is based on a 1-story building with 3000 square feet of floor area. The structure is Metal Panel and Metal Studs / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 241</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 3,000</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 241	Location: National Average	Gross Sqft: 3,000	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 241	Location: National Average							
Gross Sqft: 3,000	Floor Height (LF): 16							
No of Floors: 1								
N269	Central Utility Plant 500 SF to 30,000 SF	<div>This model should be applied to a Central Utility Plant 500 SF to 30,000 SF. The model is based on a 1-story building with 12000 square feet of floor area. The structure is Metal Panel and Metal Studs / Structural steel, bar joists.</div> <table><tr><td>Perimeter (LF): 470</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 12,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 470	Location: National Average	Gross Sqft: 12,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 470	Location: National Average							
Gross Sqft: 12,000	Floor Height (LF): 14							
No of Floors: 1								
N368	Drop Tower	<div>This model should be applied to a Drop Tower. The model is based on a 1-story building with 200.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 58</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 200</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 58	Location: National Average	Gross Sqft: 200	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 58	Location: National Average							
Gross Sqft: 200	Floor Height (LF): 14							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N383	Sewer Plants 1,000 SF to 150,000 SF	<div>This model should be applied to a Sewer Plants 1,000 SF to 150,000 SF. The model is based on a 1-story building with 75000 square feet of floor area. The structure is Metal Panel and Metal Studs / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 1300</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 75,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1300	Location: National Average	Gross Sqft: 75,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 1300	Location: National Average							
Gross Sqft: 75,000	Floor Height (LF): 14							
No of Floors: 1								
N386	Water Treatment Plant (GAC)	<div>This model should be applied to a Water Treatment Plant (GAC). The model is based on a 1-story building with 1250 square feet of floor area. The structure is CMU / Structural steel metal deck.</div> <table><tr><td>Perimeter (LF): 150</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,250</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 150	Location: National Average	Gross Sqft: 1,250	Floor Height (LF): 20	No of Floors: 1	
Perimeter (LF): 150	Location: National Average							
Gross Sqft: 1,250	Floor Height (LF): 20							
No of Floors: 1								
N393	National Ignition Facility (NIF) 500,000 SF to 800,000 SF	<div>This model should be applied to a National Ignition Facility, (NIF), 500,000 to 800,000 SF. The model is based on a 1-story building with 700000.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 4700</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 700,000</td><td>Floor Height (LF): 30</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 4700	Location: National Average	Gross Sqft: 700,000	Floor Height (LF): 30	No of Floors: 1	
Perimeter (LF): 4700	Location: National Average							
Gross Sqft: 700,000	Floor Height (LF): 30							
No of Floors: 1								
N394	High Explosive Facility (HEAF)	<div>This model should be applied to a High Explosive Facility (HEAF). The model is based on a 1-story building with 120000.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 1436</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 120000</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1436	Location: National Average	Gross Sqft: 120000	Floor Height (LF): 18	No of Floors: 1	
Perimeter (LF): 1436	Location: National Average							
Gross Sqft: 120000	Floor Height (LF): 18							
No of Floors: 1								
N399	Utility Bldg 7 Story 20,000 SF to 100,000 SF	<div>This model should be applied to a building less than 10,000 SF. The model is based on a 1-story building with 5,000 square feet of floor area. The structure is insulated metal panels on a metal frame.</div> <table><tr><td>Perimeter (LF): 423</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 5000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 7</td><td></td></tr></table>	Perimeter (LF): 423	Location: National Average	Gross Sqft: 5000	Floor Height (LF): 12	No of Floors: 7	
Perimeter (LF): 423	Location: National Average							
Gross Sqft: 5000	Floor Height (LF): 12							
No of Floors: 7								



RPV Model	RPV Model Name	RPV Model Description						
N415	Utility Bldg, 2 Story, 1,000 SF to 5,000 SF	<div>This model should be applied to a Utility Building 2 Story, 1,000 Sf to 5,000 SF . The model is based on a 2-story building with 4000.00 square feet of floor area. The structure is CMU / Steel joist metal deck roof.</div> <table><tr><td>Perimeter (LF): 196</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 4000</td><td>Floor Height (LF): 15</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 196	Location: National Average	Gross Sqft: 4000	Floor Height (LF): 15	No of Floors: 2	
Perimeter (LF): 196	Location: National Average							
Gross Sqft: 4000	Floor Height (LF): 15							
No of Floors: 2								
N416	Mocho Pump Station 100 SF to 1,000 SF	<div>This model should be applied to a Mocho Pump Station, 100 SF to 1,000 SF. The model is based on a 2-story building with 350.00 square feet of floor area. The structure is Cast in Place Concrete / Steel Frame.</div> <table><tr><td>Perimeter (LF): 82</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 350</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 82	Location: National Average	Gross Sqft: 350	Floor Height (LF): 20	No of Floors: 2	
Perimeter (LF): 82	Location: National Average							
Gross Sqft: 350	Floor Height (LF): 20							
No of Floors: 2								
N436	Utility Bldg 3 story 100,000 SF to 350,000 SF	<div>This model should be applied to a Utility Building 3 story, 100,000 SF to 350,000 SF. The model is based on a 3-story building with 210000.00 square feet of floor area. The structure is CMU / Steel joist metal deck roof.</div> <table><tr><td>Perimeter (LF): 1158</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 210000</td><td>Floor Height (LF): 15</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 1158	Location: National Average	Gross Sqft: 210000	Floor Height (LF): 15	No of Floors: 3	
Perimeter (LF): 1158	Location: National Average							
Gross Sqft: 210000	Floor Height (LF): 15							
No of Floors: 3								
N440	High Bay Production – Manufacturing 750 SF to 3,200 SF	<div>This model should be applied to a High Bay Production / Manufacturing, 750 to 3,200 SF. The model is based on a 1-story building with 3200.00 square feet of floor area. The structure is DOE N441 High Bay Manf/Assembly.</div> <table><tr><td>Perimeter (LF): 244</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 3200</td><td>Floor Height (LF): 24</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 244	Location: National Average	Gross Sqft: 3200	Floor Height (LF): 24	No of Floors: 1	
Perimeter (LF): 244	Location: National Average							
Gross Sqft: 3200	Floor Height (LF): 24							
No of Floors: 1								
N443	Assembly and Production – Bunker Style	<div>This model should be applied to a Assembly and Production -Bunker Style. The model is based on a 1-story building with 1000.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 140</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1000</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 140	Location: National Average	Gross Sqft: 1000	Floor Height (LF): 18	No of Floors: 1	
Perimeter (LF): 140	Location: National Average							
Gross Sqft: 1000	Floor Height (LF): 18							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N445	High Bay Production Bldg 15,000 SF to 125,000 SF	<p>This model should be applied to a High Bay Production Building, 15,000 to 125,000 SF. The model is based on a 1-story building with 38000.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p> <table><tr><td>Perimeter (LF): 854</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 38000</td><td>Floor Height (LF): 36</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 854	Location: National Average	Gross Sqft: 38000	Floor Height (LF): 36	No of Floors: 1	
Perimeter (LF): 854	Location: National Average							
Gross Sqft: 38000	Floor Height (LF): 36							
No of Floors: 1								
N447	Bunker Style Process 400 SF to 5,000 SF	<p>This model should be applied to a Bunker Style Process 400 to 5,000 SF. The model is based on a 1-story building with 1000.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p> <table><tr><td>Perimeter (LF): 140</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1000</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 140	Location: National Average	Gross Sqft: 1000	Floor Height (LF): 18	No of Floors: 1	
Perimeter (LF): 140	Location: National Average							
Gross Sqft: 1000	Floor Height (LF): 18							
No of Floors: 1								
N472	Utility Building 2 Story, 5,000 Sf to 25,000 SF	<p>This model should be applied to a Utility Building 2 Story, 5,000 Sf to 25,000 SF. This model is based on a 2-story building with 17000 square feet of floor area. The structure is CMU / Steel joist metal deck roof.</p> <table><tr><td>Perimeter (LF): 404</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 17000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 404	Location: National Average	Gross Sqft: 17000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 404	Location: National Average							
Gross Sqft: 17000	Floor Height (LF): 12							
No of Floors: 2								
N477	Neutron Generator Prod Facility, 3 Story, 50,000 to 150,000 SF	<p>This model should be applied to a Neutron Generator Prod Facility, 3 Story, 50,000 to 150,000 SF. This model is based on a 3-story building with 96000 square feet of floor area. The structure is Stucco / Struct steel, bar joists, conc..</p> <table><tr><td>Perimeter (LF): 784</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 96000</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 784	Location: National Average	Gross Sqft: 96000	Floor Height (LF): 16	No of Floors: 3	
Perimeter (LF): 784	Location: National Average							
Gross Sqft: 96000	Floor Height (LF): 16							
No of Floors: 3								
N479	Radiation Hardened Circuits, 3 Story, 150,000 to 200,000 SF	<p>This model should be applied to a Radiation Hardened Circuits, 3 Story, 150,000 to 200,000 SF. This model is based on a 3-story building with 180500 square feet of floor area. The structure is Precast Concrete / Struct steel, bar joists, conc..</p> <table><tr><td>Perimeter (LF): 1074</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 180500</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 1074	Location: National Average	Gross Sqft: 180500	Floor Height (LF): 16	No of Floors: 3	
Perimeter (LF): 1074	Location: National Average							
Gross Sqft: 180500	Floor Height (LF): 16							
No of Floors: 3								

RPV Model	RPV Model Name	RPV Model Description	
N482	Explosive Component, 100,000 to 150,000 SF	This model should be applied to a Explosive Component, 100,000 to 150,000 SF. This model is based on a 3-story building with 114000 square feet of floor area. The structure is Precast Concrete / Struct steel, bar joists, conc..	
		Perimeter (LF): 854	Location: National Average
		Gross Sqft: 114000	Floor Height (LF): 15
		No of Floors: 3	
N483	Advanced Manf.Process, 100,000 to 150,000 SF	This model should be applied to a Advanced Manufacturing Process, 100,000 to 150,000 SF. This model is based on a 3-story building with 136000 square feet of floor area. The structure is Precast Concrete / Struct stl, bar joists, conc..	
		Perimeter (LF): 932	Location: National Average
		Gross Sqft: 136000	Floor Height (LF): 15
		No of Floors: 3	
N485	Production & Assembly, 16 Story, 15,000 to 45,000 SF	This model should be applied to a Production & Assembly, 16 Story, 15,000 to 45,000 SF. This model is based on a 16-story building with 36340 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.	
		Perimeter (LF): 212	Location: National Average
		Gross Sqft: 36340	Floor Height (LF): 12
		No of Floors: 16	
N505	Utility Building, 3 Story, 2,000 to 30,000 SF	This model should be applied to a Utility Building, 3 Story, 2,000 to 30,000 SF. This model is based on a 3-story building with 22000 square feet of floor area. The structure is Brick veneer on CMU / Struct steel, bar joists, conc..	
		Perimeter (LF): 378	Location: National Average
		Gross Sqft: 22000	Floor Height (LF): 12
		No of Floors: 3	
N888	Replacement High-Security Facility	This model should be applied to a Replacement High-Security Facility. The model is based on a 3-story building with 92500.00 square feet of floor area. The structure is Brick Veneer or Metal Siding / Steel Reinforced Concrete.	
		Perimeter (LF): 702	Location: National Average
		Gross Sqft: 92500	Floor Height (LF): 12
		No of Floors: 3	

## Chapter

## 5

# 5. Institutional

RPV Model	RPV Model Name	RPV Model Description						
E04	Cafeteria/Dining Facility	<p>This model should be applied to uses such as cafeteria and dining facilities. The model is based on a 1-story building with 8,000 square feet of floor area. The structure is light steel frame, with brick veneer and CMU backup exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 368</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 8,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 368	Location: National Average	Gross Sqft: 8,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 368	Location: National Average							
Gross Sqft: 8,000	Floor Height (LF): 12							
No of Floors: 1								
E13	Library	<p>This model should be applied to all library facilities. The model is based on a 2-story building with 22,000 square feet of floor area. The structure is steel frame, with brick veneer and CMU backup exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 435</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 22,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 435	Location: National Average	Gross Sqft: 22,000	Floor Height (LF): 14	No of Floors: 2	
Perimeter (LF): 435	Location: National Average							
Gross Sqft: 22,000	Floor Height (LF): 14							
No of Floors: 2								
E20	Swimming Pool	<p>This model should be applied to enclosed swimming pool facilities. The model is based on a 1-story building with 20,000 square feet of floor area. The structure is masonry bearing wall with steel joists, with brick veneer and CMU backup exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 24</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 24	No of Floors: 1	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 24							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
E24	Security/Badging	<p>This model should be applied to all security, badging, and site entry processing centers and facilities. The model is based on a 2-story building with 15,000 square feet of floor area. The structure is masonry bearing wall with steel joists, with brick veneer and CMU backup exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 354</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 15,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 354	Location: National Average	Gross Sqft: 15,000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 354	Location: National Average							
Gross Sqft: 15,000	Floor Height (LF): 12							
No of Floors: 2								
E27	Visitor Center	<p>This model should be applied to all visitor centers and small museum type facilities. The model is based on a 1-story building with 24,000 square feet of floor area. The structure is masonry bearing wall with steel joists, with brick veneer and CMU backup exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 680</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 24,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 680	Location: National Average	Gross Sqft: 24,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 680	Location: National Average							
Gross Sqft: 24,000	Floor Height (LF): 12							
No of Floors: 1								
N02	Communication - Telephone Center	<p>This model should be applied to all communication centers, telephone centers and switchgear facilities and related uses. The model is based on a 3-story building with 25,000 square feet of floor area. The structure is masonry bearing wall with steel joists, with brick veneer and CMU backup exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 440</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 25,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 440	Location: National Average	Gross Sqft: 25,000	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 440	Location: National Average							
Gross Sqft: 25,000	Floor Height (LF): 12							
No of Floors: 3								
N03	Computer Center	<p>This model should be applied to all computer processing centers and related facilities. The model is based on a 1-story building with 100,000 square feet of floor area. The structure is precast concrete panels, with tilt-up concrete exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 1,400</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 100,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1,400	Location: National Average	Gross Sqft: 100,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 1,400	Location: National Average							
Gross Sqft: 100,000	Floor Height (LF): 14							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N32	Multi-Purpose Facility - Large	<p>This model applies to a large manufacturing facility including clean rooms, storage, manufacturing and office areas. The facility encloses approximately 1,145,000 SF. The structure contains concrete foundations, concrete walls and concrete roof framing and deck. The exterior enclosure is a brick façade with service doors. The roof covering and flashings are bituminous. The HVAC system is a combination of hot water boilers and roof top units. A 2000-amp service with power, lighting, fire alarm, public address and Tel/data cables are provided.</p> <table><tr><td>Perimeter (LF): 4,960</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,145,000</td><td>Floor Height (LF): 152</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 4,960	Location: National Average	Gross Sqft: 1,145,000	Floor Height (LF): 152	No of Floors: 1	
Perimeter (LF): 4,960	Location: National Average							
Gross Sqft: 1,145,000	Floor Height (LF): 152							
No of Floors: 1								
N62	Personnel Gate Turnstile	<p>This model should be applied to all secured pedestrian entry locations. The model is based on a covered structure with 300 square feet of floor area and electronic turnstile.</p> <table><tr><td>Perimeter (LF): 72</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 300</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 72	Location: National Average	Gross Sqft: 300	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 72	Location: National Average							
Gross Sqft: 300	Floor Height (LF): 14							
No of Floors: 1								
N63	Metal Covered Walkways	<p>This model should be applied to all enclosed walkways. The model is based on a 1-story building with 1,400 square feet of floor area. The structure is steel frame, with metal siding exterior, metal roof and fan coil units.</p> <table><tr><td>Perimeter (LF): 240</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,400</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 240	Location: National Average	Gross Sqft: 1,400	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 240	Location: National Average							
Gross Sqft: 1,400	Floor Height (LF): 10							
No of Floors: 1								
N137	Comfort Station 500 SF to 1,200 SF	<p>This model should be applied to a building less than 1,200 SF. The model is based on a 1-story building with 850 square feet of floor area. The structure is EIFS on wood framing.</p> <table><tr><td>Perimeter (LF): 120</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 850</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 120	Location: National Average	Gross Sqft: 850	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 120	Location: National Average							
Gross Sqft: 850	Floor Height (LF): 8							
No of Floors: 1								
N141	Communication Building 50 SF to 500 SF	<p>This model should be applied to a building less than 500 SF. The model is based on a 1-story building with 200 square feet of floor area. The structure is concrete block.</p> <table><tr><td>Perimeter (LF): 54</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 150</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 54	Location: National Average	Gross Sqft: 150	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 54	Location: National Average							
Gross Sqft: 150	Floor Height (LF): 10							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N142	Communication Building 500 SF to 1,500 SF	<div>This model should be applied to a building less than 1,500 SF. The model is based on a 1-story building with 1,000 square feet of floor area. The structure is metal siding on metal framing.</div> <table><tr><td>Perimeter (LF): 132</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 132	Location: National Average	Gross Sqft: 1,000	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 132	Location: National Average							
Gross Sqft: 1,000	Floor Height (LF): 10							
No of Floors: 1								
N143	Communication Building 1 500 SF to 20,000 SF	<div>This model should be applied to a building less than 20,000 SF. The model is based on a 1-story building with 2,000 square feet of floor area. The structure is concrete block.</div> <table><tr><td>Perimeter (LF): 184</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 184	Location: National Average	Gross Sqft: 2,000	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 184	Location: National Average							
Gross Sqft: 2,000	Floor Height (LF): 10							
No of Floors: 1								
N171	Data Center 1,300 SF to 30,000 SF	<div>This model should be applied to a building less than 30,000 SF. The model is based on a 2-story building with 16,000 square feet of floor area. The structure is insulated metal panels on a metal frame.</div> <table><tr><td>Perimeter (LF): 398</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 16,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 398	Location: National Average	Gross Sqft: 16,000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 398	Location: National Average							
Gross Sqft: 16,000	Floor Height (LF): 12							
No of Floors: 2								
N172	Data Center 40,000 SF to 120,000 SF	<div>This model should be applied to a building less than 120,000 SF. The model is based on a 3-story building with 102,000 square feet of floor area. The structure is tilt up concrete panels.</div> <table><tr><td>Perimeter (LF): 906</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 102,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 906	Location: National Average	Gross Sqft: 102,000	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 906	Location: National Average							
Gross Sqft: 102,000	Floor Height (LF): 12							
No of Floors: 3								
N173	Data Center 150,000 SF to 350,000 SF	<div>This model should be applied to a building less than 350,000 SF. The model is based on a 4-story building with 307,000 square feet of floor area. The structure is cast in place concrete.</div> <table><tr><td>Perimeter (LF): 1,270</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 307,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 1,270	Location: National Average	Gross Sqft: 307,000	Floor Height (LF): 12	No of Floors: 4	
Perimeter (LF): 1,270	Location: National Average							
Gross Sqft: 307,000	Floor Height (LF): 12							
No of Floors: 4								

RPV Model	RPV Model Name	RPV Model Description						
N294	Visitors Center 1,000 SF to 25,000 SF	<div>This model should be applied to a Visitors Center 1,000 SF to 25,000 SF. The model is based on a 1-story building with 2400.00 square feet of floor area. The structure is Brick Veneer, metal stud / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 220</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2400</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 220	Location: National Average	Gross Sqft: 2400	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 220	Location: National Average							
Gross Sqft: 2400	Floor Height (LF): 12							
No of Floors: 1								
N295	Cafeteria, 2 story, 250 SF to 4,000 SF	<div>This model should be applied to a Cafeteria 2 Story 250 SF to 4,000 sf. The model is based on a 2-story building with 1400.00 square feet of floor area. The structure is Concrete Block / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 106</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1400</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 106	Location: National Average	Gross Sqft: 1400	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 106	Location: National Average							
Gross Sqft: 1400	Floor Height (LF): 12							
No of Floors: 2								
N310	Entrance Canopies 500 SF to 25,000 SF	<div>This model should be applied to a Entrance Canopies, 500 to 25,000 SF. The model is based on a 1-story building with 2500.00 square feet of floor area. The structure is Pre-engineered Metal Building / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 256</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 256	Location: National Average	Gross Sqft: 2500	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 256	Location: National Average							
Gross Sqft: 2500	Floor Height (LF): 12							
No of Floors: 1								
N311	Covered Walkway 1,000 SF to 15,000 SF	<div>This model should be applied to a building less than 10,000 SF. The model is based on a 1-story building with 5,000 square feet of floor area. The structure is insulated metal panels on a metal frame.</div> <table><tr><td>Perimeter (LF): 970</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 5000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 970	Location: National Average	Gross Sqft: 5000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 970	Location: National Average							
Gross Sqft: 5000	Floor Height (LF): 12							
No of Floors: 1								
N318	Comfort Station 15 SF to 500 SF	<div>This model should be applied to a Comfort Station 15 SF to 499 SF. The model is based on a 1-story building with 250.00 square feet of floor area. The structure is CMU / Wood Truss.</div> <table><tr><td>Perimeter (LF): 70</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 250</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 70	Location: National Average	Gross Sqft: 250	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 70	Location: National Average							
Gross Sqft: 250	Floor Height (LF): 8							
No of Floors: 1								



RPV Model	RPV Model Name	RPV Model Description						
N323	Canopy Small, 10 SF to 999 SF	<div>This model should be applied to a Canopy Small, 10 SF to 999 SF. The model is based on a 1-story building with 200 square feet of floor area. The structure is Pre-Engineered Metal Building / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 66</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 200</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 66	Location: National Average	Gross Sqft: 200	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 66	Location: National Average							
Gross Sqft: 200	Floor Height (LF): 12							
No of Floors: 1								
N324	Canopy 1,000 SF to 4,900 SF	<div>This model should be applied to a open structure less than 49,000 SF. The model is based on a 1-story building with 2,000 square feet of floor area. The structure is metal frame with metal roof.</div> <table><tr><td>Perimeter (LF): 180</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2,000</td><td>Floor Height (LF): 24</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 180	Location: National Average	Gross Sqft: 2,000	Floor Height (LF): 24	No of Floors: 1	
Perimeter (LF): 180	Location: National Average							
Gross Sqft: 2,000	Floor Height (LF): 24							
No of Floors: 1								
N325	Canopy Large, 5,000 SF to 40,000 SF	<div>This model should be applied to a Canopy Large, 5,000 SF to 40,000 SF. The model is based on a 1-story building with 20000 square feet of floor area. The structure is Pre-Engineered Metal Building / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 566</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 566	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 18	No of Floors: 1	
Perimeter (LF): 566	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 18							
No of Floors: 1								
N357	Communication Building, 2 story, 2,000 SF to 20,000 SF	<div>This model should be applied to a Communication Building, 2 story, 2000 to 20000 SF. The model is based on a 2-story building with 5000 square feet of floor area. The structure is Brick Veneer metal stud / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 240</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 5,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 240	Location: National Average	Gross Sqft: 5,000	Floor Height (LF): 10	No of Floors: 2	
Perimeter (LF): 240	Location: National Average							
Gross Sqft: 5,000	Floor Height (LF): 10							
No of Floors: 2								
N358	Communication Building, 4 story, 2,000 SF to 20,000 SF	<div>This model should be applied to a Communication Building, 4 story, 2000 to 20000 SF. The model is based on a 4-story building with 20000 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 284</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 284	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 12	No of Floors: 4	
Perimeter (LF): 284	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 12							
No of Floors: 4								

RPV Model	RPV Model Name	RPV Model Description						
N397	Data Center, 1 Story, 4,000 SF to 60,000 SF	<div>This model should be applied to a Data Center, 1 Story, 4,000 SF to 60,000 SF. The model is based on a 1-story building with 20000.00 square feet of floor area. The structure is Precast Concrete Panel / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 20000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 20000	Floor Height (LF): 14							
No of Floors: 1								
N402	Library, 4 Story, 50,000 SF to 100,000 SF	<div>This model should be applied to a Library 4 Story 50,000 SF to 100,000. The model is based on a 4-story building with 76000.00 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel, metal deck.</div> <table><tr><td>Perimeter (LF): 580</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 76000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 580	Location: National Average	Gross Sqft: 76000	Floor Height (LF): 14	No of Floors: 4	
Perimeter (LF): 580	Location: National Average							
Gross Sqft: 76000	Floor Height (LF): 14							
No of Floors: 4								
N429	Library, 1 Story, 1,000 SF to 15,000 SF	<div>This model should be applied to a Library, 1 Story, 1,000 SF to 15,000 SF. The model is based on a 1-story building with 10000.00 square feet of floor area. The structure is Brick veneer/ CMU backup / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 438</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 10000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 438	Location: National Average	Gross Sqft: 10000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 438	Location: National Average							
Gross Sqft: 10000	Floor Height (LF): 14							
No of Floors: 1								
N437	Library 4 Story 10,000 SF to 50,000 SF	<div>This model should be applied to a Library 4 Story 10,000 SF to 50,000 SF. The model is based on a 4-story building with 32000.00 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel, metal deck.</div> <table><tr><td>Perimeter (LF): 420</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 32000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 420	Location: National Average	Gross Sqft: 32000	Floor Height (LF): 14	No of Floors: 4	
Perimeter (LF): 420	Location: National Average							
Gross Sqft: 32000	Floor Height (LF): 14							
No of Floors: 4								
N454	Cafeteria 2,000 SF to 40,000 SF	<div>This model should be applied to a Cafeteria, 2,000 to 40,000 SF. The model is based on a 1-story building with 12000.00 square feet of floor area. The structure is Brick veneer on CMU / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 480</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 12000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 480	Location: National Average	Gross Sqft: 12000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 480	Location: National Average							
Gross Sqft: 12000	Floor Height (LF): 12							
No of Floors: 1								

**Replacement Plant Value (RPV) Model Descriptions**

RPV Model	RPV Model Name	RPV Model Description	
N457	Cafeteria, 2 Story, 10,000 SF to 50,000 SF	This model should be applied to a Cafeteria, 2 Story 10,000 SF to 50,000 SF. The model is based on a 2-story building with 42000.00 square feet of floor area. The structure is Brick Veneer metal stud / Steel joist, metal deck.	
		Perimeter (LF): 897	Location: National Average
		Gross Sqft: 42000	Floor Height (LF): 12
		No of Floors: 2	

## Chapter

## 6

# 6. Laboratory

RPV Model	RPV Model Name	RPV Model Description						
N08	Labs - Hard Engineered (80/20)	<p>This model should be applied to laboratories used for construction and testing of equipment and is based on 80% lab space and 20% office. The model is based on a 2-story building with 100,000 square feet of floor area. The structure is steel frame, with precast concrete exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 900</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 100,000</td><td>Floor Height (LF): 15</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 900	Location: National Average	Gross Sqft: 100,000	Floor Height (LF): 15	No of Floors: 2	
Perimeter (LF): 900	Location: National Average							
Gross Sqft: 100,000	Floor Height (LF): 15							
No of Floors: 2								
N09	Labs - Biology Environmental (80/20)	<p>This model should be applied to laboratories used for biology and environmental research and is based on 80% lab space and 20% office. The model is based on a 3-story building with 60,000 square feet of floor area. The structure is steel frame, with precast concrete exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 60,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 60,000	Floor Height (LF): 14	No of Floors: 3	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 60,000	Floor Height (LF): 14							
No of Floors: 3								
N10	Labs - Chemistry (80/20)	<p>This model should be applied to laboratories used for chemistry research and is based on 80% lab space and 20% office. The model is based on a 3-story building with 60,000 square feet of floor area. The structure is steel frame, with precast concrete exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 60,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 60,000	Floor Height (LF): 14	No of Floors: 3	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 60,000	Floor Height (LF): 14							
No of Floors: 3								

RPV Model	RPV Model Name	RPV Model Description						
N11	Labs - Physics/Computer (80/20)	<p>This model should be applied to laboratories used for physics and computer research and is based on 80% lab space and 20% office. The model is based on a 4-story building with 80,000 square feet of floor area. The structure is steel frame, with precast concrete exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 80,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 80,000	Floor Height (LF): 14	No of Floors: 4	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 80,000	Floor Height (LF): 14							
No of Floors: 4								
N12	Labs - Test/Blast (80/20)	<p>This model should be applied to laboratories used for heavy testing and explosive blast testing research and is based on 80% lab space and 20% office. The model is based on a 3-story building with 60,000 square feet of floor area. The structure is steel frame, with precast concrete exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 60,000</td><td>Floor Height (LF): 17</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 60,000	Floor Height (LF): 17	No of Floors: 3	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 60,000	Floor Height (LF): 17							
No of Floors: 3								
N21	Labs - Hard Engineered (50/50)	<p>This model should be applied to laboratories used for construction and testing of equipment and is based on 50% lab space and 50% office. The model is based on a 3-story building with 100,000 square feet of floor area. The structure is steel frame, with precast concrete exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 900</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 100,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 900	Location: National Average	Gross Sqft: 100,000	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 900	Location: National Average							
Gross Sqft: 100,000	Floor Height (LF): 12							
No of Floors: 3								
N22	Labs - Biology Environmental (50/50)	<p>This model should be applied to laboratories used for biology and environmental research and is based on 50% lab space and 50% office. The model is based on a 3-story building with 60,000 square feet of floor area. The structure is steel frame, with precast concrete exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 60,000</td><td>Floor Height (LF): 15</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 60,000	Floor Height (LF): 15	No of Floors: 3	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 60,000	Floor Height (LF): 15							
No of Floors: 3								

RPV Model	RPV Model Name	RPV Model Description						
N23	Labs - Chemistry (50/50)	<div>This model should be applied to laboratories used for chemistry research and is based on 50% lab space and 50% office. The model is based on a 3-story building with 60,000 square feet of floor area. The structure is steel frame, with precast concrete exterior, built-up membrane roof, and roof-top HVAC units and central air system.</div> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 60,000</td><td>Floor Height (LF): 15</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 60,000	Floor Height (LF): 15	No of Floors: 3	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 60,000	Floor Height (LF): 15							
No of Floors: 3								
N24	Labs - Physics/Computer (50/50)	<div>This model should be applied to laboratories used for physics and computer research and is based on 50% lab space and 50% office. The model is based on a 4-story building with 80,000 square feet of floor area. The structure is steel frame, with precast concrete exterior, built-up membrane roof, and roof-top HVAC units and central air system.</div> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 80,000</td><td>Floor Height (LF): 15</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 80,000	Floor Height (LF): 15	No of Floors: 4	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 80,000	Floor Height (LF): 15							
No of Floors: 4								
N25	Labs - Test/Blast (50/50)	<div>This model should be applied to laboratories used for heavy testing and explosive blast testing research and is based on 50% lab space and 50% office. The model is based on a 3-story building with 60,000 square feet of floor area. The structure is steel frame, with precast concrete exterior, built-up membrane roof, and roof-top HVAC units and central air system.</div> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 60,000</td><td>Floor Height (LF): 17</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 60,000	Floor Height (LF): 17	No of Floors: 3	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 60,000	Floor Height (LF): 17							
No of Floors: 3								

RPV Model	RPV Model Name	RPV Model Description						
N31	Labs - High Radiation Examination	<p>The estimate is for a 46,416 SF (excluding basement) High Radiation Examination Laboratory. The foundation is structural concrete. In addition, there is a barium concrete core/cell areas for observing Radiationioactive reactions. The exterior structure is a combination of steel framing and reinforced concrete block. Exterior veneer is a combination of brick, metal siding and painted finishes. Floor construction consist of a basement slab on gRadiatione and structural concrete floors. The roof is built up bituminous. Toilet and locker rooms for employees are included. Fire protection system for the facility is included. Heating for the building is provided through a central heating plant with backup systems in the facility. Electrical power, control systems and backup systems have been provided. Interior construction is a combination of CMU and gypsum partitions. Reactor equipment has not been included.</p> <table><tr><td>Perimeter (LF): 530</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 46,616</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 530	Location: National Average	Gross Sqft: 46,616	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 530	Location: National Average							
Gross Sqft: 46,616	Floor Height (LF): 12							
No of Floors: 3								
N190	General Research Lab 50 SF to 999 SF	<p>This model should be applied to a building less than 999 SF. The model is based on a 1-story building with 500 square feet of floor area. The structure is cast in place concrete.</p> <table><tr><td>Perimeter (LF): 96</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 500</td><td>Floor Height (LF): 9</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 96	Location: National Average	Gross Sqft: 500	Floor Height (LF): 9	No of Floors: 1	
Perimeter (LF): 96	Location: National Average							
Gross Sqft: 500	Floor Height (LF): 9							
No of Floors: 1								
N191	General Research Lab 1,000 SF to 49,000 SF	<p>This model should be applied to a building less than 49,000 SF. The model is based on a 1-story building with 4,550 square feet of floor area. The structure is cast in place concrete.</p> <table><tr><td>Perimeter (LF): 316</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 4550</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 316	Location: National Average	Gross Sqft: 4550	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 316	Location: National Average							
Gross Sqft: 4550	Floor Height (LF): 12							
No of Floors: 1								
N192	General Research Lab 50,000 SF to 160,000 SF	<p>This model should be applied to a building less than 160,000 SF. The model is based on a 1-story building with 151,500 square feet of floor area. The structure is cast in place concrete.</p> <table><tr><td>Perimeter (LF): 1,566</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 151,500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1,566	Location: National Average	Gross Sqft: 151,500	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 1,566	Location: National Average							
Gross Sqft: 151,500	Floor Height (LF): 12							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description		
N193	General Research Lab 500 SF to 15,000 SF	<p>This model should be applied to a building less than 14,999 SF. The model is based on a 2-story building with 12,400 square feet of floor area. The structure is cast in place concrete.</p>	Perimeter (LF): 316	Location: National Average
			Gross Sqft: 12,400	Floor Height (LF): 12
			No of Floors: 2	
N194	General Research Lab 1,500 SF to 60,000 SF	<p>This model should be applied to a building less than 59,999 SF. The model is based on a 2-story building with 24,000 square feet of floor area. The structure is EIFS on metal studs.</p>	Perimeter (LF): 468	Location: National Average
			Gross Sqft: 24,000	Floor Height (LF): 12
			No of Floors: 2	
N195	General Research Lab 60,000 SF to 200,000 SF	<p>This model should be applied to a building less than 300,000 SF. The model is based on a 2-story building with 105,660 square feet of floor area. The structure is cast in place concrete.</p>	Perimeter (LF): 1,004	Location: National Average
			Gross Sqft: 105,660	Floor Height (LF): 12
			No of Floors: 2	
N196	General Research Lab 10,000 SF to 59,999 SF	<p>This model should be applied to a building less than 59,999 SF. The model is based on a 3-story building with 10,670 square feet of floor area. The structure is cast in place concrete.</p>	Perimeter (LF): 258	Location: National Average
			Gross Sqft: 10,670	Floor Height (LF): 12
			No of Floors: 3	
N197	General Research Lab 80,000 SF to 200,000 SF	<p>This model should be applied to a building less than 200,000 SF. The model is based on a 3-story building with 157,230 square feet of floor area. The structure is cast in place concrete.</p>	Perimeter (LF): 976	Location: National Average
			Gross Sqft: 157,230	Floor Height (LF): 12
			No of Floors: 3	



RPV Model	RPV Model Name	RPV Model Description		
N198	General Research Lab 40,000 SF to 115,000 SF	<p>This model should be applied to a building less than 115,000 SF. The model is based on a 4-story building with 84,300 square feet of floor area. The structure is cast in place concrete.</p>		
			Perimeter (LF): 614	Location: National Average
			Gross Sqft: 84,300	Floor Height (LF): 12
			No of Floors: 4	
N199	General Research Lab 50,000 SF to 170, 000 SF	<p>This model should be applied to a building less than 170,000 SF. The model is based on a 6-story building with 146,550 square feet of floor area. The structure is cast in place concrete.</p>		
			Perimeter (LF): 648	Location: National Average
			Gross Sqft: 146,550	Floor Height (LF): 12
			No of Floors: 6	
N371	Test Structure 200 SF to 2,000 SF	<p>This model should be applied to a Test Structure, 200 SF to 2,000 SF. The model is based on a 1-story building with 1500.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p>		
			Perimeter (LF): 170	Location: National Average
			Gross Sqft: 1500	Floor Height (LF): 14
			No of Floors: 1	
N395	General Lab 5 story 50,000 SF to 250,000 SF	<p>This model should be applied to a General Lab, 5 Story, 50,000 to 250,000 SF. The model is based on a 5-story building with 140000.00 square feet of floor area. The structure is Concrete Block / Struct steel, bar joists, conc..</p>		
			Perimeter (LF): 692	Location: National Average
			Gross Sqft: 140000	Floor Height (LF): 12
			No of Floors: 5	
N405	Research Lab with Clean Rooms, 2 Story, 15,000 SF to 60,000 SF	<p>This model should be applied to a Research Lab with Clean Rooms, 2 Story, 15,000 SF to 60,000 SF. This model is based on a 2-story building with 35000 square feet of floor area. The structure is Brick Veneer metal stud / Steel joist metal deck.</p>		
			Perimeter (LF): 564	Location: National Average
			Gross Sqft: 35000	Floor Height (LF): 12
			No of Floors: 2	

RPV Model	RPV Model Name	RPV Model Description		
N413	Research Lab with Clean Rooms, 1,000 to 49,000 SF	This model should be applied to a Research Lab with Clean Rooms, 1,000 to 49,000 SF. This model is based on a 1-story building with 4550 square feet of floor area. The structure is Brick Veneer metal stud / Steel joist metal deck.		
			Perimeter (LF): 316	Location: National Average
			Gross Sqft: 4550	Floor Height (LF): 12
			No of Floors: 1	
N418	Lab with Clean Room, 5 Story, 75,000 SF to 250,000 SF	This model should be applied to a Lab with Clean Room, 5 Story, 75,000 SF to 250,000 SF. This model is based on a 5-story building with 120000 square feet of floor area. The structure is Brick Veneer metal stud / Structural steel, conc. decks.		
			Perimeter (LF): 630	Location: National Average
			Gross Sqft: 120000	Floor Height (LF): 12
			No of Floors: 5	
N439	High Bay Lab 750 SF to 3,200 SF	This model should be applied to a High Bay Lab, 750 to 3,200 SF . The model is based on a 1-story building with 3200.00 square feet of floor area. The structure is DOE N441 High Bay Lab.		
			Perimeter (LF): 244	Location: National Average
			Gross Sqft: 3200	Floor Height (LF): 36
			No of Floors: 1	
N446	Bunker Style Lab 400 SF to 5,000 SF	This model should be applied to a Bunker Style Lab, 400 to 5,000 SF. The model is based on a 1-story building with 1000.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.		
			Perimeter (LF): 140	Location: National Average
			Gross Sqft: 1000	Floor Height (LF): 18
			No of Floors: 1	
N476	General Lab, 5 Story, 10,000 SF to 49,000 SF	This model should be applied to a General Lab, 5 Story, 10,000 SF to 49,000 SF. This model is based on a 5-story building with 40000 square feet of floor area. The structure is Concrete Block / Struct steel, bar joists, conc..		
			Perimeter (LF): 392	Location: National Average
			Gross Sqft: 40000	Floor Height (LF): 12
			No of Floors: 5	

RPV Model	RPV Model Name	RPV Model Description	
N478	MESA Micro-fab East, 3 Story, 50,000 to 150,000 SF	This model should be applied to a MESA Micro-fab East, 3 Story, 50,000 to 150,000 SF. This model is based on a 3-story building with 96000 square feet of floor area. The structure is Precast Concrete Panels / Struct steel, bar joists, conc..	
		Perimeter (LF): 784	Location: National Average
		Gross Sqft: 96000	Floor Height (LF): 16
		No of Floors: 3	
N480	MESA Microlab East, 5 Story, 150,000 to 200,000 SF	This model should be applied to a MESA Microlab East, 5 Story, 150,000 to 200,000 SF. This model is based on a 5-story building with 171500 square feet of floor area. The structure is Precast Concrete / Struct steel, bar joists, conc..	
		Perimeter (LF): 812	Location: National Average
		Gross Sqft: 171500	Floor Height (LF): 14
		No of Floors: 5	
N481	Microelectronics Lab, 3 Story, 50,000 to 100,000 SF	This model should be applied to a Microelectronics Lab, 3 Story, 50,000 to 100,000 SF. This model is based on a 3-story building with 73500 square feet of floor area. The structure is Precast Concrete / Struct steel, bar joists, conc..	
		Perimeter (LF): 686	Location: National Average
		Gross Sqft: 73500	Floor Height (LF): 16
		No of Floors: 3	
N484	Environmental Test Lab, 25,000 to 75,000 SF	This model should be applied to a Environmental Test Lab, 25,000 to 75,000 SF. This model is based on a 2-story building with 56500 square feet of floor area. The structure is Precast Concrete Panels / Struct steel, bar joists, conc..	
		Perimeter (LF): 736	Location: National Average
		Gross Sqft: 56500	Floor Height (LF): 14
		No of Floors: 2	

## Chapter

## 7

## 7. Office

RPV Model	RPV Model Name	RPV Model Description						
E11	Laboratory – Office	<p>This model should be applied to all simple light use combination laboratory/office uses such as a medical diagnostic lab. The model is based on a 1-story building with 45,000 square feet of floor area. The structure is masonry bearing wall with steel joists, with brick veneer and CMU backup exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 900</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 45,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 900	Location: National Average	Gross Sqft: 45,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 900	Location: National Average							
Gross Sqft: 45,000	Floor Height (LF): 12							
No of Floors: 1								
E15	Office – Small	<p>This model should be applied to small office facilities less than 80,000SF. The model is based on a 3-story building with 35,000 square feet of floor area. The structure is steel frame, with brick veneer and CMU backup exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 440</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 35,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 440	Location: National Average	Gross Sqft: 35,000	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 440	Location: National Average							
Gross Sqft: 35,000	Floor Height (LF): 12							
No of Floors: 3								
E16	Office – Medium	<p>This model should be applied to medium size office facilities between 80,000 and 150,000SF. The model is based on a 3-story building with 80,000 square feet of floor area. The structure is concrete frame, with glass curtainwall exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 670</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 80,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 670	Location: National Average	Gross Sqft: 80,000	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 670	Location: National Average							
Gross Sqft: 80,000	Floor Height (LF): 12							
No of Floors: 3								

RPV Model	RPV Model Name	RPV Model Description						
E17	Office – Large	<p>This model should be applied to large size office facilities between 150,000 and 250,000SF. The model is based on an 8-story building with 150,000 square feet of floor area. The structure is steel frame, with precast concrete exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 560</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 150,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 8</td><td></td></tr></table>	Perimeter (LF): 560	Location: National Average	Gross Sqft: 150,000	Floor Height (LF): 12	No of Floors: 8	
Perimeter (LF): 560	Location: National Average							
Gross Sqft: 150,000	Floor Height (LF): 12							
No of Floors: 8								
E28	Office One Story	<p>This model is a one-story office facility. The model is based on a 1-story building with 7,000 square feet of floor area. The structure is brick on block with a steel roof deck and single ply membrane roof.</p> <table><tr><td>Perimeter (LF): 360</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 7,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 360	Location: National Average	Gross Sqft: 7,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 360	Location: National Average							
Gross Sqft: 7,000	Floor Height (LF): 12							
No of Floors: 1								
N30	Office with Atrium	<p>The model should be applied to a large office building. The model is based on a 2-story office building with approximately 33,000 SF per floor totaling 66,000 SF. The structure included structural steel framing supported by concrete foundations. Exterior enclosure is metal wall panels and glazed curtain walls. Roofing is EPDM Membrane trimmed with aluminum flashing. The building is fire protected. The HVAC system is a combination of hot water boilers and roof top units. A 2000-amp service with power, lighting, fire alarm, public address and tel/data cables are provided. This model includes a cafeteria, computer center, auditorium support functions and an atrium. This model is based on a building at Thomas Jefferson National Accelerator Facility.</p> <table><tr><td>Perimeter (LF): 1,530</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 66,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 1,530	Location: National Average	Gross Sqft: 66,000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 1,530	Location: National Average							
Gross Sqft: 66,000	Floor Height (LF): 12							
No of Floors: 2								
N59	Metal Building – Office 20,000 SF	<p>This model should be applied to all office and support type facilities. The model is based on a 1-story building with 20,000 square feet of floor area. The structure is steel frame, with metal siding exterior, metal roof, and split system AC units with fan coils.</p> <table><tr><td>Perimeter (LF): 570</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 570	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 570	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 14							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N60	Metal Building – Office 40,000 SF	<div>This model should be applied to all office and support type facilities. The model is based on a 1-story building with 40,000 square feet of floor area. The structure is steel frame, with metal siding exterior, metal roof, and split system AC units with fan coils.</div> <table><tr><td>Perimeter (LF): 800</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 40,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 800	Location: National Average	Gross Sqft: 40,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 800	Location: National Average							
Gross Sqft: 40,000	Floor Height (LF): 14							
No of Floors: 1								
N68	Office Cast in Place Concrete 2 Story	<div>This model should be applied to office facilities less than 36,000 SF. The model is based on a 2-story building with 20,000 square feet of floor area. The structure is Cast in Place with precast wall panels, single-ply membrane roof, and roof-top HVAC units and central air system.</div> <table><tr><td>Perimeter (LF): 400</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 400	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 400	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 12							
No of Floors: 2								
N69	Office Cast in Place Concrete 4 Story	<div>This model should be applied to office facilities less than 80,000 SF. The model is based on a 4-story building with 40,000 square feet of floor area. The structure is Cast in Place with precast wall panels, single-ply membrane roof, and roof-top HVAC units and central air system.</div> <table><tr><td>Perimeter (LF): 400</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 40,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 400	Location: National Average	Gross Sqft: 40,000	Floor Height (LF): 12	No of Floors: 4	
Perimeter (LF): 400	Location: National Average							
Gross Sqft: 40,000	Floor Height (LF): 12							
No of Floors: 4								
N89	Two Story Office Building	<div>This model should be applied to an office building less than 20,000 SF. The model is based on a 2-story building with 7,500 square feet of floor area. The structure is brick veneer on CMU.</div> <table><tr><td>Perimeter (LF): 438</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 438	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 10	No of Floors: 2	
Perimeter (LF): 438	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 10							
No of Floors: 2								
N90	One Story Office Building	<div>This model should be applied to an office building less than 25,000 SF. The model is based on a 1-story building with 12,500 square feet of floor area. The structure is brick veneer on CMU.</div> <table><tr><td>Perimeter (LF): 552</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 15,900</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 552	Location: National Average	Gross Sqft: 15,900	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 552	Location: National Average							
Gross Sqft: 15,900	Floor Height (LF): 10							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N188	Office 150 SF to 500 SF	<div>This model should be applied to a Office 150 to 500 SF. The model is based on a 1-story building with 300 square feet of floor area. The structure is Concrete Block / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 70</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 300</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 70	Location: National Average	Gross Sqft: 300	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 70	Location: National Average							
Gross Sqft: 300	Floor Height (LF): 8							
No of Floors: 1								
N349	Office Building, 3 story 14,000 SF to 150,000 SF	<div>This model should be applied to a Office Building, 3 story 14000 SF to 150000 SF. The model is based on a 3-story building with 20000 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 336</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 336	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 336	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 12							
No of Floors: 3								
N389	Office Building, 3 story 200,000 SF to 500,000 SF	<div>This model should be applied to a Office Building, 3 story 200,000 SF to 500,000 SF. The model is based on a 3-story building with 335000 square feet of floor area. The structure is Precast Concrete Panel / Structural steel, conc. decks.</div> <table><tr><td>Perimeter (LF): 1384</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 335,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 1384	Location: National Average	Gross Sqft: 335,000	Floor Height (LF): 14	No of Floors: 3	
Perimeter (LF): 1384	Location: National Average							
Gross Sqft: 335,000	Floor Height (LF): 14							
No of Floors: 3								
N460	Office, 6 story, 80,000 SF to 250,000 SF	<div>This model should be applied to an Office, 6 Story 80,000 SF to 250,000 SF. The model is based on a 6-story building with 170000.00 square feet of floor area. The structure is Cast in Place Concrete / Concrete Frame.</div> <table><tr><td>Perimeter (LF): 737</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 170000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 6</td><td></td></tr></table>	Perimeter (LF): 737	Location: National Average	Gross Sqft: 170000	Floor Height (LF): 12	No of Floors: 6	
Perimeter (LF): 737	Location: National Average							
Gross Sqft: 170000	Floor Height (LF): 12							
No of Floors: 6								
N461	Office, 8 Story, 125,000 SF to 350,000 SF	<div>This model should be applied to a Office, 8 Story 125,000 SF to 350,000 SF. The model is based on a 8-story building with 300000.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 979</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 300000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 8</td><td></td></tr></table>	Perimeter (LF): 979	Location: National Average	Gross Sqft: 300000	Floor Height (LF): 12	No of Floors: 8	
Perimeter (LF): 979	Location: National Average							
Gross Sqft: 300000	Floor Height (LF): 12							
No of Floors: 8								

RPV Model	RPV Model Name	RPV Model Description		
N464	Office, 7 Story 100,000 SF to 300,000 SF	This model should be applied to a Office, 7 Story 100,000 SF to 300,000 SF. This model is based on a 7-story building with 106000 square feet of floor area. The structure is Cast in Place Concrete / Concrete Frame.		
			Perimeter (LF): 539	Location: National Average
			Gross Sqft: 300000	Floor Height (LF): 12
			No of Floors: 7	
N465	Office, 2 Story 75,000 SF to 300,000 SF	This model should be applied to a Office, 2 Story 75,000 SF to 300,000 SF. This model is based on a 2-story building with 180000 square feet of floor area. The structure is Cast in Place Concrete / Concrete Frame.		
			Perimeter (LF): 1313	Location: National Average
			Gross Sqft: 300000	Floor Height (LF): 12
			No of Floors: 2	
N489	Office, 5 Story, 90,000 to 200,000 SF	This model should be applied to an Office, 5 Story, 90,000 to 200,000 SF. This model is based on a 5-story building with 155000 square feet of floor area. The structure is Precast Concrete Panels / Cast in place concrete.		
			Perimeter (LF): 780	Location: National Average
			Gross Sqft: 200000	Floor Height (LF):
			No of Floors:	
N486	Z Administration Shops, 100,000 to 120,000 SF	This model should be applied to a Z Administration Shops, 100,000 to 120,000 SF. This model is based on a 1-story building with 115000 square feet of floor area. The structure is Precast Concrete Panels / Structural steel bar joists.		
			Perimeter (LF): 1484	Location: National Average
			Gross Sqft: 115000	Floor Height (LF): 14
			No of Floors: 1	
N493	Office, 50,000 to 175,000 SF	This model should be applied to a Office, 50,000 to 175,000 SF. This model is based on a 1-story building with 76200 square feet of floor area. The structure is Concrete Block / Structural steel bar joists.		
			Perimeter (LF): 1208	Location: National Average
			Gross Sqft: 76200	Floor Height (LF): 12
			No of Floors: 1	
N494	Office, 4 Story, 60,000 to 200,000 SF	This model should be applied to a Office, 4 Story, 60,000 to 200,000 SF. This model is based on a 4-story building with 82000 square feet of floor area. The structure is Brick Veneer metal stud / Struct steel, bar joists, conc.		
			Perimeter (LF): 628	Location: National Average
			Gross Sqft: 82000	Floor Height (LF): 12
			No of Floors: 4	



**Replacement Plant Value (RPV) Model Descriptions**

RPV Model	RPV Model Name	RPV Model Description	
N495	Office, 4 Story, 10,000 to 50,000 SF	This model should be applied to a Office, 4 Story, 10,000 to 50,000 SF. This model is based on a 4-story building with 40000 square feet of floor area. The structure is Brick Veneer metal stud / Struct stl, bar joists, conc.	
		Perimeter (LF): 440	Location: National Average
		Gross Sqft: 40000	Floor Height (LF): 12
		No of Floors: 4	

## Chapter

## 8

## 8. Other Structure and Facilities

RPV Model	RPV Model Name	RPV Model Description						
N78	Shed 300 SF Open	<div>This model should be applied to storage sheds with open sides. The model is based upon a 1 story building with 300 square feet of floor area. The structure is tube steel columns and headers with metal roof panels on light gauge framing.</div> <table><tr><td>Perimeter (LF): 54</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 180</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 54	Location: National Average	Gross Sqft: 180	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 54	Location: National Average							
Gross Sqft: 180	Floor Height (LF): 8							
No of Floors: 1								
N79	Shed 300 SF Open, Electricity	<div>This model should be applied to storage sheds with open sides and electrical service. The model is based upon a 1 story building with 300 square feet of floor area. The structure is tube steel columns and headers with metal roof panels on light gauge framing.</div> <table><tr><td>Perimeter (LF): 54</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 180</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 54	Location: National Average	Gross Sqft: 180	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 54	Location: National Average							
Gross Sqft: 180	Floor Height (LF): 8							
No of Floors: 1								
N80	Shed 840 SF Open	<div>This model should be applied to storage sheds with open sides. The model is based upon a 1 story building with 840 square feet of floor area. The structure is tube steel columns and headers with metal roof panels on light gauge framing.</div> <table><tr><td>Perimeter (LF): 138</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,100</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 138	Location: National Average	Gross Sqft: 1,100	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 138	Location: National Average							
Gross Sqft: 1,100	Floor Height (LF): 8							
No of Floors: 1								
N81	Shed 840 SF Open, Electricity	<div>This model should be applied to storage sheds with open sides and electrical service. The model is based upon a 1 story building with 840 square feet of floor area. The structure is tube steel columns and headers with metal roof panels on light gauge framing.</div> <table><tr><td>Perimeter (LF): 132</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1000</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 132	Location: National Average	Gross Sqft: 1000	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 132	Location: National Average							
Gross Sqft: 1000	Floor Height (LF): 8							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N113	Partially Enclosed Shed	<div>This model should be applied to a partially enclosed storage shed less than 1,000 SF. The model is based on a 1-story building with 400 square feet of floor area. The structure is metal siding on metal framing.</div> <table><tr><td>Perimeter (LF): 80</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 400</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 80	Location: National Average	Gross Sqft: 400	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 80	Location: National Average							
Gross Sqft: 400	Floor Height (LF): 8							
No of Floors: 1								
N114	Partially Enclosed Shed with Electrical	<div>This model should be applied to a partially enclosed storage shed less than 2,500 SF. The model is based on a 1-story building with 1,800 square feet of floor area. The structure is metal siding on metal framing.</div> <table><tr><td>Perimeter (LF): 80</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,800</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 80	Location: National Average	Gross Sqft: 1,800	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 80	Location: National Average							
Gross Sqft: 1,800	Floor Height (LF): 8							
No of Floors: 1								
N385	Lagoon by Surface Area 20 SF to 1,340 SF	<div>This model should be applied to a Lagoon, by Surface Area, 20 to 1,340 SF . The model is based on a 1-story building with 470.00 square feet of floor area. The structure is Existing / Exist.</div> <table><tr><td>Perimeter (LF): 96</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 470</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 96	Location: National Average	Gross Sqft: 470	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 96	Location: National Average							
Gross Sqft: 470	Floor Height (LF): 10							
No of Floors: 1								
N487	Solar Power Tower, 4 Story, 10,000 to 20,000 SF	<div>This model should be applied to a Solar Power Tower, 4 Story, 10,000 to 20,000 SF. This model is based on a 4-story building with 14600 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 264</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 14600</td><td>Floor Height (LF): 24</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 264	Location: National Average	Gross Sqft: 14600	Floor Height (LF): 24	No of Floors: 4	
Perimeter (LF): 264	Location: National Average							
Gross Sqft: 14600	Floor Height (LF): 24							
No of Floors: 4								

## Chapter

## 9

# 9. Parking

RPV Model	RPV Model Name	RPV Model Description						
E18	Parking - Above Ground	<div>This model should be applied to above ground parking structures and decks. The model is based on a 5-story building with 115,000 square feet of floor area. The structure is concrete frame, with precast concrete exterior, no roof, and no mechanical HVAC systems.</div> <table><tr><td>Perimeter (LF): 638</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 115,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 5</td><td></td></tr></table>	Perimeter (LF): 638	Location: National Average	Gross Sqft: 115,000	Floor Height (LF): 10	No of Floors: 5	
Perimeter (LF): 638	Location: National Average							
Gross Sqft: 115,000	Floor Height (LF): 10							
No of Floors: 5								
E19	Parking - Below Ground	<div>This model should be applied to below ground parking structures and decks. The model is based on a 2-story building with 100,000 square feet of floor area. The structure is concrete frame, with concrete foundation walls, no roof, and no mechanical HVAC systems.</div> <table><tr><td>Perimeter (LF): 900</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 110,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 900	Location: National Average	Gross Sqft: 110,000	Floor Height (LF): 10	No of Floors: 2	
Perimeter (LF): 900	Location: National Average							
Gross Sqft: 110,000	Floor Height (LF): 10							
No of Floors: 2								
N61	Metal Building - Car Port	<div>This model should be applied to all carport and storage type facilities. The model is based on an open structure with 570 square feet of floor area. The structure is steel frame, with metal siding exterior, metal roof.</div> <table><tr><td>Perimeter (LF): 96</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 570</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 96	Location: National Average	Gross Sqft: 570	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 96	Location: National Average							
Gross Sqft: 570	Floor Height (LF): 10							
No of Floors: 1								
N449	Parking Garage 2,000 SF to 300,000 SF	<div>This model should be applied to a Parking Garage, 2,000 to 300,000 SF. The model is based on a 4-story building with 120000.00 square feet of floor area. The structure is Precast Concrete Panel / Precast Concrete.</div> <table><tr><td>Perimeter (LF): 760</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 120000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 760	Location: National Average	Gross Sqft: 120000	Floor Height (LF): 10	No of Floors: 4	
Perimeter (LF): 760	Location: National Average							
Gross Sqft: 120000	Floor Height (LF): 10							
No of Floors: 4								

# Chapter 10

## 10. Post Office

RPV Model	RPV Model Name	RPV Model Description						
E21	Post Office/Mail Handling	<p>This model should be applied to all post office and mail facilities. The model is based on a 1-story building with 13,000 square feet of floor area. The structure is steel frame, with brick veneer and CMU backup exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 486</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 13,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 486	Location: National Average	Gross Sqft: 13,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 486	Location: National Average							
Gross Sqft: 13,000	Floor Height (LF): 14							
No of Floors: 1								
N458	Post Office 500 SF to 3,000 SF	<p>This model should be applied to a Post Office, 500 SF to 3,000SF . The model is based on a 1-story building with 2400.00 square feet of floor area. The structure is Face Brick with Concrete Block Back-up / Steel Frame.</p> <table><tr><td>Perimeter (LF): 214</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2400</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 214	Location: National Average	Gross Sqft: 2400	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 214	Location: National Average							
Gross Sqft: 2400	Floor Height (LF): 14							
No of Floors: 1								

# Chapter

# 11

## 11. Research and Development

RPV Model	RPV Model Name	RPV Model Description						
N34	Accelerator - Ring	<p>The estimate includes General Contractor work for providing site, concrete, waterproofing, mechanical &amp; electrical work for a continuous electron beam accelerator tunnel and supporting stairways. The tunnel is essentially a continual concrete box approximately 4300 LF long with interior dimensions of 14' wide by 10' high. Dimensions vary at access building and stairways. Elevated and slab on gRadiationes vary from 2'-0" to 4'-0" thick. Six access stair locations are also included.</p> <table><tr><td>Perimeter (LF): 4,300</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 92,400</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 4,300	Location: National Average	Gross Sqft: 92,400	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 4,300	Location: National Average							
Gross Sqft: 92,400	Floor Height (LF): 10							
No of Floors: 1								
N187	Plutonium Building 200,000 SF to 300,000 Sf	<p>This model should be applied to a building less than 300,000 SF. The model is based on a 2-story building with 236,000 square feet of floor area. The structure is concrete block.</p> <table><tr><td>Perimeter (LF): 1,374</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 236,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 1,374	Location: National Average	Gross Sqft: 236,000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 1,374	Location: National Average							
Gross Sqft: 236,000	Floor Height (LF): 12							
No of Floors: 2								
N506	Accelerator Building, 7 Story, (ION Beam)	<p>This model should be applied to a Accelerator Building, 7 Story, (ION Beam). This model is based on a 7-story building with 56200 square feet of floor area. The structure is Metal Panel and Metal Studs / Struct steel, bar joists, conc..</p> <table><tr><td>Perimeter (LF): 392</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 56200</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 7</td><td></td></tr></table>	Perimeter (LF): 392	Location: National Average	Gross Sqft: 56200	Floor Height (LF): 12	No of Floors: 7	
Perimeter (LF): 392	Location: National Average							
Gross Sqft: 56200	Floor Height (LF): 12							
No of Floors: 7								

# Chapter

# 12

## 12. School

RPV Model	RPV Model Name	RPV Model Description						
E03	Auditorium/Meeting	<p>This model should be applied to uses such as meeting facilities and auditoriums. The model is based on a 1-story building with 24,000 square feet of floor area. The structure is light steel frame, with brick veneer and CMU backup exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 640</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 24,000</td><td>Floor Height (LF): 24</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 640	Location: National Average	Gross Sqft: 24,000	Floor Height (LF): 24	No of Floors: 1	
Perimeter (LF): 640	Location: National Average							
Gross Sqft: 24,000	Floor Height (LF): 24							
No of Floors: 1								
E05	Classroom - Small	<p>This model should be applied to uses such as small size classroom and training facilities. The model is based on a 1-story building with 45,000 square feet of floor area. The structure is steel frame, with brick veneer and CMU backup exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 922</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 45,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 922	Location: National Average	Gross Sqft: 45,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 922	Location: National Average							
Gross Sqft: 45,000	Floor Height (LF): 12							
No of Floors: 1								
E06	Classroom - Medium	<p>This model should be applied to uses such as medium size classroom and training facilities. The model is based on a 2-story building with 110,000 square feet of floor area. The structure is steel frame, with brick veneer and CMU backup exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 1,890</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 110,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 1,890	Location: National Average	Gross Sqft: 110,000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 1,890	Location: National Average							
Gross Sqft: 110,000	Floor Height (LF): 12							
No of Floors: 2								

RPV Model	RPV Model Name	RPV Model Description						
N04	Day Care Center	<div>This model should be applied to all day care centers and related facilities. The model is based on a 1-story building with 10,000 square feet of floor area. The structure is wood stud with brick veneer, wood trusses, asphalt shingle roof, forced hot air/fin tube Radiationiation heat.</div> <table><tr><td>Perimeter (LF): 440</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 10,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 440	Location: National Average	Gross Sqft: 10,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 440	Location: National Average							
Gross Sqft: 10,000	Floor Height (LF): 12							
No of Floors: 1								
N235	Examination and Testing Facility 150 SF to 5,000 SF	<div>This model should be applied to a Examination and Testing Facility 150 SF to 5,000 SF. The model is based on a 1-story building with 3500.00 square feet of floor area. The structure is Brick Veneer, metal stud / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 260</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 3500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 260	Location: National Average	Gross Sqft: 3500	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 260	Location: National Average							
Gross Sqft: 3500	Floor Height (LF): 12							
No of Floors: 1								
N299	Specialized Training Building 250 SF to 9,999 SF	<div>This model should be applied to a Specialized Training Building 250 SF to 9,999 SF. The model is based on a 1-story building with 4000 square feet of floor area. The structure is CMU / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 280</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 4,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 280	Location: National Average	Gross Sqft: 4,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 280	Location: National Average							
Gross Sqft: 4,000	Floor Height (LF): 12							
No of Floors: 1								
N300	Specialized Training Building 10,000 SF to 60,000 SF	<div>This model should be applied to a Specialized Training Building 10,000 SF to 60,000 SF. The model is based on a 1-story building with 12600 square feet of floor area. The structure is CMU / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 540</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 12,600</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 540	Location: National Average	Gross Sqft: 12,600	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 540	Location: National Average							
Gross Sqft: 12,600	Floor Height (LF): 12							
No of Floors: 1								
N303	Tactical Training Building, 2 Story, 10,000 SF to 30,000 SF	<div>This model should be applied to a Tactical Training Building, 2 Story 10,000 SF to 30,000 SF. The model is based on a 2-story building with 20000.00 square feet of floor area. The structure is Concrete / Concrete Frame.</div> <table><tr><td>Perimeter (LF): 500</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 500	Location: National Average	Gross Sqft: 20000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 500	Location: National Average							
Gross Sqft: 20000	Floor Height (LF): 12							
No of Floors: 2								



RPV Model	RPV Model Name	RPV Model Description						
N307	Auditorium 3,000 SF to 15,000 SF	<p>This model should be applied to a Auditorium 3,000 SF to 15,000 SF. The model is based on a 1-story building with 7500 square feet of floor area. The structure is Brick Veneer metal stud / Steel joist, metal deck.</p> <table><tr><td>Perimeter (LF): 400</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 7,500</td><td>Floor Height (LF): 24</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 400	Location: National Average	Gross Sqft: 7,500	Floor Height (LF): 24	No of Floors: 1	
Perimeter (LF): 400	Location: National Average							
Gross Sqft: 7,500	Floor Height (LF): 24							
No of Floors: 1								
N463	Classroom, 1,500 SF to 30,000 SF	<p>This model should be applied to a Classroom, 1,500 SF to 30,000 SF. This model is based on a 1-story building with 15900 square feet of floor area. The structure is Brick Veneer / Rigid Steel.</p> <table><tr><td>Perimeter (LF): 552</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 15900</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 552	Location: National Average	Gross Sqft: 15900	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 552	Location: National Average							
Gross Sqft: 15900	Floor Height (LF): 12							
No of Floors: 1								
N499	Classroom, 2 Story, 3,000 to 10,000 SF	<p>This model should be applied to a Classroom, 2 Story, 3,000 to 10,000 SF. This model is based on a 2-story building with 4900 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p> <table><tr><td>Perimeter (LF): 218</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 4900</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 218	Location: National Average	Gross Sqft: 4900	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 218	Location: National Average							
Gross Sqft: 4900	Floor Height (LF): 12							
No of Floors: 2								

# Chapter

# 13

## 13. Service

RPV Model	RPV Model Name	RPV Model Description						
E07	Fire Station	<p>This model should be applied to all fire station facilities. The model is based on a 1-story building with 8,000 square feet of floor area. The structure is steel frame, with decorative block exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 386</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 8,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 386	Location: National Average	Gross Sqft: 8,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 386	Location: National Average							
Gross Sqft: 8,000	Floor Height (LF): 14							
No of Floors: 1								
E08	Garage, Repair	<p>This model should be applied to vehicle repair type uses and facilities. The model is based on a 1-story building with 10,000 square feet of floor area. The structure is masonry bearing wall with steel joist, with painted concrete block exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 500</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 10,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 500	Location: National Average	Gross Sqft: 10,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 500	Location: National Average							
Gross Sqft: 10,000	Floor Height (LF): 14							
No of Floors: 1								
E09	Hangar - Service Building	<p>This model should be applied to hanger type uses and large clear-span open area facilities. The model is based on a 1-story building with 20,000 square feet of floor area. The structure is steel frame, with galvanized steel siding exterior, single-ply membrane roof, and unit heaters.</p> <table><tr><td>Perimeter (LF): 580</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 24</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 580	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 24	No of Floors: 1	
Perimeter (LF): 580	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 24							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
E10	Indoor Firing Range	<p>This model should be applied to indoor firing ranges with 4-6 firing stations. The model is based on a 1-story firing range with 4-6 firing stations 14,000 square feet of floor area. The structure is masonry bearing wall with steel joist, with painted concrete block exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 491</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 14,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 491	Location: National Average	Gross Sqft: 14,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 491	Location: National Average							
Gross Sqft: 14,000	Floor Height (LF): 14							
No of Floors: 1								
E12	Laundry	<p>This model should be applied to laundry type uses and facilities. The model is based on a 1-story building with 15,000 square feet of floor area. The structure is steel frame, with brick veneer and CMU backup exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 490</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 15,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 490	Location: National Average	Gross Sqft: 15,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 490	Location: National Average							
Gross Sqft: 15,000	Floor Height (LF): 12							
No of Floors: 1								
E22	Recreation Center / Gymnasium	<p>This model should be applied to all recreational and gymnasium facilities. The model is based on a 1-story building with 20,000 square feet of floor area. The structure is steel frame, with painted concrete block exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 486</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 25</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 486	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 25	No of Floors: 1	
Perimeter (LF): 486	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 25							
No of Floors: 1								
E23	Retail Store	<p>This model should be applied to all retail stores and product sales related facilities. The model is based on a 1-story building with 8,000 square feet of floor area. The structure is masonry bearing wall with steel joist, with decorative concrete block exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 360</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 8,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 360	Location: National Average	Gross Sqft: 8,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 360	Location: National Average							
Gross Sqft: 8,000	Floor Height (LF): 14							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
E26	Bank/Credit Union	<p>This model should be applied to all banking and credit union type facilities. The model is based on a 1-story building with 6,200 square feet of floor area. The structure is a steel frame building with steel joists, with brick veneer and CMU backup exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 317</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 6,200</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 317	Location: National Average	Gross Sqft: 6,200	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 317	Location: National Average							
Gross Sqft: 6,200	Floor Height (LF): 14							
No of Floors: 1								
E39	Telephone Exchange	<p>This model should be applied to all telephone exchange facilities and related uses. The model is based on a 1-story building with 5,000 square feet of floor area and a 12' story height. The structure is a face brick with concrete block back-up wall with steel joists and a single zone unit for gas heating and electric cooling.</p> <table><tr><td>Perimeter (LF): 286</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 5,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 286	Location: National Average	Gross Sqft: 5,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 286	Location: National Average							
Gross Sqft: 5,000	Floor Height (LF): 12							
No of Floors: 1								
N13	Machine Shop	<p>This model should be applied to all machine shop and support type facilities with overhead crane. The model is based on a 1-story building with 20,000 square feet of floor area. The structure is steel frame, with metal siding exterior, metal roof, and unit heaters and packaged AC units.</p> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 14							
No of Floors: 1								
N14	Maintenance Shops	<p>This model should be applied to all maintenance, tRadiatione, and support type facilities. The model is based on a 1-story building with 20,000 square feet of floor area. The structure is steel frame, with metal siding exterior, metal roof, and unit heaters and packaged AC units.</p> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 14							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N15	Paint Shop	<p>This model should be applied to all paint shop and support type facilities with paint booths. The model is based on a 1-story building with 20,000 square feet of floor area. The structure is steel frame, with metal siding exterior, metal roof, and unit heaters and packaged AC units.</p> <table><tr><td>Perimeter (LF): 600</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 600	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 600	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 14							
No of Floors: 1								
N55	Fire Station 2 Story	<p>This model should be applied to all fire station facilities. The model is based on a 2-story building with 10,000 square feet of floor area. The structure is steel frame, with decorative block exterior, built-up membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 390</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 15,900</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 390	Location: National Average	Gross Sqft: 15,900	Floor Height (LF): 14	No of Floors: 2	
Perimeter (LF): 390	Location: National Average							
Gross Sqft: 15,900	Floor Height (LF): 14							
No of Floors: 2								
N56	Metal Building - Shop 1,200 SF	<p>This model should be applied to all maintenance, tRadiatione, and support type facilities. The model is based on a 1-story building with 1,200 square feet of floor area. The structure is steel frame, with metal siding exterior, metal roof, and unit heaters and split system AC units with fan coils.</p> <table><tr><td>Perimeter (LF): 138</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,200</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 138	Location: National Average	Gross Sqft: 1,200	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 138	Location: National Average							
Gross Sqft: 1,200	Floor Height (LF): 14							
No of Floors: 1								
N57	Metal Building - Shop 36,000 SF	<p>This model should be applied to all maintenance, tRadiatione, and support type facilities. The model is based on a 1-story building with 36,000 square feet of floor area. The structure is steel frame, with metal siding exterior, metal roof, and unit heaters and split system AC units with fan coils.</p> <table><tr><td>Perimeter (LF): 760</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 36,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 760	Location: National Average	Gross Sqft: 36,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 760	Location: National Average							
Gross Sqft: 36,000	Floor Height (LF): 14							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N58	Metal Building - Shop 60,000 SF	<p>This model should be applied to all maintenance, tRadiatione, and support type facilities. The model is based on a 1-story building with 60,000 square feet of floor area. The structure is steel frame, with metal siding exterior, metal roof, and unit heaters and split system AC units with fan coils.</p> <table><tr><td>Perimeter (LF): 980</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 60,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 980	Location: National Average	Gross Sqft: 60,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 980	Location: National Average							
Gross Sqft: 60,000	Floor Height (LF): 14							
No of Floors: 1								
N70	Shop Cast in Place Concrete 24,000 SF	<p>This model should be applied to shop and support facilities less than 28,000 SF. The model is based on a 1-story building with 24,000 square feet of floor area. The structure is Cast in Place with precast wall panels, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 620</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 24,000</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 620	Location: National Average	Gross Sqft: 24,000	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 620	Location: National Average							
Gross Sqft: 24,000	Floor Height (LF): 16							
No of Floors: 1								
N71	Shop Cast in Place Concrete 42,000 SF	<p>This model should be applied to shop and support facilities less than 50,000 SF. The model is based on a 1-story building with 42,000 square feet of floor area. The structure is Cast in Place with precast wall panels, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 820</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 42,000</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 820	Location: National Average	Gross Sqft: 42,000	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 820	Location: National Average							
Gross Sqft: 42,000	Floor Height (LF): 16							
No of Floors: 1								
N73	Shaft with Elevator System	<p>This model should be applied to elevator shafts. The model is based on a 20-foot diameter shaft with ventilation.</p> <table><tr><td>Perimeter (LF): 14</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2,112</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 50</td><td></td></tr></table>	Perimeter (LF): 14	Location: National Average	Gross Sqft: 2,112	Floor Height (LF): 20	No of Floors: 50	
Perimeter (LF): 14	Location: National Average							
Gross Sqft: 2,112	Floor Height (LF): 20							
No of Floors: 50								
N76	Guard Shack Metal	<p>This model should be applied to guard shacks made primarily of metal. The model is based upon a 1-story building with 200 square feet of floor area. The structure is metal studs with metal panel walls and roof.</p> <table><tr><td>Perimeter (LF): 56</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 200</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 56	Location: National Average	Gross Sqft: 200	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 56	Location: National Average							
Gross Sqft: 200	Floor Height (LF): 8							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N77	Guard Shack Precast 20 SF to 1,000 SF	<div>This model should be applied to guard shacks made primarily of precast concrete. The model is based upon a 1-story building with 200 square feet of floor area. The structure is precast concrete wall panels and precast concrete roof panels.</div> <table><tr><td>Perimeter (LF): 56</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 200</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 56	Location: National Average	Gross Sqft: 200	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 56	Location: National Average							
Gross Sqft: 200	Floor Height (LF): 8							
No of Floors: 1								
N86	Guard Tower Metal	<div>This model should be applied to Guard Towers made primarily of metal. The model is based upon a structure that has 200 square feet of floor area. The structure is made of structural steel shapes and headers, with an enclosed space.</div> <table><tr><td>Perimeter (LF): 60</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 220</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 60	Location: National Average	Gross Sqft: 220	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 60	Location: National Average							
Gross Sqft: 220	Floor Height (LF): 8							
No of Floors: 1								
N87	Guard Tower Precast	<div>This model should be applied to Guard Towers made primarily of precast concrete. The model is based upon a structure that has 200 square feet of floor area. The structure is made of structural steel shapes and headers, with an enclosed precast space.</div> <table><tr><td>Perimeter (LF): 60</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 220</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 60	Location: National Average	Gross Sqft: 220	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 60	Location: National Average							
Gross Sqft: 220	Floor Height (LF): 8							
No of Floors: 1								
N94	Trade Shops 2,000 SF to 20,000 SF	<div>This model should be applied to a trade shop building less than 20,000 SF. The model is based on a 1-story building with 5,000 square feet of floor area. The structure is metal panel with metal frame.</div> <table><tr><td>Perimeter (LF): 285</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 5,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 285	Location: National Average	Gross Sqft: 5,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 285	Location: National Average							
Gross Sqft: 5,000	Floor Height (LF): 14							
No of Floors: 1								
N139	Change House 5,000 SF to 30,000 SF	<div>This model should be applied to a building less than 30,000 SF. The model is based on a 1-story building with 12,000 square feet of floor area. The structure is metal siding on metal framing.</div> <table><tr><td>Perimeter (LF): 460</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 625</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 460	Location: National Average	Gross Sqft: 625	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 460	Location: National Average							
Gross Sqft: 625	Floor Height (LF): 8							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N147	Conex with electrical 80 SF to 800 SF	<div>This model should be applied to a storage trailer less than 800 SF. The model is based on a 1-story trailer with 480 square feet of floor area. The structure is steel.</div> <table><tr><td>Perimeter (LF): 166</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 480</td><td>Floor Height (LF): 8.5</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 166	Location: National Average	Gross Sqft: 480	Floor Height (LF): 8.5	No of Floors: 1	
Perimeter (LF): 166	Location: National Average							
Gross Sqft: 480	Floor Height (LF): 8.5							
No of Floors: 1								
N260	Service Building 500 SF to 25,000 SF	<div>This model should be applied to a Service Building 500 SF to 25000 SF. The model is based on a 1-story building with 4200 square feet of floor area. The structure is Concrete Block / Stl joist mtl deck roof.</div> <table><tr><td>Perimeter (LF): 306</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 4,200</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 306	Location: National Average	Gross Sqft: 4,200	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 306	Location: National Average							
Gross Sqft: 4,200	Floor Height (LF): 14							
No of Floors: 1								
N265	Repair Shop 1,000 SF to 60,000 SF	<div>This model should be applied to a Repair Shop 1000 SF to 60000 SF. The model is based on a 1-story building with 3000 square feet of floor area. The structure is Cast in Place Concrete / Reinforced Concrete.</div> <table><tr><td>Perimeter (LF): 244</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 3,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 244	Location: National Average	Gross Sqft: 3,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 244	Location: National Average							
Gross Sqft: 3,000	Floor Height (LF): 12							
No of Floors: 1								
N266	Service Station 400 SF to 5,000 SF	<div>This model should be applied to a Service Station 400 SF to 5,000 SF. The model is based on a 1-story building with 2000.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 193</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 193	Location: National Average	Gross Sqft: 2000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 193	Location: National Average							
Gross Sqft: 2000	Floor Height (LF): 12							
No of Floors: 1								
N267	Service Building, 1 Story, 500 SF to 25,000 SF	<div>This model should be applied to a Service Building, 1 Story, 500 SF to 25,000 SF. The model is based on a 1-story building with 2000.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 138</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 138	Location: National Average	Gross Sqft: 2000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 138	Location: National Average							
Gross Sqft: 2000	Floor Height (LF): 12							
No of Floors: 1								



RPV Model	RPV Model Name	RPV Model Description						
N293	Physical Fitness Facility 1,000 SF to 15,000 SF	<div>This model should be applied to a Physical Fitness Facility 1,000 SF to 15,000 SF. The model is based on a 1-story building with 8000 square feet of floor area. The structure is CMU / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 420</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 8,000</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 420	Location: National Average	Gross Sqft: 8,000	Floor Height (LF): 20	No of Floors: 1	
Perimeter (LF): 420	Location: National Average							
Gross Sqft: 8,000	Floor Height (LF): 20							
No of Floors: 1								
N301	Fire Training Facility 500 SF to 1,000 SF	<div>This model should be applied to a Fire Training Facility 500 SF to 1,000 SF. The model is based on a 1-story building with 800.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 120</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 800</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 120	Location: National Average	Gross Sqft: 800	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 120	Location: National Average							
Gross Sqft: 800	Floor Height (LF): 10							
No of Floors: 1								
N308	Telescope Building 80 SF to 1,000 SF	<div>This model should be applied to a Telescope Building, 80 to 1,000 SF. The model is based on a 1-story building with 500.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 90</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 500</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 90	Location: National Average	Gross Sqft: 500	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 90	Location: National Average							
Gross Sqft: 500	Floor Height (LF): 10							
No of Floors: 1								
N320	Exterior Firing Range, per firing point	<div>This model should be applied to a Exterior firing range, per firing point. The model is based on a 1-story building with 100.00 square feet of floor area. The structure is Cast in Place Concrete / Wood joist plywood.</div> <table><tr><td>Perimeter (LF): 40</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 100</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 40	Location: National Average	Gross Sqft: 100	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 40	Location: National Average							
Gross Sqft: 100	Floor Height (LF): 10							
No of Floors: 1								
N347	Repair Garage, 2 story, 2,000 SF to 55,000 SF	<div>This model should be applied to a Repair Garage, 2 story, 2000 SF TO 55000 SF. The model is based on a 2-story building with 25000 square feet of floor area. The structure is CMU / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 528</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 25,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 528	Location: National Average	Gross Sqft: 25,000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 528	Location: National Average							
Gross Sqft: 25,000	Floor Height (LF): 12							
No of Floors: 2								

RPV Model	RPV Model Name	RPV Model Description						
N348	Service Structures, 50 SF to 25,000 SF	<div>This model should be applied to a Service Structures, 50 SF to 25,000 SF. The model is based on a 1-story building with 3500 square feet of floor area. The structure is Pre-Engineered Metal Building / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 266</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 3,500</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 266	Location: National Average	Gross Sqft: 3,500	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 266	Location: National Average							
Gross Sqft: 3,500	Floor Height (LF): 16							
No of Floors: 1								
N351	Shop Building 250 SF to 1,900 SF	<div>This model should be applied to a Shop Building 250 SF to 1,900 SF. The model is based on a 1-story building with 1000 square feet of floor area. The structure is Concrete Block / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 130</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 130	Location: National Average	Gross Sqft: 1,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 130	Location: National Average							
Gross Sqft: 1,000	Floor Height (LF): 14							
No of Floors: 1								
N352	Shop Building, 2 story, 1,000 SF to 20,000 SF	<div>This model should be applied to a Shop Building, 2 story, 1000 SF to 20000 SF. The model is based on a 2-story building with 7200 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 266</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 7,200</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 266	Location: National Average	Gross Sqft: 7,200	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 266	Location: National Average							
Gross Sqft: 7,200	Floor Height (LF): 12							
No of Floors: 2								
N353	Trade Shops, 2 story, 20,000 SF to 100,000 SF	<div>This model should be applied to a Trade Shops, 2 story, 20000 SF to 100000 SF. The model is based on a 2-story building with 78000 square feet of floor area. The structure is Brick Veneer metal stud / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 846</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 78,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 846	Location: National Average	Gross Sqft: 78,000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 846	Location: National Average							
Gross Sqft: 78,000	Floor Height (LF): 12							
No of Floors: 2								
N354	Trade Shops, 3 story, 50,000 SF to 120,000 SF	<div>This model should be applied to a Trade Shops, 3 story, 50,000 SF to 120,000 SF. The model is based on a 3-story building with 92500 square feet of floor area. The structure is Brick Veneer, metal stud / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 754</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 92,500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 754	Location: National Average	Gross Sqft: 92,500	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 754	Location: National Average							
Gross Sqft: 92,500	Floor Height (LF): 12							
No of Floors: 3								

RPV Model	RPV Model Name	RPV Model Description		
N356	Change House 1,000 SF to 4,000 SF	<p>This model should be applied to a Change House 1,000 SF to 4,000 SF. The model is based on a 1-story building with 3000 square feet of floor area. The structure is Concrete Block / Steel joist, metal deck.</p>		
			Perimeter (LF): 230	Location: National Average
			Gross Sqft: 3,000	Floor Height (LF): 12
			No of Floors: 1	
N411	Airport Terminal	<p>This model should be applied to a Airport Terminal. This model is based on a 1-story building with 1400 square feet of floor area. The structure is Metal Siding / Steel Frame.</p>		
			Perimeter (LF): 240	Location: National Average
			Gross Sqft: 1400	Floor Height (LF): 10
			No of Floors: 1	
N412	Airport Control Tower	<p>This model should be applied to an Airport Control Tower. This model is based on a 2-story building with 2650 square feet of floor area. The structure is Metal Panel and Metal Studs / Steel joist, metal deck.</p>		
			Perimeter (LF): 225	Location: National Average
			Gross Sqft: 2650	Floor Height (LF): 12
			No of Floors: 2	
N414	Service Bldg, 2 Story, 500 SF to 25,000 SF	<p>This model should be applied to a Service Building, 2 Story, 500 SF to 25,000 SF . The model is based on a 2-story building with 2000.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Steel joist, metal deck.</p>		
			Perimeter (LF): 138	Location: National Average
			Gross Sqft: 2000	Floor Height (LF): 12
			No of Floors: 2	
N431	Car Wash 500 SF to 3,500 SF	<p>This model should be applied to a Car Wash, 500 SF to 3,500 SF . The model is based on a 1-story building with 2100.00 square feet of floor area. The structure is Metal Studs / Light Gauge Steel Frame.</p>		
			Perimeter (LF): 248	Location: National Average
			Gross Sqft: 2100	Floor Height (LF): 16
			No of Floors: 1	

RPV Model	RPV Model Name	RPV Model Description						
N441	Wheel House 750 SF to 4500 SF	<div>This model should be applied to a Wheel house, 750 SF to 4500 SF . The model is based on a 1-story building with 3200.00 square feet of floor area. The structure is Pre-engineered Metal Building / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 228</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 3200</td><td>Floor Height (LF): 32</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 228	Location: National Average	Gross Sqft: 3200	Floor Height (LF): 32	No of Floors: 1	
Perimeter (LF): 228	Location: National Average							
Gross Sqft: 3200	Floor Height (LF): 32							
No of Floors: 1								
N444	Guard Station 200 SF to 2,000 SF	<div>This model should be applied to a Guard Station, 200 SF to 2,000 SF. The model is based on a 1-story building with 1000.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Steel Joists.</div> <table><tr><td>Perimeter (LF): 132</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1000</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 132	Location: National Average	Gross Sqft: 1000	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 132	Location: National Average							
Gross Sqft: 1000	Floor Height (LF): 8							
No of Floors: 1								
N451	Hanger 20,000 SF to 120,000 SF	<div>This model should be applied to a Hanger 20,000 to 120,000 SF. The model is based on a 1-story building with 42000.00 square feet of floor area. The structure is Pre-engineered Metal Building / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 900</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 42000</td><td>Floor Height (LF): 36</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 900	Location: National Average	Gross Sqft: 42000	Floor Height (LF): 36	No of Floors: 1	
Perimeter (LF): 900	Location: National Average							
Gross Sqft: 42000	Floor Height (LF): 36							
No of Floors: 1								
N455	Indoor Firing Range 2,000 SF to 40,000 SF	<div>This model should be applied to a building less than 10,000 SF. The model is based on a 1-story building with 5,000 square feet of floor area. The structure is insulated metal panels on a metal frame.</div> <table><tr><td>Perimeter (LF): 580</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 18000</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 580	Location: National Average	Gross Sqft: 18000	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 580	Location: National Average							
Gross Sqft: 18000	Floor Height (LF): 16							
No of Floors: 1								
N456	Laundry 200 SF to 4,000 SF	<div>This model should be applied to a Laundry 200 SF to 4,000 SF. The model is based on a 1-story building with 1100.00 square feet of floor area. The structure is Brick on Concrete Block / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 145</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1100</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 145	Location: National Average	Gross Sqft: 1100	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 145	Location: National Average							
Gross Sqft: 1100	Floor Height (LF): 12							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N459	Gymnasium, 3 story, 8,000 SF to 30,000 SF	<p>This model should be applied to a Gymnasium, 3 Levels 8,000 SF to 30,000 SF. The model is based on a 3-story building with 19000.00 square feet of floor area. The structure is Brick veneer on CMU / Steel joist, metal deck.</p> <table><tr><td>Perimeter (LF): 348</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 19000</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 348	Location: National Average	Gross Sqft: 19000	Floor Height (LF): 18	No of Floors: 3	
Perimeter (LF): 348	Location: National Average							
Gross Sqft: 19000	Floor Height (LF): 18							
No of Floors: 3								
N466	Emergency Services / Fire Station, 3 Story	<p>This model should be applied to a Emergency Services / Fire Station, 3 Story. This model is based on a 3-story building with 18000 square feet of floor area. The structure is Metal Panel and Metal Studs / Steel joist, metal deck.</p> <table><tr><td>Perimeter (LF): 479</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 18000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 479	Location: National Average	Gross Sqft: 18000	Floor Height (LF): 10	No of Floors: 3	
Perimeter (LF): 479	Location: National Average							
Gross Sqft: 18000	Floor Height (LF): 10							
No of Floors: 3								
N467	Animal Care Buildings	<p>This model should be applied to a Animal Care Buildings. This model is based on a 1-story building with 1500 square feet of floor area. The structure is Metal Siding / Steel Frame.</p> <table><tr><td>Perimeter (LF): 170</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1500</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 170	Location: National Average	Gross Sqft: 1500	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 170	Location: National Average							
Gross Sqft: 1500	Floor Height (LF): 14							
No of Floors: 1								
N468	Fire Station	<p>This model should be applied to a Fire Station. This model is based on a 1-story building with 15000 square feet of floor area. The structure is Face Brick Concrete Block Back-up / Steel Joists.</p> <table><tr><td>Perimeter (LF): 540</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 15000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 540	Location: National Average	Gross Sqft: 15000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 540	Location: National Average							
Gross Sqft: 15000	Floor Height (LF): 14							
No of Floors: 1								
N473	Gas Station, 1,000 to 3,500 SF	<p>This model should be applied to a Gas Station, 1,000 to 3,500 SF. This model is based on a 1-story building with 2400 square feet of floor area. The structure is Pre-engineered Metal Building / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 210</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2400</td><td>Floor Height (LF): 24</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 210	Location: National Average	Gross Sqft: 2400	Floor Height (LF): 24	No of Floors: 1	
Perimeter (LF): 210	Location: National Average							
Gross Sqft: 2400	Floor Height (LF): 24							
No of Floors: 1								
N474	Conex Style Indoor Firing Range, 10 Lanes	<p>This model should be applied to a Conex Style Indoor Firing Range, 10 Lanes. This model is based on a 1-story building with 4800 square feet of floor area. The structure is Steel Conex box / Steel Conex.</p> <table><tr><td>Perimeter (LF): 320</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 4800</td><td>Floor Height (LF): 8.5</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 320	Location: National Average	Gross Sqft: 4800	Floor Height (LF): 8.5	No of Floors: 1	
Perimeter (LF): 320	Location: National Average							
Gross Sqft: 4800	Floor Height (LF): 8.5							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N475	Conex Style Indoor Firing Range, 5 Lanes	<div>This model should be applied to a Conex Style Indoor Firing Range, 5 Lanes. This model is based on a 1-story building with 960 square feet of floor area. The structure is Steel Conex box / Steel Conex.</div> <table><tr><td>Perimeter (LF): 256</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 960</td><td>Floor Height (LF): 8.5</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 256	Location: National Average	Gross Sqft: 960	Floor Height (LF): 8.5	No of Floors: 1	
Perimeter (LF): 256	Location: National Average							
Gross Sqft: 960	Floor Height (LF): 8.5							
No of Floors: 1								
N491	Live Shoot House, 10,000 SF to 25,000 SF	<div>This model should be applied to a Live Shoot House, 10,000 SF to 25,000 SF. This model is based on a 1-story building with 17080 square feet of floor area. The structure is Pre-engineered Metal Building / Rigid Steel Frame.</div> <table><tr><td>Perimeter (LF): 526</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 17080</td><td>Floor Height (LF): 27</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 526	Location: National Average	Gross Sqft: 17080	Floor Height (LF): 27	No of Floors: 1	
Perimeter (LF): 526	Location: National Average							
Gross Sqft: 17080	Floor Height (LF): 27							
No of Floors: 1								
N496	Fire Station, 5,000 to 30,000 SF	<div>This model should be applied to a Fire Station, 5,000 to 30,000 SF. This model is based on a 1-story building with 6800 square feet of floor area. The structure is Concrete Block / Structural steel metal deck.</div> <table><tr><td>Perimeter (LF): 362</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 6800</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 362	Location: National Average	Gross Sqft: 6800	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 362	Location: National Average							
Gross Sqft: 6800	Floor Height (LF): 16							
No of Floors: 1								
N497	Guard Headquarters, 15,000 to 50,000 SF	<div>This model should be applied to a Guard Headquarters, 15,000 to 50,000 SF. This model is based on a 1-story building with 17000 square feet of floor area. The structure is Tilt-up Concrete Panels / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 5721</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 17000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 5721	Location: National Average	Gross Sqft: 17000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 5721	Location: National Average							
Gross Sqft: 17000	Floor Height (LF): 12							
No of Floors: 1								
N498	Security Operations, 1,000 to 12,000	<div>This model should be applied to a Security Operations, 1,000 to 12,000. This model is based on a 1-story building with 2000 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 194</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 194	Location: National Average	Gross Sqft: 2000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 194	Location: National Average							
Gross Sqft: 2000	Floor Height (LF): 12							
No of Floors: 1								
N502	Storm Shelter, 1,000 to 5,000 SF	<div>This model should be applied to a Storm Shelter, 1,000 to 5,000 SF. This model is based on a 1-story building with 2000 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 224</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 224	Location: National Average	Gross Sqft: 2000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 224	Location: National Average							
Gross Sqft: 2000	Floor Height (LF): 14							
No of Floors: 1								



# Chapter

# 14

## 14. Storage

RPV Model	RPV Model Name	RPV Model Description						
E25	Warehouse/Storage	<p>This model should be applied to all pre-engineered type structures used for storage and support facilities. The model is based on a 1-story building with 40,000 square feet of floor area. The structure is steel frame, with galvanized steel siding exterior, metal roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 833</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 40,000</td><td>Floor Height (LF): 24</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 833	Location: National Average	Gross Sqft: 40,000	Floor Height (LF): 24	No of Floors: 1	
Perimeter (LF): 833	Location: National Average							
Gross Sqft: 40,000	Floor Height (LF): 24							
No of Floors: 1								
E29	Warehouse, Mini	<p>This model is a one-story storage and support building with a 12' story height. The model is based on a 20,000 square feet of floor area. The model is concrete block steel frame.</p> <table><tr><td>Perimeter (LF): 900</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 900	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 900	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 12							
No of Floors: 1								
N01	Bunkers/Magazines	<p>This model should be applied to all bunkers and magazine storage facilities. The model is based on a 1-story building with 1,000 square feet of floor area. The structure is cast-in-place concrete, with cast-in-place concrete exterior, special dirt berm roof system, and no mechanical system.</p> <table><tr><td>Perimeter (LF): 140</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 140	Location: National Average	Gross Sqft: 1,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 140	Location: National Average							
Gross Sqft: 1,000	Floor Height (LF): 14							
No of Floors: 1								



RPV Model	RPV Model Name	RPV Model Description						
N06	Hardened Storage	<p>This model should be applied to all reinforced and hardened storage facilities. This should be used for all storage facilities that are not pre-engineered. The model is based on a 1-story building with 25,000 square feet of floor area. The structure is cast-in-place concrete, with precast concrete exterior, built-up membrane roof, and unit heaters and packaged AC units.</p> <table><tr><td>Perimeter (LF): 650</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 25,000</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 650	Location: National Average	Gross Sqft: 25,000	Floor Height (LF): 20	No of Floors: 1	
Perimeter (LF): 650	Location: National Average							
Gross Sqft: 25,000	Floor Height (LF): 20							
No of Floors: 1								
N07	High Bay Facility	<p>This model should be applied to all facilities with clear span high ceiling workspace with crane. The model is based on a 1-story building with 75,000 square feet of floor area. The structure is steel frame, with metal siding exterior, metal roof, and unit heaters and packaged AC units.</p> <table><tr><td>Perimeter (LF): 1,150</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 75,000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1,150	Location: National Average	Gross Sqft: 75,000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 1,150	Location: National Average							
Gross Sqft: 75,000	Floor Height (LF): 14							
No of Floors: 1								
N19	Records Storage/Vault	<p>This model should be applied to all records storage type facilities with climate-controlled space. The model is based on a 2-story building with 150,000 square feet of floor area. The structure is cast-in-place concrete, with brick veneer with CMU backup exterior, single-ply membrane roof, and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 1,150</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 150,000</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 1,150	Location: National Average	Gross Sqft: 150,000	Floor Height (LF): 20	No of Floors: 2	
Perimeter (LF): 1,150	Location: National Average							
Gross Sqft: 150,000	Floor Height (LF): 20							
No of Floors: 2								
N75	Underground Building	<p>This model should be applied to office and support facilities less than 70,000 SF. The model is based on a 2-story underground building with 40,000 square feet of floor area. The structure is Cast in Place structure. HVAC systems must be added by the user.</p> <table><tr><td>Perimeter (LF): 810</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 41,000</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 810	Location: National Average	Gross Sqft: 41,000	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 810	Location: National Average							
Gross Sqft: 41,000	Floor Height (LF): 16							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N82	Shed 300 SF Enclosed	<p>This model should be applied to storage sheds with enclosed sides. The model is based upon a 1 story building with 300 square feet of floor area. The structure is metal studs with metal panel walls and roof.</p> <table><tr><td>Perimeter (LF): 74</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 300</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 74	Location: National Average	Gross Sqft: 300	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 74	Location: National Average							
Gross Sqft: 300	Floor Height (LF): 8							
No of Floors: 1								
N83	Shed 300 SF Enclosed, Electricity	<p>This model should be applied to storage sheds with enclosed sides and electrical service. The model is based upon a 1 story building with 300 square feet of floor area. The structure is metal studs with metal panel walls and roof.</p> <table><tr><td>Perimeter (LF): 80</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 400</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 80	Location: National Average	Gross Sqft: 400	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 80	Location: National Average							
Gross Sqft: 400	Floor Height (LF): 8							
No of Floors: 1								
N84	Shed 840 SF Enclosed	<p>This model should be applied to storage sheds with enclosed sides. The model is based upon a 1 story building with 840 square feet of floor area. The structure is metal studs with metal panel walls and roof.</p> <table><tr><td>Perimeter (LF): 138</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,100</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 138	Location: National Average	Gross Sqft: 1,100	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 138	Location: National Average							
Gross Sqft: 1,100	Floor Height (LF): 8							
No of Floors: 1								
N85	Shed 840 SF Enclosed, Electricity	<p>This model should be applied to storage sheds with enclosed sides and electrical service. The model is based upon a 1 story building with 840 square feet of floor area. The structure is metal studs with metal panel walls and roof.</p> <table><tr><td>Perimeter (LF): 132</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,000</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 132	Location: National Average	Gross Sqft: 1,000	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 132	Location: National Average							
Gross Sqft: 1,000	Floor Height (LF): 8							
No of Floors: 1								
N91	Storage Warehouse 150 SF to 499 SF	<p>This model should be applied to a warehouse building less than 499 SF. The model is based on a 1-story building with 340 square feet of floor area. The structure is concrete block.</p> <table><tr><td>Perimeter (LF): 74</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 340</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 74	Location: National Average	Gross Sqft: 340	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 74	Location: National Average							
Gross Sqft: 340	Floor Height (LF): 8							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N92	Magazine Igloo 500 SF to 3,000 SF	<div>This model should be applied to a magazine /igloo storage building less than 3,000 SF. The model is based on a 1-story building with 1,500 square feet of floor area. The structure is 12" reinforced concrete.</div> <table><tr><td>Perimeter (LF): 232</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,500</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 232	Location: National Average	Gross Sqft: 1,500	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 232	Location: National Average							
Gross Sqft: 1,500	Floor Height (LF): 10							
No of Floors: 1								
N95	Storage Warehouse 500 SF to 2,000 SF	<div>This model should be applied to a warehouse building less than 2,000 SF. The model is based on a 1-story building with 1,250 SF of floor area. The structure is concrete block.</div> <table><tr><td>Perimeter (LF): 152</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,250</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 152	Location: National Average	Gross Sqft: 1,250	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 152	Location: National Average							
Gross Sqft: 1,250	Floor Height (LF): 14							
No of Floors: 1								
N97	Magazine Igloo 10SF to 500SF	<div>This model should be applied to a magazine /igloo storage building less than 500 SF. The model is based on a 1-story building with 250 square feet of floor area. The structure is cast in place concrete.</div> <table><tr><td>Perimeter (LF): 66</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 250</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 66	Location: National Average	Gross Sqft: 250	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 66	Location: National Average							
Gross Sqft: 250	Floor Height (LF): 8							
No of Floors: 1								
N99	Ammunition Storage	<div>This model should be applied to a utility building less than 250 SF. The model is based on a 1-story building with 175 square feet of floor area. The structure is 12" CMU.</div> <table><tr><td>Perimeter (LF): 54</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 150</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 54	Location: National Average	Gross Sqft: 150	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 54	Location: National Average							
Gross Sqft: 150	Floor Height (LF): 8							
No of Floors: 1								
N100	Ammunition Storage 250 SF to 500 SF	<div>This model should be applied to a building less than 500 SF. The model is based on a 1-story building with 400 square feet of floor area. The structure is 12" CMU.</div> <table><tr><td>Perimeter (LF): 82</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 400</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 82	Location: National Average	Gross Sqft: 400	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 82	Location: National Average							
Gross Sqft: 400	Floor Height (LF): 8							
No of Floors: 1								
N101	Hazardous Flammable Storage 150 SF to 499 SF	<div>This model should be applied to a building less than 499 SF. The model is based on a manufactured metal plate structure with 250 square feet of floor area.</div> <table><tr><td>Perimeter (LF): 66</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 250</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 66	Location: National Average	Gross Sqft: 250	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 66	Location: National Average							
Gross Sqft: 250	Floor Height (LF): 10							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description		
N102	Storage Warehouse Fabric 2,400 SF to 12,000 SF	<p>This model should be applied to a tent type storage building less than 12,000 SF. The model is based on a fabric coated structure with metal framing and 4,800 square feet of floor area.</p>	Perimeter (LF): 325	Location: National Average
			Gross Sqft: 5,500	Floor Height (LF): 30
			No of Floors: 1	
N103	Storage Warehouse Building 8 SF to 149 SF	<p>This model should be applied to a warehouse building less than 149 SF. The model is based on a 1-story building with 120 square feet of floor area. The structure is concrete block.</p>	Perimeter (LF): 42	Location: National Average
			Gross Sqft: 120	Floor Height (LF): 8
			No of Floors: 1	
N104	Ammunition Storage 2,500 SF to 4,500 SF	<p>This model should be applied to a building less than 4,500 SF. The model is based on a 1-story building with 3,750 square feet of floor area. The structure is 12" CMU.</p>	Perimeter (LF): 258	Location: National Average
			Gross Sqft: 3,750	Floor Height (LF): 8
			No of Floors: 1	
N105	Hazardous Flammable Storage 8 SF to 149 SF	<p>This model should be applied to a building less than 149 SF. The model is based on a manufactured metal plate structure with 120 square feet of floor area.</p>	Perimeter (LF): 44	Location: National Average
			Gross Sqft: 120	Floor Height (LF): 8
			No of Floors: 1	
N106	Ammunition Storage 1,500 SF to 2,500 SF	<p>This model should be applied to a building less than 2,500 SF. The model is based on a 1-story building with 2,500 square feet of floor area. The structure is 12" CMU.</p>	Perimeter (LF): 204	Location: National Average
			Gross Sqft: 2,500	Floor Height (LF): 10
			No of Floors: 1	

RPV Model	RPV Model Name	RPV Model Description						
N107	Storage Warehouse Building 150 SF to 499 SF	<p>This model should be applied to a warehouse building less than 499 SF. The model is based on a 1-story building with 300 square feet of floor area. The structure is metal panel with steel framing.</p> <table><tr><td>Perimeter (LF): 74</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 300</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 74	Location: National Average	Gross Sqft: 300	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 74	Location: National Average							
Gross Sqft: 300	Floor Height (LF): 8							
No of Floors: 1								
N109	Storage Warehouse 500 SF to 2,000 SF	<p>This model should be applied to a warehouse building less than 2,000 SF. The model is based on a 1-story building with 1,000 square feet of floor area. The structure is concrete block.</p> <table><tr><td>Perimeter (LF): 130</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 130	Location: National Average	Gross Sqft: 1,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 130	Location: National Average							
Gross Sqft: 1,000	Floor Height (LF): 12							
No of Floors: 1								
N111	Ammunition Storage 500 SF to 1,500 SF	<p>This model should be applied to a building less than 1,500 SF. The model is based on a 1-story building with 875 square feet of floor area. The structure is cast in place concrete.</p> <table><tr><td>Perimeter (LF): 128</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 875</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 128	Location: National Average	Gross Sqft: 875	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 128	Location: National Average							
Gross Sqft: 875	Floor Height (LF): 12							
No of Floors: 1								
N112	Hazardous Flammable Storage 500 SF to 2,000 SF	<p>This model should be applied to a building less than 2,000 SF. The model is based on a 1-story building with 1,000 square feet of floor area. The structure is metal siding with metal framing.</p> <table><tr><td>Perimeter (LF): 132</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 132	Location: National Average	Gross Sqft: 1,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 132	Location: National Average							
Gross Sqft: 1,000	Floor Height (LF): 12							
No of Floors: 1								
N116	Hazardous Flammable Storage 2,000 SF to 10,000 SF	<p>This model should be applied to a building less than 10,000 SF. The model is based on a 1-story building with 5,000 square feet of floor area. The structure is metal siding with metal framing.</p> <table><tr><td>Perimeter (LF): 300</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 5,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 300	Location: National Average	Gross Sqft: 5,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 300	Location: National Average							
Gross Sqft: 5,000	Floor Height (LF): 12							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description		
N117	Secure Storage 500 SF to 2,000 SF	<p>This model should be applied to a building less than 2,000 SF. The model is based on a 1-story building with 2,000 square feet of floor area. The structure is cast in place concrete.</p>	Perimeter (LF): 152	Location: National Average
			Gross Sqft: 1,200	Floor Height (LF): 12
			No of Floors: 1	
N118	Storage with HVAC 2,500 SF to 10,000 SF	<p>This model should be applied to a building less than 10,000 SF. The model is based on a 1-story building with 4,000 square feet of floor area. The structure is metal siding with metal framing.</p>	Perimeter (LF): 280	Location: National Average
			Gross Sqft: 4,000	Floor Height (LF): 12
			No of Floors: 1	
N119	Hazardous Flammable Storage 12,000 SF to 50,000 SF	<p>This model should be applied to a building less than 50,000 SF. The model is based on a 1-story building with 30,000 square feet of floor area. The structure is metal panel on metal framing.</p>	Perimeter (LF): 740	Location: National Average
			Gross Sqft: 30,000	Floor Height (LF): 14
			No of Floors: 1	
N120	Nuclear Contaminated Storage 250 SF to 1,500 SF	<p>This model should be applied to a building less than 1,500 SF. The model is based on a 1-story building with 500 square feet of floor area. The structure is stucco on concrete block.</p>	Perimeter (LF): 90	Location: National Average
			Gross Sqft: 500	Floor Height (LF): 14
			No of Floors: 1	
N121	Nuclear Contaminated Storage 2,000 SF to 25,000 SF	<p>This model should be applied to a building less than 25,000 SF. The model is based on a 1-story building with 5,000 square feet of floor area. The structure is 8" CMU.</p>	Perimeter (LF): 287	Location: National Average
			Gross Sqft: 5,000	Floor Height (LF): 14
			No of Floors: 1	

RPV Model	RPV Model Name	RPV Model Description						
N122	Secure Storage 5000 SF to 25,000 SF	<div>This model should be applied to a building less than 25,000 SF. The model is based on a 1-story building with 10,600 square feet of floor area. The structure is 12" CMU.</div> <table><tr><td>Perimeter (LF): 444</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 10,600</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 444	Location: National Average	Gross Sqft: 10,600	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 444	Location: National Average							
Gross Sqft: 10,600	Floor Height (LF): 14							
No of Floors: 1								
N123	Small Storage Warehouse 8 SF to 150 SF	<div>This model should be applied to a building less than 150 SF. The model is based on a 1-story building with 90 square feet of floor area. The structure is 12" CMU.</div> <table><tr><td>Perimeter (LF): 38</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 90</td><td>Floor Height (LF): 9</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 38	Location: National Average	Gross Sqft: 90	Floor Height (LF): 9	No of Floors: 1	
Perimeter (LF): 38	Location: National Average							
Gross Sqft: 90	Floor Height (LF): 9							
No of Floors: 1								
N124	Bunkers Concrete Multi Compartment	<div>This model should be applied to a building less than 1,200 SF. The model is based on a 1-story building with 600 square feet of floor area and multiple compartments. The structure is cast in place concrete.</div> <table><tr><td>Perimeter (LF): 100</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 600</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 100	Location: National Average	Gross Sqft: 600	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 100	Location: National Average							
Gross Sqft: 600	Floor Height (LF): 8							
No of Floors: 1								
N125	Bunkers Concrete with Metal Doors - Small	<div>This model should be applied to a building less than 150 SF. The model is based on a 1-story building with 85 square feet of floor area. The structure is cast in place concrete.</div> <table><tr><td>Perimeter (LF): 38</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 85</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 38	Location: National Average	Gross Sqft: 85	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 38	Location: National Average							
Gross Sqft: 85	Floor Height (LF): 12							
No of Floors: 1								
N126	Bunkers Concrete with Metal Doors - Medium	<div>This model should be applied to a building less than 1,000 SF. The model is based on a 1-story building with 700 square feet of floor area. The structure is cast in place concrete.</div> <table><tr><td>Perimeter (LF): 108</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 700</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 108	Location: National Average	Gross Sqft: 700	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 108	Location: National Average							
Gross Sqft: 700	Floor Height (LF): 12							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description		
N127	Bunkers Concrete with Metal Doors - Large	<p>This model should be applied to a building less than 1,000 SF. The model is based on a 1-story building with 700 square feet of floor area. The structure is cast in place concrete.</p>	Perimeter (LF): 108	Location: National Average
			Gross Sqft: 700	Floor Height (LF): 12
			No of Floors: 1	
N128	Bunkers Metal with Metal Doors - Small	<p>This model should be applied to a building less than 150 SF. The model is based on a 1-story building with 85 square feet of floor area. The structure is steel plate.</p>	Perimeter (LF): 38	Location: National Average
			Gross Sqft: 85	Floor Height (LF): 12
			No of Floors: 1	
N129	Bunkers Metal with Metal Doors - Medium	<p>This model should be applied to a building less than 1,000 SF. The model is based on a 1-story building with 700 square feet of floor area. The structure is steel plate.</p>	Perimeter (LF): 108	Location: National Average
			Gross Sqft: 700	Floor Height (LF): 12
			No of Floors: 1	
N130	Bunkers Metal with Metal Doors - Large	<p>This model should be applied to a building less than 5,000 SF. The model is based on a 1-story building with 3,200 square feet of floor area. The structure is steel plate.</p>	Perimeter (LF): 244	Location: National Average
			Gross Sqft: 3,200	Floor Height (LF): 12
			No of Floors: 1	
N131	Environ Controlled Storage 10,000 SF to 20,000 SF	<p>This model should be applied to a building less than 20,000 SF. The model is based on a 1-story building with 12,000 square feet of floor area. The structure is metal siding on metal framing.</p>	Perimeter (LF): 520	Location: National Average
			Gross Sqft: 12,000	Floor Height (LF): 12
			No of Floors: 1	



RPV Model	RPV Model Name	RPV Model Description						
N132	Temp and Humidity Warehouse 150 SF to 500 SF	<div>This model should be applied to a building less than 500 SF. The model is based on a 1-story building with 340 square feet of floor area. The structure is metal siding on metal framing.</div> <table><tr><td>Perimeter (LF): 74</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 340</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 74	Location: National Average	Gross Sqft: 340	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 74	Location: National Average							
Gross Sqft: 340	Floor Height (LF): 10							
No of Floors: 1								
N133	Temp and Humidity Warehouse 2,000 to 9,000 SF	<div>This model should be applied to a building less than 9,000 SF. The model is based on a 1-story building with 5,000 square feet of floor area. The structure is metal siding on metal framing.</div> <table><tr><td>Perimeter (LF): 330</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 5,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 330	Location: National Average	Gross Sqft: 5,000	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 330	Location: National Average							
Gross Sqft: 5,000	Floor Height (LF): 10							
No of Floors: 1								
N134	Temp and Humidity Warehouse 10,000 SF to 20,000 SF	<div>This model should be applied to a building less than 9,000 SF. The model is based on a 1-story building with 5,000 square feet of floor area. The structure is metal siding on metal framing.</div> <table><tr><td>Perimeter (LF): 540</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 15,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 540	Location: National Average	Gross Sqft: 15,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 540	Location: National Average							
Gross Sqft: 15,000	Floor Height (LF): 12							
No of Floors: 1								
N136	Environ Controlled Storage 500 SF to 2,000 SF	<div>This model should be applied to a building less than 2,000 SF. The model is based on a 1-story building with 1,200 square feet of floor area. The structure is 12" CMU.</div> <table><tr><td>Perimeter (LF): 148</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,200</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 148	Location: National Average	Gross Sqft: 1,200	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 148	Location: National Average							
Gross Sqft: 1,200	Floor Height (LF): 12							
No of Floors: 1								
N160	Ammunition Storage 5 SF to 50 SF	<div>This model should be applied to an Ammunition Storage 5 SF to 50 SF. The model is based on a 1-story building with 38.00 square feet of floor area. The structure is Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 25</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 38</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 25	Location: National Average	Gross Sqft: 38	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 25	Location: National Average							
Gross Sqft: 38	Floor Height (LF): 8							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description		
N169	Warehouse 2,000 SF to 10,000 SF	<p>This model should be applied to a building less than 10,000 SF. The model is based on a 1-story building with 5,000 square feet of floor area. The structure is insulated metal panels on a metal frame.</p>	Perimeter (LF): 330	Location: National Average
			Gross Sqft: 5,000	Floor Height (LF): 24
			No of Floors: 1	
N180	Environmental Controlled Storage 25 SF to 55 SF	<p>This model should be applied to a Environmental Controlled Storage 25 SF to 55 SF. The model is based on a 1-story building with 40.00 square feet of floor area. The structure is Concrete / Bearing Wall.</p>	Perimeter (LF): 26	Location: National Average
			Gross Sqft: 40	Floor Height (LF): 12
			No of Floors: 1	
N234	Seismic Vault, 100 SF to 500 SF	<p>This model should be applied to a Seismic Vault, 100 to 500 SF. The model is based on a 1-story building with 200.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p>	Perimeter (LF): 66	Location: National Average
			Gross Sqft: 200	Floor Height (LF): 10
			No of Floors: 1	
N252	Storage Shed 20 SF to 499 SF	<p>This model should be applied to a Storage Shed 20 to 499 SF. The model is based on a 1-story building with 260 square feet of floor area. The structure is Metal Panel and Metal Studs / Steel joist, metal deck.</p>	Perimeter (LF): 72	Location: National Average
			Gross Sqft: 260	Floor Height (LF): 12
			No of Floors: 1	
N253	Storage shed 1,000 SF to 2,500 SF	<p>This model should be applied to a Storage Shed 1,000 to 2,500 SF. The model is based on a 1-story building with 1760.00 square feet of floor area. The structure is DOE N253 Storage Shed 1,000 SF to 2,500 SF.</p>	Perimeter (LF): 182	Location: National Average
			Gross Sqft: 1760	Floor Height (LF): 12
			No of Floors: 1	

RPV Model	RPV Model Name	RPV Model Description						
N254	Nuclear Waste Storage 100 SF to 500 SF	<div>This model should be applied to a Nuclear Waste Storage 100 SF to 500 SF. The model is based on a 1-story building with 200.00 square feet of floor area. The structure is Tilt-up Concrete / Steel joist metal deck.</div> <table><tr><td>Perimeter (LF): 60</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 200</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 60	Location: National Average	Gross Sqft: 200	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 60	Location: National Average							
Gross Sqft: 200	Floor Height (LF): 14							
No of Floors: 1								
N255	Nuclear Material Storage, 100,000 SF to 200,000 SF	<div>This model should be applied to a Nuclear Material Storage, 100000 SF to 200000 SF. The model is based on a 1-story building with 150000 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 1560</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 150,000</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1560	Location: National Average	Gross Sqft: 150,000	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 1560	Location: National Average							
Gross Sqft: 150,000	Floor Height (LF): 16							
No of Floors: 1								
N256	Hazardous Waste Storage 5,000 SF to 30,000 SF	<div>This model should be applied to a Hazardous Waste Storage 5,000SF to 30,000 SF. The model is based on a 1-story building with 26000 square feet of floor area. The structure is Brick veneer on CMU / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 1140</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 26,000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1140	Location: National Average	Gross Sqft: 26,000	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 1140	Location: National Average							
Gross Sqft: 26,000	Floor Height (LF): 12							
No of Floors: 1								
N257	Hazardous Waste Storage, 4 story, 10,000 SF to 30,000 SF	<div>This model should be applied to a Hazardous Waste Storage, 4 Story, 10,000 SF to 30,000 SF. The model is based on a 4-story building with 20000 square feet of floor area. The structure is Brick Veneer metal stud / Structural steel metal deck.</div> <table><tr><td>Perimeter (LF): 330</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 20,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 4</td><td></td></tr></table>	Perimeter (LF): 330	Location: National Average	Gross Sqft: 20,000	Floor Height (LF): 10	No of Floors: 4	
Perimeter (LF): 330	Location: National Average							
Gross Sqft: 20,000	Floor Height (LF): 10							
No of Floors: 4								
N258	Hazardous Waste Storage, 3 story, 5,000 SF to 30,000 SF	<div>This model should be applied to a Hazardous Waste Storage, 3 Story, 5,000 SF to 30,000 SF. The model is based on a 3-story building with 8000 square feet of floor area. The structure is Brick Veneer metal stud / Structural steel metal deck.</div> <table><tr><td>Perimeter (LF): 213</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 8,000</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 213	Location: National Average	Gross Sqft: 8,000	Floor Height (LF): 10	No of Floors: 3	
Perimeter (LF): 213	Location: National Average							
Gross Sqft: 8,000	Floor Height (LF): 10							
No of Floors: 3								

RPV Model	RPV Model Name	RPV Model Description						
N259	Hazardous Waste Storage 500 SF to 1,000 SF	<div>This model should be applied to a Hazardous Waste Storage 500 to 1,000 SF. The model is based on a 1-story building with 600 square feet of floor area. The structure is Brick veneer on CMU / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 100</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 600</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 100	Location: National Average	Gross Sqft: 600	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 100	Location: National Average							
Gross Sqft: 600	Floor Height (LF): 10							
No of Floors: 1								
N332	Partially Enclosed Shed 2,000 SF to 15,000 SF	<div>This model should be applied to a Partially Enclosed Shed 2,000 SF to 15,000 SF. The model is based on a 1-story building with 3000.00 square feet of floor area. The structure is Metal panel on steel studs / Bearing Walls.</div> <table><tr><td>Perimeter (LF): 230</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 3000</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 230	Location: National Average	Gross Sqft: 3000	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 230	Location: National Average							
Gross Sqft: 3000	Floor Height (LF): 8							
No of Floors: 1								
N372	Underground Storage 300 SF to 2,000 SF	<div>This model should be applied to a Underground Storage, 300 to 2,000 SF. The model is based on a 1-story building with 1400.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 200</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1400</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 200	Location: National Average	Gross Sqft: 1400	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 200	Location: National Average							
Gross Sqft: 1400	Floor Height (LF): 12							
No of Floors: 1								
N390	Nuclear Material Storage 10,000 SF to 95,000 SF	<div>This model should be applied to a Nuclear Material Storage 10,000 SF to 95,000 SF. The model is based on a 1-story building with 40000.00 square feet of floor area. The structure is Brick Veneer, metal stud / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 1000</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 40000</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1000	Location: National Average	Gross Sqft: 40000	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 1000	Location: National Average							
Gross Sqft: 40000	Floor Height (LF): 16							
No of Floors: 1								
N392	Warehouse 1-Story 10,000 SF to 90,000 SF	<div>This model should be applied to a Warehouse 1-Story 10,000 SF to 90,000 SF. This model is based on a 1-story building with 72000 square feet of floor area. The structure is Concrete Block / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 1174</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 72000</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1174	Location: National Average	Gross Sqft: 72000	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 1174	Location: National Average							
Gross Sqft: 72000	Floor Height (LF): 16							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N398	2 Story Warehouse 250 SF to 75,000 SF	<div>This model should be applied to a 2 Story Warehouse 250 SF to 75,000 SF. The model is based on a 2-story building with 17000.00 square feet of floor area. The structure is Brick Veneer, metal stud / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 403</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 17000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 403	Location: National Average	Gross Sqft: 17000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 403	Location: National Average							
Gross Sqft: 17000	Floor Height (LF): 12							
No of Floors: 2								
N404	Underground Bunker 250 SF to 2,000 SF	<div>This model should be applied to a Underground Bunker, 250 SF to 2,000 SF. The model is based on a 1-story building with 750.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 120</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 750</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 120	Location: National Average	Gross Sqft: 750	Floor Height (LF): 18	No of Floors: 1	
Perimeter (LF): 120	Location: National Average							
Gross Sqft: 750	Floor Height (LF): 18							
No of Floors: 1								
N410	Quonset Hut 150 SF to 3,500 SF	<div>This model should be applied to a Quonset Hut, 150 SF to 3,500 SF. The model is based on a 1-story building with 2100.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Steel Frame.</div> <table><tr><td>Perimeter (LF): 200</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2100</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 200	Location: National Average	Gross Sqft: 2100	Floor Height (LF): 20	No of Floors: 1	
Perimeter (LF): 200	Location: National Average							
Gross Sqft: 2100	Floor Height (LF): 20							
No of Floors: 1								
N417	Warehouse, 2 Story 80,000 SF to 250,000 SF	<div>This model should be applied to a Warehouse, 2 Story 80,000 SF to 250,000 SF . This model is based on a 2-story building with 120000 square feet of floor area. The structure is Precast Concrete / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 1072</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 120000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 1072	Location: National Average	Gross Sqft: 120000	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 1072	Location: National Average							
Gross Sqft: 120000	Floor Height (LF): 12							
No of Floors: 2								
N430	Underground Bunker (NNSS) 20,000 SF to 70,000 SF	<div>This model should be applied to a Underground Bunker (NNSS) 20,000 to 70,000 SF. The model is based on a 1-story building with 42000.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</div> <table><tr><td>Perimeter (LF): 898</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 42000</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 898	Location: National Average	Gross Sqft: 42000	Floor Height (LF): 16	No of Floors: 1	
Perimeter (LF): 898	Location: National Average							
Gross Sqft: 42000	Floor Height (LF): 16							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N432	Bunker, Culvert Style	<div>This model should be applied to a Bunker, Culvert Style. This model is based on a 1-story building with 2500 square feet of floor area. The structure is Galvanized Steel Siding / Exist.</div> <table><tr><td>Perimeter (LF): 256</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 256	Location: National Average	Gross Sqft: 2500	Floor Height (LF): 12	No of Floors: 1	
Perimeter (LF): 256	Location: National Average							
Gross Sqft: 2500	Floor Height (LF): 12							
No of Floors: 1								
N469	Premanufactured Shed (Handi Hut)	<div>This model should be applied to a Premanufactured Shed (Handi Hut). This model is based on a 1-story building with 398 square feet of floor area. The structure is Metal panel on steel studs / Bearing Walls.</div> <table><tr><td>Perimeter (LF): 87</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 398</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 87	Location: National Average	Gross Sqft: 398	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 87	Location: National Average							
Gross Sqft: 398	Floor Height (LF): 8							
No of Floors: 1								
N471	Nuclear Waste Storage Building 1,500 to 7,500 SF	<div>This model should be applied to a Nuclear Waste Storage Building 1,500 to 7,500 SF. This model is based on a 2-story building with 4800 square feet of floor area. The structure is Concrete Block / Steel joist metal deck roof.</div> <table><tr><td>Perimeter (LF): 214</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 4800</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 214	Location: National Average	Gross Sqft: 4800	Floor Height (LF): 14	No of Floors: 2	
Perimeter (LF): 214	Location: National Average							
Gross Sqft: 4800	Floor Height (LF): 14							
No of Floors: 2								
N488	Warehouse, 3 Story, 2,000 to 10,000 SF	<div>This model should be applied to a Warehouse, 3 Story, 2,000 to 10,000 SF. This model is based on a 3-story building with 7000 square feet of floor area. The structure is Metal Panel and Metal Studs / Struct steel, bar joists, conc.</div> <table><tr><td>Perimeter (LF): 210</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 7000</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 3</td><td></td></tr></table>	Perimeter (LF): 210	Location: National Average	Gross Sqft: 7000	Floor Height (LF): 12	No of Floors: 3	
Perimeter (LF): 210	Location: National Average							
Gross Sqft: 7000	Floor Height (LF): 12							
No of Floors: 3								
N492	Warehouse 1-Story 100,000 SF to 250, 000 SF	<div>This model should be applied to a Warehouse 1-Story 100,000 SF to 250, 000 SF. This model is based on a 1-story building with 150000 square feet of floor area. The structure is Concrete Block / Steel joist, metal deck.</div> <table><tr><td>Perimeter (LF): 1696</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 150000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 1696	Location: National Average	Gross Sqft: 150000	Floor Height (LF): 14	No of Floors: 1	
Perimeter (LF): 1696	Location: National Average							
Gross Sqft: 150000	Floor Height (LF): 14							
No of Floors: 1								
N504	Nuclear Waste, 2 Story, 1,000 to 10,000 SF	<div>This model should be applied to a Nuclear Waste, 2 Story, 1,000 to 10,000 SF. This model is based on a 2-story building with 7500 square feet of floor area. The structure is Brick Veneer, metal stud / Struct stl, bar joists, conc.</div> <table><tr><td>Perimeter (LF): 268</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 7500</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 2</td><td></td></tr></table>	Perimeter (LF): 268	Location: National Average	Gross Sqft: 7500	Floor Height (LF): 12	No of Floors: 2	
Perimeter (LF): 268	Location: National Average							
Gross Sqft: 7500	Floor Height (LF): 12							
No of Floors: 2								

RPV Model	RPV Model Name	RPV Model Description	
N509	Warehouse, 3 story 10,000 SF to 50,000 SF	This model should be applied to a Warehouse, 3 story 10,000 SF to 50,000 SF. This model is based on a 3-story building with 17000 square feet of floor area. The structure is Concrete Block / Struct steel, bar joists, conc.	
		Perimeter (LF): 329	Location: National Average
		Gross Sqft: 17000	Floor Height (LF): 14
		No of Floors: 3	
N510	Nuclear Material Storage 500 SF to 9,000 SF	This model should be applied to a Nuclear Material Storage 500 SF to 9,000 SF. This model is based on a 1-story building with 850 square feet of floor area. The structure is Brick veneer on CMU / Cast in place concrete.	
		Perimeter (LF): 128	Location: National Average
		Gross Sqft: 850	Floor Height (LF): 14
		No of Floors: 1	

# Chapter 15

## 15. Trailer / Prefabricated

RPV Model	RPV Model Name	RPV Model Description						
N33	Real Property Trailer	<p>The Trailer estimate includes the purchase and installation of a 10' x 50' construction office trailer. Attached to the trailer are two 10' x 10' entry platforms and stairs. The trailer installation includes a perimeter skirt, power, grounding, fire alarm and sprinklers.</p> <table><tr><td>Perimeter (LF): 120</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 500</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 120	Location: National Average	Gross Sqft: 500	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 120	Location: National Average							
Gross Sqft: 500	Floor Height (LF): 8							
No of Floors: 1								
N50	Office Trailer - Mobile	<p>This model includes the purchase and installation of a 10' x 50' construction office trailer. Attached to the trailer are two 10' x 10' entry platforms and stairs. The trailer installation includes a perimeter skirt, power, grounding, fire alarm and sprinklers and through the wall heat pumps.</p> <table><tr><td>Perimeter (LF): 96</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 360</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 96	Location: National Average	Gross Sqft: 360	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 96	Location: National Average							
Gross Sqft: 360	Floor Height (LF): 8							
No of Floors: 1								
N51	Office Trailer - Single Wide	<p>This model includes the purchase and installation of a 10' x 50' modular office trailer. Attached to the trailer are two 10' x 10' entry platforms and stairs. The installation includes a perimeter skirt, power, grounding, fire alarm and sprinklers and through the wall heat pumps.</p> <table><tr><td>Perimeter (LF): 100</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 420</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 100	Location: National Average	Gross Sqft: 420	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 100	Location: National Average							
Gross Sqft: 420	Floor Height (LF): 8							
No of Floors: 1								



RPV Model	RPV Model Name	RPV Model Description						
N52	Office Trailer - Double Wide	<p>This model includes the purchase and installation of (2) 10' x 50' modular office trailers. Attached are two 10' x 10' entry platforms and stairs. The installation includes a perimeter skirt, power, grounding, fire alarm and sprinklers and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 120</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 840</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 120	Location: National Average	Gross Sqft: 840	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 120	Location: National Average							
Gross Sqft: 840	Floor Height (LF): 8							
No of Floors: 1								
N53	Office Trailer - Multiple 4 units	<p>This model includes the purchase and installation of (4) 10' x 50' modular office trailers. Attached to the trailer are two 10' x 10' entry platforms and stairs. The trailer installation includes a perimeter skirt, power, grounding, fire alarm and sprinklers and roof-top HVAC units and central air system.</p> <table><tr><td>Perimeter (LF): 164</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,680</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 164	Location: National Average	Gross Sqft: 1,680	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 164	Location: National Average							
Gross Sqft: 1,680	Floor Height (LF): 8							
No of Floors: 1								
N54	Office Trailer - 20,000 SF	<p>This model includes the purchase and installation of a 20,000 SF lab trailer. Attached to the trailer are two 10' x 10' entry platforms and stairs. The trailer installation includes a perimeter skirt, power, grounding, fire alarm and sprinklers and split system air conditioning with fan coil units.</p> <table><tr><td>Perimeter (LF): 510</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 16,000</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 510	Location: National Average	Gross Sqft: 16,000	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 510	Location: National Average							
Gross Sqft: 16,000	Floor Height (LF): 8							
No of Floors: 1								
N93	Modular Office 1,500 SF to 1,900 SF	<p>This model should be applied to a modular office trailer less than 1,900 SF. The model is based on a 1-story trailer with 1,750 square feet of floor area. The structure is EIFS on metal studs.</p> <table><tr><td>Perimeter (LF): 180</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,750</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 180	Location: National Average	Gross Sqft: 1,750	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 180	Location: National Average							
Gross Sqft: 1,750	Floor Height (LF): 8							
No of Floors: 1								
N96	Modular Office 1,000 SF to 1,499 SF	<p>This model should be applied to a modular office trailer less than 1,499 SF. The model is based on a 1-story trailer with 1,250 square feet of floor area. The structure is EIFS on metal studs.</p> <table><tr><td>Perimeter (LF): 146</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1,250</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 146	Location: National Average	Gross Sqft: 1,250	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 146	Location: National Average							
Gross Sqft: 1,250	Floor Height (LF): 8							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description						
N108	Modular Office 500 SF to 1,000 SF	<p>This model should be applied to a modular office trailer less than 1,000 SF. The model is based on a 1-story trailer with 750 square feet of floor area. The structure is EIFS on metal studs.</p> <table><tr><td>Perimeter (LF): 120</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 750</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 120	Location: National Average	Gross Sqft: 750	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 120	Location: National Average							
Gross Sqft: 750	Floor Height (LF): 8							
No of Floors: 1								
N110	Mobile Office	<p>This model should be applied to a modular office trailer less than 499 SF. The model is based on a 1-story trailer with 250 square feet of floor area. The structure is wood clapboard siding on wood framing.</p> <table><tr><td>Perimeter (LF): 64</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 250</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 64	Location: National Average	Gross Sqft: 250	Floor Height (LF): 10	No of Floors: 1	
Perimeter (LF): 64	Location: National Average							
Gross Sqft: 250	Floor Height (LF): 10							
No of Floors: 1								
N115	Modular Office 2,000 SF to 3,000 SF	<p>This model should be applied to a modular office trailer less than 3,000 SF. The model is based on a 1-story trailer with 2,500 square feet of floor area. The structure is EIFS on metal studs.</p> <table><tr><td>Perimeter (LF): 206</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2,500</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 206	Location: National Average	Gross Sqft: 2,500	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 206	Location: National Average							
Gross Sqft: 2,500	Floor Height (LF): 8							
No of Floors: 1								
N138	Comfort Station Trailer 250 SF to 1,000 SF	<p>This model should be applied to a comfort station trailer less than 1,000 SF. The model is based on a 1-story trailer with 625 square feet of floor area. The structure is metal siding on metal framing.</p> <table><tr><td>Perimeter (LF): 120</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 625</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 120	Location: National Average	Gross Sqft: 625	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 120	Location: National Average							
Gross Sqft: 625	Floor Height (LF): 8							
No of Floors: 1								
N140	Change House Trailer 250 SF to 1,500 SF	<p>This model should be applied to a change house trailer less than 1,500 SF. The model is based on a 1-story trailer with 650 square feet of floor area. The structure is wood siding on wood framing.</p> <table><tr><td>Perimeter (LF): 132</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 650</td><td>Floor Height (LF): 8</td></tr><tr><td>No of Floors: 1</td><td></td></tr></table>	Perimeter (LF): 132	Location: National Average	Gross Sqft: 650	Floor Height (LF): 8	No of Floors: 1	
Perimeter (LF): 132	Location: National Average							
Gross Sqft: 650	Floor Height (LF): 8							
No of Floors: 1								

RPV Model	RPV Model Name	RPV Model Description	
N148	Maintenance Trailer	This model should be applied to a Mobile Maintenance Trailer. The model is based on a 1-story building with 250.00 square feet of floor area. The structure is Aluminum Siding / Steel Frame.	
		Perimeter (LF): 79	Location: National Average
		Gross Sqft: 250	Floor Height (LF): 10
		No of Floors: 1	
N170	Modular Office 3,000 SF to 6,000 SF	This model should be applied to a Modular Office 3,000 SF to 6,000 SF. The model is based on a 1-story building with 4200 square feet of floor area. The structure is Fiber cement, wood framing / Wood joist plywood.	
		Perimeter (LF): 260	Location: National Average
		Gross Sqft: 4,200	Floor Height (LF): 8
		No of Floors: 1	
N174	Dorm Barracks Trailer 1,000 SF to 22,000 SF	This model should be applied to a dorm barracks trailer less than 2,200 SF. The model is based on a 1-story trailer with 1,848 square feet of floor area. The structure is metal siding on wood framing.	
		Perimeter (LF): 184	Location: National Average
		Gross Sqft: 1,848	Floor Height (LF): 10
		No of Floors: 1	
N184	Modular Warehouse 78 SF to 800 SF	This model should be applied to a modular building less than 800 SF. The model is based on a 1-story building with 450 square feet of floor area. The structure is metal siding on wood framing.	
		Perimeter (LF): 48	Location: National Average
		Gross Sqft: 450	Floor Height (LF): 8
		No of Floors: 1	
N185	Modular Warehouse 900 SF to 1,800 SF	This model should be applied to a modular building less than 1,800 SF. The model is based on a 1-story building on 1,450 square feet of floor area. The structure is metal siding on wood framing.	
		Perimeter (LF): 157	Location: National Average
		Gross Sqft: 1450	Floor Height (LF): 8
		No of Floors: 1	

RPV Model	RPV Model Name	RPV Model Description	
N186	Modular Training Building 450 SF to 2,500 SF	This model should be applied to a Modular Training Building 450 SF to 2,500 SF. The model is based on a 8-story building with 2200.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Wood joist plywood.	
		Perimeter (LF): 207	Location: National Average
		Gross Sqft: 2200	Floor Height (LF): 8
		No of Floors: 8	
N189	General Research Lab Trailer 100 SF to 2,000 SF	This model should be applied to a General Research Lab Trailer 100 SF to 2,000 SF. The model is based on a 1-story building with 1400 square feet of floor area. The structure is Metal Siding / Wood Frame.	
		Perimeter (LF): 162	Location: National Average
		Gross Sqft: 1,400	Floor Height (LF): 10
		No of Floors: 1	
N296	Modular Cafeteria, 150 SF to 3,000 SF	This model should be applied to a Modular Cafeteria, 150 to 3,000 SF. The model is based on a 1-story building with 2600 square feet of floor area. The structure is Fiber cement, wood framing / Wood joist plywood.	
		Perimeter (LF): 208	Location: National Average
		Gross Sqft: 2,600	Floor Height (LF): 8
		No of Floors: 1	
N304	Modular Training Building, 2,500 to 5,000 SF	This model should be applied to a Modular Training Building, 2,500 to 5,000 SF. This model is based on a 1-story building with 2800 square feet of floor area. The structure is Fiber cement, wood framing / Wood joist plywood.	
		Perimeter (LF): 232	Location: National Average
		Gross Sqft: 2800	Floor Height (LF): 10
		No of Floors: 1	
N305	Mobile Office 50 SF to 149 SF	This model should be applied to a Mobile Office 50 SF to 149 SF. The model is based on a 1-story building with 100.00 square feet of floor area. The structure is Aluminum Siding / Steel Frame.	
		Perimeter (LF): 45	Location: National Average
		Gross Sqft: 100	Floor Height (LF): 10
		No of Floors: 1	

RPV Model	RPV Model Name	RPV Model Description		
N328	Modular Fitness Building 750 SF to 15,000 SF	<p>This model should be applied to a Modular Fitness Building 750 SF to 15,000 SF. The model is based on a 1-story building with 1400.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Wood joist plywood.</p>		
			Perimeter (LF): 153	Location: National Average
			Gross Sqft: 1400	Floor Height (LF): 12
			No of Floors: 1	
N345	Modular Production Building 200 SF to 1,500 SF	<p>This model should be applied to a Modular Production Building 200 SF to 1,500 SF. The model is based on a 1-story building with 400.00 square feet of floor area. The structure is CMU / Wood joist plywood.</p>		
			Perimeter (LF): 83	Location: National Average
			Gross Sqft: 400	Floor Height (LF): 12
			No of Floors: 1	
N346	Modular Office Building 3,500 SF to 18,000 SF	<p>This model should be applied to a Modular Office Building 3,500 to 18,000 SF. The model is based on a 1-story building with 7000 square feet of floor area. The structure is Metal Panel and Metal Studs / Wood joist plywood.</p>		
			Perimeter (LF): 380	Location: National Average
			Gross Sqft: 7,000	Floor Height (LF): 10
			No of Floors: 1	
N396	Modular Office, 2 Story, 2,500 SF to 80,000 SF	<p>This model should be applied to a Modular Office, 2 Story, 2,500 SF to 80,000 SF. This model is based on a 1-story building with 2400 square feet of floor area. The structure is Fiber cement, wood framing / Wood joist plywood.</p>		
			Perimeter (LF): 152	Location: National Average
			Gross Sqft: 2400	Floor Height (LF): 14
			No of Floors: 2	
N435	Modular Office 1,000 SF to 20,000 SF	<p>This model should be applied to a Modular Office, 1,000 SF to 20,000 SF. The model is based on a 1-story building with 1500.00 square feet of floor area. The structure is Fiber cement, wood framing / Wood joist plywd.</p>		
			Perimeter (LF): 164	Location: National Average
			Gross Sqft: 1500	Floor Height (LF): 14
			No of Floors: 1	

RPV Model	RPV Model Name	RPV Model Description	
N438	Modular Office, 20,000 SF to 80,000 SF	This model should be applied to a Modular Office, 20,000 SF to 80,000 SF. The model is based on a 1-story building with 25000.00 square feet of floor area. The structure is Fiber cement, wood framing / Wood joist plywood.	
		Perimeter (LF): 694	Location: National Average
		Gross Sqft: 25000	Floor Height (LF): 14
		No of Floors: 1	
N442	Prefabricated Garage 250 SF to 3,000 SF	This model should be applied to a Prefabricated Garage, 250 Sf to 3,000 SF . The model is based on a 1-story building with 1800.00 square feet of floor area. The structure is DOE N253 Storage Shed 1,000 SF to 2,500 SF.	
		Perimeter (LF): 186	Location: National Average
		Gross Sqft: 1800	Floor Height (LF): 12
		No of Floors: 1	

# Chapter 16

## 16. Asset Specific

RPV Model	RPV Model Name	RPV Model Description								
N229	DARHT Facility	<p>This model should be applied to a DARHT Facility, 15-0312. The model is based on a 1-story building with 53880.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p> <table><tr><td>Perimeter (LF): 1138</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 53880</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 15-0312</td><td>RPUID: 134324</td></tr></table>	Perimeter (LF): 1138	Location: National Average	Gross Sqft: 53880	Floor Height (LF): 20	No of Floors: 1		Property ID: 15-0312	RPUID: 134324
Perimeter (LF): 1138	Location: National Average									
Gross Sqft: 53880	Floor Height (LF): 20									
No of Floors: 1										
Property ID: 15-0312	RPUID: 134324									
N230	Flame-Radiant Heat Facility	<p>This model should be applied to a Flame-Radiant Heat Facility, 6539A. The model is based on a 1-story building with 4030.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 254</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 4030</td><td>Floor Height (LF): 40</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 6539A</td><td>RPUID: 202158</td></tr></table>	Perimeter (LF): 254	Location: National Average	Gross Sqft: 4030	Floor Height (LF): 40	No of Floors: 1		Property ID: 6539A	RPUID: 202158
Perimeter (LF): 254	Location: National Average									
Gross Sqft: 4030	Floor Height (LF): 40									
No of Floors: 1										
Property ID: 6539A	RPUID: 202158									
N233	Z Research Lab	<p>This model should be applied to a Z Research Lab, 983. The model is based on a 2-story building with 91600 square feet of floor area. The structure is Precast Concrete / Precast Concrete.</p> <table><tr><td>Perimeter (LF): 856</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 91,600</td><td>Floor Height (LF): 30</td></tr><tr><td>No of Floors: 2</td><td></td></tr><tr><td>Property ID: 983</td><td>RPUID: 88099</td></tr></table>	Perimeter (LF): 856	Location: National Average	Gross Sqft: 91,600	Floor Height (LF): 30	No of Floors: 2		Property ID: 983	RPUID: 88099
Perimeter (LF): 856	Location: National Average									
Gross Sqft: 91,600	Floor Height (LF): 30									
No of Floors: 2										
Property ID: 983	RPUID: 88099									

RPV Model	RPV Model Name	RPV Model Description								
N236	LANSCE-WNR Building	<p>This model should be applied to a LANSCE-WNR Building, 53-007. The model is based on a 1-story building with 33500 square feet of floor area. The structure is Metal Panel and Metal Studs / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 1128</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 33,500</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 53-0007</td><td>RPUID: 85708</td></tr></table>	Perimeter (LF): 1128	Location: National Average	Gross Sqft: 33,500	Floor Height (LF): 18	No of Floors: 1		Property ID: 53-0007	RPUID: 85708
Perimeter (LF): 1128	Location: National Average									
Gross Sqft: 33,500	Floor Height (LF): 18									
No of Floors: 1										
Property ID: 53-0007	RPUID: 85708									
N237	Gamma Irradiation Facility	<p>This model should be applied to a Gamma Irradiation Facility. The model is based on a 1-story building with 12,530 square feet of floor area. The structure is Metal Panel and Metal Studs / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 580</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 12,530</td><td>Floor Height (LF): 40</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 6586</td><td>RPUID: 134389</td></tr></table>	Perimeter (LF): 580	Location: National Average	Gross Sqft: 12,530	Floor Height (LF): 40	No of Floors: 1		Property ID: 6586	RPUID: 134389
Perimeter (LF): 580	Location: National Average									
Gross Sqft: 12,530	Floor Height (LF): 40									
No of Floors: 1										
Property ID: 6586	RPUID: 134389									
N238	Auxiliary Hot Cell Facility, (AHCF)	<p>This model should be applied to a Auxiliary Hot Cell Facility, (AHCF), 6597. The model is based on a 1-story building with 13670 square feet of floor area. The structure is NNSA, AHCF Building 6597.</p> <table><tr><td>Perimeter (LF): 565</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 13,670</td><td>Floor Height (LF): 30</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 6597</td><td>RPUID: 88204</td></tr></table>	Perimeter (LF): 565	Location: National Average	Gross Sqft: 13,670	Floor Height (LF): 30	No of Floors: 1		Property ID: 6597	RPUID: 88204
Perimeter (LF): 565	Location: National Average									
Gross Sqft: 13,670	Floor Height (LF): 30									
No of Floors: 1										
Property ID: 6597	RPUID: 88204									
N240	Sandia Pulsed Reactor Facility	<p>This model should be applied to a Sandia Pulsed Reactor Facility (SPR), 6590. The model is based on a 1-story building with 1200.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p> <table><tr><td>Perimeter (LF): 138</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1200</td><td>Floor Height (LF): 30</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 6590</td><td>RPUID: 88186</td></tr></table>	Perimeter (LF): 138	Location: National Average	Gross Sqft: 1200	Floor Height (LF): 30	No of Floors: 1		Property ID: 6590	RPUID: 88186
Perimeter (LF): 138	Location: National Average									
Gross Sqft: 1200	Floor Height (LF): 30									
No of Floors: 1										
Property ID: 6590	RPUID: 88186									
N241	Annular Core Research Reactor (ACRR)	<p>This model should be applied to a Annular Core Research Reactor (ACRR), 6588. The model is based on a 1-story building with 16600 square feet of floor area. The structure is Concrete Block / Steel joist, metal deck.</p> <table><tr><td>Perimeter (LF): 520</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 16,600</td><td>Floor Height (LF): 16</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 6588</td><td>RPUID: 88185</td></tr></table>	Perimeter (LF): 520	Location: National Average	Gross Sqft: 16,600	Floor Height (LF): 16	No of Floors: 1		Property ID: 6588	RPUID: 88185
Perimeter (LF): 520	Location: National Average									
Gross Sqft: 16,600	Floor Height (LF): 16									
No of Floors: 1										
Property ID: 6588	RPUID: 88185									



RPV Model	RPV Model Name	RPV Model Description								
N242	LANSCE Facility	<p>This model should be applied to a LANSCE Facility, 53-0003. The model is based on a 5-story building with 340000 square feet of floor area. The structure is Metal Panel / Structural steel metal deck.</p> <table><tr><td>Perimeter (LF): 2930</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 340,000</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 5</td><td></td></tr><tr><td>Property ID: 53-0003</td><td>RPUID: 85704</td></tr></table>	Perimeter (LF): 2930	Location: National Average	Gross Sqft: 340,000	Floor Height (LF): 20	No of Floors: 5		Property ID: 53-0003	RPUID: 85704
Perimeter (LF): 2930	Location: National Average									
Gross Sqft: 340,000	Floor Height (LF): 20									
No of Floors: 5										
Property ID: 53-0003	RPUID: 85704									
N243	WNR Target Cell #4	<p>This model should be applied to a WNR Target Cell #4, 53-0369. The model is based on a 1-story building with 1694.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p> <table><tr><td>Perimeter (LF): 166</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 1694</td><td>Floor Height (LF): 20</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 53-0369</td><td>RPUID: 141</td></tr></table>	Perimeter (LF): 166	Location: National Average	Gross Sqft: 1694	Floor Height (LF): 20	No of Floors: 1		Property ID: 53-0369	RPUID: 141
Perimeter (LF): 166	Location: National Average									
Gross Sqft: 1694	Floor Height (LF): 20									
No of Floors: 1										
Property ID: 53-0369	RPUID: 141									
N244	Accelerator Vault	<p>This model should be applied to a Accelerator Vault, 46-0161. The model is based on a 1-story building with 2000.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p> <table><tr><td>Perimeter (LF): 190</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 2000</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 46-0161</td><td>RPUID: 85564</td></tr></table>	Perimeter (LF): 190	Location: National Average	Gross Sqft: 2000	Floor Height (LF): 14	No of Floors: 1		Property ID: 46-0161	RPUID: 85564
Perimeter (LF): 190	Location: National Average									
Gross Sqft: 2000	Floor Height (LF): 14									
No of Floors: 1										
Property ID: 46-0161	RPUID: 85564									
N245	Isotope Production Facility	<p>This model should be applied to a Isotope Production Facility, 53-0984. The model is based on a 1-story building with 5650.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 322</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 5650</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 53-0984</td><td>RPUID: 141581</td></tr></table>	Perimeter (LF): 322	Location: National Average	Gross Sqft: 5650	Floor Height (LF): 18	No of Floors: 1		Property ID: 53-0984	RPUID: 141581
Perimeter (LF): 322	Location: National Average									
Gross Sqft: 5650	Floor Height (LF): 18									
No of Floors: 1										
Property ID: 53-0984	RPUID: 141581									
N246	Proton Stg. Ring Equip Facility	<p>This model should be applied to a Proton Stg. Ring Equip. Facility, 53-0028. The model is based on a 1-story building with 9000.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Structural steel bar joists.</p> <table><tr><td>Perimeter (LF): 394</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 9000</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 53-0028</td><td>RPUID: 85725</td></tr></table>	Perimeter (LF): 394	Location: National Average	Gross Sqft: 9000	Floor Height (LF): 18	No of Floors: 1		Property ID: 53-0028	RPUID: 85725
Perimeter (LF): 394	Location: National Average									
Gross Sqft: 9000	Floor Height (LF): 18									
No of Floors: 1										
Property ID: 53-0028	RPUID: 85725									

RPV Model	RPV Model Name	RPV Model Description								
N247	Proton Stg. Ring Facility	<div>This model should be applied to a Proton Stg. Ring Facility. The model is based on a 1-story building with 13,000 square feet of floor area. The structure is EIFS and Metal Studs / Structural steel bar joists.</div> <table><tr><td>Perimeter (LF): 440</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 13,000</td><td>Floor Height (LF): 22</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 53-0008</td><td>RPUID: 85709</td></tr></table>	Perimeter (LF): 440	Location: National Average	Gross Sqft: 13,000	Floor Height (LF): 22	No of Floors: 1		Property ID: 53-0008	RPUID: 85709
Perimeter (LF): 440	Location: National Average									
Gross Sqft: 13,000	Floor Height (LF): 22									
No of Floors: 1										
Property ID: 53-0008	RPUID: 85709									
N248	Center for Accelerator Mass Spec facility	<div>This model should be applied to a Center for Accelerator Mass Spec Fac, Bld. 190. The model is based on a 1-story building with 44070.00 square feet of floor area. The structure is Metal Panel and Metal Studs / Rigid Steel Frame.</div> <table><tr><td>Perimeter (LF): 872</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 44070</td><td>Floor Height (LF): 18</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 190</td><td>RPUID: 89657</td></tr></table>	Perimeter (LF): 872	Location: National Average	Gross Sqft: 44070	Floor Height (LF): 18	No of Floors: 1		Property ID: 190	RPUID: 89657
Perimeter (LF): 872	Location: National Average									
Gross Sqft: 44070	Floor Height (LF): 18									
No of Floors: 1										
Property ID: 190	RPUID: 89657									
N249	Ion Beam Laboratory	<div>This model should be applied to a Ion Beam Laboratory, Bld 720. The model is based on a 1-story building with 27850 square feet of floor area. The structure is EIFS and Steel Studs / Structural steel metal deck.</div> <table><tr><td>Perimeter (LF): 872</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 27,850</td><td>Floor Height (LF): 24</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 720</td><td>RPUID: 207412</td></tr></table>	Perimeter (LF): 872	Location: National Average	Gross Sqft: 27,850	Floor Height (LF): 24	No of Floors: 1		Property ID: 720	RPUID: 207412
Perimeter (LF): 872	Location: National Average									
Gross Sqft: 27,850	Floor Height (LF): 24									
No of Floors: 1										
Property ID: 720	RPUID: 207412									
N251	Hydraulic Centrifuge Facility bldg.	<div>This model should be applied to a Hydraulic Centrifuge Facility, Bld. 6520. The model is based on a 1-story building with 7240.00 square feet of floor area. The structure is Metal panel on steel studs / Steel and Reinforced Concrete.</div> <table><tr><td>Perimeter (LF): 404</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 7240</td><td>Floor Height (LF): 12</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 6520</td><td>RPUID: 87861</td></tr></table>	Perimeter (LF): 404	Location: National Average	Gross Sqft: 7240	Floor Height (LF): 12	No of Floors: 1		Property ID: 6520	RPUID: 87861
Perimeter (LF): 404	Location: National Average									
Gross Sqft: 7240	Floor Height (LF): 12									
No of Floors: 1										
Property ID: 6520	RPUID: 87861									

RPV Model	RPV Model Name	RPV Model Description								
N302	Training Tower, LANL, 200 to 1,000 SF	<p>This model should be applied to a Training Tower, LANL, 200 to 1,000 SF. The model is based on a 1-story building with 720.00 square feet of floor area. The structure is Wood Siding Wood Frame / Wood framing, plywood decks.</p> <table><tr><td>Perimeter (LF): 76</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 720</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 72-0041</td><td>RPUID: 86453</td></tr></table>	Perimeter (LF): 76	Location: National Average	Gross Sqft: 720	Floor Height (LF): 10	No of Floors: 1		Property ID: 72-0041	RPUID: 86453
Perimeter (LF): 76	Location: National Average									
Gross Sqft: 720	Floor Height (LF): 10									
No of Floors: 1										
Property ID: 72-0041	RPUID: 86453									
N309	PHERMEX Tunnel LANL 500 to 3,000 SF	<p>This model should be applied to a PHERMEX Tunnel, LANL, 500 to 3,000 SF. The model is based on a 1-story building with 900.00 square feet of floor area. The structure is Cast in Place Concrete / Cast in place concrete.</p> <table><tr><td>Perimeter (LF): 240</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 900</td><td>Floor Height (LF): 10</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID:</td><td>RPUID:</td></tr></table>	Perimeter (LF): 240	Location: National Average	Gross Sqft: 900	Floor Height (LF): 10	No of Floors: 1		Property ID:	RPUID:
Perimeter (LF): 240	Location: National Average									
Gross Sqft: 900	Floor Height (LF): 10									
No of Floors: 1										
Property ID:	RPUID:									
N319	Accelerator Tunnel Complex Bldg.	<p>This model should be applied to a Accelerator Tunnel Complex, Bld.194. The model is based on a 1-story building with 41544.00 square feet of floor area. The structure is Concrete / RConc Frame.</p> <table><tr><td>Perimeter (LF): 1175</td><td>Location: National Average</td></tr><tr><td>Gross Sqft: 41544</td><td>Floor Height (LF): 14</td></tr><tr><td>No of Floors: 1</td><td></td></tr><tr><td>Property ID: 194</td><td>RPUID: 89662</td></tr></table>	Perimeter (LF): 1175	Location: National Average	Gross Sqft: 41544	Floor Height (LF): 14	No of Floors: 1		Property ID: 194	RPUID: 89662
Perimeter (LF): 1175	Location: National Average									
Gross Sqft: 41544	Floor Height (LF): 14									
No of Floors: 1										
Property ID: 194	RPUID: 89662									