LEED Summary Report

for the Louis S. and Molly B.
Wolk Center for Excellence in Nursing

SWBR ARCHITECTS

Monroe Community College

Rochester, New York

LEED-Silver Certified by the United States Green Building Council

SWBR PROJECT NO. 06330.00 © August 21, 2009

Contents

Project Description

The Louis S. and Molly B. Wolk Center for Excellence in Nursing building at Monroe Community College has been awarded LEED-Silver Certification by the U.S. Green Building Council (USGBC). LEED stands for Leadership in Energy and Environmental Design, a third-party certification program and the nationally accepted benchmark for the design, construction and operation of high performance green buildings.

This new 22,800 SF addition to the MCC Brighton Campus is home to MCC's nursing program and provides new classrooms, labs and faculty offices. SWBR Architects, the Architect-of-Record for the project, coordinated the project's sustainable design efforts, working closely with MCC and the County of Monroe. Design for the facility started in Fall of 2006 and the Wolk Center officially opened in Fall of 2008.

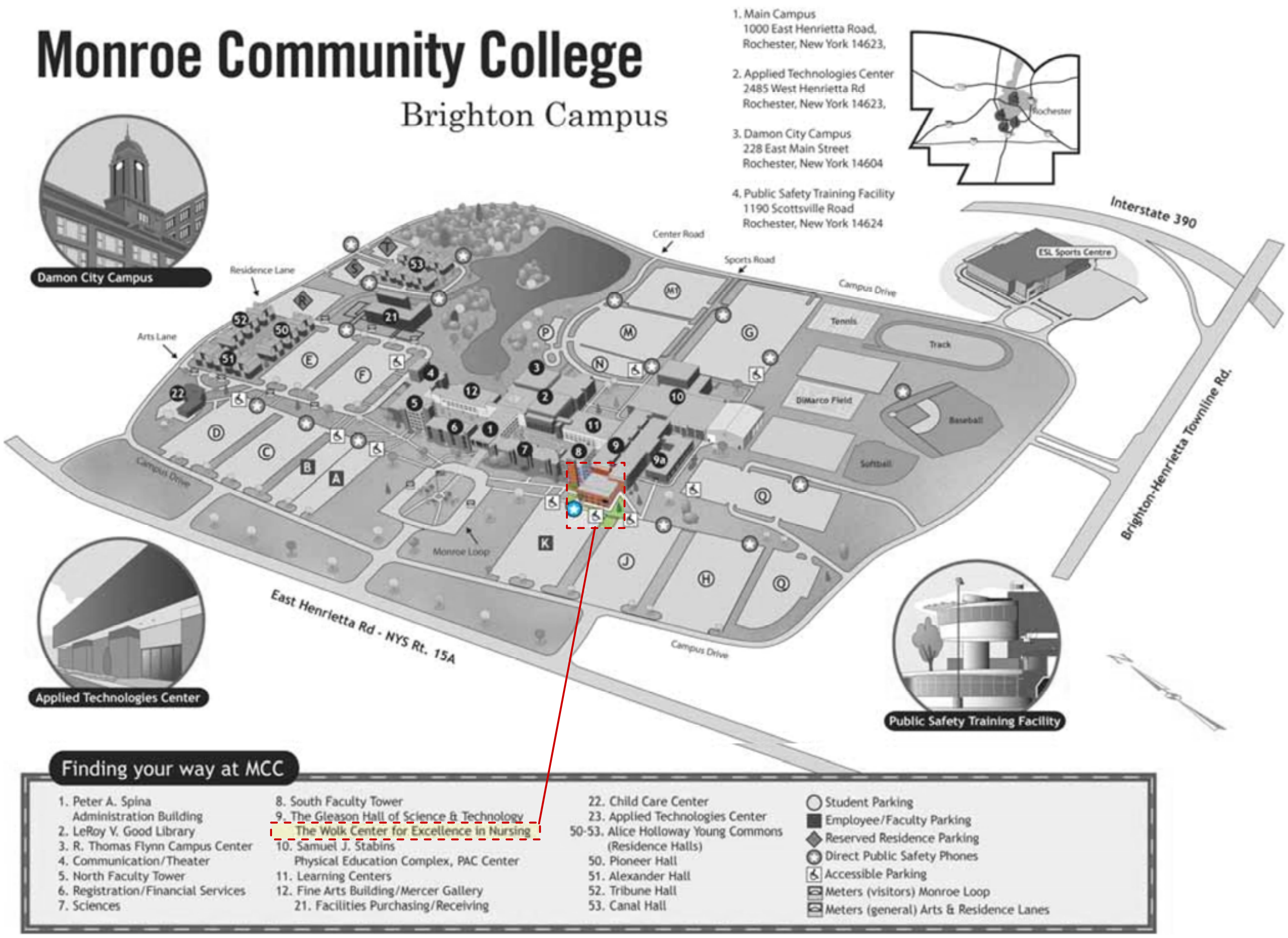
In earning this LEED-Silver rating, MCC practiced careful management of stormwater in its site development through the establishment of a natural wet pond on the campus. The project team used many regional and recyclable materials in its construction and utilized an array of measures to improve indoor air quality for the occupants. The Wolk Center saves approximately 31% of the water used by a comparable facility through the installation of water-efficient fixture and can perform 18% better in terms of energy over a standard building's energy usage.

MCC has integrated this building as a teaching tool within its curriculum and is currently putting the final touches on an educational display for students and visitors.

The project's sustainable design investments could save the County of Monroe over $200,000 in Energy Costs for this building over the next twenty years.

Project Location

The Wolk Center is located on the Brighton Campus of Monroe Community College in Rochester, New York. The building faces East Henrietta Road, New York State Route 15A. For directions or contact information, please see page 27.



Building 9 at Monroe Community College is the home of The Louis S. and Molly B. Wolk Center for Excellence in Nursing. Building 9 is an existing two-story building known as The Gleason Hall of Science and Technology. The Wolk Center is an addition to Building 9 is comprised of two stories totaling 22,880 gross square feet (GSF).

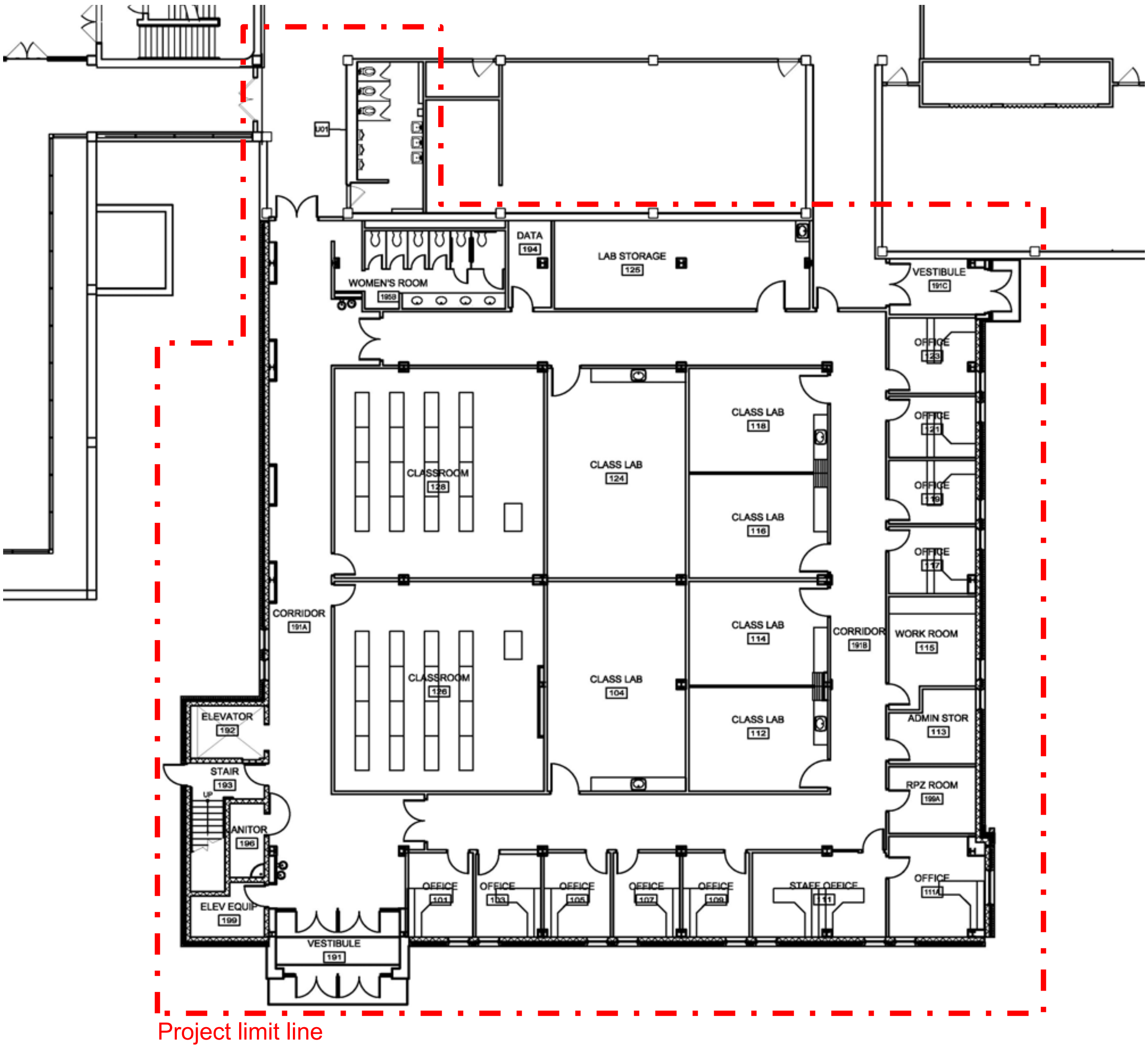
The first floor of the addition provides 11,440 GSF of nursing instructional space and includes a nursing center, patient simulator/tutorial lab, four nursing/medical/surgical/maternity labs, and storage. The second floor of the addition provides 11,440 GSF of classroom and office space.

Lounge

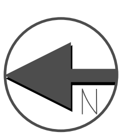
Lounge

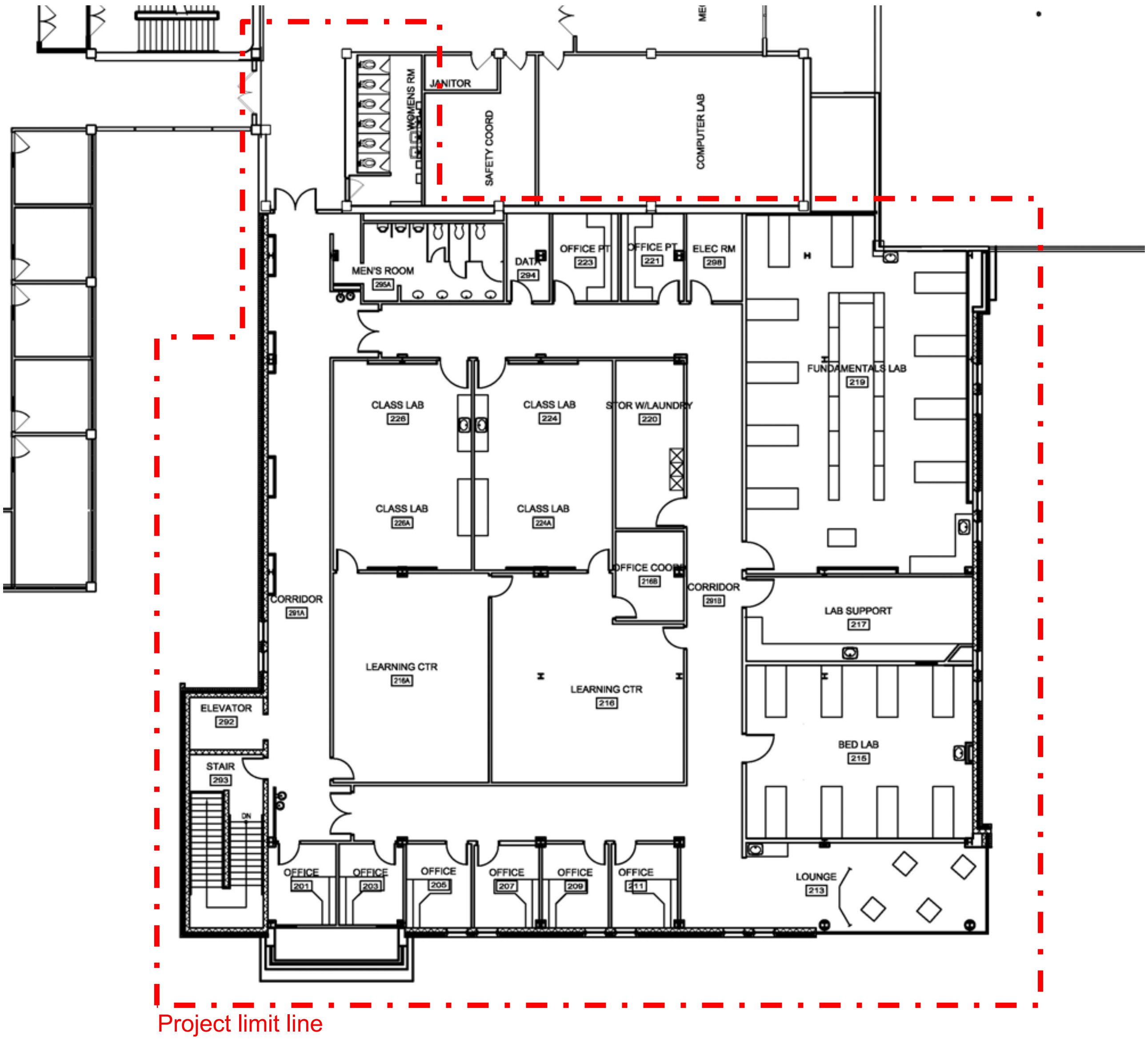
Bed Lab

Class Lab

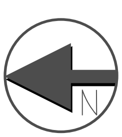


<u>The Wolk Center</u>
First Floor Plan
Not to Scale





The Wolk Center
Second Floor Plan
Not to Scale



Sustainable Design at the Wolk Center

The Louis S. & Molly B. Wolk Center for Excellence in Nursing is a sustainably-designed building and has earned LEED-Silver Certification through the U.S. Green Building Council (USGBC).

The USGBC's mission is to transform the way buildings and communities are designed, built and operated, enabling an environmentally and socially responsible, healthy and prosperous environment that improves the quality of life.

LEED®, which stands for Leadership in Energy and Environmental Design, is a third-party Green Building Rating System and is the nationally accepted benchmark for the design, construction and operations of high performance green buildings.

The USGBC has four levels of LEED certification:

• LEED-Certified
• LEED-Silver
• LEED-Gold
• LEED-Platinum

The Wolk Center project was designed and constructed using the LEED for New Construction (LEED-NC) rating System, Version 2.2, and was the first of any County project to make this commitment.

Monroe County and MCC challenged the Design Team to produce a project that would earn, at a minimum basic LEED Certification from the USGBC. Collectively, the project team worked toward a goal of achieving the LEED-Silver level of Certification. The required documentation for certification was submitted to the USGBC in late February, 2009, and the project was awarded its certification on July 2, 2009.

This new 22,800 SF addition to the MCC Brighton Campus has replaced the College's original nursing program classrooms, labs and faculty offices that were built in the 1960's; and these new modular labs will allow for changes in technology, program, and teaching methods in the future, assuring a longer life-cycle for the facility.

First cost investments in Sustainable Design Strategies such as additional HVAC systems or high-efficiency lighting will be returned in approximately only three years. However, this up front investment can save the County of Monroe over $230,000 in Energy Costs over the next twenty years.

Key Results:

- Energy usage: **18.4% reduction in energy usage** from a baseline building as defined by from ASHRAE Standard 90.1, 2004 Edition.
- Water usage: **31.4% reduction in potable water usage** from Energy Policy Act of 1992 Fixture Performance Requirements through the installation of low-flow fixtures.
- The Wolk Center has **increased controllability of HVAC systems**, providing improved individual comfort for its occupants.
- **14.8% of the construction materials purchased for this project contain recycled content** (exclusive of M/E/P equipment and specialty systems), reducing the demand and impacts from extracting and processing new materials.
- **16.3% of the construction materials purchased for this project contain regionally harvested and manufactured materials** (exclusive of M/E/P equipment and specialty systems), supporting indigenous resources and reducing the environmental impacts resulting from transportation.
- **Indoor Air Quality Management Plans and the specification of Low-VOC products** - including paints, adhesives and carpet products - reduced air quality problems common to new construction in order to help sustain the comfort and well-being of construction workers and building occupants.

Sustainable Design

The Wolk Center building incorporates many economical and environmental strategies, each of which works with the others as a system to provide an improved, high-performance building.

The LEED Rating System for New Construction, LEED-NC, Version 2.2, is structured as a system of 7 required Prerequisites (PR) and 69 optional credits (Cr) over six different categories of environmental impact. These are:

Sustainable Sites (SS)
1 Prerequisite
14 Credits
14 Points

Water Efficiency (WE)
0 Prerequisites
5 Credits
5 Points

Energy & Atmosphere (EA)
3 Prerequisites
6 Credits
17 points

Materials & Resources (MR)
1 Prerequisite
8 Credits
13 Points

Indoor Environmental Quality (EQ)
2 Prerequisites
15 Credits
15 Points

Innovation in Design (ID)
0 Prerequisites
5 Credits
5 points

As noted above, each credit contains a specific number of points which can be achieved.
The final LEED-NC certification ratings are awarded according to the following scale:

Certification	26-32 points
Silver	33-38 points
Gold	39-51 points
Platinum	52-69 points

Sustainable Design at the Wolk Center

The following sustainable design techniques and strategies were incorporated in the Wolk Center project:

Sustainable Site Design

The Wolk Center has earned 9 of 14 possible rating system points for Sustainable Site Design.

Prior to the development of the Wolk Center Addition, a Storm Water Pollution Prevention Plan had been completed that considered land use, parking and stormwater conditions. This plan has served MCC in the development of several building projects, of which the Wolk Center was the first in a series of LEED efforts on the campus.

SS PR 1 Construction Activity Pollution Prevention MCC earned this prerequisite by following the standard practices required by New York State to manage erosion and runoff during construction.

SS Cr 1 Site Selection This existing Campus site qualifies for this credit as it is not prime farmland, not previously undeveloped land whose elevation is lower than 5 feet above the elevation of the 100-year flood as defined by FEMA, is not previously undeveloped land within 50 feet of a water body, is not identified as a habitat for any endangered species, is not within 100 feet of a wetland, and is not acquired public parkland.

SS Cr 2 Development Density and Community Connectivity MCC is in a location that meets the LEED qualifications for Community Connectivity. This category favors development near urban areas, and existing infrastructure - protecting greenfields, habitats and natural resources. The Wolk Center is connected with the existing built fabric of MCC and provides the opportunity to access many community businesses and services within a half-mile radius. Having a dense, adjacent residential development nearby also supports development at this site.

SS Cr 4.1 Alternative Transportation: Public Transportation Access MCC's Brighton Campus has excellent public transportation access. The campus is served by several public bus lines that bring students to and from the main campus entrance, lessening the pollution and land development impacts associated with automobile use.

SS Cr 4.2 Alternative Transportation: Bicycle Storage and Changing Rooms MCC has terrific capability to accommodate bicyclists. The project has utilized the showers and changing facilities provided within the adjacent Building 10 at the College for cyclists that require them.

SS Cr 5.2 Site Development: Maximize Open Space MCC has chosen to allot campus property equal to the footprint of the Wolk Center to be permanently dedicated as open space suitable for a natural habitat. The Wolk Building has addressed the criteria for the this credit through the dedication of a naturally designed, existing area of "wet pond", which also serves to provide a significant, natural, beautiful open space for the campus.

Designed according to the NYSDEC standards for a "wet pond" (P-2), the facility acts as a free form detention/retention pond. Its pool and marsh areas create suitable growing conditions for emergent vegetation, micro-terrains designed to provide stormwater pollutant removal opportunities and species habitats. The pool area is designed to be maintained through the dry season and an island within the pond adds to the potential habitats for wildlife at this site. Side slope gradients are minimal and vegetated. MCC has committed to preserving the pond in the future.

Sustainable Design at the Wolk Center

The following sustainable design techniques and strategies were incorporated in the Wolk Center project:

Sustainable Site Design

SS Cr 6.1 Stormwater Management: Quantity Control
SS Cr 6.2 Stormwater Management: Quality Control
MCC has designed an exceptional natural pond system to manage the quantity and quality of its stormwater for the Wolk Center and all of its Brighton Campus construction. This system filters stormwater, improving the quality of the water, and reduces the quantity of stormwater leaving the site, lessening the impacts to our municipal systems. While there was limited site design scope within this project, the stormwater management infrastructure and capacity already in place at MCC satisfied the LEED requirements this credit.

SS Cr 7.2 Heat Island Effect: Roof The Wolk Center has installed a white roof system, or “Cool Roof”, to lessen the detrimental environmental impacts of “Urban Heat Island Effect” caused by dark roof surfaces.

Water Efficiency

The Wolk Center has earned 4 of 5 possible rating system points for Water Efficiency.

While many parts of the United States are currently finding water in short supply, Monroe County has a tremendous asset in its affordable, clean, municipal water system. Seeking to preserve this resource, the Wolk Center has invested in water-saving technologies.

WE Cr 1 Water Efficient Landscaping No irrigation systems were installed as a part of this project.

WE Cr 3 Water Use Reduction High-performance water fixtures were installed that will save one-third of the building’s annual water usage.

Energy & Atmosphere

The Wolk Center has earned 4 of 17 possible points in this category.

Buildings utilize approximately 37% of the energy and 68% of the electricity produced in the United States annually, according to the U.S. Department of Energy. The fossil fuel sources that provide energy impact the environment many adverse ways from extraction to transportation, refining and distribution. Reduction of demand for energy is an important step in reducing environmental impacts, and the better the energy performance for a building, the lower its operational costs. The Wolk Center has been designed to save roughly 18% of the energy used by a similar, baseline building.

EA PR 1 Fundamental Commissioning of the Building Energy Systems Though a specific return on investment at the Wolk Center cannot be determined, Commissioning verifies that a building is performing to the level to which it was designed. Even basic commissioning can provide significant benefits. In the long term, commissioning has been shown to have very strong improvements in system performance and reduced operating costs. Case studies have shown that commissioning frequently pays for itself in less than a 1-year period.

The Commissioning process included the following:

- Designating Commissioning Authority.
- Review of Owner's Project Requirement (OPR) and Basis of Design (BOD).
- Commissioning documentation was created and OPR and BOD requirements were incorporated in construction documents.
- Commissioning plan was developed and implemented.
- Equipment instillation was verified and its performance checked by the pre-functional test, and finally commissioned.
- A summary report of commissioning was completed.
- Commissioning design review was completed prior to mid construction.
- Contractor submittals were reviewed.
- System manual was created to help with understanding and operation of commissioned system.
- Requirements and completion of operators and building occupant's training were confirmed.
- Building is pending a 10 month review of its operation and customer satisfaction.

EA PR 2 Minimum Energy Performance This prerequisite requires that the team establish the minimum level of energy efficiency for the proposed building and systems.

EA PR 3 Fundamental Refrigerant Management The Wolk Center has no CFC-based refrigerants in new base building HVAC&R systems and does not connect to any systems containing CFCs.

Energy & Atmosphere

EA Cr 1 Optimize Energy Performance This classroom and office building will save 18.4% in energy annually through the sustainable design strategies it has incorporated. These include: Improved Levels of Building Envelope Insulation, High Performance Window Glazing, Exterior Solar Sunshades, High-Efficiency Lighting, Daylighting Harvesting Controls in Lounge Area, Occupancy Sensors to reduce HVAC use, and others.

The building utilizes external source for its heating and cooling. Building envelope was carefully planned and constructed with pressure barrier to avoid the air infiltration and heat loss through a skin of the building. HVAC system is equipped with Variable Speed Drives (VSD) to operate only at the required energy level. Siemens building control system is equipped with programming algorithms to provide energy efficient operation, including economizing. Occupancy sensors are integrated with VAV air terminals to minimize unnecessary load in response to occupancy changes in each area. High efficiency light fixtures are installed throughout the building and integrated with occupancy sensors control. System ventilation modes are adjusted base on monitoring of CO2 in dedicated spaces and common return air system. Building is served by VAV to apportion supply air in level required to thermally balance system according to prescribed temperature setpoints.

Featured Energy Strategies

Strategy 1: Improved Levels of Building Envelope Insulation

Strategy 2: High Performance Window Glazing

Strategy 3: Exterior Solar Sunshades

Strategy 4: High Albedo Roof

Strategy 5: High efficiency Lighting

Strategy 6: Daylighting Harvesting Controls in Lounge Area

Strategy 7: Enthalpy Economizer on AHU-1

Strategy 8: Discreet Air Temperature Reset

Strategy 9: Occupancy Sensors for VAV Optimization

Strategy 10: Premium Efficiency Motors

See *Appendix B* for detailed information on Energy Systems.

EA Cr 4 Enhanced Refrigerant Management The project does not utilize refrigerants.

Materials & Resources

The Wolk Center has earned 3 of 13 possible points in this category.

Building materials choices are important in sustainable design due to the extensive network of extraction, processing and transportation steps required to process them. These efforts can lead to pollution, the destruction of natural habitats and the depletion of natural resources. LEED seeks to reduce environmental impacts through the reduction of waste, encouraging the selection of materials with recycled content, regional availability, and those that are rapidly renewable.

- **MR PR 1 Storage and Collection of Recyclables** The Wolk Center has a recycling program that allows its occupants to sort paper, cardboard, glass, and metal from waste materials, keeping recyclable products out of the waste stream.

- **MR CR 4 Recycled Content** 14.8% of the total materials cost for the project was comprised of recycled content. This increases demand for building products that incorporate recycled content materials, reducing the impacts resulting from extraction and processing of virgin materials.

- **MR CR 5 Regional Materials** 16.3% of the products used in this project were manufactured and harvested within 500 miles of the site. This supports regional businesses and reduces the costs and environmental impacts related to transportation.

- **MR CR 7 Certified Wood** 77% of the wood in this project is certified in accordance with Forest Stewardship Council Principles and Criteria. These are forestry practices established to ensure the long-term health of forests for timber production, wildlife habitat, clean air and water supplies, and climate stabilization as well as the long-term community employment that comes from stable forestry operations.

Indoor Environmental Quality

The Wolk Center has earned 12 of 15 possible rating system credits for Indoor Environmental Quality.

Americans spend 90% of their time indoors, where the U.S. Environmental Protection Agency reports that levels of pollutants run two to five times – and occasionally 100 times - higher than outdoor levels. The use of better products and practices helps to prevent indoor environmental quality problems. These methods include specifying materials that release fewer and less harmful chemical compounds, protecting materials and air handling systems during construction to reduce exposure to contaminants, and increasing ratios of filtered outside air and ventilation rates as well as the use of sensors and controls to maintain air quality.

- **EQ PR 1: Minimum IAQ Performance**

Establish minimum indoor air quality (IAQ) performance to enhance indoor air quality in buildings and contribute to the comfort and well-being of the occupants.

- **EQ PR 2: Environmental Tobacco Smoke (ETS) Control**

This minimizes exposure of building occupants, indoor surfaces, and ventilation air distribution systems to Environmental Tobacco Smoke (ETS). MCC's current no-smoking policy extends beyond that of New York State to meet the requirements as defined in this prerequisite.

- **EQ CR 1: Outdoor Air Delivery Monitoring**

Permanent monitoring systems are installed that provide feedback on ventilation system performance to ensure that the system maintains design minimum ventilation requirements. All monitoring equipment is configured to generate an alarm when the conditions vary by 10% or more from the setpoint, via either a building automation system alarm to the building operator.

- **EQ CR 3.1: Construction IAQ Management Plan: During Construction**
- **EQ CR 3.2: Construction IAQ Management Plan: Before Occupancy**

Indoor Air Quality (IAQ) Management Plans were developed and implemented for both the construction phase and the pre-occupancy phase of the building. These included plans to meet or exceed IAQ Guidelines for Occupied Buildings under Construction, protecting stored and installed absorptive construction materials from moisture damage, and the application of superior air filtration media. This reduced dust and particulates brought into the construction site, managed the quality of materials stored on the site and ensured a cleaner ventilation system once the building systems were in operation.

- **EQ CR 4.1: Low-Emitting Materials: Adhesives & Sealants**
- **EQ CR 4.2: Low-Emitting Materials: Paints & Coatings**
- **EQ CR 4.3: Low-Emitting Materials: Carpet Systems**
- **EQ CR 4.4: Low-Emitting Materials: Composite Wood & Agrifiber Products**

Volatile Organic Compounds (VOCs) are emitted as gases from certain products and are particularly noticeable in new construction. They can be odorous and irritating, but some of these airborne chemicals may have also produce short- and long-term adverse health affects. In the design of the Wolk Center, low-VOC paints, adhesives, carpet, and composite wood products were specified with the intent to prevent indoor air quality problems from arising. This worked in conjunction with the IAQ management plans noted above in improving the air quality in the new building for its occupants.

Indoor Environmental Quality

- **EQ CR 5: Indoor Chemical & Pollutant Source Control**

Permanent Entryway systems are installed at the main entrance to the facility. This system allows for drainage and cleaning underneath, helping to capture dirt and particulates at the entrance to the building where it is directly connected to the outdoors. Walk-off mats are provided at a secondary entrance. Per the USGBC, these are required to be maintained weekly, but are actually maintained daily through MCC's maintenance program. Where hazardous gases or chemicals may be present or used, such as custodial areas, each space is exhausted sufficiently to create negative pressure with respect to adjacent spaces with the doors to the room closed. Self-closing doors and deck to deck partitions are provided.

- **EQ CR 6.1: Controllability of Systems: Lighting**

Individual lighting controls are provided for 95.2% of the building occupants to enable adjustments to suit individual task needs and preferences. The Wolk Center was designed for flexibility and its rooms may serve different users and different programmatic needs. The Wolk Center accommodates this through flexibility in its lighting design. Controls are located near entry doors and near teaching stations and workstations that provide multi-level (0, 33, 67 and 100% levels) switching and occupancy sensor control.

- **EQ CR 6.2: Controllability of Systems: Thermal Comfort**

The Wolk Center has provided controls and systems to give the building occupants a larger degree of individual control over the HVAC system. Each office has a separate control point, sensor and VAV box for individual comfort. Multi-occupant spaces also have a control and temperature sensor. Each temperature sensor senses the space temperature and allows the occupant to adjust for their comfort. Occupancy sensor control will increase the space control levels to an occupied level when someone is sensed in the room. The CO_2 sensors will increase the volume of air into a space when the CO_2 level is above a preset limit.

- **EQ CR 7.1: Thermal Comfort: Design**

The building thermal comfort conditions follow those recommended by ASHRAE 55-2004. The HVAC system is a variable air volume with hot water reheat system sized to maintain these conditions and to provide individual space control. The building control system has temperature sensors and programming to maintain the intended conditions. All offices, classrooms, conference rooms and meeting spaces will have individual area control.

Indoor Environmental Quality

EQ 7.2: Thermal Comfort: Verification

MCC will issue a thermal comfort survey to the building occupants after a year of occupancy. A custom method for measurement of customer satisfaction was developed (see sample survey in Appendix F). If more than 20% of the occupants are dissatisfied with the thermal conditions of the spaces then MCC will develop a plan to make improvements for occupant comfort. Before improvements are made the thermal conditions in the areas under review will be measured as described in ASHRAE 55-2004. This will help determine if the spaces are being maintained to the design parameters. This project has separate controls in individual offices which will make tailoring of spaces to the individuals much easier.

If actions are needed to improve the thermal conditions within the building the occupant concerns will be reviewed, commonalities between complaints will be compiled and corrective action will be developed. Once the corrective action is implemented a period of time will be allowed before another occupant questionnaire is resent. this will determine if the actions taken have improved the building thermal conditions so that less than 20% of the occupants experience thermal discomfort. Potential corrective actions include widening of allowable thermal setting on individual space controls, relocation of supply diffusers within spaces, relocation of thermal sensors within spaces, increasing the air flow to a space by VAV box settings or even increasing duct sizes. Actual actions taken will be determined by the occupant comments.

Innovation in Design

The Wolk Center has earned 3 of 5 potential points in this category.

Sustainable Design strategies and measures are constantly evolving improving. The purpose of this category is to recognize projects for innovative building features and sustainable building knowledge. Occasionally a strategy results in building performance that greatly exceeds what is required by an existing LEED Credit. Other strategies may not be addressed by any other LEED prerequisite or Credit but warrant consideration for their sustainability benefits. LEED is also most effectively implemented in an integrated process and this category addresses the use of a LEED Accredited professional in that process.

- **ID Cr 1.1 Sustainable Design Educational Opportunities** The Wolk Center has provided public educational display regarding the sustainable design of the Wolk Center and a companion, web-based educational display. The College offers guided tours and has developed this case study document as a series of educational tools about sustainable design.

- **ID Cr 1.2 The Building as a Teaching Tool** MCC is using the Wolk Center itself as a teaching tool, integrating the building into its campus curriculum, so that students can experience a green building and study it’s performance and systems design. Please see the curriculum document in Appendix G.

- **ID Cr 2 LEED Accredited Professional** This project has several LEED Accredited Professionals as part of the Architectural and M/E/P design team.

LEED-NC Rating System Checklist

This project has achieved LEED-Silver Certification, earning a total of 35 points in the LEED Rating System. The following checklist represents the full range of credits and the specific points achieved by in the Wolk Center project.

LEED for New Construction v2.2
Registered Project Checklist

Yes	?	No			
9		5		**Sustainable Sites**	**14** Points
Y			Prereq 1	**Construction Activity Pollution Prevention**	Required
1			Credit 1	**Site Selection**	1
1			Credit 2	**Development Density & Community Connectivity**	1
		1	Credit 3	**Brownfield Redevelopment**	1
1			Credit 4.1	**Alternative Transportation**, Public Transportation Access	1
1			Credit 4.2	**Alternative Transportation**, Bicycle Storage & Changing Rooms	1
		1	Credit 4.3	**Alternative Transportation**, Low-Emitting & Fuel-Efficient Vehicles	1
1			Credit 4.4	**Alternative Transportation**, Parking Capacity	1
		1	Credit 5.1	**Site Development,** Protect of Restore Habitat	1
1			Credit 5.2	**Site Development,** Maximize Open Space	1
1			Credit 6.1	**Stormwater Design,** Quantity Control	1
1			Credit 6.2	**Stormwater Design,** Quality Control	1
		1	Credit 7.1	**Heat Island Effect,** Non-Roof	1
1			Credit 7.2	**Heat Island Effect,** Roof	1
		1	Credit 8	**Light Pollution Reduction**	1

Yes	?	No			
4		1		**Water Efficiency**	**5** Points
1			Credit 1.1	**Water Efficient Landscaping**, Reduce by 50%	1
1			Credit 1.2	**Water Efficient Landscaping**, No Potable Use or No Irrigation	1
		1	Credit 2	**Innovative Wastewater Technologies**	1
1			Credit 3.1	**Water Use Reduction**, 20% Reduction	1
1			Credit 3.2	**Water Use Reduction**, 30% Reduction	1

continued…

Yes	?	No			
4		13		**Energy & Atmosphere**	**17** Points
Y			Prereq 1	**Fundamental Commissioning of the Building Energy Systems**	Required
Y			Prereq 2	**Minimum Energy Performance**	Required
Y			Prereq 3	**Fundamental Refrigerant Management**	Required
3		7	Credit 1	**Optimize Energy Performance**	1 to 10
				10.5% New Buildings or 3.5% Existing Building Renovations	1
				14% New Buildings or 7% Existing Building Renovations	2
			3	17.5% New Buildings or 10.5% Existing Building Renovations	3
				21% New Buildings or 14% Existing Building Renovations	4
				24.5% New Buildings or 17.5% Existing Building Renovations	5
				28% New Buildings or 21% Existing Building Renovations	6
				31.5% New Buildings or 24.5% Existing Building Renovations	7
				35% New Buildings or 28% Existing Building Renovations	8
				38.5% New Buildings or 31.5% Existing Building Renovations	9
				42% New Buildings or 35% Existing Building Renovations	10
		3	Credit 2	**On-Site Renewable Energy**	1 to 3
				2.5% Renewable Energy	1
				7.5% Renewable Energy	2
				12.5% Renewable Energy	3
		1	Credit 3	**Enhanced Commissioning**	1
1			Credit 4	**Enhanced Refrigerant Management**	1
		1	Credit 5	**Measurement & Verification**	1
		1	Credit 6	**Green Power**	1

Yes	?	No			
3		10		**Materials & Resources**	**13** Points
Y			Prereq 1	**Storage & Collection of Recyclables**	Required
		1	Credit 1.1	**Building Reuse**, Maintain 75% of Existing Walls, Floors & Roof	1
		1	Credit 1.2	**Building Reuse**, Maintain 100% of Existing Walls, Floors & Roof	1
		1	Credit 1.3	**Building Reuse**, Maintain 50% of Interior Non-Structural Elements	1
		1	Credit 2.1	**Construction Waste Management**, Divert 50% from Disposal	1
		1	Credit 2.2	**Construction Waste Management**, Divert 75% from Disposal	1
		1	Credit 3.1	**Materials Reuse**, 5%	1
		1	Credit 3.2	**Materials Reuse**,10%	1
1			Credit 4.1	**Recycled Content**, 10% (post-consumer + ½ pre-consumer)	1
		1	Credit 4.2	**Recycled Content**, 20% (post-consumer + ½ pre-consumer)	1
1			Credit 5.1	**Regional Materials**, 10% Extracted, Processed & Manufactured Regio	1
		1	Credit 5.2	**Regional Materials**, 20% Extracted, Processed & Manufactured Regio	1
		1	Credit 6	**Rapidly Renewable Materials**	1
1			Credit 7	**Certified Wood**	1

continued…

LEED-NC Rating System Checklist

Yes	?	No			
12		3		**Indoor Environmental Quality**	**15** Points
Y			Prereq 1	**Minimum IAQ Performance**	Required
Y			Prereq 2	**Environmental Tobacco Smoke** (ETS) **Control**	Required
1			Credit 1	**Outdoor Air Delivery Monitoring**	1
		1	Credit 2	**Increased Ventilation**	1
1			Credit 3.1	**Construction IAQ Management Plan**, During Construction	1
1			Credit 3.2	**Construction IAQ Management Plan**, Before Occupancy	1
1			Credit 4.1	**Low-Emitting Materials**, Adhesives & Sealants	1
1			Credit 4.2	**Low-Emitting Materials**, Paints & Coatings	1
1			Credit 4.3	**Low-Emitting Materials**, Carpet Systems	1
1			Credit 4.4	**Low-Emitting Materials**, Composite Wood & Agrifiber Products	1
1			Credit 5	**Indoor Chemical & Pollutant Source Control**	1
1			Credit 6.1	**Controllability of Systems**, Lighting	1
1			Credit 6.2	**Controllability of Systems**, Thermal Comfort	1
1			Credit 7.1	**Thermal Comfort**, Design	1
1			Credit 7.2	**Thermal Comfort**, Verification	1
		1	Credit 8.1	**Daylight & Views**, Daylight 75% of Spaces	1
		1	Credit 8.2	**Daylight & Views**, Views for 90% of Spaces	1
Yes	?	No			
3		2		**Innovation & Design Process**	**5** Points
1			Credit 1.1	**Innovation in Design**: Educational Opportunities	1
1			Credit 1.2	**Innovation in Design**: Building as a Teaching Tool	1
		1	Credit 1.3	**Innovation in Design**: Provide Specific Title	1
		1	Credit 1.4	**Innovation in Design**: Provide Specific Title	1
1			Credit 2	**LEED® Accredited Professional**	1
Yes	?	No			
35		34		**Project Totals** (pre-certification estimates)	**69** Points

Certified: 26-32 points, **Silver:** 33-38 points, **Gold:** 39-51 points, **Platinum:** 52-69 pc

Project Cost

Project cost not including site work, furniture, fit-out and equipment (FFE):	$5,624,000
Estimated Design Fees, includes LEED fees noted below and other “soft” project costs:	$1,386,000
Estimated furniture, fit-out and equipment (FFE) costs:	$398,000
TOTAL:	**$7,408,000**

Cost and Payback Description

Design	
Design Fees toward LEED measures, documentation & certification:	$62,500
Construction	
Estimated Incremental Costs for Energy Efficiency Measures only:	$53,067
Estimated additional Construction Costs for LEED measures:	$28,314
Total Construction Costs related to LEED:	$81,381
Subtotal, Additional First Costs related LEED:	**$143,881**
Incentives	
NYSERDA incentive value if all measures in Table 1-1 are implemented:	(-$15,841)
Total, Additional First Costs related LEED, less incentives:	**$128,040**
Estimated annual savings from green and sustainable technologies, strategies and design:	**$11,622**
(Extrapolated 20-year life cycle energy savings from sustainable strategies (no escalation):	*$232,440)*
Simple Payback Period (all fees and costs / annual savings)**:**	**11 years**
First Cost Design fees as a percentage of project cost:	0.84%
First Cost Construction fees as a percentage of project cost:	1.10%
All investments related to LEED, less incentives, as a percentage of total project cost:	**1.73%**

Costs

Below is a table summarizing first costs and paybacks for a range of sustainable strategies considered for the building*. Energy Savings and the recommended incentives are included.

It is valuable to note that while these items below are strategies that enhance a building's energy performance beyond that of a building designed to meet the prescribed code. Some of these items below are elevated standards of practice that the County and MCC had desired independent of the concern for the Wolk Center as a LEED building.

It is also important to understand that, while each item is documented independently below, these items act together - as a system - in providing a high-performance building. Were one item to be singled out and deleted from the project for its higher initial cost or its independent simple payback period, the projects overall performance would be impacted.

For example, the cost of added building envelope insulation and its lengthy payback period of nearly 8 years may not be seen independently as a sound investment compared to High-Performance Window Glazing, but it contributes meaningfully to the building's overall performance and without that one energy efficiency measure, the building's systems and the other energy efficiency measures may not be as effective.

Together, the effective payback period on these investments is only 3.2 years, after which these components continue to provide savings to the County and the College.

Table 1-1: Whole Building Design Approach Analysis Results

EEM	Project/Measure Description	Annual Energy Reduction (kWh)	Summer Peak Demand Reduction (kW)	Winter Peak Demand Reduction (kW)	Annual Natural Gas Savings (Therms)	Annual Electric Energy Cost Savings	Annual Natural Gas Cost Savings	Total Annual Energy Cost Savings	Percent Regulated Energy Improvement over Code	Estimated Incremental Cost	Simple Payback Period (years)	Incentive	Customer Effective Payback Period (years)
ALL	***Design Package***	***52,662***	***16.4***	***11.3***	***4,435***	***$7,098***	***$4,524***	***$11,622***	***25.1%***	***$53,067***	***4.57***	***$15,841***	***3.20***
1	Improved Levels of Building Envelope Insulation	2,942	1.7	-0.2	1,421	$339	$1,439	$1,778	4.8%	$14,909	8.39	$1,007	7.82
2	High-Performance Window Glazing	4,313	1.6	-0.2	829	$535	$846	$1,381	3.8%	$4,095	2.97	$1,165	2.12
3	Exterior Solar Sunshades	217	0.2	0.0	-22	$32	-$22	$10	0.0%	$4,400	NA	$100	NA
4	High Albedo Roof	596	0.7	0.0	-85	$105	-$88	$17	0.0%	$4,560	NA	$328	NA
5	High Efficiency Lighting	31,621	13.3	10.1	-424	$4,692	-$420	$4,272	10.8%	$19,500	4.56	$9,091	2.44
6	Daylight Harvesting Controls in Lounge Area	1,097	0.9	0.7	-16	$194	-$17	$177	0.5%	$1,500	8.47	$468	5.83
7	Enthalpy Economizer on AHU-1	293	0.0	0.0	2	$33	$2	$35	0.1%	$706	20.17	$41	18.99
8	Discharge Air Temperature Reset	10,135	4.6	0.1	3,195	$1,581	$3,276	$4,857	12.1%	$400	0.08	$3,031	0.00
9	Occupancy Sensors for VAV Optimization	1,325	1.0	-1.1	99	$142	$107	$249	0.7%	$2,275	9.14	$535	6.99
10	Premium Efficiency Motors	560	0.1	0.1	-2	$70	-$3	$67	0.2%	$722	10.78	$114	9.08

* This data is excerpted of the Technical Assistance Study in Support of New Construction Program completed by SAIC for Monroe Community College, Revised April 2008.

Project Team

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Monroe Community College
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Brighton Campus
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Programming Consultant:
Scott Blackwell Page
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Environmental Engineering:
Lu Engineers
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tel.: 585.377.1450
fax: 585.377.1266

Photos

Project file information

MCC is in the process of developing a web site and is posting resources regarding the Wolk Center building and other sustainable efforts and initiatives. It can be found at: http://www.monroecc.edu/.

Visiting options

Guided tours are available. For more information and to arrange a tour, contact MCC at:

Monroe Community College
Brighton Campus
1000 East Henrietta Road
Rochester, New York 14623
Phone: (585) 292-2000

Directions:

To reach the MCC Brighton Campus from:
The West (Buffalo):
Take Thruway 90 east to exit 46; take 390 north to exit 16, the second East Henrietta Rd. (Rt. 15A) exit; turn left and continue south on 15A for about 1/2 mile to the main campus entrance.

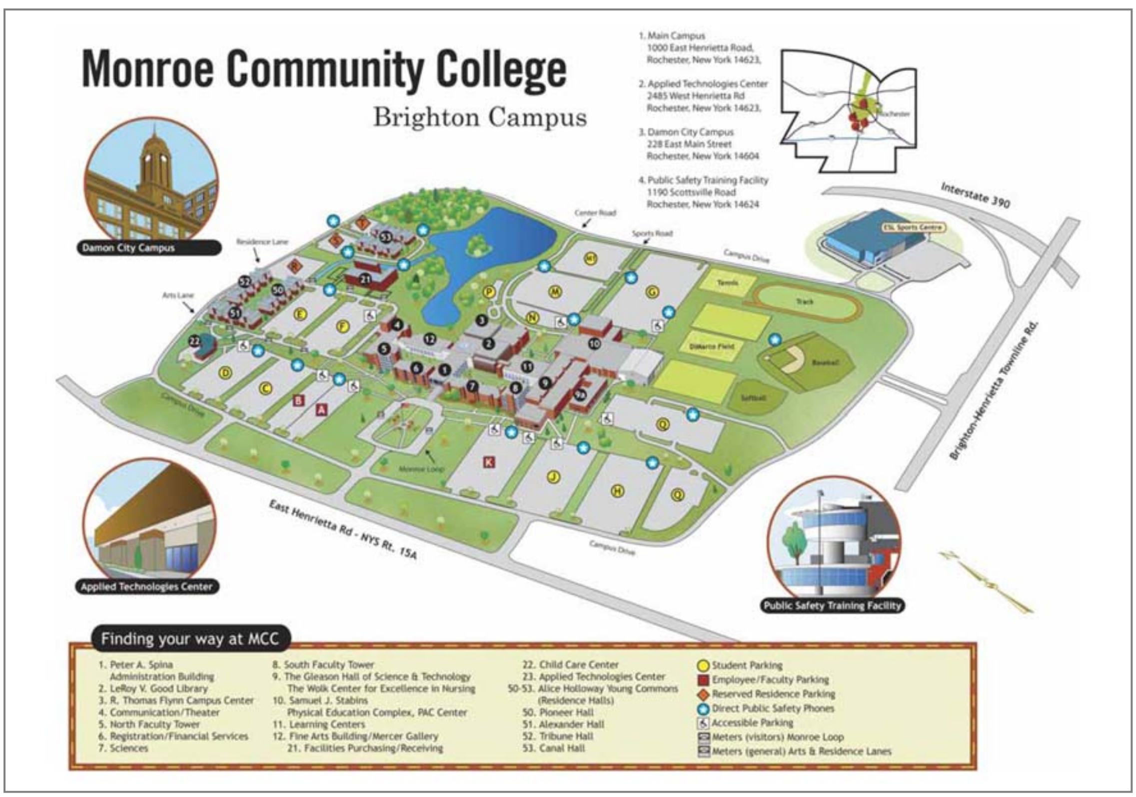
The East (Syracuse): Take Thruway 90 west to exit 46 and proceed as above.

South (Geneseo): Take 390 north to exit 16 - the **second** East Henrietta Road exit and proceed as above.

Brockport/Spencerport: Take Route 531 east to 490 east and then to 390 south; take exit 16B (East Henrietta Rd. - Rt. 15A); turn right and proceed for about 1/2 mile to the main campus.

Please consult the http://www.monroecc.edu/ website to find the latest campus maps;

The information provided in this map is valid as of: December 2008 and can be found at:
http://www.monroecc.edu/webdbs/WebMP.nsf/CampusMaps?OpenForm&BrMap1



FULL PROGRAM DESCRIPTION

The Monroe Community College Louis S. and Molly B. Wolk Center for Excellence in Nursing project entails an expansion of the existing Nursing program (8,540 Net Assignable Square Feet [NASF]) by about 2,300 NASF. The existing nursing program was split between Bldg 8 (offices) and Bldg 9 (instructional spaces) on MCC Brighton campus. Given the existing structural grid of 22'x22' and shortage of space in existing buildings, the College was able to obtain a donation from the Wolk family with matching funds from NY State and were able to pursue an addition to Bldg 9 (vintage 1965) in order to consolidate the expanded Nursing program. In addition to the Nursing program, the addition is intended to contain 2 "smart" (or high-technology) classrooms for general use.

The program for the project was developed by programming consultant Scott B Page and the location for the addition was identified by the Master Plan. The development of the selected Option 1 into a Schematic Design included the creation of a structural framing grid, the verification of all spaces with programmed sizes and preliminary coordination with mechanical and plumbing systems. The sub-dividable class labs on the second floor have been configured such that entries into each class lab are from within the nursing suite. Also, all corridors (primary – public circulation & secondary – nursing program circulation) have kept consistently at 8'-0" minimum width as compared to 8'-0" for primary and 6'-0" for secondary circulation. As a result of these revisions, the building envelope presented has a total area (both floors) of 24,400 square feet. Programmed areas for all spaces have been met however at a much higher grossing factor.

The stair and elevator have been separated in order to mitigate the "pinch point" created between the addition and Building 8. The Second Floor plans have been configured to maximize the number of offices with windows.

The two-story addition is proposed to be taller than the existing high roof of building 9 due to the required plenum space for mechanical systems (which is currently inadequate on the existing second floor). As a result, strategies to mitigate snow drift onto the existing roof will be analyzed.

The entrance to the addition is designed as a taller storefront for emphasis given the small scale of the addition relative to the overall West façade of the Brighton campus. The second floor of the entrance would have the ability to look into the vestibule. This also provides adequate mass to create a strong presence and signage opportunity at the entrance.

The materials for the building are primarily brick (to match existing campus brick), aluminum windows & storefront system and some metal panels for accent.

In order to mitigate the solar radiation on the south facing windows, limited sun shading is being considered. The sun shading also allows to create some architectural effect with light and shadows, while improving interior comfort from reduced heat gain and glare.

Due to the scale of the addition, a fair portion of the existing west facade of building 9 would be visible. Given the poor condition of the concrete and the relatively bland existing facade, the existing facade should be cleaned and painted.

Key Project Design Objectives

- Provide flexible & appropriate facilities within MCC standards and goals & objectives defined in the Master Plan.
- Review options for direction of expansion and maximize additional program space through combination of new construction and renovations.
- Improve proximities within the Nursing program
- Maintain and improve horizontal & vertical circulation
- Improve accessibility (circulation & toilets) & way-finding
- Pursue a strategy to improve electrical and mechanical infrastructure
- Capitalize on project site location to enhance the West façade of the campus.
- Pursue strategies to stay within the Phase I budget of $7 million.

Design Criteria

- Organizing elements – Building 9 major corridors, instructional spaces and faculty offices
- Creating collaborative, shared and flexible space.
- Achieving micro & macro level relationships
- Building efficiency – pursuing strategies to reduce the grossing factor (ratio total building area to net usable space) for the addition to ensure best usage of available funds
- Incremental strategy for mechanical systems – improving efficiency and flexibility
- Incremental strategy for hazardous material abatement in existing building 9
- Provision of adequate storage for equipment and supplies
- Image & character of the built environment – enhancing West side of Brighton Campus
- Outdoor activity spaces

(cont'd.)

The Nursing Program has grown recently as a result of grant monies however the program has "roamed" somewhat within the facility over the past few years. One goal is to utilize technology to provide flexible, dedicated labs for several of the nursing courses, incorporating modular design. These will be assigned to the Nursing Program exclusively. Adaptability of these rooms is a high priority. Other labs may be simpler and more like classrooms, so that they may be used as general classrooms for other programs when not needed for Nursing courses.

The program is based on an analysis of classroom contact hours. There are a set number of clinical spaces required by the Nursing program:

- Nursing space consists of Lab Spaces, Classrooms, Faculty Offices and a Learning Center. From existing fall 2005 there is a 2,200 deficit from projected Fall 2008 need. The program goal is to design to a 67% efficiency factor.
- In addition, two general use classrooms and a student lounge space are planned.
- The gross square footage will include building support (stairs, toilets, corridors, mechanical and maintenance spaces) and structural wall displacement.
- Many of the teaching faculty are adjunct and come from off campus. Offices will be provided for full-time faculty and administration which equals 3,000 net SF.
- 6-Nursing Classrooms (30 Stations) are planned to be modular to provide flexibility from year to year. Each will adjoin service area for storage and preparation. Bed lab (8 Stations) includes wings of space for the bed treatment area. The Nursing Fundamentals Lab (24 Stations).
    - Modular labs will allow for change in technology and program.
    - All rooms will be "smart" classrooms with suitable infrastructure.
    - Possibility of having simulator Labs with specialty 3-D imaging in future.


Lounge

Site Design
The Wolk Center Building addition consists of a 2 story-22, 000 +/- square foot building addition off the west end of Building #9. The area to be occupied by the proposed building is a grass area with trees and concrete sidewalks. The concrete sidewalks will be relocated to better-proportion students' access between the new west entrance to the Wolk Center and the existing access to Building #9 which will be maintained.

Although there is no impact to any vehicular circulation, a small modification to the loading dock access off the south face of Building #9 is proposed. This will allow access to the loading dock to be from parking lot Q via an asphalt access drive rather than a concrete sidewalk presently being utilized by pedestrians and vehicles.

The following sections outline the site related activities associated with the construction of the Wolk Center.

Pedestrian Access
The existing pedestrian walkways, which consist of concrete sidewalks, will be removed from within and around the proposed building footprint. New concrete sidewalks (8 foot wide minimum) will be installed from the main north / south sidewalk adjacent to parking lots J and K to the new Wolk Center. A sidewalk will also be installed adjacent to the west and south walls of the new building to allow pedestrians from parking lot Q to access building #9 or proceed north to the entrance of Building #8. It is anticipated that all sidewalks will be installed at a grade less than 5% so no ramps would be required.

Grading/Topography
The existing topography is presently being obtained. It is anticipated that the new first floor elevation of the new building will match existing. Grade presently slopes up from Building #9 to parking lot K. A low spot will be created to intercept drainage from the remaining grass area. Earthwork for this building addition will be minimal barring non-suitable material within the building footprint.

Water service
There is an existing water main on the Westside of the proposed building addition. A new 4-inch ductile iron domestic water service and a 6-inch fire service will be installed to the Wolk Center addition. Back flow prevention will be provided within the new building immediately upon where the service enters the building.

Storm Sewer
An existing 12-inch storm sewer will be relocated from within the new building's footprint. Wyes will be provided for the 4-inch and 6-inch laterals to pick up roof leaders. The size of the storm sewer will have to be checked for proposed capacity. The building additions increase in storm water flows should not require an upgrade of the existing storm sewer downstream.

Sanitary Sewers
There are no sanitary sewer mains in close proximity to the proposed building addition. A connection to the existing sanitary sewer within Building #9 is being investigated for feasibility of tie-in.

Electric
There is an existing electrical service from Building #8 that will be within the proposed building footprint. This line will have to be relocated from under the proposed building and located to the west. In addition, a new electrical feed is being proposed (presently proposed within existing duct bank) to service the Wolk Center as well as a future field house.

Gas Main
A 4-inch gas main will need to be relocated to the west out of the proposed building footprint. There is an option of running the gas main through the existing Building 9 for cost saving and future ease of access. The main shall be sized to include the proposed Field House Addition.

Landscaping
There are a number of 3-6 inch crabapple and ornamental type trees along with a 10-inch ash that need to be removed. It is our understanding that none of these trees are donor trees. A new landscape plan is being developed to match the rest of the campus landscape and appearance. It should be noted that the courtyard created between Building #8 and proposed Building #9, may not support establishment of lawn and therefore a stone surface may be provided.

State Environmental Quality Review Act (SEQRA)
Monroe County would be the apparent lead agent for the existing building renovations and building addition for the Wolk Nursing Center. In accordance with New York State's SEQRA guidelines, this project would be an Unlisted Action to which Monroe County has determined would undergo a coordinated review. A short environmental assessment form has been prepared.

The involved agencies to be contacted in order to finalize lead agency status, has been identified as follows:

- Town of Brighton
- Monroe County
- Dormitory Authority of the State of New York
- Monroe County Water Authority (water main extension and back flow preventer
- New York State Historic Preservation Office
- Monroe County is in the process of distributing letters indicating their intent to establish themselves as lead agent. Once these agencies have responded that this is a matter for Monroe County, a SEQRA determination can be initiated and impacts investigated.

Codes and Standards

All work will comply with the following:
Plumbing Code of New York.
Energy Conservation Construction Code of New York State.
NFPA-13, Installation of Sprinkler Systems.
ICC/ANSI A117.1 – Standard on Accessible and Usable Buildings and Facilities

Plumbing

Domestic Water System – Cold, Hot and Re-circulating:

Domestic cold water will be connected to the campus water main. A water meter assembly will be provided.

The water service will be equipped with reduced pressure zone backflow preventers (BFP) installed in a duplex arrangement. A drain, sized to carry the full backflow relief valve discharge, will be provided. The backflow preventers will be located such that the relief valve discharge will flow by gravity. The existing water service in Building 8 will be back fed off of the proposed BFP.

Hot water supply and return will tie into the existing system served off of a heat exchanger in Building 8.
All piping shall be thermally insulated.

A water cooler will be provided for each floor in a common area.

Sanitary Waste and Vent Systems:

All waste from fixtures and floor drains located in Toilet Rooms, Mechanical Rooms, etc. will be considered sanitary waste and will be disposed to the campus sanitary system.

Storm Water Drainage System:

All drainage from roof drains will be transmitted to the campus storm water system. Roof drains will be added to the affected areas of existing roof, located at mid-spans of beams to improve performance.
A secondary storm drainage system will be provided at locations where the roof perimeter construction extends above the roof such that water will become entrapped if the primary system becomes disabled for some reason.

HVAC

A new air handling unit will be provided to serve the addition and west part of the existing Building 9. The air handling unit will be designed to deliver 35,000 CFM and will be a variable volume system. The air handling unit will be a custom unit and will be located at the roof of the existing building. The air handling unit will be a blow through configuration and consist of supply fan, return fan, economizer, chilled water coil, hot water preheat coil and filter sections.

The supply air distribution system will be provided with variable air volume terminal units with reheat coils for each zone. The supply air distribution system will be fully ducted. The return air distribution system will be partially ducted utilizing the space above the ceiling as a plenum return system. The proposed zoning for the air distribution system is shown on Drawing H-1 and H-2.

The chilled water and heating hot water for the air handling unit will be piped to the unit from the existing mains in the corridor of the first floor. Two way control valves will be provided on each coil. The heating hot water will also be piped to all the reheat coils or at the air terminal units.

The toilet rooms on the first and second floors will be served by an exhaust system. The exhaust fan will be located at the roof. Existing toilet room will be connected to new exhaust fan.

Tele/data closets at the first and second floors will be served by Liebert Mini Mate Dx unit. The air cooled condensing units will be located at the roof.

The electric room at the first floor will be provided with an exhaust system to remove heat from the transformer(s) located in the space. Room VAV boxes will be interlocked with the space occupancy sensor to setback ventilation air at unoccupied periods.

All new HVAC equipment will be provided with direct digital controls (DDC) connected to the existing campus control system for controlling and monitoring the new equipment.

Where hazardous gases or chemicals may be present or used (i.e. custodial areas) each space is exhausted sufficiently to create negative pressure with respect to adjacent spaces with the doors to the room closed. Self-closing doors and deck to deck partitions are provided. The exhaust rate is minimum 0.50 cfm/sq.ft., with no air recirculation with adequate pressure differential with the surrounding spaces.

Minimum Efficiency Reporting Value (MERV) of 13 Air filtration media is provided. Filtration is applied to process both return and outside air that is to be delivered as supply air.

Design for adaptability to future uses

The Wolk Center building is designed with a simple plan such that the labs and offices spaces can easily serve another similar tenant or be retrofitted to adapt to new use or future needs.

Information and software tools:
The building control system was manufactured Siemens.

Other information resources and software tools that were most helpful in the creation of this project include: LEED-Online, AutoCAD, EQuest (v 3.6)/DOE-2.2, and Adobe Acrobat.

Project Details

Identifying Information

Short Project Name:	Wolk Center for Excellence in Nursing
Full project name:	The Louis S. and Molly B. Wolk Center for Excellence in Nursing
Project owner:	Monroe Community College
Owner type:	Public
Project size:	22,880 SF
Default units of measurement:	English
Floors above Ground Plane:	2
Construction Classification Code:	1B
Occupancy Classification Code:	Group B
Project Building Code:	New York State Building Code
Full-Time Equivalent occupants:	229 (Please see “Appendix A” for details)

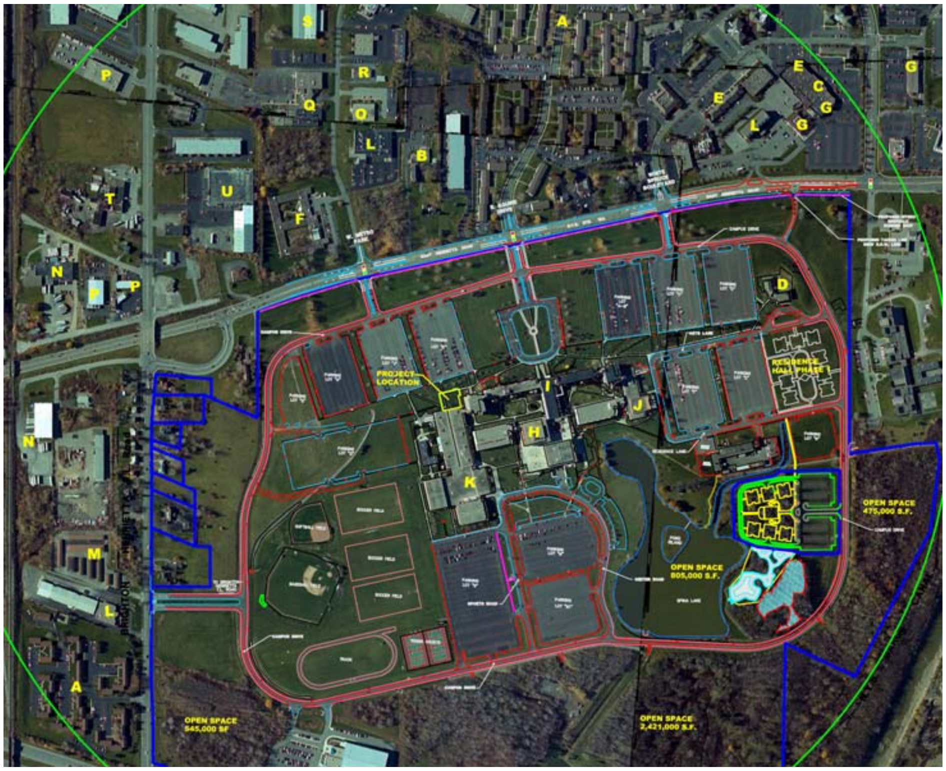


Illustration from LEED Sustainable Sites Credit 2, Community Connectivity, Parrone Engineering

Site size

Total Property Area: (in Square Feet)	56,628,000
Gross Square Footage: (in Square Feet)	22,880
Total Building Footprint: (in Square Feet)	11,440
Surface parking spaces:	None added
Structure Parking Spaces:	0
Undisturbed Site Area:	0
Site Context/Setting:	Suburban
Site Conditions:	Previously Developed

Site conditions

[ ] Pristine land (greenfield)
[X] Previously developed land
[ ] Wetlands
[ ] Running water
[ ] Agricultural land
[ ] Previously undeveloped land
[ ] Brownfield site
[X] Lake/pond
[ ] Sensitive habitat
[ ] Preexisting structure(s)

Context/Setting

Address:	1000 East Henrietta Road Rochester, NY 14623
Latitude Degrees Minutes [north/south]:	N 43° 05' 59.0"
Longitude Degrees Minutes [east/west]:	W -77° 36' 38.5"
Elevation:	514’ ASL +/-
Site context/setting:	Suburban, Campus

Project Details

Context/Setting:

Occupancy

Primary occupant type:	Not for Profit
Owner occupied:	Yes
Typical number of permanent occupants:	18 people
Average hours per permanent occupant:	varies
Typical number of visitors per week people:	316 people (includes student occupancy)
Average hours per visitor hours per week:	5.4 hours per week
Details about occupancy:	Predominantly a mix of nursing labs and office spaces; learning center, staff/student lounge and required support areas are also provided.

Number of buildings

Single Building:	Addition
Size of building:	22, 880 SF
Building Footprint:	11,440 SF

History and completion date

Percent New:	100%
Percent renovation:	0% (limited renovations in connecting)
Historic?:	No
Year of construction:	2007-2008
Year of last major renovation:	N/A
Date of completion /occupancy:	August 2008
Completion date notes:	None

Building types

[ ] Commercial office
[ ] Industrial (manufacturing, warehouse, recycling center, public works)
[X] Laboratory
[ ] Restaurant
[ ] Retail (store, supermarket, art gallery)
[ ] Financial & communications (bank, post office, data center)
[ ] Single-family residential
[ ] Multi-unit residential (apartments, townhouses, dormitories, barracks)
[ ] Special needs housing (assisted living, long-term care)
[ ] Hotel/resort
[ ] Daycare
[ ] K-12 education
[X] Higher education
[ ] Recreation
[ ] Library
[ ] Health care
[ ] Animal care (veterinary, kennel)
[ ] Interpretive Center (museum, nature center, aquarium, zoo)
[ ] Assembly (conference center, community center, convention center, place of worship, performing arts, movie theater)
[ ] Stadia & arenas
[ ] Public order & safety (police station, fire station, correctional facility, courthouse)
[ ] Transportation (airport, train station, bus station)
[ ] Park (greenway, recreation space, wildlife)
[X] Campus (corporate campus, school)
[ ] Community (neighborhood, residential development)
[ ] Military base
[ ] Regional plan
[X] Other: Academic Office

Indoor spaces

Animal care	-	Living quarters	-
Cafeteria	-	Lobby/reception	3.9 %
Child care	-	Manufacturing	-
Circulation	26.8 %	Mechanical systems	1.7 %
Classroom	34.2%	Medical treatment	-
Conference	-	Office	12.3 %
Data processing	-	Public assembly	-
Detention	-	Restrooms	2.6 %
Dining	-	Retail food	-
Elder care	-	Retail general	-
Electrical systems	.5 %	Structured parking	-
Greenhouse	-	Warehouse	-
Gymnasium	-	Maintenance	-
Laboratory	-	Storage	2%
Lab/Classrm Support	16 %		

Keywords

Process

[ ] Integrated team
[ ] Training
[ ] Simulation
[ ] Contracting
[ ] Performance measurement and verification
[ ] Design charrette
[ ] Green framework
[X] Green specifications
[X] Commissioning
[ ] Operations and maintenance

Community

[X] Transportation benefits
[X] Open space preservation
[ ] Brownfield redevelopment

Site & Water

[X] Wildlife habitat
[X] Indigenous vegetation
[ ] Water harvesting
[ ] Efficient irrigation
[ ] Graywater
[ ] Wetlands
[X] Stormwater management
[ ] Efficient fixtures and appliances
[X] Drought-tolerant landscaping
[ ] Wastewater treatment

Energy

[ ] Massing and orientation
[X] Glazing
[ ] Passive solar
[X] Lighting control and daylight harvesting
[ ] On-site renewable electricity
[ ] Insulation levels
[ ] Airtightness
[X] HVAC
[ ] Efficient lighting
[ ] Cogeneration

Materials

[ ] Adaptable design
[ ] Benign materials
[X] Recycled materials
[X] Certified wood
[X] Occupant recycling
[ ] Durability
[ ] Salvaged materials
[X] Local materials
[ ] C&D waste management

Indoor Environment

[ ] Connection to outdoors
[ ] Natural ventilation
[ ] Moisture control
[ ] Noise control
[X] Indoor air quality monitoring
[ ] Daylighting
[X] Ventilation effectiveness
[X] Thermal comfort
[X] Low-emitting materials

Financing mechanisms

Credit enhandment

[ ] Loan guarantees-public (NYS) [ ] Loan guarantees-private

Equity

[ ] Cash
[ ] Government appropriation
[ ] Historic tax credits
[ ] Affordable housing tax credits
[ ] Green building tax credits
[X] Other tax credits (NYSERDA)

Grant

[X] Public agency
[X] Private

Loans

[ ] Public institution
[ ] Private (bank, insurance)
[ ] Bond

Procurement process

[X] Design-bid-build (CM)
[ ] Design-build
[ ] Performance based contracts

Data reliability

The foregoing constitutes the author’s understanding and interpretation of provided documentation.

Not for publication.

The information provided here is valid as of: December2008

Information in this document was provided by the following sources:
SWBR Architects

- Monroe Community College
- M/E Engineering, P.C.
- *SAIC Technical Assistance Study in support of New Construction Program,* completed by SAIC, Revised April 2008.

Photos

For questions regarding use of photography or digital files, please contact SWBR Architects at:

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fax: 585.232.9221

Appendix A
Full-time Equivalent Employees

MCC Louis S and Molly B
Wolk Center for Excellence in Nursing

KEY
classroom

Full-Time Equivalent (FTE) Calculations

A	B	C	D	E	F	G	H	J
from floor plan	form floor plan	from client	from client	from client	from client	from client	calculated	calculated
						F/5	G/8	E*H
Room	**Usage**	**Full-Time Employees**	**Part-Time Employees**	**Student/ Transient**	**Weekly hrs./ utilization**	**Daily hrs./ utilization**	**Daily Occupant Hours/8**	**FTE Value**
101	Faculty Office	1			40			
103	Faculty Office	1			40			
104	Nur clsrm.			22	24	4.8	0.6	13.2
105	Faculty Office	1			40			
107	Faculty Office	1			40			
109	Faculty Office	1			40			
111	Secretary Office	2			40			
111A	Chair Office	1			35			
112	Nur clsrm.			22	24	4.8	0.6	13.2
113	Admin storage		1		4	0.8	0.1	0.1
114	Nur clsrm.			22	24	4.8	0.6	13.2
115	Work room		1		6	1.2	0.15	0.15
116	Nur clsrm.			22	24	4.8	0.6	13.2
117	Faculty Office	1			40		0	0
118	Nur clsrm.			22	24	4.8	0.6	13.2
119	Faculty Office	1			40			
121	Faculty Office	1			40			
123	Faculty Office	1			40			
124	Nur clsrm.			24	21	4.2	0.525	12.6
125	Storage			0	0			
126	General Clsrm			35	34	6.8	0.85	29.75
128	General Clsrm			35	34	6.8	0.85	29.75
194	Data			0	0			
199A	Mech. Room			0	0			
201	Faculty Office	1			40			
203	Faculty Office	1			40			
205	Faculty Office	1			40			
207	Faculty Office	1			40			
209	Faculty Office	1			40			
211	Faculty Office	1			40			
213	Lounge			3	40	8	1	3
215	Bed lab			9	8	1.6	0.2	1.8
216	Nur.LC			12	40	8	1	12
216B	Office		1		25	5	0.625	0.625
217	Lab Support		1		4	0.8	0.1	0.1
219	Fundamentals				24	4.8	0.6	0
220	Lab support		1		5	1	0.125	0.125
221	Part time Office		2 *		10	2	0.25	0.5
223	Adjunct Office		2 *		8	1.6	0.2	0.4
224	Nur.clsrm.			22	21	4.2	0.525	11.55
224A	Nur.clsrm.			22	28	5.6	0.7	15.4
226	Nur.clsrm.			22	21	4.2	0.525	11.55
226A	Nur.clsrm.			22	28	5.6	0.7	15.4
294	Data				0			
Full-time Employees		**18**						
Transient Occupant Calculation								**211**
Peak Building Users								**229**

* Due to limited utilization in these spaces, part-time employees sharing an office are not counted as full-time for calculation purposes since shift overlap does not occur.

Appendix B
Technical Assistance Study in Support of New Construction Program

October 2007
Revised April 2008

TECHNICAL ASSISTANCE STUDY IN SUPPORT OF NEW CONSTRUCTION PROGRAM

completed by

SAIC - *CONTRACT #8103-04*

for

Monroe Community College
Wolk Center Addition to Building 9 (School of Nursing)
Rochester, New York

Project Number: NCP7190

Science Applications International Corporation
6390 Fly Road
East Syracuse, New York

New York State
Energy Research and Development Authority

New York Energy Smart[SM]
PUBLIC SERVICE COMMISSION
NYSERDA

NOTICE

TABLE OF CONTENTS

SECTION 1 - EXECUTIVE SUMMARY

OVERVIEW

The New York State Energy Research and Development Authority (NYSERDA) is offering financial incentives to qualified customers who implement electric energy efficiency measures in new construction or major renovation projects that exceed standard practice. The NYSERDA New Construction Program can offset a portion of the incremental first-cost associated with the selection and installation of qualifying measures.

Science Applications International Corporation (SAIC) completed an evaluation of energy efficiency opportunities specified or considered for a new 22,800 square foot two-story addition to Building 9 on the Brighton Campus of Monroe Community College (MCC). The addition will house classrooms, faculty offices and computer lab for the School of Nursing.

The project has been registered with the United States Green Building Council's (USGBC) Leadership in Energy and Environmental Design (LEED®) program under LEED-NC Version 2.2. Consequently, the design team is incorporating features into the building that meet the criteria for a rating from the USGBC using the LEED® Rating System.

The new addition will be constructed with levels of insulation and glazing performance characteristics that exceed the prescriptive requirements of the Energy Conservation Construction Code of New York State (ECCC) and ASHRAE Standard 90.1-2004 – *Energy Standard for Buildings Except Low-Rise Residential Buildings*. The application of a high albedo (i.e., highly reflective) roof to reduce cooling loads and heat island effect is under consideration. One (1) LEED rating point is available if the requirements of *Sustainable Sites (SS) Credit 7.2 – Heat Island Effect: Roof* are met.

High-performance glazing will be provided to reduce solar heat gain and conductive heat loss and gain. Additionally, aluminum sun louvers are located above the windows at the second floor lounge and the main entrance to further reduce solar heat gain and to help control glare. SAIC evaluated insulation and glazing options during design development to help the design team optimize building energy and economic performance.

The HVAC system design calls for a central variable air volume (VAV) air handling unit to supply conditioned air to VAV terminal boxes serving individual zones. The supply and return fans in the unit will be fitted with variable frequency drives (VFDs) to vary the amount of air delivered to the building in response to a duct static pressure control. The air handling unit will include a hot water preheat coil and chilled water coil to maintain discharge air temperature at setpoint. Chilled and hot water will be supplied to the new addition from the existing campus central plant by variable flow/variable speed secondary pumping systems.

A building automation system (BAS) will provide monitoring, direct digital control (DDC), and central management of the HVAC systems. Control enhancements considered for the project include use of lighting occupancy sensors to reduce air flow through VAV terminal boxes serving offices and classrooms (and other appropriate spaces) when individual spaces are unoccupied; dual enthalpy economizer; and discriminator controls to reset duct static pressure and discharge air temperature setpoints on the VAV system. Demand controlled ventilation (DCV) was ruled out as a measure based on the VAV system type, resulting complexity and cost of providing the necessary carbon dioxide sensors and control, as well as limited potential for savings for the specific application. DCV is more typically applied to assembly areas served by single zone systems.

The lighting system will be designed for power densities significantly lower than ECCC maximums. The design team was advised to design the lighting system to power densities lower than ASHRAE Standard 90.1-2004 as it is more stringent than the ECCC, which is based on the 1999 Standard and has been shown to be cost-effective with improvements in lighting technology. Automatic daylight dimming control of fluorescent fixtures will be provided in the second floor lounge.

A summary of the design features that will reduce energy requirements follows.

- Improved levels of building envelope insulation over the prescriptive requirements of the ECCC and ASHRAE 90.1-2004.
- High-performance/reduced SHGC window glazing.
- Exterior solar sunshades.
- EnergyStar® compliant high albedo roof.
- High-efficiency lighting and controls with lighting power densities lower than the maximum permissible allowed by ASHRAE 90.1-2004.
- Daylight harvesting controls in the second floor lounge.
- Control enhancements through the building automation system (BAS) including use of lighting occupancy sensors to reduce air flow through VAV terminal boxes when individual spaces are unoccupied; enthalpy economizer on AHU-1; and discriminator controls to reset duct static pressure and discharge air temperature setpoints on the VAV air handling unit.
- Premium-efficiency motors that meet NYSERDA minimum prescriptive requirements.

For the NYSERDA New Construction Program analysis, eQUEST/DOE2.2 building energy simulation models were developed for the "as-designed" building that includes these features and a baseline code-compliant building. These two models were compared following a Whole Building Design approach to determine annual energy and summer on-peak demand savings for the proposed building design. Financial incentives available through the New Construction Program were then calculated based on electric energy and demand savings. Graphic representations of the eQUEST building model are shown below (Figures 1-1 and 1-2).

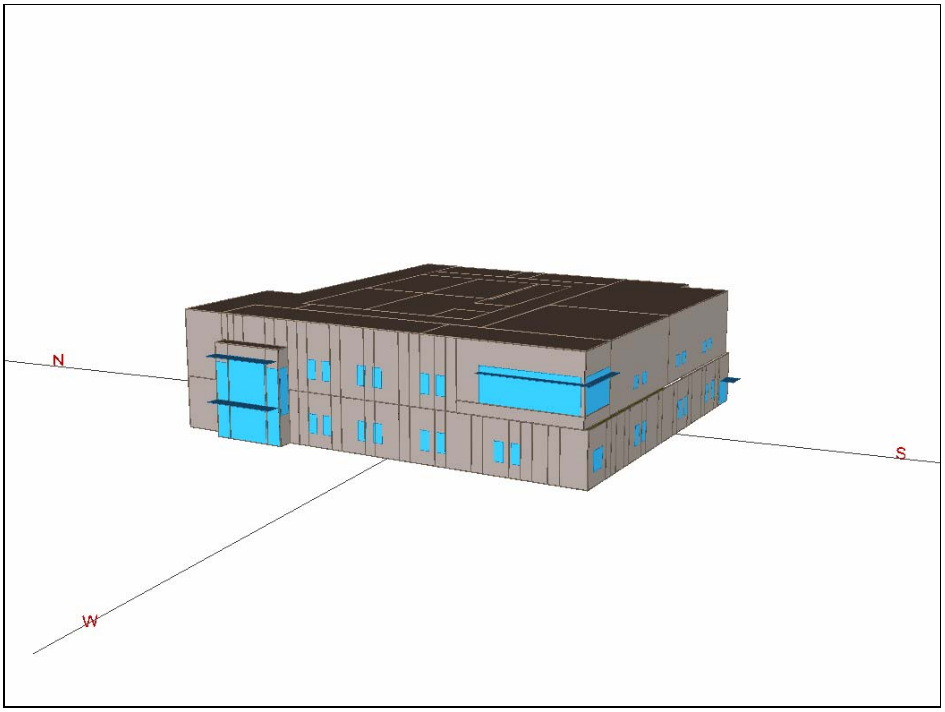

Figure 1-1

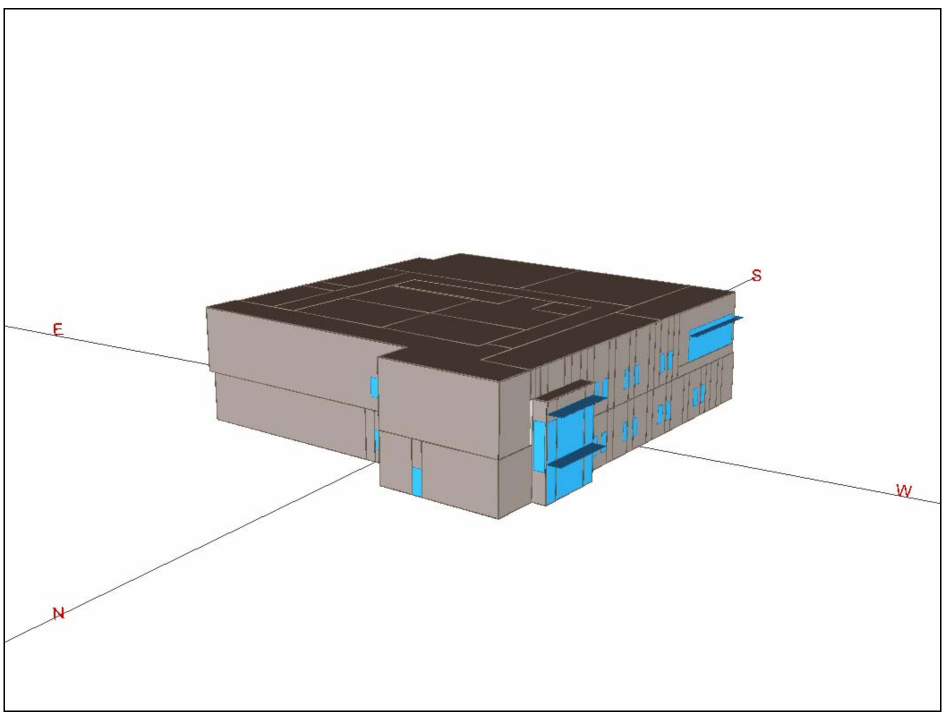

Figure 1-2

The project was evaluated by SAIC based on preliminary design documents and information provided by SWBR Architects, P.C. and M/E Engineering, P.C. Appendix A contains a list of contact names, addresses, and telephone numbers for the project participants.

METHODOLOGY

The baseline and design buildings were modeled in eQUEST (version 3.6/DOE-2.2 release 44d5), a DOE-2.2 based hourly building energy simulation program developed by James J. Hirsch & Associates. This program applies state-of-the-art features that allow a modeler to enter key characteristics for the building shell, mechanical and electrical systems, along with characteristic operating strategies and schedules. The interactions between all of the different building loads, systems and plants are then simulated in hourly time intervals using typical or long-term average weather data for the location to provide a detailed account of energy consumption and demand.

For a whole building design approach, an energy simulation model is developed for the building with all energy efficiency measures under consideration implemented. These may include higher levels of building envelope insulation than required by code, high-performance glazing, energy-efficient lighting designs, and high-efficiency HVAC equipment. A baseline model is then developed that just meets the Energy Conservation Construction Code of New York State (ECCC). These two models are compared so the incentive for the project can be determined based on annual energy and summer and winter peak demand savings.

The incentive level for whole building projects depends on the percent energy cost savings for regulated end uses including lighting, space heating and cooling, fans and pumps, and service hot water. Unregulated end uses such as plug loads, vertical transportation, and process loads are exempt from the percent savings criteria. Annual electric energy costs were predicted by the energy simulation model based on Rochester Gas & Electric (RG&E) Large General Service Time-of-Use Electric Rate SC08 (ESCO option with supply adjustment) and Natural Gas Service SC03 tariffs.

RESULTS

Table 1-1 summarizes annual energy and peak demand savings for the proposed building design, along with the recommended incentive for the entire project and each individual measure. Energy savings and the recommended incentive for each individual measure were estimated by comparing the design model with all measures installed in the building to a baseline case with all measures implemented except for the one measure being evaluated. This approach provides interactive savings for the individual measures and, therefore, the best estimate of actual savings and incentive for each measure. The sum of the individual measure savings will not equal the savings determined from the comparison of the design model with all measures implemented and the baseline model with no measures.

Table 1-1: Whole Building Design Approach Analysis Results

EEM	Project/Measure Description	Annual Energy Reduction (kWh)	Summer Peak Demand Reduction (kW)	Winter Peak Demand Reduction (kW)	Annual Natural Gas Savings (Therms)	Annual Electric Energy Cost Savings	Annual Natural Gas Cost Savings	Total Annual Energy Cost Savings	Percent Regulated Energy Improvement over Code	Estimated Incremental Cost	Simple Payback Period (years)	Incentive	Customer Effective Payback Period (years)
ALL	***Design Package***	***52,662***	***16.4***	***11.3***	***4,435***	***$7,098***	***$4,524***	***$11,622***	***25.1%***	***$53,067***	***4.57***	***$15,841***	***3.20***
1	Improved Levels of Building Envelope Insulation	2,942	1.7	-0.2	1,421	$339	$1,439	$1,778	4.8%	$14,909	8.39	$1,007	7.82
2	High-Performance Window Glazing	4,313	1.6	-0.2	829	$535	$846	$1,381	3.8%	$4,095	2.97	$1,165	2.12
3	Exterior Solar Sunshades	217	0.2	0.0	-22	$32	-$22	$10	0.0%	$4,400	NA	$100	NA
4	High Albedo Roof	596	0.7	0.0	-85	$105	-$88	$17	0.0%	$4,560	NA	$328	NA
5	High Efficiency Lighting	31,621	13.3	10.1	-424	$4,692	-$420	$4,272	10.8%	$19,500	4.56	$9,091	2.44
6	Daylight Harvesting Controls in Lounge Area	1,097	0.9	0.7	-16	$194	-$17	$177	0.5%	$1,500	8.47	$468	5.83
7	Enthalpy Economizer on AHU-1	293	0.0	0.0	2	$33	$2	$35	0.1%	$706	20.17	$41	18.99
8	Discharge Air Temperature Reset	10,135	4.6	0.1	3,195	$1,581	$3,276	$4,857	12.1%	$400	0.08	$3,031	0.00
9	Occupancy Sensors for VAV Optimization	1,325	1.0	-1.1	99	$142	$107	$249	0.7%	$2,275	9.14	$535	6.99
10	Premium Efficiency Motors	560	0.1	0.1	-2	$70	-$3	$67	0.2%	$722	10.78	$114	9.08

Based on the results of the whole building analysis, the owner is eligible for an incentive of ***$15,841*** if all of the measures listed above are implemented. This incentive reduces the simple payback period for the project from 4.57 to 3.20 years assuming a total incremental cost of $53,067 for all of the energy efficiency measures.

A few measures result in excessively long simple payback periods and may not be justified on energy savings alone. However, other reasons may exist to implement these measures. For example, a high albedo roof (EEM-4) reduces heat island effect and can result in one (1) LEED rating point if the requirements of *Sustainable Sites (SS) Credit 7.2 – Heat Island Effect: Roof* are met. Also, exterior solar sunshades (EEM-3) are provided to reduce glare in the space.

If LEED® certification is achieved and 2 or 3 points are obtained from LEED *Energy and Atmosphere Credit 1 (EAc1) – Optimize Energy Performance*, the capital cost incentive will be increased by 10% or ***$1,584***. The applicant is also eligible for a ***$7,500*** LEED incentive if the project becomes LEED® certified and a minimum of two points is achieved under the same credit. The project is expected to receive 3 rating points for the credit (see below). Therefore, the total incentive available to the applicant for the project is ***$24,925***.

The applicant design team (i.e., architect or engineer of record) is eligible for an incentive of ***$1,476*** based on the percent energy improvement over the energy code for the proposed building design (25.1%). For projects that exceed the energy code by 25.1%, an incentive of $90/kW summer peak demand saved is available.

Energy savings from the proposed building design would, if fully implemented, provide societal benefits in the form of reduced emissions from power generating plants including nitrogen oxides (NO_x), sulfur oxides (SO_x), and carbon dioxide (CO_2). The energy savings predicted for the project would result in the following annual reduction in emissions:

- 79 pounds of nitrogen oxides (NO_x)
- 159 pounds of sulfur oxides (SO_x)
- 29 tons of carbon dioxide (CO_2)

These savings are equivalent to removing six cars from the road.

Summary of NYSERDA Incentives:

The following table summarizes financial incentives available from NYSERDA for the project. NYSERDA will issue an incentive check to the Owner for the energy efficiency measures after construction is completed and the measures are inspected to verify program compliance. A second check will be issued by NYSERDA for incentives related to LEED certification after certification is obtained.

Analysis Method	Incentive
Whole Building Design	$15,841
LEED® Green Building Bonus (10%)	$1,584
Applicant LEED® Incentive	$7,500
Applicant Design Team Incentive	$1,476
Total Incentive Upon LEED® Certification	***$26,401***

COMMISSIONING

Commissioning of the energy efficiency measures is required by the New Construction Program when the recommended incentive exceeds $100,000. Since the incentive for this project is less than $100,000, commissioning is not required to meet Program requirements. However, the building must be commissioned to meet the requirements of LEED® *Energy and Atmosphere Prerequisite 1 – Fundamental Commissioning of the Building Energy Systems* if LEED certification is pursued. The six LEED requirements outlined in LEED-NC Version 2.2 Reference Guide for *EAp1* are:

1. Designate an individual as the Commissioning Authority (CA) to lead, review and oversee the completion of the commissioning process activities.
2. The Owner shall document the Owner's Project Requirements (OPR). The design team shall develop the Basis of Design (BOD). The CA shall review these documents for clarity and completeness. The Owner and design team shall be responsible for updates to their respective documents.
3. Develop and incorporate commissioning requirements into the construction documents.
4. Develop and implement a commissioning plan.
5. Verify the installation and performance of the systems to be commissioned.
6. Complete a summary commissioning report.

The project would be eligible for one rating point if LEED *Energy and Atmosphere Credit 3 – Enhanced Commissioning* is completed.

LEED® ENERGY AND ATMOSPHERE CREDIT 1 – OPTIMIZE ENERGY PERFORMANCE

The design team has incorporated features into the building that meet the criteria for a rating from the United States Green Building Council (USGBC) using the LEED® (Leadership in Energy and Environmental Design) Rating System. To assist in this effort, SAIC developed eQUEST/DOE-2.2 models of the proposed and baseline buildings to determine the number of additional rating points available from LEED *Energy and Atmosphere Credit 1 (EAc1) – Optimize Energy Performance.* The LEED® *Option 1 – Whole Building Energy Simulation* compliance path was followed. This approach uses the Building Performance Rating Method (PRM) outlined in Appendix G of ASHRAE 90.1-2004. Section 4 presents the results of this analysis.

Based on this analysis, the design building provides 19.3% energy cost savings relative to the baseline building. This results in three (3) LEED rating points for EAc1. The number of points awarded for the credit is subject to USGBC review of the credit submission.

It should be noted that the portion of the existing building to be served by AHU-1 was *not* modeled because it is not yet defined. As noted in Section 3, the 35,000 CFM unit is sized to meet loads in the new addition as well as loads in a portion of the existing building that will be converted to VAV in a future construction phase. The PRM states in Table G3.1 that it is acceptable to predict performance using building models that exclude parts of the existing building provided that the excluded areas are served by HVAC systems that are entirely separate from those serving parts of the building that are included in the building model. Since this condition could not be met, it may be necessary to update the building models to meet the requirements of the PRM after the VAV system design for areas of the existing building to be served by AHU-1 is known. Consequently, the final number of LEED EAc1 rating points could deviate from the 3 points estimated in this study.

The campus is served by a combined heat and power (CHP) plant owned and operated by Siemens. A LEED CHP calculation methodology released by the USGBC in April 2006 allows for the energy benefits of campus CHP systems to be considered at the building level under EAc1 if the minimum annual CHP efficiency is at least 60% based on the Lower Heating Value (LHV) of the input fuel (natural gas). However, data provided by MCC and Siemens indicate an annual efficiency of about 57%. Therefore, no credit was taken for the campus CHP system under EAc1.

REPORT CONTENT

Section 2 of this report presents the analysis methodology. Section 3 addresses the whole building analysis including a description of the building design and the baseline comparison, energy analysis, incremental construction cost, and incentive calculation. Section 4 evaluates the building's potential to receive additional rating points from LEED *Energy and Atmosphere Credit 1 – Optimize Energy Performance.* The appendices of this report contain DOE-2.2 output reports, energy analysis spreadsheets, construction cost estimates, NYSERDA worksheets for the whole building design application, and supporting documentation for the LEED analysis.

SECTION 2 – ANALYSIS METHODOLOGY

The baseline and design buildings were modeled in eQUEST (version 3.60), a DOE-2.2 based hourly building energy simulation program developed by James J. Hirsch & Associates. This program applies state-of-the-art features that allow a modeler to enter key characteristics for the building shell, mechanical and electrical systems, along with characteristic operating strategies and schedules. The interactions between all of the different building loads, systems and plants are then simulated in hourly time intervals using typical or long-term average weather data for the location to provide a detailed account of energy consumption and demand. All simulations used Rochester TMY2 (Typical Meteorological Year) weather data, which represents typical year conditions.

The LOADS analysis program of DOE-2.2 calculates peak loads and hourly space loads imposed by ambient weather conditions and internal occupancy, lighting and equipment, as well as by variations in the size, location, orientation, construction, and materials for walls, roofs, and windows. The HVAC program simulates the operation of secondary Heating, Ventilating, and Air Conditioning (HVAC) components including fans, coils and economizers that are operated according to various user-defined temperature schedules as well as primary HVAC equipment such as boilers, chillers, and cooling towers. Utility rate structures are modeled in the ECONOMICS program to calculate building energy costs.

Architectural drawings provided to SAIC were used to obtain dimensional information and construction characteristics on the building. Thermal zones were established primarily based on building exposure, common space type, and the actual HVAC zones indicated on the drawings. Design ratings for the HVAC systems were obtained from the design drawings, specifications and manufacturer's performance data.

Installed lighting loads were calculated by SAIC from reflected ceiling plans and fixture specifications provided by the design team. Plug loads were based on the electrical equipment that would be expected in each space (e.g., office equipment, computers, copiers, etc.). This information was used to estimate installed lighting and equipment Watts for the model. Typical occupancy levels and schedules were obtained from the owner. The program not only models input energy to lighting and electrical equipment, but it also calculates heat generated by these systems and building occupants and the resulting load imposed on the building's HVAC systems.

For a whole building design approach, an energy simulation model is developed for the building with all energy efficiency measures under consideration implemented. A baseline model is then developed that just meets the Energy Conservation Construction Code of New York State. These two models are compared so the incentive for the project can be determined based on annual energy and summer peak demand savings.

For the NCP and LEED® assessments, the whole building design results are measured on percent energy *cost* savings. However, the NCP analysis follows the Energy Cost Budget Method of ASHRAE Standard 90.1-1999, which separates building energy end-uses into regulated and unregulated loads. Regulated end uses include lighting, space heating and cooling, fans and pumps, and service hot water. Unregulated end uses, such as plug loads, vertical transportation, and process loads, are exempt from the percent savings criteria. The ASHRAE 90.1-2004 Performance Rating Method used for the LEED EAc1 analysis does not separate the end uses into regulated and unregulated loads. This approach is discussed further in Section 4.

Rochester Gas & Electric (RG&E) Large General Service Time-of-Use Electric Rate SC08 (ESCO option with supply adjustment) and Natural Gas Service SC03 tariffs were modeled in eQUEST to estimate annual energy costs and to calculate the percent energy cost reduction. Only electrical energy and summer on-peak demand savings can be considered for the incentive calculation. The following table presents the unit incentive for each tier. Incentives are capped at 60% of the incremental cost for the project or $400,000, whichever is less.

Table 2-1: NYSERDA New Construction Program Whole Building Design Incentives for PON 1035

Percent Above Code	Energy ($/kWh)	Summer On-Peak Demand ($/kW)	Winter On-Peak Demand ($/kW)
10% to 15%	$0.14/kWh	$370/kW	$0/kW
>15% to 20%	$0.15/kWh	$390/kW	$0/kW
>20% to 25%	$0.16/kWh	$410/kW	$0/kW
Over 25%	$0.17/kWh	$420/kW	$0/kW

Construction cost estimates were developed by SAIC. The cost estimates were based on cost data provided by the design team (if available), vendor quotes, previous projects evaluated by SAIC for the New Construction Program and material costs, labor costs, overhead and profit taken from current R.S. Means Electrical, Mechanical and Construction Cost Data (30th Annual Edition, 2007).

SECTION 3 – WHOLE BUILDING DESIGN ANALYSIS

Proposed Project and Baseline Description: The proposed project includes the following energy efficiency measures. These measures are not required by code or considered standard design practice for the building addition.

- Improved levels of building envelope insulation.
- High-performance/reduced SHGC window glazing.
- Exterior solar sunshades.
- EnergyStar® compliant high albedo roof.
- High-efficiency lighting and controls with lighting power densities lower than the maximum permissible allowed by ASHRAE 90.1-2004.
- Daylight harvesting controls in the second floor lounge.
- Control enhancements through the building automation system (BAS) including use of lighting occupancy sensors to reduce air flow through VAV terminal boxes when individual spaces are unoccupied; enthalpy economizer on AHU-1; and discriminator controls to reset duct static pressure and discharge air temperature setpoints on the VAV air handling unit.
- Premium-efficiency motors that meet NYSERDA minimum prescriptive requirements.

Table 3-1 compares construction and efficiency characteristics of the baseline and design buildings simulated by the eQUEST models developed for this study. The baseline column lists the minimum prescriptive requirements of the Energy Conservation Construction Code of New York State (ECCC) or ASHRAE 90.1-1999 for the building envelope, lighting, and HVAC systems. The source of data for the baseline code model is also presented in the table. Design parameters are based on information shown on drawings and provided to SAIC by the project team. Reference is made to ASHRAE Standard 90.1-1999 (*Energy Standard for Buildings Except Low-Rise Residential Buildings*) when a component is not directly addressed by the ECCC.

Table 3-1: Comparison of Baseline and Design Building Characteristics – NYSERDA NCP Analysis (Climate Zone 14a)

Parameter	Baseline Building	Design Building	Baseline Source/Notes
Building Loads (11% Glazed Area)			
Exterior Wall Insulation Masonry Walls	R-0 cavity R-5 continuous	R-0 cavity R-12 continuous	ECCC Table 802.2(5)
Roof Insulation Metal Deck	R-19 continuous	R-25 continuous	ECCC Table 802.2(5)
Exterior Window Sunshades	No	Yes	
Window Glazing U-factor SHGC	 0.60 0.50/0.60	*Low-E Argon* 0.25 0.29	ECCC Table 802.2(5) (see Note 1)
High Albedo Roof Initial Solar Reflectance 3-year Aged Solar Reflectance Infrared Emittance	 0.30 NA NA	 0.75 0.65 0.90	LEED-NC Version 2.1 Reference Guide (pg. 142) and ASHRAE 90.1-1999 Section 11.4.2.b (see Note 2)
Interior Lighting (Entire Building) Power Density Power Allowance Daylighting Controls	 1.50 W/ft^2 33,899 Watts No	 1.03 W/ft^2 23,258 Watts Yes	ECCC Table 805.4.2 (see Note 3)
Exterior Lighting (Entire Site)	0.85 kW	0.85 kW	
Vertical Transportation	20 kW	20 kW	
Plug Load (Entire Building)	0.75 W/ft^2	0.75 W/ft^2	Note 4
HVAC and Service Water Heating			
HVAC System Type (NCP Analysis)	VAV system with fan VFDs for AHU-1 (System 2)	VAV system with fan VFDs for AHU-1	ASHRAE 90.1-1999 Figure 11.4.3 and Table 11.4.3A
Existing Central Plant Chiller Efficiency	Existing plant with estimated 0.60 kWh/ton-hr seasonal performance	Existing plant with estimated 0.60 kWh/ton-hr seasonal performance	Existing Chiller Plan
Existing Central Plant Boiler Efficiency	80%	80%	Existing Boiler Plant
Service Water Heating Efficiency	80%	80%	Existing System
Secondary Hot and Chilled Water Pump Flow Control	Variable Speed/Variable Flow	Variable Speed/Variable Flow	Existing Secondary Pumping System
DDC Enhancements Airside Economizer on AHU-1 Occupancy Sensors for VAV Optimization Discharge Air Temperature Reset	 Dry-Bulb No No	 Enthalpy Yes Yes	ECCC Section 803.2.6 and ASHRAE 90.1 Table 6.3.1
Motors	EPACT 92	NEMA Premium	ASHRAE 90.1 Table 10.2

Notes:
1. Baseline code glazing and envelope insulation levels are dependent on percentage of window and glazed door area on above-grade walls. Glass area covers 11 percent of the gross wall area. Second listing for baseline Solar Heat Gain Coefficient (SHGC) is for windows beneath overhangs. First value is for remaining windows.
2. LEED-NC Version 2.1 Reference guidelines specify Energy Star compliant (highly reflective) and high emissivity roofing (with emissivity of at least 0.90 when tested in accordance with ASTM 404). Modeled 3-year aged reflectance of 0.65 for design building.
3. Average lighting power density calculated from sum-total of all spaces. ASHRAE 90.1 and ECCC building area method used to determine baseline lighting power allowance (1.50 W/ft^2 maximum for a school building).
4. Miscellaneous electric (plug) loads based on survey of building owner and/or design team to estimate number of personal computers, display equipment, etc. in each DOE-2.2 zone.

The HVAC system design calls for a new central variable air volume (VAV) air handling unit designated as AHU-1. AHU-1 delivers primary air to 45 VAV terminal boxes with hot water reheat coils, which are controlled to maintain space temperature in individual zones at setpoint. The 35,000 CFM unit is sized to meet loads in the new addition as well as loads in a portion of the existing building that will be converted to VAV in a future construction phase.

The 75 hp supply air fan and 40 hp return fan will be fitted with variable frequency drives (VFDs) to modulate fan speed and airflow in response to a duct static pressure control. The air handling unit will include a hot water preheat coil and chilled water coil to maintain discharge air temperature at setpoint. A dry bulb or enthalpy economizer will allow for free cooling when outdoor conditions permit.

Chilled and hot water will be supplied to the new addition from the existing campus central plant. Two nominal 800 ton water-cooled centrifugal chillers normally operate to meet campus cooling loads. A 400 ton absorption chiller that is driven by the cogeneration system also exists, but this chiller reportedly only operates on occasion. Chilled and hot water is distributed to the new addition by existing secondary variable speed/variable flow pumping systems.

A building automation system (BAS) will provide monitoring, direct digital control (DDC), and central management of the HVAC systems. SAIC evaluated a dual enthalpy economizer for AHU-1 in lieu of a dry bulb economizer, which is required by code.

The lighting system is designed for an overall power density that is lower than the maximum specified by the ECCC following the building area method. The lighting power density for the building is approximately 1.03 Watts per square foot. This compares to a maximum lighting power density of 1.5 Watts per square foot for a school building as stipulated in the energy code and ASHRAE Standard 90.1-1999.

Automatic daylight dimming control of fluorescent fixtures will be provided in the second floor lounge. Photocells and controllers will be provided to measure lighting levels in the space and control artificial lighting (via dimming ballasts) to maintain 50 footcandles.

Contributing to the overall energy efficiency of the building are improvements in building insulation levels and glazing performance characteristics. Code requirements for the envelope are a function of percent glazed area on above grade walls. Windows and glazed doors cover about 11% of the gross wall area.

Exterior wall insulation and window glazing specified for the building meet or exceed prescriptive requirements of the ECCC (see Table 3-1). For example, the exterior wall consists of 4-inch facebrick backed by an air layer, 2-inches of rigid insulation (nominal R-12), and 8-inch CMU. This compares to minimum R-5 continuous insulation required by the ECCC for a CMU wall without interior framing in Climate Zone 14a. The initial design called for nominal R-10 insulation, but the design team opted for R-

12 insulation in the final design based on a preliminary evaluation completed by SAIC. Physical limitations prevented the application of thicker insulation.

The flat roof deck will be insulated with an average of 4 inches of polyisocyanurate having an aged thermal resistance of nominal R-24 (R-6.4 per inch). This level of insulation is higher than the minimum prescriptive requirements of the ECCC for a metal deck (R-19).

SAIC assumed that the roofing membrane on the flat roof will be highly reflective (minimum 0.75 initial solar reflectance). This Energy Star compliant membrane is intended to reduce heat island effect and solar heat gain into the building, lowering cooling energy requirements.

Low-E argon filled windows have been specified for the building with a 0.25 U-factor and 0.29 solar heat gain coefficient (SHGC). Glazing with reduced solar heat gain coefficient lowers space cooling loads and energy requirements, while lower U-factors primarily reduce heating energy requirements. Additionally, aluminum sun louvers are located above the windows at the second floor lounge and the main entrance to further reduce solar heat gain and to help control glare.

Baseline HVAC System Description for New Construction Program Analysis: The baseline HVAC system for variable air volume air handling unit AHU-1 is a VAV system with chilled water cooling and hot water heating. This baseline is consistent with Figure 11.4.3 (HVAC Systems Map) in ASHRAE Standard 90.1, which is used to establish an appropriate baseline HVAC system type for the Standard's Energy Cost Budget (ECB) method and does not allow for baseline systems that deviate significantly from the design system.

Building Energy Analysis: Energy and demand savings were estimated using the eQUEST/DOE-2.2 building energy simulation program. Appendix B and C present DOE-2 input and selected output reports for the baseline code-compliant building and the proposed design, respectively.

Based on anticipated building usage, the HVAC system was assumed to be scheduled to operate in occupied mode Monday through Friday from 6:00 a.m. to 10:00 p.m., Saturday from 7:00 a.m. to 10:00 p.m., and Sunday from 9:00 a.m. to 5:00 p.m.

Table 3-2 compares annual energy use and demand predicted by DOE-2.2 for the major end-uses in the building for the baseline and design buildings evaluated for the NYSERDA New Construction Program.

Table 3-2: Comparison of Building Energy Use and Demand for Baseline Code and Design Building Models – NYSERDA NCP Analysis

	Units	*Baseline Building*	*Design Building*	*Savings*
Maximum Summer Demand	kW	88.7	72.3	16.4
Maximum Winter Demand	kW	67.7	56.4	11.3
Area Lights	kWh	90,810	60,489	30,321
Miscellaneous Equipment	kWh	41,834	41,834	0
Space Heating	kWh	0	0	0
Space Heating	Therms	13,307	8,874	4,433
Space Cooling	kWh	37,805	20,033	17,772
Heat Rejection	kWh	1,080	416	664
Pumps and Miscellaneous	kWh	8,441	7,102	1,339
Vent Fans	kWh	65,196	62,630	2,566
Exterior Lighting	kWh	2,835	2,835	0
Domestic Hot Water	Therms	778	777	1
Total Electricity	kWh	248,001	195,339	52,662
Total Natural Gas	Therms	14,085	9,651	4,434
Total Electric Cost @ RG&E SC-8	dollars	$39,146	$32,048	$7,098
Total Gas Cost @ RG&E SC-3	dollars	$14,756	$10,232	$4,524
Total Utility Cost	dollars	$53,902	$42,280	$11,622
Total *Regulated* Electric Cost	dollars	$32,543	$25,185	$7,358
Total *Regulated* Gas Cost	dollars	$14,756	$10,232	$4,524
Total *Regulated* Utility Cost	dollars	$47,299	$35,417	$11,882

Incremental Cost: The estimated incremental cost for the proposed building design relative to the baseline building is $53,067 (see Appendix C). This includes all of the upgrades listed in Table 3-1.

Summary of Annual Electric Energy and Demand Savings and Recommended Incentive:

The following table summarizes electric energy and demand savings for the project, total energy cost savings, the recommended performance-based NYSERDA incentive, and resulting simple payback period. All incentives available for the project are presented in Section 1.

Energy Savings (kWh)	52,662
Peak Summer Demand Savings (kW)	16.4
Peak Winter Demand Savings (kW)	11.3
Energy Savings (Therms)	4,434
Total Annual Cost Savings	$11,622
Simple Payback Period with Incentive (years)	3.20
NYSERDA Incentive	***$15,841***

SECTION 4 – LEED® ENERGY AND ATMOSPHERE CREDIT 1 ANALYSIS

The design team has incorporated features into the building that meet the criteria for a rating from the United States Green Building Council (USGBC) using the LEED® (Leadership in Energy and Environmental Design) Rating System. This section presents the results of the LEED *Energy and Atmosphere Credit 1* (EAc1) analysis on the building design evaluated in Section 3 for NYSERDA New Construction Program incentives.

METHODOLOGY

SAIC developed eQUEST building energy simulation models of the proposed (i.e., design) and baseline buildings to determine the number of rating points available from LEED *Energy and Atmosphere Credit 1 (EAc1) – Optimize Energy Performance.* The LEED® *Option 1 – Whole Building Energy Simulation* compliance path was followed. This approach uses the Building Performance Rating Method (PRM) outlined in Appendix G of ASHRAE 90.1-2004. Addendum *a* to the Standard was also followed, which eliminates the requirement to distribute glazing in horizontal bands for the baseline building. Rochester TMY2 (Typical Meteorological Year) hourly weather data were used for all energy simulations.

The PRM calls for four baseline model calculations; one for the building oriented as designed and three others with the building rotated 90°, 180° and 270° from the actual orientation. Annual energy and utility costs for the final baseline building are calculated as the average of the simulation results for the four orientations. The baseline and design building models include all energy end uses for the site, including regulated (interior and exterior lighting, space heating and cooling, pumps, fans, service water heating, snow melt system) and non-regulated (elevators, and receptacle loads).

As required by the PRM, the non-regulated (process) energy use for both buildings is the same and has been scheduled such that the energy cost for the process loads is equal to 25% of the total energy cost for the baseline building. The PRM requires the default process energy use unless a detailed accounting of process loads is presented. The actual process energy use is likely much lower than that predicted by using the 25% default. This has the effect of reducing the percentage of energy savings calculated for the building, since the total energy consumption of both buildings will be higher. In order to achieve the default process energy consumption (kWh), the estimated power (kW) for the process loads was maintained (so that HVAC equipment capacity would not be affected) while operating hours were extended.

Utility costs were predicted by eQUEST based on Rochester Gas & Electric (RG&E) Large General Service Time-of-Use Electric Rate SC08 (ESCO option with supply adjustment) and Natural Gas Service SC03 tariffs. The effective blended average cost of electricity and natural gas calculated by the design building model is $0.1509/kWh and $1.078/Therm.

Annual energy costs predicted by the eQUEST model for the design building were compared to a baseline building with building envelope and energy systems that just meet the minimum prescriptive requirements of ASHRAE Standard 90.1-2004 to determine the percent improvement in building energy cost performance. ASHRAE 90.1-2004 lighting power density from Table 9.5.1 (Lighting Power Densities Using the Building Area Method) was used to determine the lighting power allowance for the baseline building.

Tables G3.1.1A and G3.1.1B of ASHRAE 90.1-2004 define the appropriate baseline HVAC system type. For this project the baseline system is a packaged (DX) constant volume system with natural gas-fired furnace section (System 3 – PSZ-AC).

In accordance with ASHRAE 90.1-2004 Appendix G, heating and cooling capacities of the baseline HVAC systems were oversized 25% and 15%, respectively, compared to eQUEST autosized loads. Baseline design air flowrates are based on a supply-air-to-room-air temperature difference of 20°F (Section G3.1.2.8). Baseline fan brake horsepower and input power was calculated from Table and Section G3.1.2.9 equations.

RESULTS

Table 4-1 compares construction and efficiency characteristics of the baseline and design buildings simulated by the eQUEST models developed for this study. The baseline column lists minimum prescriptive requirements of ASHRAE 90.1-2004 for the building envelope, lighting, HVAC systems, etc. The source of data for the baseline model is also noted in the Table.

Table 4-1: Comparison of Baseline and Design Building Characteristics – LEED EAc1 Analysis (Climate Zone 5a)

Parameter	Baseline Building	Design Building	Baseline Source/Notes
Building Loads (11% Glazed Area)			
Exterior Wall Insulation			
Design Masonry Walls/Baseline Steel Frame Walls (as per PRM)	R-13 cavity R-3.8 continuous	R-0 cavity R-12 continuous	ASHRAE 90.1-2004 Table 5.5-5
Roof Insulation			
Metal Deck	R-15 continuous	R-25 continuous	ASHRAE 90.1-2004 Table 5.5-5
Slab-on-Grade Insulation			
Perimeter	F-0.73	F-0.60	ASHRAE 90.1-2004 Table 5.5-5
Exterior Window Sunshades	No	Yes	
Window Glazing		<u>*Low-E Argon*</u>	ASHRAE 90.1-2004 Table 5.5-5
U-factor	0.57	0.25	
SHGC	0.39/0.49 North	0.29	
High Albedo Roof	No	Yes	Note 2
Interior Lighting (Entire Building)			ASHRAE 90.1-2004 Table 9.5.1 (see Note 3)
Power Density	1.20 W/ft^2	1.03 W/ft^2	
Power Allowance	27,096 Watts	23,258 Watts	
Daylighting Controls	No	Yes	
Occupancy Sensor Controls	As per ASHRAE 90.1-2004	As per ASHRAE 90.1-2004 plus private offices, restrooms, and storage areas	
Exterior Lighting (Entire Site)	0.85 kW	0.85 kW	
Vertical Transportation	20 kW	20 kW	
Plug Load (Entire Building)	0.75 W/ft^2	0.75 W/ft^2	Note 4
HVAC and Service Water Heating			

Parameter	Baseline Building	Design Building	Baseline Source/Notes
HVAC System Type (LEED EAc1 Analysis)	Packaged constant volume system (one per thermal block) with DX cooling and gas furnace heating (System 3)	VAV system with fan VFDs for AHU-1	ASHRAE 90.1-2004 Tables G3.1.1A & G3.1.1B (see Note 5)
Existing Central Plant Chiller Efficiency	Existing plant with estimated 0.60 kWh/ton-hr seasonal performance	Existing plant with estimated 0.60 kWh/ton-hr seasonal performance	Existing Chiller Plant (see Note 6)
Existing Central Plant Boiler Efficiency	80%	80%	Existing Boiler Plant (see Note 6)
Service Water Heating Efficiency	80%	80%	Existing System
Secondary Hot and Chilled Water Pump Flow Control	Variable Speed/Variable Flow	Variable Speed/Variable Flow	Existing Secondary Pumping System
DDC Enhancements			ASHRAE 90.1-2004 Section G3.1
Airside Economizer on AHU-1	Dry-Bulb	Enthalpy	
Occupancy Sensors for VAV Optimization	NA	No	
Discharge Air Temperature Reset	NA	Yes	
Motors	EPACT 92	NEMA Premium	ASHRAE 90.1-2004 Table 10.8

Notes:
1. Baseline glazing is dependent on percentage of window and glazed door area on above-grade walls. Insulation R-values indicated in this Table do not account for thermal bridge effects, but baseline and design models do derate cavity insulation R-values as appropriate.
2. New roofs with a surface reflectance greater than 0.70 and an emissivity greater than 0.75 (high albedo) are modeled with an aged reflectance of 0.45. The baseline roof is modeled with a reflectance of 0.3. See Table G3.1 of ASHRAE 90.1-2004.
3. Average design lighting power density calculated from sum-total of all spaces. ASHRAE 90.1 building area method used to determine baseline lighting power allowance. Occupancy sensor controls required for classrooms, conference/meeting rooms, and lunch/break rooms.
4. Includes elevators and miscellaneous plug loads. Connected demand for plug loads determined based on values published in Table G-B of the ASHRAE 90.1 User's Manual.
5. Modeled baseline packaged constant volume System 3 (one system per thermal block) with return air fan as per Section G3.1.2.8 and G3.1.2.9 (baseline building design shall be modeled with return air fans if specified in proposed building design).
6. Since the cost of the campus chilled and hot water utilities cannot be determined by MCC or the central plant operator (i.e., plant chilled and hot water output is not metered), a "dummy" chilled and hot water plant having performance characteristics similar to the campus plant and sized appropriately for the building addition was modeled for both the design and baseline buildings rather than modeling chilled and hot water utilities.

Table 4-2 compares baseline and design building annual energy use and demand predicted by eQUEST for the major end-uses as well as total energy use and costs for the entire building. As noted above, the baseline building results are the average of the four simulation run orientations.

Table 4-2: Comparison of Building Energy Use and Demand for Baseline and Design Building Models

	Units	*Baseline Building*	*Design Building*	*Savings*
Maximum Summer Demand	kW	106.7	82.3	24.4
Maximum Winter Demand	kW	75.1	62.5	12.6
Area Lights	kWh	72,718	60,490	12,228
Task Lights	kWh	0	0	0
Miscellaneous Equipment	kWh	97,981	97,981	0
Space Heating	kWh	0	0	0
Space Heating	Therms	6,824	6,149	675
Space Cooling	kWh	32,137	22,671	9,466
Heat Rejection	kWh	0	534	(534)
Pumps and Miscellaneous	kWh	6,270	6,787	(518)
Vent Fans	kWh	123,605	64,788	58,817
Exterior Lighting	kWh	2,835	2,835	0
Domestic Hot Water	Therms	774	776	(2)
Total Electricity	kWh	335,545	255,580	79,965
Total Natural Gas	Therms	7,598	6,925	673
Total Electric Cost @ RG&E SC-8	dollars	$48,978	$38,575	$10,403
Total Gas Cost @ RG&E SC-3	dollars	$8,102	$7,467	$635
Total Utility Cost	dollars	$57,081	$46,042	$11,039
Percent Energy Cost Savings				***19.3%***

Appendix E includes selected DOE-2.2 output reports for the LEED EAc1 baseline and design building models. These reports present annual energy use for each building end-use (reports PS-E, PS-F and BEPU) as well as economic reports (reports ES-D and ES-E) that summarize utility costs for both cases. ***Based on this analysis, the design building provides 19.3% savings relative to the baseline building. This results in three (3) LEED rating points for the credit.*** The number of points awarded for the credit is subject to USGBC review of the credit submission.

The eQUEST simulations are in compliance with the requirements of ASHRAE 90.1-2004 Appendix G for simulation discrepancies between the baseline and design models. According to Section G3.1.2.2 of the standard, the unmet load hours reported by the simulation output for both the baseline and design runs may not exceed 300 hours per year (of the 8,760 hours simulated). Further, unmet load hours for the proposed building design may not exceed the unmet load hours for the baseline building design by more than 50 hours per year. This requirement is intended as a final check that adjustments made to the baseline HVAC system sizing was done correctly (and in accordance with the Standard) so that the baseline system loading characteristics are similar to the design system.

It should be noted that the portion of the existing building to be served by AHU-1 was *not* modeled because it is not yet defined. As noted in Section 3, the 35,000 CFM unit is sized to meet loads in the new addition as well as loads in a portion of the existing building that will be converted to VAV in a future construction phase. The PRM states in Table G3.1 that it is acceptable to predict performance using building models that exclude parts of the existing building provided that the excluded areas are served by HVAC systems that are entirely separate from those serving parts of the building that are included in the building model. Since this condition could not be met, it may be necessary to update the building models to meet the requirements of the PRM after the VAV system design for areas of the existing building to be served by AHU-1 is known. Consequently, the final number of LEED EAc1 rating points could deviate from the 3 points estimated in this study.

Finally, the campus is served by a combined heat and power (CHP) plant owned and operated by Siemens. A LEED CHP calculation methodology released by the USGBC in April 2006 allows for the energy benefits of campus CHP systems to be considered at the building level under EAc1 if the minimum annual CHP efficiency is at least 60% based on the Lower Heating Value (LHV) of the input fuel (natural gas). The USGBC also requires a narrative addressing emissions and showing that the environmental impact of the system is lower than if building heating requirements were met with a natural gas boiler and cooling requirements with electric chillers using electricity provided from the local grid.

If these requirements were met, the proposed building addition design energy simulation model would utilize a “virtual” CHP system within the building with the same performance/efficiency characteristics as the district plant. All electricity and thermal output obtained from the district CHP plant is considered “free”, but fuel input is charged to the proposed design. The baseline building heating and cooling plant utilizes the backup energy source(s) of the proposed design. However, data provided by Monroe Community College and Siemens indicate an annual efficiency of about 57% so no credit was taken for the campus CHP system under EAc1.

Appendix A

Project Contact List

Project Contact List

Owner

Monroe County	Reinhard L. Gsellmeier, P.E., Associate Engineer
50 West Main Street, Suite 7100	(585) 753-7541
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NYSERDA Project Manager

NYSERDA	Charle-Pan A.R. Dawson
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Albany, NY 12203	

Appendix B

eQUEST/DOE-2.2 Output Reports for NYSERDA NCP Baseline Code-Compliant Building

Appendix C

Estimated Incremental Construction Costs and eQUEST/DOE-2.2 Output Reports for Proposed Design Building

INCREMENTAL CONSTRUCTION COST ESTIMATES

eQUEST/DOE-2.2 Output Reports

Appendix D

Regulated Energy Cost Savings Calculations for Entire Project and Each Individual Measure for NYSERDA NCP Analysis

Appendix E

Supporting Documentation for LEED® Energy and Atmosphere Credit 1

eQUEST/DOE-2.2 Output Reports for LEED Baseline Building

eQUEST/DOE-2.2 Output Reports for LEED Design Building

Appendix F

NYSERDA New Construction Program Worksheets

Appendix C
Energy data tables

Information in this document was provided by the following sources:

SAIC Energy and Atmosphere Credit 1 LEED Submittal Documentation

- MCC Input for LEED Design Model
- MCC Input for LEED Baseline Model
- MCC Output for LEED Design Model
- MCC Output for LEED Basline Model

Input for LEED Design Model

```
INPUT ..


$ ---------------------------------------------------------
$              Abort, Diagnostics
$ ---------------------------------------------------------




$ ---------------------------------------------------------
$              Global Parameters
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Title, Run Periods, Design Days, Holidays
$ ---------------------------------------------------------

TITLE
   LINE-1            = *Monroe Community College*
   LINE-2            = *School of Nursing*
   LINE-3            = *NYSERDA NCP7190*
   LINE-4            = *LEED Design Building Model*
   LINE-5            = *SAIC/Energy Systems Group*
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   BEGIN-DAY        = 1
   BEGIN-YEAR       = 2007
   END-MONTH        = 12
   END-DAY          = 31
   END-YEAR         = 2007
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$ ---------------------------------------------------------



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$              Site and Building Data
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   ..
"UFMat R100" = MATERIAL
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   RESISTANCE       = 100
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"MAT-FICT-1" = MATERIAL
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         "Steel Siding (AS01)", "Air Lay >4in Horiz (AL33)",
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$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Glass Types
$ ---------------------------------------------------------

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$ ---------------------------------------------------------
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$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Lamps / Luminaries / Lighting Systems
$ ---------------------------------------------------------




$ ---------------------------------------------------------
$              Day Schedules
$ ---------------------------------------------------------

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         1, 0 )
   ..
"OCC-MECH-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0 )
   ..
"OCC-STO-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1, 0, &D, &D,
         1, 0 )
   ..
"OCC-STO-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0 )
   ..
"LITE-OFC-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0, &D, &D, &D, &D, &D, 0.05, 0.5, 0.9, 1, &D, 0.9,
```

```
         0.9, 1, &D, &D, 0.7, 0.1, 0.05, &D, &D, &D, 0 )
   ..
"LITE-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0, &D, &D, &D, &D, &D, &D, &D, 0.1, &D, &D, &D, 0 )
   ..
"LITE-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0 )
   ..
"LITE-CLASS-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0, &D, &D, &D, &D, &D, &D, 0.3, 0.6, 1, &D, 0.7, 0.7,
         1, &D, 0.7, 0.5, 0.3, &D, &D, &D, 0.15, 0 )
   ..
"LITE-CLASS-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0, &D, &D, &D, &D, &D, &D, &D, 0.05, &D, &D, &D, 0 )
   ..
"LITE-CLASS-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0 )
   ..
"LITE-COR-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.02, &D, &D, &D, &D, 1, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.02 )
   ..
"LITE-COR-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.02, &D, &D, &D, &D, 1, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.02 )
   ..
"LITE-COR-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.02, &D, &D, &D, &D, 1, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.02 )
   ..
"LITE-MECH-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.02, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1, 0, &D,
         &D, 1, 0 )
   ..
"LITE-MECH-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.02 )
   ..
"LITE-STO-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.02, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1, 0, &D,
         &D, 1, 0 )
   ..
"LITE-STO-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.02 )
   ..
"EQP-OFC-WD-SCH" = DAY-SCHEDULE-PD
```

```
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, 0.5, 1, 1 )
   ..
"EQP-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, 1 )
   ..
"EQP-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, 1, &D, &D, &D, 0.05 )
   ..
"EQP-CLASS-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, 0.5, 1, 1 )
   ..
"EQP-CLASS-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, 1 )
   ..
"EQP-CLASS-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, 1, &D, &D, &D, 0.05 )
   ..
"EQP-COR-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, 0.05, 0.3, 0.5, 1, &D, &D, &D,
         &D, &D, 0.5, 0.3, &D, 0.1, &D, 0 )
   ..
"EQP-COR-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, 0.02, &D, &D, &D, 0 )
   ..
"EQP-COR-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05 )
   ..
"EQP-MECH-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1, 0, &D,
         &D, 1, 0 )
   ..
"EQP-MECH-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05 )
   ..
"EQP-STO-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1, 0, &D,
         &D, 1, 0 )
   ..
"EQP-STO-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05 )
   ..
"HTG-OFC-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
```

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        &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-CLASS-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-CLASS-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-CLASS-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-COR-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-COR-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-COR-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-MECH-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64 )
   ..
"HTG-MECH-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64 )
   ..
"HTG-STO-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64 )
   ..
"HTG-STO-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64 )
```

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   ..
"CLG-OFC-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-CLASS-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-CLASS-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-CLASS-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-COR-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-COR-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-COR-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-MECH-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82 )
   ..
"CLG-MECH-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82 )
   ..
"CLG-STO-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82 )
```

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   ..
"CLG-STO-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82 )
   ..
"FAN-ALL-ALL-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1 )
   ..
"INF-ALL-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1 )
   ..
"INF-ALL-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1 )
   ..
"INF-ALL-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1 )
   ..
"HTG_AVAIL-ALL-ALL-SCH" = DAY-SCHEDULE-PD
   TYPE             = ON/OFF
   VALUES           = ( 1 )
   ..
"CLG_AVAIL-ALL-ALL-SCH" = DAY-SCHEDULE-PD
   TYPE             = ON/OFF
   VALUES           = ( 1 )
   ..
"OAD-OFC-M_TH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.5, &D, &D, &D, &D, 0.1 )
   ..
"OAD-OFC-FRI-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.1, &D, &D, &D, &D, 0.1 )
   ..
"OAD-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.2, 0.7, 0.9, &D, &D, &D, &D,
         &D, 0.3, &D, &D, &D, 0.1, &D, &D, &D, &D, 0.1 )
   ..
"OAD-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1 )
   ..
"OAD-CLASS-M_TH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.8, &D, &D, &D, &D, 0.1 )
   ..
"OAD-CLASS-FRI-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.5, &D, &D, &D, &D, 0.1 )
```

```
   ..
"OAD-CLASS-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.2, 0.7, 0.9, &D, &D, &D, &D,
         &D, 0.3, &D, &D, &D, &D, &D, &D, &D, &D, 0.1 )
   ..
"OAD-CLASS-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, &D, &D, 0.2, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.1 )
   ..
"OAD-COR-M_TH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.8, &D, &D, &D, &D, 0.1 )
   ..
"OAD-COR-FRI-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.5, &D, &D, &D, &D, 0.1 )
   ..
"OAD-COR-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.2, 0.7, 0.9, &D, &D, &D, &D,
         &D, 0.3, &D, &D, &D, &D, &D, &D, &D, &D, 0.1 )
   ..
"OAD-COR-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, &D, &D, 0.2, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.1 )
   ..
"OAD-MECH-M_TH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.7, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.1 )
   ..
"OAD-MECH-FRI-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.7, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.1 )
   ..
"OAD-MECH-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1 )
   ..
"OAD-MECH-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1 )
   ..
"OAD-STO-M_TH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0 )
   ..
"OAD-STO-FRI-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0 )
   ..
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```
"OAD-STO-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0 )
   ..
"OAD-STO-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0 )
   ..
"LITE-OFC-WD-OCCSEN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0, &D, &D, &D, &D, &D, 0.05, 0.3, 0.6, 0.7, &D, 0.5,
         &D, 0.7, &D, &D, 0.4, 0.1, 0.05, 0 )
   ..
"LITE-CLASS-WD-OCCSEN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0, &D, &D, &D, &D, &D, &D, 0.3, 0.5, 0.9, &D, 0.5, &D,
         0.9, &D, 0.5, 0.2, 0.1, 0.05, 0 )
   ..
"FAN-WD-TYP" = DAY-SCHEDULE-PD
   TYPE             = ON/OFF
   VALUES           = ( 0, &D, &D, &D, &D, &D, 1, 1, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0 )
   ..
"FAN-SAT-TYP" = DAY-SCHEDULE-PD
   TYPE             = ON/OFF
   VALUES           = ( 0, &D, &D, &D, &D, &D, &D, 1, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0 )
   ..
"FAN-SUN-TYP" = DAY-SCHEDULE-PD
   TYPE             = ON/OFF
   VALUES           = ( 0, &D, &D, &D, &D, &D, &D, &D, &D, 1, &D, &D, &D, &D,
         &D, &D, &D, 0 )
   ..
"OA-ALL-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0, &D, &D, &D, &D, &D, 0.15, 0.25, 0.75, 1, &D, 0.75,
         &D, 1, &D, &D, 0.4, &D, 0.5, &D, &D, &D, 0 )
   ..
"OA-ALL-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0, &D, &D, &D, &D, &D, &D, &D, 0.05, &D, &D, &D, 0 )
   ..
"OA-ALL-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0 )
   ..
"DHW-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0, &D, &D, &D, &D, &D, &D, &D, 0.05, &D, &D, &D, &D,
         0 )
   ..
"DHW-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0 )
   ..
"DHW-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
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   VALUES           = ( 0, &D, &D, &D, &D, &D, &D, 0.15, 0.5, 1, 0.75, 0.5,
         0.5, 1, 0.75, 0.25, &D, 0.1, 0.4, &D, 0.15, 0.05, 0 )
   ..
"MINFLOW-OFC-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, 0.1, 0.2, 0.3, 0.4, &D, &D,
         0.3, 0.4, &D, &D, &D, &D, &D, 0.3, 0.2, 0.1, 0.3, 0.4 )
   ..
"MINFLOW-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, 0.1, 0.4, &D, &D, &D,
         &D, &D, &D, 0.1, 0.4 )
   ..
"MINFLOW-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4 )
   ..
"ELE-WD-FLAG" = DAY-SCHEDULE-PD
   TYPE             = FLAG
   VALUES           = ( 1.2, &D, &D, &D, &D, &D, &D, 1.1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1.2 )
   ..
"ELE-WE-FLAG" = DAY-SCHEDULE-PD
   TYPE             = FLAG
   VALUES           = ( 1.2 )
   ..
"HTG_AVAIL-NOT-ALL-SCH" = DAY-SCHEDULE-PD
   TYPE             = ON/OFF
   VALUES           = ( 0 )
   ..
"HTG_AVAIL-TEMP-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 65 )
   ..
"EXT-LITE-WINTER" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1, &D, &D, &D, &D, &D, &D, &D, 0, &D, &D, &D, &D, &D,
         &D, &D, &D, 1 )
   ..
"EXT-LITE-SWING" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1, &D, &D, &D, &D, &D, 0, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, 1 )
   ..
"EXT-LITE-SUMMER" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1, &D, &D, &D, &D, 0, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, 1 )
   ..
"HTG-OFC-WD-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 67, &D,
         70, &D, &D, &D, 67, &D, 70, &D, 64 )
   ..
"HTG-OFC-SAT-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 67, &D,
```

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        70, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-OFC-SUN-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-CLASS-WD-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 64, &D,
        70, &D, &D, &D, 64, &D, 70, &D, 64 )
   ..
"HTG-CLASS-SAT-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 64, &D,
        70, &D, &D, &D, 64, &D, 70, &D, 64 )
   ..
"HTG-CLASS-SUN-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"CLG-OFC-WD-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 78.5, &D,
        75, &D, &D, &D, 78.5, &D, 75, &D, 82 )
   ..
"CLG-OFC-SAT-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 78.5, &D,
        82, &D, &D, &D, 78.5, &D, 82, &D, 82 )
   ..
"CLG-OFC-SUN-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-CLASS-WD-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 82, &D,
        75, &D, &D, &D, 82, &D, 75, &D, 82 )
   ..
"CLG-CLASS-SAT-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 82, &D,
        75, &D, &D, &D, 82, &D, 75, &D, 82 )
   ..
"CLG-CLASS-SUN-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"HTG-OFC-WD-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
        0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
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"HTG-OFC-SAT-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"HTG-OFC-SUN-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"HTG-CLASS-WD-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"HTG-CLASS-SAT-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"HTG-CLASS-SUN-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"CLG-OFC-WD-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"CLG-OFC-SAT-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"CLG-OFC-SUN-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"CLG-CLASS-WD-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"CLG-CLASS-SAT-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"CLG-CLASS-SUN-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"HTG-OFC-WD-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
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   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
         67, &D, 70, &D, &D, &D, 67, &D, 64 )
   ..
"HTG-OFC-SAT-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
         67, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-OFC-SUN-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-CLASS-WD-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 64, &D,
         70, &D, &D, &D, 64, &D, 70, &D, 64 )
   ..
"HTG-CLASS-SAT-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 64, &D,
         70, &D, &D, &D, 64, &D, 70, &D, 64 )
   ..
"HTG-CLASS-SUN-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"CLG-OFC-WD-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         78.5, &D, &D, &D, &D, &D, 78.5, &D, 82 )
   ..
"CLG-OFC-SAT-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         78.5, &D, 75, &D, &D, &D, 78.5, &D, 82 )
   ..
"CLG-OFC-SUN-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-CLASS-WD-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 82, &D,
         75, &D, &D, &D, 82, &D, 75, &D, 82 )
   ..
"CLG-CLASS-SAT-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 82, &D,
         75, &D, &D, &D, 82, &D, 75, &D, 82 )
   ..
"CLG-CLASS-SUN-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
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   ..
"HTG-OFC-WD-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, &D, &D,
         0.2, &D, 0.4, &D, &D, &D, 0.2, &D, 0.4 )
   ..
"HTG-OFC-SAT-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, &D, &D,
         0.2, &D, 0.4, &D, &D, &D, 0.2, &D, 0.4 )
   ..
"HTG-OFC-SUN-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"HTG-CLASS-WD-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"HTG-CLASS-SAT-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"HTG-CLASS-SUN-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"CLG-OFC-WD-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, &D, &D,
         0.2, &D, 0.4, &D, &D, &D, 0.2, &D, 0.4 )
   ..
"CLG-OFC-SAT-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, &D, &D,
         0, &D, 0.4, &D, &D, &D, 0, &D, 0.4 )
   ..
"CLG-OFC-SUN-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.2 )
   ..
"CLG-CLASS-WD-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0, &D, 0.4, &D, 0.4 )
   ..
"CLG-CLASS-SAT-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0, &D, 0.4, &D, 0.4 )
   ..
"CLG-CLASS-SUN-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
```

```
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..

$ ---------------------------------------------------------
$             Week Schedules
$ ---------------------------------------------------------

"OCC-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-OFC-WD-SCH", &D, &D, &D, &D, "OCC-OFC-SAT-SCH",
         "OCC-OFC-SUN-SCH" )
   ..
"OCC-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-OFC-SUN-SCH" )
   ..
"OCC-CLASS-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-CLASS-WD-SCH", &D, &D, &D, &D,
         "OCC-CLASS-SAT-SCH", "OCC-CLASS-SUN-SCH" )
   ..
"OCC-CLASS-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-CLASS-SUN-SCH" )
   ..
"OCC-COR-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-COR-WD-SCH", &D, &D, &D, &D, "OCC-COR-SAT-SCH",
         "OCC-COR-SUN-SCH" )
   ..
"OCC-COR-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-COR-SUN-SCH" )
   ..
"OCC-MECH-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-MECH-WD-SCH", &D, &D, &D, &D, "OCC-MECH-WEH-SCH" )
   ..
"OCC-MECH-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-MECH-WEH-SCH" )
   ..
"OCC-STO-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-STO-WD-SCH", &D, &D, &D, &D, "OCC-STO-WEH-SCH" )
   ..
"OCC-STO-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-STO-WEH-SCH" )
   ..
"LITE-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-OFC-WD-SCH", &D, &D, &D, &D, "LITE-OFC-SAT-SCH",
         "LITE-OFC-SUN-SCH" )
   ..
"LITE-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
```

```
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-OFC-SUN-SCH" )
   ..
"LITE-CLASS-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-CLASS-WD-SCH", &D, &D, &D, &D,
         "LITE-CLASS-SAT-SCH", "LITE-CLASS-SUN-SCH" )
   ..
"LITE-CLASS-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-CLASS-SUN-SCH" )
   ..
"LITE-COR-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-COR-WD-SCH", &D, &D, &D, &D, "LITE-COR-SAT-SCH",
         "LITE-COR-SUN-SCH" )
   ..
"LITE-COR-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-COR-SUN-SCH" )
   ..
"LITE-MECH-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-MECH-WD-SCH", &D, &D, &D, &D,
         "LITE-MECH-WEH-SCH" )
   ..
"LITE-MECH-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-MECH-WEH-SCH" )
   ..
"LITE-STO-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-STO-WD-SCH", &D, &D, &D, &D, "LITE-STO-WEH-SCH" )
   ..
"LITE-STO-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-STO-WEH-SCH" )
   ..
"EQP-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-OFC-WD-SCH", &D, &D, &D, &D, "EQP-OFC-SAT-SCH",
         "EQP-OFC-SUN-SCH" )
   ..
"EQP-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-OFC-SUN-SCH" )
   ..
"EQP-CLASS-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-CLASS-WD-SCH", &D, &D, &D, &D,
         "EQP-CLASS-SAT-SCH", "EQP-CLASS-SUN-SCH" )
   ..
"EQP-CLASS-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-CLASS-SUN-SCH" )
   ..
"EQP-COR-TYP-WEEK" = WEEK-SCHEDULE-PD
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   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "EQP-COR-WD-SCH", &D, &D, &D, &D, "EQP-COR-SAT-SCH",
         "EQP-COR-SUN-SCH" )
   ..
"EQP-COR-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "EQP-COR-SUN-SCH" )
   ..
"EQP-MECH-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "EQP-MECH-WD-SCH", &D, &D, &D, &D, "EQP-MECH-WEH-SCH" )
   ..
"EQP-MECH-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "EQP-MECH-WEH-SCH" )
   ..
"EQP-STO-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "EQP-STO-WD-SCH", &D, &D, &D, &D, "EQP-STO-WEH-SCH" )
   ..
"EQP-STO-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "EQP-STO-WEH-SCH" )
   ..
"HTG-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-OFC-WD-SCH", &D, &D, &D, &D, "HTG-OFC-SAT-SCH",
         "HTG-OFC-SUN-SCH" )
   ..
"HTG-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-OFC-SUN-SCH" )
   ..
"HTG-CLASS-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-CLASS-WD-SCH", &D, &D, &D, &D,
         "HTG-CLASS-SAT-SCH", "HTG-CLASS-SUN-SCH" )
   ..
"HTG-CLASS-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-CLASS-SUN-SCH" )
   ..
"HTG-COR-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-COR-WD-SCH", &D, &D, &D, &D, "HTG-COR-SAT-SCH",
         "HTG-COR-SUN-SCH" )
   ..
"HTG-COR-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-COR-SUN-SCH" )
   ..
"HTG-MECH-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-MECH-WD-SCH", &D, &D, &D, &D, "HTG-MECH-WEH-SCH" )
   ..
"HTG-MECH-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
```

```
   DAY-SCHEDULES    = ( "HTG-MECH-WEH-SCH" )
   ..
"HTG-STO-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-STO-WD-SCH", &D, &D, &D, &D, "HTG-STO-WEH-SCH" )
   ..
"HTG-STO-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-STO-WEH-SCH" )
   ..
"CLG-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-OFC-WD-SCH", &D, &D, &D, &D, "CLG-OFC-SAT-SCH",
         "CLG-OFC-SUN-SCH" )
   ..
"CLG-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-OFC-SUN-SCH" )
   ..
"CLG-CLASS-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-CLASS-WD-SCH", &D, &D, &D, &D,
         "CLG-CLASS-SAT-SCH", "CLG-CLASS-SUN-SCH" )
   ..
"CLG-CLASS-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-CLASS-SUN-SCH" )
   ..
"CLG-COR-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-COR-WD-SCH", &D, &D, &D, &D, "CLG-COR-SAT-SCH",
         "CLG-COR-SUN-SCH" )
   ..
"CLG-COR-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-COR-SUN-SCH" )
   ..
"CLG-MECH-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-MECH-WD-SCH", &D, &D, &D, &D, "CLG-MECH-WEH-SCH" )
   ..
"CLG-MECH-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-MECH-WEH-SCH" )
   ..
"CLG-STO-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-STO-WD-SCH", &D, &D, &D, &D, "CLG-STO-WEH-SCH" )
   ..
"CLG-STO-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-STO-WEH-SCH" )
   ..
"FAN-ALL-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "FAN-ALL-ALL-SCH" )
   ..
```

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"INF-ALL-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "INF-ALL-WD-SCH", &D, &D, &D, "INF-ALL-SAT-SCH",
         "INF-ALL-SUN-SCH" )
   ..
"HTG_AVAIL-ALL-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = ON/OFF
   DAY-SCHEDULES    = ( "HTG_AVAIL-ALL-ALL-SCH" )
   ..
"CLG_AVAIL-ALL-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = ON/OFF
   DAY-SCHEDULES    = ( "CLG_AVAIL-ALL-ALL-SCH" )
   ..
"OAD-OFC-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OAD-OFC-M_TH-SCH", &D, &D, &D, "OAD-OFC-FRI-SCH",
         "OAD-OFC-SAT-SCH", "OAD-OFC-SUN-SCH" )
   ..
"OAD-CLASS-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OAD-CLASS-M_TH-SCH", &D, &D, &D, "OAD-CLASS-FRI-SCH",
         "OAD-CLASS-SAT-SCH", "OAD-CLASS-SUN-SCH" )
   ..
"OAD-COR-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OAD-COR-M_TH-SCH", &D, &D, &D, "OAD-COR-FRI-SCH",
         "OAD-COR-SAT-SCH", "OAD-COR-SUN-SCH" )
   ..
"OAD-MECH-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OAD-MECH-M_TH-SCH", &D, &D, &D, "OAD-MECH-FRI-SCH",
         "OAD-MECH-SAT-SCH", "OAD-MECH-SUN-SCH" )
   ..
"OAD-STO-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OAD-STO-M_TH-SCH", &D, &D, &D, "OAD-STO-FRI-SCH",
         "OAD-STO-SAT-SCH", "OAD-STO-SUN-SCH" )
   ..
"LITE-OFC-TYP-OCCSEN-WK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-OFC-WD-OCCSEN-SCH", &D, &D, &D, &D,
         "LITE-OFC-SAT-SCH", "LITE-OFC-SUN-SCH" )
   ..
"LITE-CLASS-TYP-OCCSEN-WK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-CLASS-WD-OCCSEN-SCH", &D, &D, &D, &D,
         "LITE-CLASS-SAT-SCH", "LITE-CLASS-SUN-SCH" )
   ..
"FAN-WK-TYP" = WEEK-SCHEDULE-PD
   TYPE             = ON/OFF
   DAY-SCHEDULES    = ( "FAN-WD-TYP", &D, &D, &D, &D, "FAN-SAT-TYP",
         "FAN-SUN-TYP" )
   ..
"OA-ALL-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OA-ALL-WD-SCH", &D, &D, &D, &D, "OA-ALL-SAT-SCH",
         "OA-ALL-SUN-SCH" )
```

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   ..
"OA-ALL-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OA-ALL-SUN-SCH", &D, &D, &D, &D, "OA-ALL-SUN-SCH",
         "OA-ALL-SUN-SCH" )
   ..
"DHW-WK-SCH" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "DHW-WD-SCH", &D, &D, &D, &D, "DHW-SAT-SCH",
         "DHW-SUN-SCH" )
   ..
"MINFLOW-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "MINFLOW-OFC-WD-SCH", &D, &D, &D, &D,
         "MINFLOW-OFC-SAT-SCH" )
   ..
"MINFLOW-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "MINFLOW-OFC-SUN-SCH", &D, &D, &D, &D,
         "MINFLOW-OFC-SUN-SCH" )
   ..
"ELE-WK-FLAG" = WEEK-SCHEDULE-PD
   TYPE             = FLAG
   DAY-SCHEDULES    = ( "ELE-WD-FLAG", &D, &D, &D, &D, "ELE-WE-FLAG" )
   ..
"HTG-AVAIL-NOT-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = ON/OFF
   DAY-SCHEDULES    = ( "HTG_AVAIL-NOT-ALL-SCH" )
   ..
"HTG_AVAIL-TEMP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG_AVAIL-TEMP-SCH", &D, &D, &D, &D,
         "HTG_AVAIL-TEMP-SCH" )
   ..
"EXT-LITE-WIN-WK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EXT-LITE-WINTER", &D, &D, &D, &D, "EXT-LITE-WINTER" )
   ..
"EXT-LITE-SWING-WK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EXT-LITE-SWING", &D, &D, &D, &D, "EXT-LITE-SWING" )
   ..
"EXT-LITE-SUM-WK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EXT-LITE-SUMMER", &D, &D, &D, &D, "EXT-LITE-SUMMER" )
   ..
"HTG-OFC-TYP-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-OFC-WD-SCH-VAVOCC", &D, &D, &D, &D,
         "HTG-OFC-SAT-SCH-VAVOCC", "HTG-OFC-SUN-SCH-VAVOCC" )
   ..
"HTG-OFC-VAC-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-OFC-SUN-SCH-VAVOCC" )
   ..
"HTG-CLASS-TYP-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
```

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   DAY-SCHEDULES    = ( "HTG-CLASS-WD-SCH-VAVOCC", &D, &D, &D, &D,
         "HTG-CLASS-SAT-SCH-VAVOCC", "HTG-CLASS-SUN-SCH-VAVOCC" )
   ..
"HTG-CLASS-VAC-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-CLASS-SUN-SCH-VAVOCC" )
   ..
"CLG-OFC-TYP-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-OFC-WD-SCH-VAVOCC", &D, &D, &D, &D,
         "CLG-OFC-SAT-SCH-VAVOCC", "CLG-OFC-SUN-SCH-VAVOCC" )
   ..
"CLG-OFC-VAC-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-OFC-SUN-SCH-VAVOCC" )
   ..
"CLG-CLASS-TYP-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-CLASS-WD-SCH-VAVOCC", &D, &D, &D, &D,
         "CLG-CLASS-SAT-SCH-VAVOCC", "CLG-CLASS-SUN-SCH-VAVOCC" )
   ..
"CLG-CLASS-VAC-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-CLASS-SUN-SCH-VAVOCC" )
   ..
"HTG-OFC-TYP-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "HTG-OFC-WD-SCH-VAVMIN", &D, &D, &D, &D,
         "HTG-OFC-SAT-SCH-VAVMIN", "HTG-OFC-SUN-SCH-VAVMIN" )
   ..
"HTG-OFC-VAC-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "HTG-OFC-SUN-SCH-VAVMIN" )
   ..
"HTG-CLASS-TYP-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "HTG-CLASS-WD-SCH-VAVMIN", &D, &D, &D, &D,
         "HTG-CLASS-SAT-SCH-VAVMIN", "HTG-CLASS-SUN-SCH-VAVMIN" )
   ..
"HTG-CLASS-VAC-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "HTG-CLASS-SUN-SCH-VAVMIN" )
   ..
"CLG-OFC-TYP-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-OFC-WD-SCH-VAVMIN", &D, &D, &D, &D,
         "CLG-OFC-SAT-SCH-VAVMIN", "CLG-OFC-SUN-SCH-VAVMIN" )
   ..
"CLG-OFC-VAC-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-OFC-SUN-SCH-VAVMIN" )
   ..
"CLG-CLASS-TYP-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-CLASS-WD-SCH-VAVMIN", &D, &D, &D, &D,
         "CLG-CLASS-SAT-SCH-VAVMIN", "CLG-CLASS-SUN-SCH-VAVMIN" )
   ..
```

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"CLG-CLASS-VAC-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "CLG-CLASS-SUN-SCH-VAVMIN" )
   ..
"HTG-OFC-TYP-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-OFC-WD-SCH-VAVOCC2", &D, &D, &D, &D,
         "HTG-OFC-SAT-SCH-VAVOCC2", "HTG-OFC-SUN-SCH-VAVOCC2" )
   ..
"HTG-OFC-VAC-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-OFC-SUN-SCH-VAVOCC2" )
   ..
"HTG-CLASS-TYP-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-CLASS-WD-SCH-VAVOCC2", &D, &D, &D, &D,
         "HTG-CLASS-SAT-SCH-VAVOCC2", "HTG-CLASS-SUN-SCH-VAVOCC2" )
   ..
"HTG-CLASS-VAC-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-CLASS-SUN-SCH-VAVOCC2" )
   ..
"CLG-OFC-TYP-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "CLG-OFC-WD-SCH-VAVOCC2", &D, &D, &D, &D,
         "CLG-OFC-SAT-SCH-VAVOCC2", "CLG-OFC-SUN-SCH-VAVOCC2" )
   ..
"CLG-OFC-VAC-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "CLG-OFC-SUN-SCH-VAVOCC2" )
   ..
"CLG-CLASS-TYP-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "CLG-CLASS-WD-SCH-VAVOCC2", &D, &D, &D, &D,
         "CLG-CLASS-SAT-SCH-VAVOCC2", "CLG-CLASS-SUN-SCH-VAVOCC2" )
   ..
"CLG-CLASS-VAC-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "CLG-CLASS-SUN-SCH-VAVOCC2" )
   ..
"HTG-OFC-TYP-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "HTG-OFC-WD-SCH-VAVMIN2", &D, &D, &D, &D,
         "HTG-OFC-SAT-SCH-VAVMIN2", "HTG-OFC-SUN-SCH-VAVMIN2" )
   ..
"HTG-OFC-VAC-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "HTG-OFC-SUN-SCH-VAVMIN2" )
   ..
"HTG-CLASS-TYP-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "HTG-CLASS-WD-SCH-VAVMIN2", &D, &D, &D, &D,
         "HTG-CLASS-SAT-SCH-VAVMIN2", "HTG-CLASS-SUN-SCH-VAVMIN2" )
   ..
"HTG-CLASS-VAC-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "HTG-CLASS-SUN-SCH-VAVMIN2" )
```

```
   ..
"CLG-OFC-TYP-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-OFC-WD-SCH-VAVMIN2", &D, &D, &D, &D,
         "CLG-OFC-SAT-SCH-VAVMIN2", "CLG-OFC-SUN-SCH-VAVMIN2" )
   ..
"CLG-OFC-VAC-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-OFC-SUN-SCH-VAVMIN2" )
   ..
"CLG-CLASS-TYP-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-CLASS-WD-SCH-VAVMIN2", &D, &D, &D, &D,
         "CLG-CLASS-SAT-SCH-VAVMIN2", "CLG-CLASS-SUN-SCH-VAVMIN2" )
   ..
"CLG-CLASS-VAC-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-CLASS-SUN-SCH-VAVMIN2" )
   ..

$ ---------------------------------------------------------
$              Annual Schedules
$ ---------------------------------------------------------

"OCC-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 21, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK",
         "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK",
         "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK",
         "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK",
         "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK" )
   ..
"OCC-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "OCC-CLASS-VAC-WEEK", "OCC-CLASS-TYP-WEEK",
         "OCC-CLASS-VAC-WEEK", "OCC-CLASS-TYP-WEEK", "OCC-CLASS-VAC-WEEK",
         "OCC-CLASS-TYP-WEEK", "OCC-CLASS-VAC-WEEK", "OCC-CLASS-TYP-WEEK",
         "OCC-CLASS-VAC-WEEK", "OCC-CLASS-TYP-WEEK", "OCC-CLASS-VAC-WEEK",
         "OCC-CLASS-TYP-WEEK", "OCC-CLASS-VAC-WEEK" )
   ..
"OCC-COR-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "OCC-COR-VAC-WEEK", "OCC-COR-TYP-WEEK",
         "OCC-COR-VAC-WEEK", "OCC-COR-TYP-WEEK", "OCC-COR-VAC-WEEK",
         "OCC-COR-TYP-WEEK", "OCC-COR-VAC-WEEK", "OCC-COR-TYP-WEEK",
         "OCC-COR-VAC-WEEK", "OCC-COR-TYP-WEEK", "OCC-COR-VAC-WEEK",
         "OCC-COR-TYP-WEEK", "OCC-COR-VAC-WEEK" )
   ..
"OCC-MECH-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
```

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   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES    = ( "OCC-MECH-VAC-WEEK", "OCC-MECH-TYP-WEEK",
         "OCC-MECH-VAC-WEEK", "OCC-MECH-TYP-WEEK", "OCC-MECH-VAC-WEEK",
         "OCC-MECH-TYP-WEEK", "OCC-MECH-VAC-WEEK", "OCC-MECH-TYP-WEEK",
         "OCC-MECH-VAC-WEEK", "OCC-MECH-TYP-WEEK", "OCC-MECH-VAC-WEEK",
         "OCC-MECH-TYP-WEEK", "OCC-MECH-VAC-WEEK" )
   ..
"OCC-STO-ANNUAL" = SCHEDULE-PD
   TYPE              = FRACTION
   MONTH             = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES    = ( "OCC-STO-VAC-WEEK", "OCC-STO-TYP-WEEK",
         "OCC-STO-VAC-WEEK", "OCC-STO-TYP-WEEK", "OCC-STO-VAC-WEEK",
         "OCC-STO-TYP-WEEK", "OCC-STO-VAC-WEEK", "OCC-STO-TYP-WEEK",
         "OCC-STO-VAC-WEEK", "OCC-STO-TYP-WEEK", "OCC-STO-VAC-WEEK",
         "OCC-STO-TYP-WEEK", "OCC-STO-VAC-WEEK" )
   ..
"LITE-OFC-ANNUAL" = SCHEDULE-PD
   TYPE              = FRACTION
   MONTH             = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES    = ( "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK",
         "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK",
         "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK",
         "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK",
         "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK" )
   ..
"LITE-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE              = FRACTION
   MONTH             = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES    = ( "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK",
         "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK",
         "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK",
         "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK",
         "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK", "LITE-CLASS-VAC-WEEK" )
   ..
"LITE-COR-ANNUAL" = SCHEDULE-PD
   TYPE              = FRACTION
   MONTH             = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES    = ( "LITE-COR-VAC-WEEK", "LITE-COR-TYP-WEEK",
         "LITE-COR-VAC-WEEK", "LITE-COR-TYP-WEEK", "LITE-COR-VAC-WEEK",
         "LITE-COR-TYP-WEEK", "LITE-COR-VAC-WEEK", "LITE-COR-TYP-WEEK",
         "LITE-COR-VAC-WEEK", "LITE-COR-TYP-WEEK", "LITE-COR-VAC-WEEK",
         "LITE-COR-TYP-WEEK", "LITE-COR-VAC-WEEK" )
   ..
"LITE-MECH-ANNUAL" = SCHEDULE-PD
   TYPE              = FRACTION
   MONTH             = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES    = ( "LITE-MECH-VAC-WEEK", "LITE-MECH-TYP-WEEK",
         "LITE-MECH-VAC-WEEK", "LITE-MECH-TYP-WEEK", "LITE-MECH-VAC-WEEK",
         "LITE-MECH-TYP-WEEK", "LITE-MECH-VAC-WEEK", "LITE-MECH-TYP-WEEK",
         "LITE-MECH-VAC-WEEK", "LITE-MECH-TYP-WEEK", "LITE-MECH-VAC-WEEK",
         "LITE-MECH-TYP-WEEK", "LITE-MECH-VAC-WEEK" )
   ..
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"LITE-STO-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "LITE-STO-VAC-WEEK", "LITE-STO-TYP-WEEK",
         "LITE-STO-VAC-WEEK", "LITE-STO-TYP-WEEK", "LITE-STO-VAC-WEEK",
         "LITE-STO-TYP-WEEK", "LITE-STO-VAC-WEEK", "LITE-STO-TYP-WEEK",
         "LITE-STO-VAC-WEEK", "LITE-STO-TYP-WEEK", "LITE-STO-VAC-WEEK",
         "LITE-STO-TYP-WEEK", "LITE-STO-VAC-WEEK" )
   ..
"EQP-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "EQP-OFC-VAC-WEEK", "EQP-OFC-TYP-WEEK",
         "EQP-OFC-VAC-WEEK", "EQP-OFC-TYP-WEEK", "EQP-OFC-VAC-WEEK",
         "EQP-OFC-TYP-WEEK", "EQP-OFC-VAC-WEEK", "EQP-OFC-TYP-WEEK",
         "EQP-OFC-VAC-WEEK", "EQP-OFC-TYP-WEEK", "EQP-OFC-VAC-WEEK",
         "EQP-OFC-TYP-WEEK", "EQP-OFC-VAC-WEEK" )
   ..
"EQP-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "EQP-CLASS-VAC-WEEK", "EQP-CLASS-TYP-WEEK",
         "EQP-CLASS-VAC-WEEK", "EQP-CLASS-TYP-WEEK", "EQP-CLASS-VAC-WEEK",
         "EQP-CLASS-TYP-WEEK", "EQP-CLASS-VAC-WEEK", "EQP-CLASS-TYP-WEEK",
         "EQP-CLASS-VAC-WEEK", "EQP-CLASS-TYP-WEEK", "EQP-CLASS-VAC-WEEK",
         "EQP-CLASS-TYP-WEEK", "EQP-CLASS-VAC-WEEK" )
   ..
"EQP-COR-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "EQP-COR-VAC-WEEK", "EQP-COR-TYP-WEEK",
         "EQP-COR-VAC-WEEK", "EQP-COR-TYP-WEEK", "EQP-COR-VAC-WEEK",
         "EQP-COR-TYP-WEEK", "EQP-COR-VAC-WEEK", "EQP-COR-TYP-WEEK",
         "EQP-COR-VAC-WEEK", "EQP-COR-TYP-WEEK", "EQP-COR-VAC-WEEK",
         "EQP-COR-TYP-WEEK", "EQP-COR-VAC-WEEK" )
   ..
"EQP-MECH-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "EQP-MECH-VAC-WEEK", "EQP-MECH-TYP-WEEK",
         "EQP-MECH-VAC-WEEK", "EQP-MECH-TYP-WEEK", "EQP-MECH-VAC-WEEK",
         "EQP-MECH-TYP-WEEK", "EQP-MECH-VAC-WEEK", "EQP-MECH-TYP-WEEK",
         "EQP-MECH-VAC-WEEK", "EQP-MECH-TYP-WEEK", "EQP-MECH-VAC-WEEK",
         "EQP-MECH-TYP-WEEK", "EQP-MECH-VAC-WEEK" )
   ..
"EQP-STO-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "EQP-STO-VAC-WEEK", "EQP-STO-TYP-WEEK",
         "EQP-STO-VAC-WEEK", "EQP-STO-TYP-WEEK", "EQP-STO-VAC-WEEK",
         "EQP-STO-TYP-WEEK", "EQP-STO-VAC-WEEK", "EQP-STO-TYP-WEEK",
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      "EQP-STO-VAC-WEEK", "EQP-STO-TYP-WEEK", "EQP-STO-VAC-WEEK",
      "EQP-STO-TYP-WEEK", "EQP-STO-VAC-WEEK" )
   ..
"HTG-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-OFC-VAC-WEEK", "HTG-OFC-TYP-WEEK",
      "HTG-OFC-VAC-WEEK", "HTG-OFC-TYP-WEEK", "HTG-OFC-VAC-WEEK",
      "HTG-OFC-TYP-WEEK", "HTG-OFC-VAC-WEEK", "HTG-OFC-TYP-WEEK",
      "HTG-OFC-VAC-WEEK", "HTG-OFC-TYP-WEEK", "HTG-OFC-VAC-WEEK",
      "HTG-OFC-TYP-WEEK", "HTG-OFC-VAC-WEEK" )
   ..
"HTG-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-CLASS-VAC-WEEK", "HTG-CLASS-TYP-WEEK",
      "HTG-CLASS-VAC-WEEK", "HTG-CLASS-TYP-WEEK", "HTG-CLASS-VAC-WEEK",
      "HTG-CLASS-TYP-WEEK", "HTG-CLASS-VAC-WEEK", "HTG-CLASS-TYP-WEEK",
      "HTG-CLASS-VAC-WEEK", "HTG-CLASS-TYP-WEEK", "HTG-CLASS-VAC-WEEK",
      "HTG-CLASS-TYP-WEEK", "HTG-CLASS-VAC-WEEK" )
   ..
"HTG-COR-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-COR-VAC-WEEK", "HTG-COR-TYP-WEEK",
      "HTG-COR-VAC-WEEK", "HTG-COR-TYP-WEEK", "HTG-COR-VAC-WEEK",
      "HTG-COR-TYP-WEEK", "HTG-COR-VAC-WEEK", "HTG-COR-TYP-WEEK",
      "HTG-COR-VAC-WEEK", "HTG-COR-TYP-WEEK", "HTG-COR-VAC-WEEK",
      "HTG-COR-TYP-WEEK", "HTG-COR-VAC-WEEK" )
   ..
"HTG-MECH-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-MECH-VAC-WEEK", "HTG-MECH-TYP-WEEK",
      "HTG-MECH-VAC-WEEK", "HTG-MECH-TYP-WEEK", "HTG-MECH-VAC-WEEK",
      "HTG-MECH-TYP-WEEK", "HTG-MECH-VAC-WEEK", "HTG-MECH-TYP-WEEK",
      "HTG-MECH-VAC-WEEK", "HTG-MECH-TYP-WEEK", "HTG-MECH-VAC-WEEK",
      "HTG-MECH-TYP-WEEK", "HTG-MECH-VAC-WEEK" )
   ..
"HTG-STO-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-STO-VAC-WEEK", "HTG-STO-TYP-WEEK",
      "HTG-STO-VAC-WEEK", "HTG-STO-TYP-WEEK", "HTG-STO-VAC-WEEK",
      "HTG-STO-TYP-WEEK", "HTG-STO-VAC-WEEK", "HTG-STO-TYP-WEEK",
      "HTG-STO-VAC-WEEK", "HTG-STO-TYP-WEEK", "HTG-STO-VAC-WEEK",
      "HTG-STO-TYP-WEEK", "HTG-STO-VAC-WEEK" )
   ..
"CLG-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
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   WEEK-SCHEDULES   = ( "CLG-OFC-VAC-WEEK", "CLG-OFC-TYP-WEEK",
         "CLG-OFC-VAC-WEEK", "CLG-OFC-TYP-WEEK", "CLG-OFC-VAC-WEEK",
         "CLG-OFC-TYP-WEEK", "CLG-OFC-VAC-WEEK", "CLG-OFC-TYP-WEEK",
         "CLG-OFC-VAC-WEEK", "CLG-OFC-TYP-WEEK", "CLG-OFC-VAC-WEEK",
         "CLG-OFC-TYP-WEEK", "CLG-OFC-VAC-WEEK" )
   ..
"CLG-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-CLASS-VAC-WEEK", "CLG-CLASS-TYP-WEEK",
         "CLG-CLASS-VAC-WEEK", "CLG-CLASS-TYP-WEEK", "CLG-CLASS-VAC-WEEK",
         "CLG-CLASS-TYP-WEEK", "CLG-CLASS-VAC-WEEK", "CLG-CLASS-TYP-WEEK",
         "CLG-CLASS-VAC-WEEK", "CLG-CLASS-TYP-WEEK", "CLG-CLASS-VAC-WEEK",
         "CLG-CLASS-TYP-WEEK", "CLG-CLASS-VAC-WEEK" )
   ..
"CLG-COR-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-COR-VAC-WEEK", "CLG-COR-TYP-WEEK",
         "CLG-COR-VAC-WEEK", "CLG-COR-TYP-WEEK", "CLG-COR-VAC-WEEK",
         "CLG-COR-TYP-WEEK", "CLG-COR-VAC-WEEK", "CLG-COR-TYP-WEEK",
         "CLG-COR-VAC-WEEK", "CLG-COR-TYP-WEEK", "CLG-COR-VAC-WEEK",
         "CLG-COR-TYP-WEEK", "CLG-COR-VAC-WEEK" )
   ..
"CLG-MECH-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-MECH-VAC-WEEK", "CLG-MECH-TYP-WEEK",
         "CLG-MECH-VAC-WEEK", "CLG-MECH-TYP-WEEK", "CLG-MECH-VAC-WEEK",
         "CLG-MECH-TYP-WEEK", "CLG-MECH-VAC-WEEK", "CLG-MECH-TYP-WEEK",
         "CLG-MECH-VAC-WEEK", "CLG-MECH-TYP-WEEK", "CLG-MECH-VAC-WEEK",
         "CLG-MECH-TYP-WEEK", "CLG-MECH-VAC-WEEK" )
   ..
"CLG-STO-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-STO-VAC-WEEK", "CLG-STO-TYP-WEEK",
         "CLG-STO-VAC-WEEK", "CLG-STO-TYP-WEEK", "CLG-STO-VAC-WEEK",
         "CLG-STO-TYP-WEEK", "CLG-STO-VAC-WEEK", "CLG-STO-TYP-WEEK",
         "CLG-STO-VAC-WEEK", "CLG-STO-TYP-WEEK", "CLG-STO-VAC-WEEK",
         "CLG-STO-TYP-WEEK", "CLG-STO-VAC-WEEK" )
   ..
"FAN-ALL-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "FAN-ALL-ALL-WEEK" )
   ..
"INF-ALL-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "INF-ALL-ALL-WEEK" )
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   ..
"HTG_AVAIL-ALL-ANNUAL" = SCHEDULE-PD
   TYPE             = ON/OFF
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "HTG_AVAIL-ALL-ALL-WEEK" )
   ..
"CLG_AVAIL-ALL-ANNUAL" = SCHEDULE-PD
   TYPE             = ON/OFF
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "CLG_AVAIL-ALL-ALL-WEEK" )
   ..
"OAD-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "OAD-OFC-ALL-WEEK" )
   ..
"OAD-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "OAD-CLASS-ALL-WEEK" )
   ..
"OAD-COR-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "OAD-COR-ALL-WEEK" )
   ..
"OAD-MECH-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "OAD-MECH-ALL-WEEK" )
   ..
"OAD-STO-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "OAD-STO-ALL-WEEK" )
   ..
"LITE-OFC-OCCSEN-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-OCCSEN-WK",
         "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK",
         "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK",
         "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK",
         "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK" )
   ..
"LITE-CLASS-OCCSEN-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
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   WEEK-SCHEDULES   = ( "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-OCCSEN-WK",
         "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK",
         "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK",
         "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK",
         "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK" )
   ..
"FAN-SCH-ANNUAL" = SCHEDULE-PD
   TYPE             = ON/OFF
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "FAN-WK-TYP" )
   ..
"OA-ALL-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "OA-ALL-VAC-WEEK", "OA-ALL-TYP-WEEK",
         "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK",
         "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK",
         "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK",
         "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK" )
   ..
"DHW-SCH" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "DHW-WK-SCH" )
   ..
"MINFLOW-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 21, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK" )
   ..
"ELE-SCH-FLAG" = SCHEDULE-PD
   TYPE             = FLAG
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "ELE-WK-FLAG" )
   ..
"HTG_AVAIL-NOT-ALL-ANNUAL" = SCHEDULE-PD
   TYPE             = ON/OFF
   MONTH            = ( 6, 9, 12 )
   DAY              = ( 15, 15, 31 )
   WEEK-SCHEDULES   = ( "HTG_AVAIL-ALL-ALL-WEEK", "HTG-AVAIL-NOT-ALL-WEEK",
         "HTG_AVAIL-ALL-ALL-WEEK" )
   ..
"HTG_AVAIL-TEMP-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 12 )
   DAY              = ( 31 )
```

```
   WEEK-SCHEDULES   = ( "HTG_AVAIL-TEMP-WEEK" )
   ..
"EXT-LIGHTS-SCH" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 2, 5, 8, 10, 12 )
   DAY              = ( 28, 31, 31, 31, 31 )
   WEEK-SCHEDULES   = ( "EXT-LITE-WIN-WK", "EXT-LITE-SWING-WK",
         "EXT-LITE-SUM-WK", "EXT-LITE-SWING-WK", "EXT-LITE-WIN-WK" )
   ..
"HTG-OFC-ANNUAL-VAVOCC" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC" )
   ..
"HTG-CLASS-ANNUAL-VAVOCC" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC" )
   ..
"CLG-OFC-ANNUAL-VAVOCC" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC" )
   ..
"CLG-CLASS-ANNUAL-VAVOCC" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC" )
   ..
```

```
"HTG-OFC-ANNUAL-VAVMIN" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN" )
   ..
"HTG-CLASS-ANNUAL-VAVMIN" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN" )
   ..
"CLG-OFC-ANNUAL-VAVMIN" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN" )
   ..
"CLG-CLASS-ANNUAL-VAVMIN" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN" )
   ..
"HTG-OFC-ANNUAL-VAVOCC2" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-OFC-VAC-WEEK-VAVOCC2",
         "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2",
         "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2",
         "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2",
         "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2",
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        "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2",
        "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2" )
   ..
"HTG-CLASS-ANNUAL-VAVOCC2" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-CLASS-VAC-WEEK-VAVOCC2",
        "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2",
        "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2",
        "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2",
        "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2",
        "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2",
        "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2" )
   ..
"CLG-OFC-ANNUAL-VAVOCC2" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-OFC-VAC-WEEK-VAVOCC2",
        "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2",
        "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2",
        "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2",
        "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2",
        "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2",
        "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2" )
   ..
"CLG-CLASS-ANNUAL-VAVOCC2" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-CLASS-VAC-WEEK-VAVOCC2",
        "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2",
        "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2",
        "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2",
        "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2",
        "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2",
        "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2" )
   ..
"HTG-OFC-ANNUAL-VAVMIN2" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-OFC-VAC-WEEK-VAVMIN2",
        "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2",
        "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2",
        "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2",
        "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2",
        "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2",
        "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2" )
   ..
"HTG-CLASS-ANNUAL-VAVMIN2" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-CLASS-VAC-WEEK-VAVMIN2",
        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2",
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        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2",
        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2",
        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2",
        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2",
        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2" )
   ..
"CLG-OFC-ANNUAL-VAVMIN2" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2" )
   ..
"CLG-CLASS-ANNUAL-VAVMIN2" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2" )
   ..


$ ---------------------------------------------------------
$             Polygons
$ ---------------------------------------------------------

"Floor-1-XY" = POLYGON
   V1               = ( 0, 0 )
   V2               = ( 13, 0 )
   V3               = ( 13, -4 )
   V4               = ( 33, -4 )
   V5               = ( 33, 0 )
   V6               = ( 116, 0 )
   V7               = ( 116, 99 )
   V8               = ( 102, 99 )
   V9               = ( 102, 105 )
   V10              = ( 12, 105 )
   V11              = ( 12, 35 )
   V12              = ( 0, 35 )
   ..
"Z01-191-COR-XY" = POLYGON
   V1               = ( 0, 0 )
   V2               = ( 13, 0 )
   V3               = ( 13, -4 )
   V4               = ( 17, -4 )
   V5               = ( 29, -4 )
   V6               = ( 33, -4 )
```

```
    V7                = ( 33, 22 )
    V8                = ( 22, 22 )
    V9                = ( 22, 105 )
    V10               = ( 20, 105 )
    V11               = ( 15, 105 )
    V12               = ( 12, 105 )
    V13               = ( 12, 50 )
    V14               = ( 12, 47 )
    V15               = ( 12, 45 )
    V16               = ( 12, 42 )
    V17               = ( 12, 40 )
    V18               = ( 12, 37 )
    V19               = ( 12, 35 )
    V20               = ( 0, 35 )
    V21               = ( 0, 25 )
    V22               = ( 0, 22 )
    ..
 "Z02-195-RR-XY" = POLYGON
    V1                = ( 22, 92 )
    V2                = ( 47, 92 )
    V3                = ( 47, 105 )
    V4                = ( 22, 105 )
    ..
 "Z03-199-STO-XY" = POLYGON
    V1                = ( 54, 92 )
    V2                = ( 91, 92 )
    V3                = ( 91, 105 )
    V4                = ( 54, 105 )
    ..
 "Z04-191-COR-XY" = POLYGON
    V1                = ( 33, 14 )
    V2                = ( 102, 14 )
    V3                = ( 102, 91 )
    V4                = ( 116, 91 )
    V5                = ( 116, 99 )
    V6                = ( 102, 99 )
    V7                = ( 102, 105 )
    V8                = ( 91, 105 )
    V9                = ( 91, 92 )
    V10               = ( 22, 92 )
    V11               = ( 22, 84 )
    V12               = ( 94, 84 )
    V13               = ( 94, 22 )
    V14               = ( 33, 22 )
    ..
 "Z05-10A-CLA-XY" = POLYGON
    V1                = ( 22, 53 )
    V2                = ( 53, 53 )
    V3                = ( 53, 84 )
    V4                = ( 22, 84 )
    ..
 "Z06-10B-CLA-XY" = POLYGON
    V1                = ( 22, 22 )
    V2                = ( 53, 22 )
    V3                = ( 53, 53 )
    V4                = ( 22, 53 )
    ..
```

```
"Z07-110-CLAB-XY" = POLYGON
   V1                = ( 53, 53 )
   V2                = ( 73, 53 )
   V3                = ( 73, 84 )
   V4                = ( 53, 84 )
   ..
"Z08-127-CLAB-XY" = POLYGON
   V1                = ( 53, 22 )
   V2                = ( 73, 22 )
   V3                = ( 73, 53 )
   V4                = ( 53, 53 )
   ..
"Z09-112-CLAB-XY" = POLYGON
   V1                = ( 73, 53 )
   V2                = ( 94, 53 )
   V3                = ( 94, 84 )
   V4                = ( 73, 84 )
   ..
"Z10-125-CLAB-XY" = POLYGON
   V1                = ( 73, 22 )
   V2                = ( 94, 22 )
   V3                = ( 94, 53 )
   V4                = ( 73, 53 )
   ..
"Z11-130-OFC-XY" = POLYGON
   V1                = ( 33, 0 )
   V2                = ( 36, 0 )
   V3                = ( 39, 0 )
   V4                = ( 46, 0 )
   V5                = ( 49, 0 )
   V6                = ( 56, 0 )
   V7                = ( 59, 0 )
   V8                = ( 66, 0 )
   V9                = ( 69, 0 )
   V10               = ( 76, 0 )
   V11               = ( 79, 0 )
   V12               = ( 86, 0 )
   V13               = ( 89, 0 )
   V14               = ( 96, 0 )
   V15               = ( 99, 0 )
   V16               = ( 102, 0 )
   V17               = ( 102, 14 )
   V18               = ( 33, 14 )
   ..
"Z12-126-OFC-XY" = POLYGON
   V1                = ( 102, 0 )
   V2                = ( 106, 0 )
   V3                = ( 109, 0 )
   V4                = ( 116, 0 )
   V5                = ( 116, 10 )
   V6                = ( 116, 13 )
   V7                = ( 116, 16 )
   V8                = ( 102, 16 )
   ..
"Z13-120-OFC-XY" = POLYGON
   V1                = ( 102, 16 )
   V2                = ( 116, 16 )
```

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   V3                = ( 116, 21 )
   V4                = ( 116, 24 )
   V5                = ( 116, 32 )
   V6                = ( 116, 35 )
   V7                = ( 116, 43 )
   V8                = ( 116, 46 )
   V9                = ( 116, 54 )
   V10               = ( 116, 57 )
   V11               = ( 116, 65 )
   V12               = ( 116, 68 )
   V13               = ( 116, 76 )
   V14               = ( 116, 79 )
   V15               = ( 116, 87 )
   V16               = ( 116, 90 )
   V17               = ( 116, 91 )
   V18               = ( 102, 91 )
   ..
"Z14-199-DATA-XY" = POLYGON
   V1                = ( 47, 92 )
   V2                = ( 54, 92 )
   V3                = ( 54, 105 )
   V4                = ( 47, 105 )
   ..
"Floor-2-XY" = POLYGON
   V1                = ( 0, 0 )
   V2                = ( 12, 0 )
   V3                = ( 12, -4 )
   V4                = ( 33, -4 )
   V5                = ( 33, 0 )
   V6                = ( 115, 0 )
   V7                = ( 115, 99 )
   V8                = ( 101, 99 )
   V9                = ( 101, 105 )
   V10               = ( 11, 105 )
   V11               = ( 11, 35 )
   V12               = ( 0, 35 )
   ..
"Z15-293-COR-XY" = POLYGON
   V1                = ( 0, 0 )
   V2                = ( 12, 0 )
   V3                = ( 12, 14 )
   V4                = ( 25, 14 )
   V5                = ( 25, 22 )
   V6                = ( 22, 22 )
   V7                = ( 22, 106 )
   V8                = ( 11, 106 )
   V9                = ( 11, 35 )
   V10               = ( 0, 35 )
   ..
"Z16-295-RR-XY" = POLYGON
   V1                = ( 22, 92 )
   V2                = ( 47, 92 )
   V3                = ( 47, 105 )
   V4                = ( 22, 105 )
   ..
"Z17-299-DATA-XY" = POLYGON
   V1                = ( 47, 92 )
```

```
   V2               = ( 54, 92 )
   V3               = ( 54, 105 )
   V4               = ( 47, 105 )
   ..
"Z18-209-OFC-XY" = POLYGON
   V1               = ( 54, 92 )
   V2               = ( 81, 92 )
   V3               = ( 81, 105 )
   V4               = ( 54, 105 )
   ..
"Z19-291-COR-XY" = POLYGON
   V1               = ( 25, 14 )
   V2               = ( 81, 14 )
   V3               = ( 81, 92 )
   V4               = ( 22, 92 )
   V5               = ( 22, 84 )
   V6               = ( 73, 84 )
   V7               = ( 73, 22 )
   V8               = ( 25, 22 )
   ..
"Z20-206-CLAB-XY" = POLYGON
   V1               = ( 22, 53 )
   V2               = ( 42, 53 )
   V3               = ( 42, 84 )
   V4               = ( 22, 84 )
   ..
"Z21-212-LEARN-XY" = POLYGON
   V1               = ( 22, 22 )
   V2               = ( 42, 22 )
   V3               = ( 42, 53 )
   V4               = ( 22, 53 )
   ..
"Z22-208-CLAB-XY" = POLYGON
   V1               = ( 42, 53 )
   V2               = ( 63, 53 )
   V3               = ( 63, 84 )
   V4               = ( 42, 84 )
   ..
"Z23-212-LEARN-XY" = POLYGON
   V1               = ( 42, 22 )
   V2               = ( 62, 22 )
   V3               = ( 62, 34 )
   V4               = ( 73, 34 )
   V5               = ( 73, 45 )
   V6               = ( 62, 45 )
   V7               = ( 62, 53 )
   V8               = ( 42, 53 )
   ..
"Z24-210-OFC-XY" = POLYGON
   V1               = ( 62, 45 )
   V2               = ( 73, 45 )
   V3               = ( 73, 84 )
   V4               = ( 62, 84 )
   ..
"Z25-212-MEDIA-XY" = POLYGON
   V1               = ( 62, 22 )
   V2               = ( 73, 22 )
```

```
   V3               = ( 73, 34 )
   V4               = ( 62, 34 )
   ..
"Z26-211-FUND-XY" = POLYGON
   V1               = ( 81, 52 )
   V2               = ( 115, 52 )
   V3               = ( 115, 99 )
   V4               = ( 101, 99 )
   V5               = ( 101, 105 )
   V6               = ( 81, 105 )
   ..
"Z27-215-BEDLAB-XY" = POLYGON
   V1               = ( 81, 14 )
   V2               = ( 115, 14 )
   V3               = ( 115, 52 )
   V4               = ( 81, 52 )
   ..
"Z28-217-LOUNGE-XY" = POLYGON
   V1               = ( 72, 0 )
   V2               = ( 76, 0 )
   V3               = ( 79, 0 )
   V4               = ( 82, 0 )
   V5               = ( 115, 0 )
   V6               = ( 115, 14 )
   V7               = ( 72, 14 )
   ..
"Z29-223-OFC-XY" = POLYGON
   V1               = ( 12, 0 )
   V2               = ( 16, 0 )
   V3               = ( 19, 0 )
   V4               = ( 26, 0 )
   V5               = ( 29, 0 )
   V6               = ( 33, 0 )
   V7               = ( 36, 0 )
   V8               = ( 39, 0 )
   V9               = ( 46, 0 )
   V10              = ( 49, 0 )
   V11              = ( 56, 0 )
   V12              = ( 59, 0 )
   V13              = ( 66, 0 )
   V14              = ( 69, 0 )
   V15              = ( 72, 0 )
   V16              = ( 72, 14 )
   V17              = ( 12, 14 )
   ..
"Z01-191-COR-XY - SMirro" = POLYGON
   V1               = ( 0, 0 )
   V2               = ( 22, 0 )
   V3               = ( 25, 0 )
   V4               = ( 35, 0 )
   V5               = ( 35, 12 )
   V6               = ( 37, 12 )
   V7               = ( 40, 12 )
   V8               = ( 42, 12 )
   V9               = ( 45, 12 )
   V10              = ( 47, 12 )
   V11              = ( 50, 12 )
```

```
    V12                = ( 105, 12 )
    V13                = ( 105, 15 )
    V14                = ( 105, 20 )
    V15                = ( 105, 22 )
    V16                = ( 22, 22 )
    V17                = ( 22, 33 )
    V18                = ( -4, 33 )
    V19                = ( -4, 29 )
    V20                = ( -4, 17 )
    V21                = ( -4, 13 )
    V22                = ( 0, 13 )
    ..
"Z04-191-COR-XY - SMirro" = POLYGON
    V1                 = ( 14, 33 )
    V2                 = ( 22, 33 )
    V3                 = ( 22, 94 )
    V4                 = ( 84, 94 )
    V5                 = ( 84, 22 )
    V6                 = ( 92, 22 )
    V7                 = ( 92, 91 )
    V8                 = ( 105, 91 )
    V9                 = ( 105, 102 )
    V10                = ( 99, 102 )
    V11                = ( 99, 116 )
    V12                = ( 91, 116 )
    V13                = ( 91, 102 )
    V14                = ( 14, 102 )
    ..
"Z11-130-OFC-XY - SMirro" = POLYGON
    V1                 = ( 0, 33 )
    V2                 = ( 14, 33 )
    V3                 = ( 14, 102 )
    V4                 = ( 0, 102 )
    V5                 = ( 0, 99 )
    V6                 = ( 0, 96 )
    V7                 = ( 0, 89 )
    V8                 = ( 0, 86 )
    V9                 = ( 0, 79 )
    V10                = ( 0, 76 )
    V11                = ( 0, 69 )
    V12                = ( 0, 66 )
    V13                = ( 0, 59 )
    V14                = ( 0, 56 )
    V15                = ( 0, 49 )
    V16                = ( 0, 46 )
    V17                = ( 0, 39 )
    V18                = ( 0, 36 )
    ..
"Z12-126-OFC-XY - SMirro" = POLYGON
    V1                 = ( 0, 102 )
    V2                 = ( 16, 102 )
    V3                 = ( 16, 116 )
    V4                 = ( 13, 116 )
    V5                 = ( 10, 116 )
    V6                 = ( 0, 116 )
    V7                 = ( 0, 109 )
    V8                 = ( 0, 106 )
```

```
   ..
"Z13-120-OFC-XY - SMirro" = POLYGON
   V1                = ( 16, 102 )
   V2                = ( 91, 102 )
   V3                = ( 91, 116 )
   V4                = ( 90, 116 )
   V5                = ( 87, 116 )
   V6                = ( 79, 116 )
   V7                = ( 76, 116 )
   V8                = ( 68, 116 )
   V9                = ( 65, 116 )
   V10               = ( 57, 116 )
   V11               = ( 54, 116 )
   V12               = ( 46, 116 )
   V13               = ( 43, 116 )
   V14               = ( 35, 116 )
   V15               = ( 32, 116 )
   V16               = ( 24, 116 )
   V17               = ( 21, 116 )
   V18               = ( 16, 116 )
   ..
"Z01-101-COR-ROOF-XY" = POLYGON
   V1                = ( 0, 0 )
   V2                = ( 20, 0 )
   V3                = ( 20, 4 )
   V4                = ( 0, 4 )
   ..

$ ---------------------------------------------------------
$              Wall Parameters
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Fixed and Building Shades
$ ---------------------------------------------------------




$ ---------------------------------------------------------
$              Misc Cost Related Objects
$ ---------------------------------------------------------



"BASELINE 1" = BASELINE
   ..


$ *********************************************************
$ **                                                     **
$ **      Floors / Spaces / Walls / Windows / Doors      **
$ **                                                     **
$ *********************************************************
```

```
"Floor-1" = FLOOR
   Z                = 0
   POLYGON          = "Floor-1-XY"
   SHAPE            = POLYGON
   FLOOR-HEIGHT     = 14
   SPACE-HEIGHT     = 14
   C-DIAGRAM-DATA   = *Bldg Envelope & Loads 1 Diag Data*
   ..
"Z01-191-COR" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 3
   LIGHTING-W/AREA  = ( 0.79 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z01-191-COR-XY"
   ..
"W01-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V1
   ..
"W02-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   HEIGHT           = 25
   LOCATION         = SPACE-V2
   ..
"WIN01-W02-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 0.5
   Y                = 8
   HEIGHT           = 12
   WIDTH            = 3
   ..
"W03-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   HEIGHT           = 25
   LOCATION         = SPACE-V3
   ..
"WIN01-W03-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   HEIGHT           = 20
   WIDTH            = 3.75
   ..
"W04-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   HEIGHT           = 25
   LOCATION         = SPACE-V4
   ..
"WIN01-W04-Z01-191-COR" = WINDOW
```

```
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 0
   Y                = 0
   HEIGHT           = 10
   WIDTH            = 11.5
   SETBACK          = 0
   OVERHANG-A       = 4
   OVERHANG-W       = 19.5
   OVERHANG-D       = 4
   ..
"WIN02-W04-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 0
   Y                = 10
   HEIGHT           = 12
   WIDTH            = 11.5
   SETBACK          = 0
   OVERHANG-A       = 4
   OVERHANG-W       = 19.5
   OVERHANG-D       = 4
   ..
"W05-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   HEIGHT           = 25
   LOCATION         = SPACE-V5
   ..
"WIN01-W05-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   HEIGHT           = 20
   WIDTH            = 3.75
   ..
"W06-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   HEIGHT           = 25
   WIDTH            = 4
   LOCATION         = SPACE-V6
   ..
"WIN01-W06-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 0.5
   Y                = 8
   HEIGHT           = 12
   WIDTH            = 3
   ..
"W10-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V12
   ..
"W11-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V13
   ..
"W12-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V14
   ..
"WIN01-W12-Z01-191-COR" = WINDOW
```

```
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2
   ..
"W13-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V15
   ..
"WIN01-W13-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 0
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 0.5
   SETBACK          = 0
   ..
"WIN02-W13-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 2.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 0.5
   SETBACK          = 0
   ..
"W14-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V16
   ..
"WIN01-W14-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2
   ..
"W15-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V17
   ..
"W16-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V18
   ..
"W17-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V19
   ..
"W18-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V20
   ..
"W19-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V21
   ..
"WIN01-W18-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
```

```
   X                 = 0
   Y                 = 0
   HEIGHT            = 7
   WIDTH             = 3
   SETBACK           = 0
   ..
"W20-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V22
   ..
"R01-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION      = "R-TYP-CONS"
   X                 = 13
   Y                 = -4
   Z                 = 25
   LOCATION          = TOP
   POLYGON           = "Z01-101-COR-ROOF-XY"
   ..
"UF01-Z01-191-COR" = UNDERGROUND-WALL
   CONSTRUCTION      = "UF-TYP-CONS"
   U-EFFECTIVE       = 0.049
   LOCATION          = BOTTOM
   ..
"Z02-195-RR" = SPACE
   SHAPE             = POLYGON
   PEOPLE-SCHEDULE   = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
   EQUIP-SCHEDULE    = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE      = "INF-ALL-ANNUAL"
   LIGHTING-TYPE     = ( REC-FLUOR-NV )
   INF-METHOD        = AIR-CHANGE
   PEOPLE-HG-LAT     = 250
   PEOPLE-HG-SENS    = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA   = ( 0.93 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON           = "Z02-195-RR-XY"
   ..
"Z03-199-STO" = SPACE
   SHAPE             = POLYGON
   PEOPLE-SCHEDULE   = "OCC-MECH-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-MECH-ANNUAL" )
   EQUIP-SCHEDULE    = ( "EQP-MECH-ANNUAL" )
   INF-SCHEDULE      = "INF-ALL-ANNUAL"
   LIGHTING-TYPE     = ( REC-FLUOR-NV )
   INF-METHOD        = AIR-CHANGE
   PEOPLE-HG-LAT     = 250
   PEOPLE-HG-SENS    = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA   = ( 0.98 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON           = "Z03-199-STO-XY"
   ..
"Z04-191-COR" = SPACE
   SHAPE             = POLYGON
   PEOPLE-SCHEDULE   = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
```

```
   EQUIP-SCHEDULE   = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 3
   LIGHTING-W/AREA  = ( 0.76 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z04-191-COR-XY"
   ..
"W01-Z04-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V4
   ..
"WIN01-W01-Z04-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 1
   HEIGHT           = 7
   WIDTH            = 6
   OVERHANG-D       = 4
   ..
"W02-Z04-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V5
   ..
"W03-Z04-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V6
   ..
"UF01-Z04-191-COR" = UNDERGROUND-WALL
   CONSTRUCTION     = "UF-TYP-CONS"
   U-EFFECTIVE      = 0.0086
   LOCATION         = BOTTOM
   ..
"Z05-10A-CLA" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 17
   LIGHTING-W/AREA  = ( 0.83 )
   EQUIPMENT-W/AREA = ( 0.487 )
   POLYGON          = "Z05-10A-CLA-XY"
   ..
"Z06-10B-CLA" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
```

```
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 17
   LIGHTING-W/AREA  = ( 0.83 )
   EQUIPMENT-W/AREA = ( 0.487 )
   POLYGON          = "Z06-10B-CLA-XY"
   ..
"Z07-110-CLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 8
   LIGHTING-W/AREA  = ( 1.15 )
   EQUIPMENT-W/AREA = ( 0.752 )
   POLYGON          = "Z07-110-CLAB-XY"
   ..
"Z08-127-CLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 8
   LIGHTING-W/AREA  = ( 1.15 )
   EQUIPMENT-W/AREA = ( 0.752 )
   POLYGON          = "Z08-127-CLAB-XY"
   ..
"Z09-112-CLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 12
   LIGHTING-W/AREA  = ( 1.09 )
   EQUIPMENT-W/AREA = ( 0.71 )
   POLYGON          = "Z09-112-CLAB-XY"
   ..
"Z10-125-CLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
```

```
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 12
   LIGHTING-W/AREA  = ( 1.09 )
   EQUIPMENT-W/AREA = ( 0.71 )
   POLYGON          = "Z10-125-CLAB-XY"
   ..
"Z11-130-OFC" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 6
   LIGHTING-W/AREA  = ( 1.16 )
   EQUIPMENT-W/AREA = ( 1.462 )
   POLYGON          = "Z11-130-OFC-XY"
   ..
"W01-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V1
   ..
"W02-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V2
   ..
"W03-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V3
   ..
"WIN01-W03-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"WIN02-W03-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 4.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W04-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V4
   ..
```

```
"W05-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V5
   ..
"WIN01-W05-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2
   ..
"W06-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V6
   ..
"WIN01-W06-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 0
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 0.5
   SETBACK          = 0
   ..
"WIN02-W06-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 2.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 0.5
   SETBACK          = 0
   ..
"W07-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V7
   ..
"WIN01-W07-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2
   ..
"W08-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V8
   ..
"W09-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V9
   ..
"WIN01-W09-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 3
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W10-Z11-130-OFC" = EXTERIOR-WALL
```

```
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V10
   ..
"WIN01-W10-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 0.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"W11-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V11
   ..
"W12-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V12
   ..
"W13-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V13
   ..
"WIN01-W13-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 3
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W14-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V14
   ..
"WIN01-W14-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 0.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"W15-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V15
   ..
"UF01-Z11-130-OFC" = UNDERGROUND-WALL
   CONSTRUCTION     = "UF-TYP-CONS"
   U-EFFECTIVE      = 0.0429
   LOCATION         = BOTTOM
   ..
"Z12-126-OFC" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
```

```
   LIGHTING-TYPE     = ( REC-FLUOR-NV )
   INF-METHOD        = AIR-CHANGE
   AIR-CHANGES/HR    = 0.2
   PEOPLE-HG-LAT     = 250
   PEOPLE-HG-SENS    = 250
   NUMBER-OF-PEOPLE  = 1
   LIGHTING-W/AREA   = ( 0.711 )
   EQUIPMENT-W/AREA  = ( 0.835 )
   POLYGON           = "Z12-126-OFC-XY"
   ..
"W01-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V1
   ..
"W02-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V2
   ..
"W03-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V3
   ..
"W04-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V4
   ..
"WIN01-W04-Z12-126-OFC" = WINDOW
   GLASS-TYPE        = "TYP-GLASS-1"
   X                 = 3
   Y                 = 3.5
   HEIGHT            = 5
   WIDTH             = 5
   ..
"W05-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V5
   ..
"W06-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V6
   ..
"UF01-Z12-126-OFC" = UNDERGROUND-WALL
   CONSTRUCTION      = "UF-TYP-CONS"
   U-EFFECTIVE       = 0.0804
   LOCATION          = BOTTOM
   ..
"Z13-120-OFC" = SPACE
   SHAPE             = POLYGON
   PEOPLE-SCHEDULE   = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL  = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE    = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE      = "INF-ALL-ANNUAL"
   LIGHTING-TYPE     = ( REC-FLUOR-NV )
   INF-METHOD        = AIR-CHANGE
   AIR-CHANGES/HR    = 0.2
   PEOPLE-HG-LAT     = 250
   PEOPLE-HG-SENS    = 250
```

```
   NUMBER-OF-PEOPLE = 5
   LIGHTING-W/AREA  = ( 1.02 )
   EQUIPMENT-W/AREA = ( 0.975 )
   POLYGON          = "Z13-120-OFC-XY"
   ..
"W01-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V2
   ..
"W02-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V3
   ..
"W03-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V4
   ..
"WIN01-W03-Z13-120-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 4
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W04-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V5
   ..
"WIN01-W04-Z13-120-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 0.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"W05-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V6
   ..
"W06-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V7
   ..
"W07-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V8
   ..
"W08-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V9
   ..
"W09-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V10
   ..
"WIN01-W09-Z13-120-OFC" = WINDOW
```

```
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 1
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"WIN02-W09-Z13-120-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 5.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W10-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V11
   ..
"W11-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V12
   ..
"W12-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V13
   ..
"W13-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V14
   ..
"WIN01-W13-Z13-120-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"WIN02-W13-Z13-120-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 5.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W14-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V15
   ..
"W15-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V16
   ..
"UF01-Z13-120-OFC" = UNDERGROUND-WALL
   CONSTRUCTION     = "UF-TYP-CONS"
   U-EFFECTIVE      = 0.0429
   LOCATION         = BOTTOM
   ..
"Z14-199-DATA" = SPACE
   SHAPE            = POLYGON
```

```
   PEOPLE-SCHEDULE  = "OCC-MECH-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-MECH-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-MECH-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA  = ( 1.3 )
   EQUIPMENT-W/AREA = ( 4.136 )
   POLYGON          = "Z14-199-DATA-XY"
   ..
"Floor-2" = FLOOR
   Z                = 14
   POLYGON          = "Floor-2-XY"
   SHAPE            = POLYGON
   FLOOR-HEIGHT     = 18
   SPACE-HEIGHT     = 18
   C-DIAGRAM-DATA   = *Bldg Envelope & Loads 1 Diag Data*
   ..
"Z15-293-COR" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 2
   LIGHTING-W/AREA  = ( 0.57 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z15-293-COR-XY"
   ..
"W01-Z15-293-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   WIDTH            = 14
   LOCATION         = SPACE-V1
   ..
"W03-Z15-293-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V8
   ..
"WIN01-W03-Z15-293-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 59
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN02-W03-Z15-293-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 63.5
```

```
   Y                 = 3.5
   HEIGHT            = 5
   WIDTH             = 2.5
   SETBACK           = 0
   ..
"W04-Z15-293-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V9
   ..
"W05-Z15-293-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V10
   ..
"R01-Z15-293-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z16-295-RR" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA  = ( 0.93 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z16-295-RR-XY"
   ..
"R01-Z16-295-RR" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z17-299-DATA" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-MECH-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-MECH-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-MECH-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA  = ( 1.3 )
   EQUIPMENT-W/AREA = ( 4.136 )
   POLYGON          = "Z17-299-DATA-XY"
   ..
"R01-Z17-299-DATA" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z18-209-OFC" = SPACE
   SHAPE            = POLYGON
```

```
   PEOPLE-SCHEDULE  = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 3
   LIGHTING-W/AREA  = ( 1.22 )
   EQUIPMENT-W/AREA = ( 1.601 )
   POLYGON          = "Z18-209-OFC-XY"
   ..
"R01-Z18-209-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z19-291-COR" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 3
   LIGHTING-W/AREA  = ( 0.64 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z19-291-COR-XY"
   ..
"R01-Z19-291-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z20-206-CLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 8
   LIGHTING-W/AREA  = ( 1.15 )
   EQUIPMENT-W/AREA = ( 0.446 )
   POLYGON          = "Z20-206-CLAB-XY"
   ..
"R01-Z20-206-CLAB" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z21-212-LEARN" = SPACE
```

```
   SHAPE             = POLYGON
   PEOPLE-SCHEDULE   = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 8
   LIGHTING-W/AREA  = ( 1.15 )
   EQUIPMENT-W/AREA = ( 1.518 )
   POLYGON          = "Z21-212-LEARN-XY"
   ..
"R01-Z21-212-LEARN" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z22-208-CLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 16
   LIGHTING-W/AREA  = ( 1.09 )
   EQUIPMENT-W/AREA = ( 0.71 )
   POLYGON          = "Z22-208-CLAB-XY"
   ..
"R01-Z22-208-CLAB" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z23-212-LEARN" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 10
   LIGHTING-W/AREA  = ( 1.14 )
   EQUIPMENT-W/AREA = ( 1.518 )
   POLYGON          = "Z23-212-LEARN-XY"
   ..
"R01-Z23-212-LEARN" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z24-210-OFC" = SPACE
```

```
   SHAPE             = POLYGON
   PEOPLE-SCHEDULE  = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 3
   LIGHTING-W/AREA  = ( 0.87 )
   EQUIPMENT-W/AREA = ( 1.532 )
   POLYGON          = "Z24-210-OFC-XY"
   ..
"R01-Z24-210-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z25-212-MEDIA" = SPACE
   SHAPE             = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA  = ( 0.89 )
   EQUIPMENT-W/AREA = ( 2.117 )
   POLYGON          = "Z25-212-MEDIA-XY"
   ..
"R01-Z25-212-MEDIA" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z26-211-FUND" = SPACE
   SHAPE             = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 20
   LIGHTING-W/AREA  = ( 1.28 )
   EQUIPMENT-W/AREA = ( 1.309 )
   POLYGON          = "Z26-211-FUND-XY"
   ..
"W01-Z26-211-FUND" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V2
   ..
```

```
"WIN01-W01-Z26-211-FUND" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 6
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN03-W01-Z26-211-FUND" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 27
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN02-W01-Z26-211-FUND" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 10.5
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN04-W01-Z26-211-FUND" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 31.5
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"W02-Z26-211-FUND" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V3
   ..
"W03-Z26-211-FUND" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V4
   ..
"R01-Z26-211-FUND" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z27-215-BEDLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 20
   LIGHTING-W/AREA  = ( 1.61 )
```

```
   EQUIPMENT-W/AREA = ( 1.448 )
   POLYGON          = "Z27-215-BEDLAB-XY"
   ..
"W01-Z27-215-BEDLAB" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V2
   ..
"WIN01-W01-Z27-215-BEDLAB" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 15
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN02-W01-Z27-215-BEDLAB" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 20.5
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"R01-Z27-215-BEDLAB" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z28-217-LOUNGE" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 6
   LIGHTING-W/AREA  = ( 1.57 )
   EQUIPMENT-W/AREA = ( 1.156 )
   DAYLIGHTING      = YES
   LIGHT-REF-POINT1 = ( 80, 7, 9 )
   LIGHT-REF-POINT2 = ( 105, 7, 9 )
   ZONE-FRACTION1   = 0.5
   ZONE-FRACTION2   = 0.5
   VIEW-AZIMUTH     = 180
   POLYGON          = "Z28-217-LOUNGE-XY"
   ..
"W01-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V1
   ..
"WIN01-W01-Z28-217-LOUNGE" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 0
   Y                = 3.5
```

```
   HEIGHT            = 5
   WIDTH             = 2.5
   SETBACK           = 0
   ..
"W02-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V2
   ..
"WIN01-W02-Z28-217-LOUNGE" = WINDOW
   GLASS-TYPE        = "TYP-GLASS-1"
   X                 = 0.5
   Y                 = 3.5
   HEIGHT            = 5
   WIDTH             = 2.5
   ..
"W03-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V3
   ..
"W04-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   Z                 = 3
   HEIGHT            = 15
   LOCATION          = SPACE-V4
   ..
"WIN02-W01-Z28-217-LOUNGE" = WINDOW
   GLASS-TYPE        = "TYP-GLASS-2"
   X                 = 6
   Y                 = 0
   HEIGHT            = 9
   WIDTH             = 26
   SETBACK           = 0
   OVERHANG-B        = -1.5
   OVERHANG-W        = 29
   OVERHANG-D        = 2
   ..
"W05-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   Z                 = 3
   HEIGHT            = 15
   LOCATION          = SPACE-V5
   ..
"WIN01-W05-Z28-217-LOUNGE" = WINDOW
   GLASS-TYPE        = "TYP-GLASS-2"
   Y                 = 0
   HEIGHT            = 9
   WIDTH             = 14
   SETBACK           = 0
   OVERHANG-A        = 2
   OVERHANG-B        = -1.5
   OVERHANG-W        = 17
   OVERHANG-D        = 2
   ..
"R01-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION      = "R-TYP-CONS"
   LOCATION          = TOP
   ..
```

```
"W04A-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION     = "W-SPANDREL-CONS"
   HEIGHT           = 3
   LOCATION         = SPACE-V4
   ..
"W05A-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION     = "W-SPANDREL-CONS"
   HEIGHT           = 3
   LOCATION         = SPACE-V5
   ..
"IW01-Z28-217-LOUNGE" = INTERIOR-WALL
   NEXT-TO          = "Z27-215-BEDLAB"
   CONSTRUCTION     = "IW-TYP-CONS"
   LOCATION         = SPACE-V6
   ..
"IW02-Z28-217-LOUNGE" = INTERIOR-WALL
   NEXT-TO          = "Z29-223-OFC"
   CONSTRUCTION     = "IW-TYP-CONS"
   LOCATION         = SPACE-V7
   ..
"Z29-223-OFC" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 6
   LIGHTING-W/AREA  = ( 1.14 )
   EQUIPMENT-W/AREA = ( 1.337 )
   POLYGON          = "Z29-223-OFC-XY"
   ..
"W06-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V6
   ..
"W07-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V7
   ..
"W08-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V8
   ..
"WIN01-W08-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 0
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN02-W08-Z29-223-OFC" = WINDOW
```

```
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 4.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"W09-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V9
   ..
"W10-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V10
   ..
"WIN01-W10-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   X                = 5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2
   SETBACK          = 0
   ..
"W11-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V11
   ..
"WIN01-W11-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 0.5
   ..
"WIN02-W11-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 2.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 0.5
   ..
"W12-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V12
   ..
"WIN01-W12-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2
   ..
"W13-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V13
   ..
"W14-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V14
```

```
   ..
"R01-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"W01-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Y                = -0.02
   Z                = 11
   HEIGHT           = 7
   LOCATION         = SPACE-V1
   ..
"W02-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Y                = -0.02
   Z                = 11
   HEIGHT           = 7
   LOCATION         = SPACE-V2
   ..
"W03-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Y                = -0.02
   Z                = 11
   HEIGHT           = 7
   LOCATION         = SPACE-V3
   ..
"W04-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Y                = -0.02
   Z                = 11
   HEIGHT           = 7
   LOCATION         = SPACE-V4
   ..
"W05-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Y                = -0.02
   Z                = 11
   HEIGHT           = 7
   LOCATION         = SPACE-V5
   ..
"IW01-Z29-223-OFC" = INTERIOR-WALL
   NEXT-TO          = "Z01-191-COR"
   CONSTRUCTION     = "IW-TYP-CONS"
   HEIGHT           = 11
   LOCATION         = SPACE-V1
   ..
"IW02-Z29-223-OFC" = INTERIOR-WALL
   NEXT-TO          = "Z01-191-COR"
   CONSTRUCTION     = "IW-TYP-CONS"
   HEIGHT           = 11
   LOCATION         = SPACE-V2
   ..
"IWIN01-IW02-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
```

```
   ..
"IW03-Z29-223-OFC" = INTERIOR-WALL
   NEXT-TO          = "Z01-191-COR"
   CONSTRUCTION     = "IW-TYP-CONS"
   HEIGHT           = 11
   LOCATION         = SPACE-V3
   ..
"IW04-Z29-223-OFC" = INTERIOR-WALL
   NEXT-TO          = "Z01-191-COR"
   CONSTRUCTION     = "IW-TYP-CONS"
   HEIGHT           = 11
   LOCATION         = SPACE-V4
   ..
"IWIN01-IW04-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-2"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"IW05-Z29-223-OFC" = INTERIOR-WALL
   NEXT-TO          = "Z01-191-COR"
   CONSTRUCTION     = "IW-TYP-CONS"
   HEIGHT           = 11
   LOCATION         = SPACE-V5
   ..


$ **********************************************************
$ **                                                      **
$ **                 Performance Curves                   **
$ **                                                      **
$ **********************************************************

"DUMMY-CHILLER-EIR-FPLR" = CURVE-FIT
   TYPE             = BI-QUADRATIC-RATIO&DT
   INPUT-TYPE       = COEFFICIENTS
   COEFFICIENTS     = ( 0, 1, 0, 0, 0, 0 )
   ..
"DUMMY-CHILLER-EIR-FT" = CURVE-FIT
   TYPE             = BI-QUADRATIC-T
   INPUT-TYPE       = COEFFICIENTS
   COEFFICIENTS     = ( 1, 0, 0, 0, 0, 0 )
   ..
"DUMMY-CHILLER-CAP-FT" = CURVE-FIT
   TYPE             = BI-QUADRATIC-T
   INPUT-TYPE       = COEFFICIENTS
   COEFFICIENTS     = ( 1, 0, 0, 0, 0, 0 )
   ..
"ForcedDraft-Blr-HIR-fPLR2" = CURVE-FIT
   LIBRARY-ENTRY "ForcedDraft-Blr-HIR-fPLR"
   ..
"DUMMY-BLR-HIR-FPLR" = CURVE-FIT
   TYPE             = QUADRATIC
   INPUT-TYPE       = COEFFICIENTS
   COEFFICIENTS     = ( 0, 1, 0 )
   ..
```

```
$ *********************************************************
$ **                                                     **
$ **              Electric & Fuel Meters                 **
$ **                                                     **
$ *********************************************************

$ ---------------------------------------------------------
$              Electric Meters
$ ---------------------------------------------------------

"Submeter 1 - Exterior Lighting" = ELEC-METER
   TYPE             = SUB-METER
   EXTERIOR-POWER   = ( 0.672 )
   EXTERIOR-SCH     = ( "EXT-LIGHTS-SCH" )
   ..
"EM1" = ELEC-METER
   TYPE             = UTILITY
   BLDG/SUB-METERS  = ( "Submeter 1 - Exterior Lighting",
         "Submeter 2 - Elevator" )
   ..
"Submeter 2 - Elevator" = ELEC-METER
   TYPE             = SUB-METER
   INTERIOR-POWER   = ( 20 )
   INTERIOR-SCH     = ( "SCHOOL-SECON ELEV" )
   ..


$ ---------------------------------------------------------
$              Fuel Meters
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Master Meters
$ ---------------------------------------------------------

"MASTER-METERS 1" = MASTER-METERS
   MSTR-ELEC-METER  = "EM1"
   MSTR-FUEL-METER  = "FM1"
   ..


$ *********************************************************
$ **                                                     **
$ **      HVAC Circulation Loops / Plant Equipment       **
$ **                                                     **
$ *********************************************************

$ ---------------------------------------------------------
$              Pumps
$ ---------------------------------------------------------

"HW Pump 1" = PUMP
   MOTOR-CLASS      = PREMIUM
   CAP-CTRL         = VAR-SPEED-PUMP
```

```
   ..
"CW Pump" = PUMP
   HEAD              = 0
   MOTOR-CLASS       = PREMIUM
   ..
"CHW Loop Pump" = PUMP
   MOTOR-CLASS       = PREMIUM
   CAP-CTRL          = VAR-SPEED-PUMP
   ..


$ ---------------------------------------------------------
$              Heat Exchangers
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Circulation Loops
$ ---------------------------------------------------------

"Chilled Water Loop" = CIRCULATION-LOOP
   TYPE              = CHW
   LOOP-DESIGN-DT    = 14
   SIZING-OPTION     = SECONDARY
   DESIGN-COOL-T     = 45
   LOOP-PUMP         = "CHW Loop Pump"
   ..
"Hot Water Loop" = CIRCULATION-LOOP
   TYPE              = HW
   LOOP-DESIGN-DT    = 20
   ..
"Condenser Water Loop" = CIRCULATION-LOOP
   TYPE              = CW
   SIZING-OPTION     = PRIMARY
   COOL-SETPT-CTRL   = LOAD-RESET
   LOOP-PUMP         = "CW Pump"
   ..
"DHW LOOP" = CIRCULATION-LOOP
   TYPE              = DHW
   PROCESS-FLOW      = ( 0.69 )
   PROCESS-SCH       = ( "DHW-SCH" )
   ..


$ ---------------------------------------------------------
$              Chillers
$ ---------------------------------------------------------

"Chiller 1" = CHILLER
   TYPE              = ELEC-HERM-CENT
   CAPACITY          = 0.45
   CAPACITY-FT       = "DUMMY-CHILLER-CAP-FT"
   MIN-RATIO         = 0.01
   ELEC-INPUT-RATIO  = 0.1621
   EIR-FT            = "DUMMY-CHILLER-EIR-FT"
   EIR-FPLR          = "DUMMY-CHILLER-EIR-FPLR"
```

```
   CHW-LOOP         = "Chilled Water Loop"
   CONDENSER-TYPE   = WATER-COOLED
   CW-LOOP          = "Condenser Water Loop"
   ..


$ ---------------------------------------------------------
$              Boilers
$ ---------------------------------------------------------

"Steam Boiler 1" = BOILER
   TYPE             = STM-BOILER-W/DRAFT
   MIN-RATIO        = 0.01
   ELEC-INPUT-RATIO = 0
   HEAT-INPUT-RATIO = 1.25
   HIR-FPLR         = "DUMMY-BLR-HIR-FPLR"
   LOCATION         = ZONE
   ZONE-NAME        = "Z03-199-STO_C"
   HW-LOOP          = "Hot Water Loop"
   HW-PUMP          = "HW Pump 1"
   ..


$ ---------------------------------------------------------
$              Domestic Water Heaters
$ ---------------------------------------------------------

"DHW-1" = DW-HEATER
   TYPE             = GAS
   LOCATION         = ZONE
   ZONE-NAME        = "Z01-191-COR_C"
   DHW-LOOP         = "DHW LOOP"
   ..


$ ---------------------------------------------------------
$              Heat Rejection
$ ---------------------------------------------------------

"Cooling Tower" = HEAT-REJECTION
   TYPE             = OPEN-TWR
   CAPACITY         = 0.75
   NUMBER-OF-CELLS  = 1
   CW-LOOP          = "Condenser Water Loop"
   ..


$ ---------------------------------------------------------
$              Tower Free Cooling
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Photovoltaic Modules
$ ---------------------------------------------------------
```

```
$ ---------------------------------------------------------
$              Electric Generators
$ ---------------------------------------------------------


$ ---------------------------------------------------------
$              Thermal Storage
$ ---------------------------------------------------------


$ ---------------------------------------------------------
$              Ground Loop Heat Exchangers
$ ---------------------------------------------------------


$ ---------------------------------------------------------
$              Compliance DHW (residential dwelling units)
$ ---------------------------------------------------------


$ *********************************************************
$ **                                                     **
$ **            Steam & Chilled Water Meters             **
$ **                                                     **
$ *********************************************************

$ ---------------------------------------------------------
$              Steam Meters
$ ---------------------------------------------------------


$ ---------------------------------------------------------
$              Chilled Water Meters
$ ---------------------------------------------------------


$ *********************************************************
$ **                                                     **
$ **               HVAC Systems / Zones                  **
$ **                                                     **
$ *********************************************************

SET-DEFAULT FOR ZONE
   TYPE = CONDITIONED
   DESIGN-COOL-T    = 75
   HW-VALVE-TYPE    = TWO-WAY
   ..

"AHU-1" = SYSTEM
```

```
   TYPE               = VAVS
   HEAT-SOURCE        = HOT-WATER
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   COOL-CONTROL       = WARMEST
   SUPPLY-FLOW        = 23000
   MIN-OUTSIDE-AIR  = 0.14
   OA-CONTROL         = DUAL-ENTHALPY
   FAN-SCHEDULE       = "FAN-SCH-ANNUAL"
   FAN-CONTROL        = SPEED
   SUPPLY-DELTA-T     = 3.99
   SUPPLY-KW/FLOW     = 0.001346
   FAN-PLACEMENT      = DRAW-THROUGH
   RETURN-KW/FLOW     = 0.000725
   MIN-FAN-RATIO      = 0.4
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   REHEAT-DELTA-T     = 60
   MIN-FLOW-RATIO     = 0.4
   HW-VALVE-TYPE      = TWO-WAY
   HW-LOOP            = "Hot Water Loop"
   CHW-VALVE-TYPE     = TWO-WAY
   CHW-LOOP           = "Chilled Water Loop"
   COOLING-CAPACITY = 1.2e+006
   COOL-SH-CAP        = 780000
   HEATING-CAPACITY = -1e+006
   ..
"Z01-191-COR_C" = ZONE
   TYPE               = CONDITIONED
   HEAT-TEMP-SCH      = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH      = "CLG-COR-ANNUAL"
   SPACE              = "Z01-191-COR"
   ..
"Z02-195-RR_C" = ZONE
   TYPE               = CONDITIONED
   HEAT-TEMP-SCH      = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH      = "CLG-COR-ANNUAL"
   SPACE              = "Z02-195-RR"
   ..
"Z03-199-STO_C" = ZONE
   TYPE               = CONDITIONED
   HEAT-TEMP-SCH      = "HTG-STO-ANNUAL"
   COOL-TEMP-SCH      = "CLG-STO-ANNUAL"
   SPACE              = "Z03-199-STO"
   ..
"Z04-191-COR_C" = ZONE
   TYPE               = CONDITIONED
   HEAT-TEMP-SCH      = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH      = "CLG-COR-ANNUAL"
   SPACE              = "Z04-191-COR"
   ..
"Z05-10A-CLA_C" = ZONE
   TYPE               = CONDITIONED
   HEAT-TEMP-SCH      = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH      = "CLG-CLASS-ANNUAL"
   SPACE              = "Z05-10A-CLA"
   ..
"Z06-10B-CLA_C" = ZONE
```

```
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH     = "CLG-CLASS-ANNUAL"
   SPACE             = "Z06-10B-CLA"
   ..
"Z07-110-CLAB_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH     = "CLG-CLASS-ANNUAL"
   SPACE             = "Z07-110-CLAB"
   ..
"Z08-127-CLAB_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH     = "CLG-CLASS-ANNUAL"
   SPACE             = "Z08-127-CLAB"
   ..
"Z09-112-CLAB_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH     = "CLG-CLASS-ANNUAL"
   SPACE             = "Z09-112-CLAB"
   ..
"Z10-125-CLAB_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH     = "CLG-CLASS-ANNUAL"
   SPACE             = "Z10-125-CLAB"
   ..
"Z11-130-OFC_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH     = "CLG-OFC-ANNUAL"
   SPACE             = "Z11-130-OFC"
   ..
"Z12-126-OFC_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH     = "CLG-OFC-ANNUAL"
   SPACE             = "Z12-126-OFC"
   ..
"Z13-120-OFC_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH     = "CLG-OFC-ANNUAL"
   SPACE             = "Z13-120-OFC"
   ..
"Z15-293-COR_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH     = "CLG-COR-ANNUAL"
   SPACE             = "Z15-293-COR"
   ..
"Z16-295-RR_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH     = "CLG-COR-ANNUAL"
```

```
   SPACE             = "Z16-295-RR"
   ..
"Z18-209-OFC_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH     = "CLG-OFC-ANNUAL"
   SPACE             = "Z18-209-OFC"
   ..
"Z19-291-COR_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH     = "CLG-COR-ANNUAL"
   SPACE             = "Z19-291-COR"
   ..
"Z20-206-CLAB_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH     = "CLG-CLASS-ANNUAL"
   SPACE             = "Z20-206-CLAB"
   ..
"Z21-212-LEARN_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH     = "CLG-CLASS-ANNUAL"
   SPACE             = "Z21-212-LEARN"
   ..
"Z22-208-CLAB_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH     = "CLG-CLASS-ANNUAL"
   SPACE             = "Z22-208-CLAB"
   ..
"Z23-212-LEARN_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH     = "CLG-CLASS-ANNUAL"
   SPACE             = "Z23-212-LEARN"
   ..
"Z24-210-OFC_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH     = "CLG-OFC-ANNUAL"
   SPACE             = "Z24-210-OFC"
   ..
"Z25-212-MEDIA_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH     = "CLG-CLASS-ANNUAL"
   SPACE             = "Z25-212-MEDIA"
   ..
"Z26-211-FUND_C" = ZONE
   TYPE              = CONDITIONED
   HEAT-TEMP-SCH     = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH     = "CLG-CLASS-ANNUAL"
   SPACE             = "Z26-211-FUND"
   ..
"Z27-215-BEDLAB_C" = ZONE
```

```
   TYPE             = CONDITIONED
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE            = "Z27-215-BEDLAB"
   ..
"Z28-217-LOUNGE_C" = ZONE
   TYPE             = CONDITIONED
   HEAT-TEMP-SCH    = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH    = "CLG-OFC-ANNUAL"
   SPACE            = "Z28-217-LOUNGE"
   ..
"Z29-223-OFC_C" = ZONE
   TYPE             = CONDITIONED
   HEAT-TEMP-SCH    = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH    = "CLG-OFC-ANNUAL"
   SPACE            = "Z29-223-OFC"
   ..
"AC-1" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = NONE
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   SUPPLY-FLOW      = 800
   MIN-OUTSIDE-AIR  = 0
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 23800
   COOL-SH-CAP      = 20100
   CRANKCASE-HEAT   = 0
   CONTROL-ZONE     = "Z14-199-DATA_C"
   ..
"Z14-199-DATA_C" = ZONE
   TYPE             = CONDITIONED
   HEAT-TEMP-SCH    = "HTG-STO-ANNUAL"
   COOL-TEMP-SCH    = "CLG-STO-ANNUAL"
   SPACE            = "Z14-199-DATA"
   ..
"AC-2" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = NONE
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   SUPPLY-FLOW      = 800
   MIN-OUTSIDE-AIR  = 0
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 23800
   COOL-SH-CAP      = 20100
   CRANKCASE-HEAT   = 0
   CONTROL-ZONE     = "Z17-299-DATA_C"
   ..
"Z17-299-DATA_C" = ZONE
   TYPE             = CONDITIONED
   HEAT-TEMP-SCH    = "HTG-STO-ANNUAL"
   COOL-TEMP-SCH    = "CLG-STO-ANNUAL"
   SPACE            = "Z17-299-DATA"
   ..
```

```
$ *********************************************************
$ **                                                     **
$ **                Metering & Misc HVAC                 **
$ **                                                     **
$ *********************************************************

$ ---------------------------------------------------------
$             Equipment Controls
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$             Load Management
$ ---------------------------------------------------------



$ *********************************************************
$ **                                                     **
$ **                    Utility Rates                    **
$ **                                                     **
$ *********************************************************

$ ---------------------------------------------------------
$             Ratchets
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$             Block Charges
$ ---------------------------------------------------------

"ON-PEAK" = BLOCK-CHARGE
   BLOCK-SCH        = "ELE-SCH-FLAG"
   SCH-FLAG         = 1.1
   BLOCKS-ARE       = INCREMENTAL
   BLOCKS-1         = ( 1 )
   COSTS-1          = ( 0.105771 )
   BLOCK2-TYPE      = DEMAND
   BLOCKS-2         = ( 1 )
   COSTS-2          = ( 9.63 )
   ..
"OFF-PEAK" = BLOCK-CHARGE
   BLOCK-SCH        = "ELE-SCH-FLAG"
   SCH-FLAG         = 1.2
   BLOCKS-ARE       = INCREMENTAL
   BLOCKS-1         = ( 1 )
   COSTS-1          = ( 0.0840312 )
   BLOCK2-TYPE      = DEMAND
   BLOCKS-2         = ( 1 )
   COSTS-2          = ( 0 )
   ..
"GAS-BLK" = BLOCK-CHARGE
   BLOCKS-ARE       = INCREMENTAL
   BLOCKS-1         = ( 3, 277, 4720, 1 )
```

```
   COSTS-1          = ( 0, 1.11991, 1.00711, 0.90053 )
   ..


$ ---------------------------------------------------------
$              Utility Rates
$ ---------------------------------------------------------

"RGEE-SC08" = UTILITY-RATE
   TYPE             = ELECTRICITY
   ELEC-METERS      = ( "EM1" )
   MONTH-CHGS       = ( 435.4 )
   BLOCK-CHARGES    = ( "ON-PEAK", "OFF-PEAK" )
   ..
"RGEG-SC03" = UTILITY-RATE
   TYPE             = NATURAL-GAS
   FUEL-METERS      = ( "FM1" )
   MONTH-CHGS       = ( 19.35 )
   BLOCK-CHARGES    = ( "GAS-BLK" )
   ..


$ *********************************************************
$ **                                                     **
$ **                 Output Reporting                    **
$ **                                                     **
$ *********************************************************

$ ---------------------------------------------------------
$              Loads Non-Hourly Reporting
$ ---------------------------------------------------------

LOADS-REPORT
   VERIFICATION     = ( LV-B, LV-D )
   SUMMARY          = ( LS-C, LS-D, LS-F, LS-I )
   ..


$ ---------------------------------------------------------
$              Systems Non-Hourly Reporting
$ ---------------------------------------------------------

SYSTEMS-REPORT
   VERIFICATION     = ( SV-A )
   SUMMARY          = ( ALL-SUMMARY )
   ..


$ ---------------------------------------------------------
$              Plant Non-Hourly Reporting
$ ---------------------------------------------------------

PLANT-REPORT
   ..


$ ---------------------------------------------------------
```

```
$              Economics Non-Hourly Reporting
$ ----------------------------------------------------------

ECONOMICS-REPORT
   ..


$ ----------------------------------------------------------
$              Hourly Reporting
$ ----------------------------------------------------------



$ ----------------------------------------------------------
$              THE END
$ ----------------------------------------------------------

END ..
COMPUTE ..
STOP ..
```

Input for LEED Baseline Model

```
INPUT ..


$ ---------------------------------------------------------
$              Abort, Diagnostics
$ ---------------------------------------------------------




$ ---------------------------------------------------------
$              Global Parameters
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Title, Run Periods, Design Days, Holidays
$ ---------------------------------------------------------

TITLE
   LINE-1           = *Monroe Community College*
   LINE-2           = *School of Nursing*
   LINE-3           = *NYSERDA NCP7190*
   LINE-4           = *LEED Baseline Final for Submission*
   LINE-5           = *SAIC/Energy Systems Group*
   ..

"Entire Year" = RUN-PERIOD-PD
   BEGIN-MONTH      = 1
   BEGIN-DAY        = 1
   BEGIN-YEAR       = 2007
   END-MONTH        = 12
   END-DAY          = 31
   END-YEAR         = 2007
   ..


"LMC Holidays" = HOLIDAYS
   TYPE             = ALTERNATE
   MONTHS           = ( 1, 1, 2, 2, 2, 2, 3, 3, 3, 4, 4, 4, 4, 4, 5, 7, 9, 10,
         10, 11, 11, 11, 11, 12 )
   DAYS             = ( 1, 15, 25, 26, 27, 28, 1, 2, 3, 5, 6, 7, 8, 9, 28, 4,
         3, 8, 9, 21, 22, 23, 24, 25 )
   ..


$ ---------------------------------------------------------
$              Compliance Data
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Site and Building Data
$ ---------------------------------------------------------
```

```
"SITE-PARAMETERS 1" = SITE-PARAMETERS
   TIME-ZONE        = 5
   ..

"School of Nursing - Monroe Commu" = BUILD-PARAMETERS
   AZIMUTH          = 95
   ..



$ ---------------------------------------------------------
$              Materials / Layers / Constructions
$ ---------------------------------------------------------

"UWMat R10" = MATERIAL
   TYPE             = RESISTANCE
   RESISTANCE       = 10
   ..
"UFMat R100" = MATERIAL
   TYPE             = RESISTANCE
   RESISTANCE       = 100
   ..
"MAT-FICT-1" = MATERIAL
   TYPE             = RESISTANCE
   RESISTANCE       = 21.09
   ..

"W-BRICK-LAYER" = LAYERS
   MATERIAL         = ( "Steel Siding (AS01)", "Air Lay <4in Vert (AL21)",
         "Polystyrene 1in (IN33)", "Polyurethane 1in (IN43)",
         "GypBd 5/8in (GP02)" )
   ..
"W-SPANDREL-LAYER" = LAYERS
   MATERIAL         = ( "1/4in Spandrel Glass", "Air Lay <4in Vert (AL21)",
         "Polystyrene 1in (IN33)", "Polyurethane 1in (IN43)",
         "GypBd 5/8in (GP02)" )
   ..
"UF-TYP-LAYER" = LAYERS
   MATERIAL         = ( "MAT-FICT-1", "Conc LW 80lb 8in (CC26)",
         "Polystyrene 1/2in (IN31)", "Soil 12in" )
   ..
"R-LAYER-TYP" = LAYERS
   MATERIAL         = ( "Rubber Tile (RT01)", "Polystyrene 1/2in (IN31)",
         "Polystyrene 3in (IN36)", "Plywd 3/4in (PW05)",
         "Steel Siding (AS01)", "Air Lay >4in Horiz (AL33)",
         "AcousTile 3/4in (AC03)" )
   ..
"IW-TYP-LAYER" = LAYERS
   MATERIAL         = ( "GypBd 5/8in (GP02)", "Air Lay <4in Vert (AL21)",
         "GypBd 5/8in (GP02)" )
   ..

"W-BRICK-CONS" = CONSTRUCTION
   TYPE             = LAYERS
   LAYERS           = "W-BRICK-LAYER"
   ..
"W-SPANDREL-CONS" = CONSTRUCTION
```

```
   TYPE             = LAYERS
   LAYERS           = "W-SPANDREL-LAYER"
   ..
"UF-TYP-CONS" = CONSTRUCTION
   TYPE             = LAYERS
   LAYERS           = "UF-TYP-LAYER"
   ..
"R-TYP-CONS" = CONSTRUCTION
   TYPE             = LAYERS
   LAYERS           = "R-LAYER-TYP"
   ..
"IW-TYP-CONS" = CONSTRUCTION
   TYPE             = LAYERS
   LAYERS           = "IW-TYP-LAYER"
   ..


$ ---------------------------------------------------------
$              Glass Type Codes
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Glass Types
$ ---------------------------------------------------------

"TYP-GLASS-1" = GLASS-TYPE
   TYPE             = GLASS-TYPE-CODE
   GLASS-TYPE-CODE  = "2470"
   ..
"TYP-GLASS-N" = GLASS-TYPE
   TYPE             = GLASS-TYPE-CODE
   GLASS-TYPE-CODE  = "2203"
   ..


$ ---------------------------------------------------------
$              Window Layers
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Lamps / Luminaries / Lighting Systems
$ ---------------------------------------------------------




$ ---------------------------------------------------------
$              Day Schedules
$ ---------------------------------------------------------

"OCC-OFC-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
```

```
   VALUES            = ( 0, &D, &D, &D, &D, &D, 0.15, 0.5, 0.9, 1, &D, 0.8, &D,
         1, &D, 0.5, 0.1, 0.05, &D, &D, 0 )
   ..
"OCC-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0, &D, &D, &D, &D, &D, &D, &D, 0.05, &D, &D, &D, 0 )
   ..
"OCC-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0 )
   ..
"OCC-CLASS-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0, &D, &D, &D, &D, &D, &D, 0.15, 0.5, 1, 0.75, 0.5,
         0.5, 1, 0.75, 0.25, &D, 0.1, 0.4, &D, 0.15, 0.05, 0 )
   ..
"OCC-CLASS-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0, &D, &D, &D, &D, &D, &D, &D, 0.05, &D, &D, &D, 0 )
   ..
"OCC-CLASS-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0 )
   ..
"OCC-COR-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0, &D, &D, &D, &D, 0.05, 0.3, 0.5, 1, &D, &D, &D, &D,
         &D, 0.5, 0.3, &D, 0.1, &D, 0 )
   ..
"OCC-COR-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0, &D, &D, &D, &D, &D, &D, &D, 0.02, &D, &D, &D, 0 )
   ..
"OCC-COR-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0 )
   ..
"OCC-MECH-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1, 0, &D, &D,
         1, 0 )
   ..
"OCC-MECH-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0 )
   ..
"OCC-STO-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1, 0, &D, &D,
         1, 0 )
   ..
"OCC-STO-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0 )
   ..
"LITE-OFC-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
```

```
   VALUES            = ( 0, &D, &D, &D, &D, &D, 0.05, 0.5, 0.9, 1, &D, 0.9,
         0.9, 1, &D, &D, 0.7, 0.1, 0.05, &D, &D, &D, 0 )
   ..
"LITE-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0, &D, &D, &D, &D, &D, &D, &D, 0.1, &D, &D, &D, 0 )
   ..
"LITE-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0 )
   ..
"LITE-CLASS-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0, &D, &D, &D, &D, &D, &D, 0.3, 0.6, 1, &D, 0.7, 0.7,
         1, &D, 0.7, 0.5, 0.3, &D, &D, &D, 0.15, 0 )
   ..
"LITE-CLASS-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0, &D, &D, &D, &D, &D, &D, &D, 0.05, &D, &D, &D, 0 )
   ..
"LITE-CLASS-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0 )
   ..
"LITE-COR-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0.02, &D, &D, &D, &D, 1, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.02 )
   ..
"LITE-COR-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0.02, &D, &D, &D, &D, 1, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.02 )
   ..
"LITE-COR-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0.02, &D, &D, &D, &D, 1, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.02 )
   ..
"LITE-MECH-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0.02, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1, 0, &D,
         &D, 1, 0 )
   ..
"LITE-MECH-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0.02 )
   ..
"LITE-STO-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0.02, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1, 0, &D,
         &D, 1, 0 )
   ..
"LITE-STO-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0.02 )
   ..
```

```
"EQP-OFC-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, 0.5, 1, 1 )
   ..
"EQP-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, 1 )
   ..
"EQP-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, 1, &D, &D, &D, 0.05 )
   ..
"EQP-CLASS-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, 0.5, 1, 1 )
   ..
"EQP-CLASS-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, 1 )
   ..
"EQP-CLASS-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, 1, &D, &D, &D, 0.05 )
   ..
"EQP-COR-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, 0.05, 0.3, 0.5, 1, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, 0.05 )
   ..
"EQP-COR-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, 1, &D, &D, &D, &D,
         0.05 )
   ..
"EQP-COR-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05 )
   ..
"EQP-MECH-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1, 0, &D,
         &D, 1, 0 )
   ..
"EQP-MECH-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05 )
   ..
"EQP-STO-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1, 0, &D,
         &D, 1, 0 )
   ..
"EQP-STO-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.05 )
   ..
"HTG-OFC-WD-SCH" = DAY-SCHEDULE-PD
```

```
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-CLASS-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-CLASS-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-CLASS-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-COR-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-COR-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-COR-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-MECH-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64 )
   ..
"HTG-MECH-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64 )
   ..
"HTG-STO-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64 )
   ..
"HTG-STO-WEH-SCH" = DAY-SCHEDULE-PD
```

```
   TYPE              = TEMPERATURE
   VALUES            = ( 64 )
   ..
"CLG-OFC-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-CLASS-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-CLASS-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-CLASS-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-COR-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-COR-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-COR-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-MECH-WD-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82 )
   ..
"CLG-MECH-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82 )
   ..
"CLG-STO-WD-SCH" = DAY-SCHEDULE-PD
```

```
   TYPE             = TEMPERATURE
   VALUES           = ( 82 )
   ..
"CLG-STO-WEH-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82 )
   ..
"FAN-ALL-ALL-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1 )
   ..
"INF-ALL-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1 )
   ..
"INF-ALL-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1 )
   ..
"INF-ALL-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1 )
   ..
"HTG_AVAIL-ALL-ALL-SCH" = DAY-SCHEDULE-PD
   TYPE             = ON/OFF
   VALUES           = ( 1 )
   ..
"CLG_AVAIL-ALL-ALL-SCH" = DAY-SCHEDULE-PD
   TYPE             = ON/OFF
   VALUES           = ( 1 )
   ..
"OAD-OFC-M_TH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.5, &D, &D, &D, &D, 0.1 )
   ..
"OAD-OFC-FRI-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.1, &D, &D, &D, &D, 0.1 )
   ..
"OAD-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.2, 0.7, 0.9, &D, &D, &D, &D,
         &D, 0.3, &D, &D, &D, 0.1, &D, &D, &D, &D, 0.1 )
   ..
"OAD-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1 )
   ..
"OAD-CLASS-M_TH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.8, &D, &D, &D, &D, 0.1 )
   ..
"OAD-CLASS-FRI-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
```

```
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.5, &D, &D, &D, &D, 0.1 )
   ..
"OAD-CLASS-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.2, 0.7, 0.9, &D, &D, &D, &D,
         &D, 0.3, &D, &D, &D, &D, &D, &D, &D, &D, 0.1 )
   ..
"OAD-CLASS-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, &D, &D, 0.2, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.1 )
   ..
"OAD-COR-M_TH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.8, &D, &D, &D, &D, 0.1 )
   ..
"OAD-COR-FRI-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.3, 0.8, 1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.5, &D, &D, &D, &D, 0.1 )
   ..
"OAD-COR-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.2, 0.7, 0.9, &D, &D, &D, &D,
         &D, 0.3, &D, &D, &D, &D, &D, &D, &D, &D, 0.1 )
   ..
"OAD-COR-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, &D, &D, 0.2, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.1 )
   ..
"OAD-MECH-M_TH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.7, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.1 )
   ..
"OAD-MECH-FRI-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1, &D, &D, &D, &D, 0.7, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, 0.1 )
   ..
"OAD-MECH-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1 )
   ..
"OAD-MECH-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.1 )
   ..
"OAD-STO-M_TH-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0 )
   ..
"OAD-STO-FRI-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
```

```
   VALUES          = ( 0 )
   ..
"OAD-STO-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE            = FRACTION
   VALUES          = ( 0 )
   ..
"OAD-STO-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE            = FRACTION
   VALUES          = ( 0 )
   ..
"LITE-OFC-WD-OCCSEN-SCH" = DAY-SCHEDULE-PD
   TYPE            = FRACTION
   VALUES          = ( 0, &D, &D, &D, &D, &D, 0.05, 0.3, 0.6, 0.7, &D, 0.5,
         &D, 0.7, &D, &D, 0.4, 0.1, 0.05, 0 )
   ..
"LITE-CLASS-WD-OCCSEN-SCH" = DAY-SCHEDULE-PD
   TYPE            = FRACTION
   VALUES          = ( 0, &D, &D, &D, &D, &D, &D, 0.3, 0.5, 0.9, &D, 0.5, &D,
         0.9, &D, 0.5, 0.2, 0.1, 0.05, 0 )
   ..
"FAN-WD-TYP" = DAY-SCHEDULE-PD
   TYPE            = ON/OFF
   VALUES          = ( 0, &D, &D, &D, &D, &D, 1, 1, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0 )
   ..
"FAN-SAT-TYP" = DAY-SCHEDULE-PD
   TYPE            = ON/OFF
   VALUES          = ( 0, &D, &D, &D, &D, &D, &D, 1, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0 )
   ..
"FAN-SUN-TYP" = DAY-SCHEDULE-PD
   TYPE            = ON/OFF
   VALUES          = ( 0, &D, &D, &D, &D, &D, &D, &D, &D, 1, &D, &D, &D, &D,
         &D, &D, &D, 0 )
   ..
"OA-ALL-WD-SCH" = DAY-SCHEDULE-PD
   TYPE            = FRACTION
   VALUES          = ( 0, &D, &D, &D, &D, &D, 0.15, 0.25, 0.75, 1, &D, 0.75,
         &D, 1, &D, &D, 0.4, &D, 0.5, &D, &D, &D, 0 )
   ..
"OA-ALL-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE            = FRACTION
   VALUES          = ( 0, &D, &D, &D, &D, &D, &D, &D, 0.05, &D, &D, &D, 0 )
   ..
"OA-ALL-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE            = FRACTION
   VALUES          = ( 0 )
   ..
"DHW-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE            = FRACTION
   VALUES          = ( 0, &D, &D, &D, &D, &D, &D, &D, 0.05, &D, &D, &D, &D,
         0 )
   ..
"DHW-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE            = FRACTION
   VALUES          = ( 0 )
   ..
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"DHW-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0, &D, &D, &D, &D, &D, &D, 0.15, 0.5, 1, 0.75, 0.5,
         0.5, 1, 0.75, 0.25, &D, 0.1, 0.4, &D, 0.15, 0.05, 0 )
   ..
"MINFLOW-OFC-WD-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, 0.1, 0.2, 0.3, 0.4, &D, &D,
         0.3, 0.4, &D, &D, &D, &D, &D, 0.3, 0.2, 0.1, 0.3, 0.4 )
   ..
"MINFLOW-OFC-SAT-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, 0.1, 0.4, &D, &D, &D,
         &D, &D, &D, 0.1, 0.4 )
   ..
"MINFLOW-OFC-SUN-SCH" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4 )
   ..
"ELE-WD-FLAG" = DAY-SCHEDULE-PD
   TYPE             = FLAG
   VALUES           = ( 1.2, &D, &D, &D, &D, &D, &D, 1.1, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, 1.2 )
   ..
"ELE-WE-FLAG" = DAY-SCHEDULE-PD
   TYPE             = FLAG
   VALUES           = ( 1.2 )
   ..
"HTG_AVAIL-NOT-ALL-SCH" = DAY-SCHEDULE-PD
   TYPE             = ON/OFF
   VALUES           = ( 0 )
   ..
"HTG_AVAIL-TEMP-SCH" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 65 )
   ..
"EXT-LITE-WINTER" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1, &D, &D, &D, &D, &D, &D, &D, 0, &D, &D, &D, &D, &D,
         &D, &D, &D, 1 )
   ..
"EXT-LITE-SWING" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1, &D, &D, &D, &D, &D, 0, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, 1 )
   ..
"EXT-LITE-SUMMER" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1, &D, &D, &D, &D, 0, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, 1 )
   ..
"HTG-OFC-WD-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 67, &D,
         70, &D, &D, &D, 67, &D, 70, &D, 64 )
   ..
"HTG-OFC-SAT-SCH-VAVOCC" = DAY-SCHEDULE-PD
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   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 67, &D,
         70, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-OFC-SUN-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-CLASS-WD-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 64, &D,
         70, &D, &D, &D, 64, &D, 70, &D, 64 )
   ..
"HTG-CLASS-SAT-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 64, &D,
         70, &D, &D, &D, 64, &D, 70, &D, 64 )
   ..
"HTG-CLASS-SUN-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"CLG-OFC-WD-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 78.5, &D,
         75, &D, &D, &D, 78.5, &D, 75, &D, 82 )
   ..
"CLG-OFC-SAT-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 78.5, &D,
         82, &D, &D, &D, 78.5, &D, 82, &D, 82 )
   ..
"CLG-OFC-SUN-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-CLASS-WD-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 82, &D,
         75, &D, &D, &D, 82, &D, 75, &D, 82 )
   ..
"CLG-CLASS-SAT-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 82, &D,
         75, &D, &D, &D, 82, &D, 75, &D, 82 )
   ..
"CLG-CLASS-SUN-SCH-VAVOCC" = DAY-SCHEDULE-PD
   TYPE              = TEMPERATURE
   VALUES            = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"HTG-OFC-WD-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE              = FRACTION
   VALUES            = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
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        0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"HTG-OFC-SAT-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
        0.4, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"HTG-OFC-SUN-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"HTG-CLASS-WD-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
        0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"HTG-CLASS-SAT-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
        0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"HTG-CLASS-SUN-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"CLG-OFC-WD-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
        0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"CLG-OFC-SAT-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
        0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"CLG-OFC-SUN-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"CLG-CLASS-WD-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
        0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"CLG-CLASS-SAT-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
        0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"CLG-CLASS-SUN-SCH-VAVMIN" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
        &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
```

```
"HTG-OFC-WD-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
         67, &D, 70, &D, &D, &D, 67, &D, 64 )
   ..
"HTG-OFC-SAT-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, &D, &D,
         67, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-OFC-SUN-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"HTG-CLASS-WD-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 64, &D,
         70, &D, &D, &D, 64, &D, 70, &D, 64 )
   ..
"HTG-CLASS-SAT-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, 70, &D, &D, &D, &D, &D, 64, &D,
         70, &D, &D, &D, 64, &D, 70, &D, 64 )
   ..
"HTG-CLASS-SUN-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 64, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 64 )
   ..
"CLG-OFC-WD-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         78.5, &D, &D, &D, &D, &D, 78.5, &D, 82 )
   ..
"CLG-OFC-SAT-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, &D, &D,
         78.5, &D, 75, &D, &D, &D, 78.5, &D, 82 )
   ..
"CLG-OFC-SUN-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"CLG-CLASS-WD-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 82, &D,
         75, &D, &D, &D, 82, &D, 75, &D, 82 )
   ..
"CLG-CLASS-SAT-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
   VALUES           = ( 82, &D, &D, &D, &D, 75, &D, &D, &D, &D, &D, 82, &D,
         75, &D, &D, &D, 82, &D, 75, &D, 82 )
   ..
"CLG-CLASS-SUN-SCH-VAVOCC2" = DAY-SCHEDULE-PD
   TYPE             = TEMPERATURE
```

```
   VALUES           = ( 82, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 82 )
   ..
"HTG-OFC-WD-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, &D, &D,
         0.2, &D, 0.4, &D, &D, &D, 0.2, &D, 0.4 )
   ..
"HTG-OFC-SAT-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, &D, &D,
         0.2, &D, 0.4, &D, &D, &D, 0.2, &D, 0.4 )
   ..
"HTG-OFC-SUN-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"HTG-CLASS-WD-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"HTG-CLASS-SAT-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0.2, &D, 0.4, &D, 0.4 )
   ..
"HTG-CLASS-SUN-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"CLG-OFC-WD-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, &D, &D,
         0.2, &D, 0.4, &D, &D, &D, 0.2, &D, 0.4 )
   ..
"CLG-OFC-SAT-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, &D, &D,
         0, &D, 0.4, &D, &D, &D, 0, &D, 0.4 )
   ..
"CLG-OFC-SUN-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.2 )
   ..
"CLG-CLASS-WD-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0, &D, 0.4, &D, 0.4 )
   ..
"CLG-CLASS-SAT-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, 0.4, &D, &D, &D, &D, &D, 0.2, &D,
         0.4, &D, &D, &D, 0, &D, 0.4, &D, 0.4 )
   ..
```

```
"CLG-CLASS-SUN-SCH-VAVMIN2" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 0.4, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D, &D,
         &D, &D, &D, &D, &D, &D, &D, &D, 0.4 )
   ..
"ALL-ON-DAY" = DAY-SCHEDULE-PD
   TYPE             = FRACTION
   VALUES           = ( 1 )
   ..

$ ---------------------------------------------------------
$              Week Schedules
$ ---------------------------------------------------------

"OCC-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-OFC-WD-SCH", &D, &D, &D, &D, "OCC-OFC-SAT-SCH",
         "OCC-OFC-SUN-SCH" )
   ..
"OCC-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-OFC-SUN-SCH" )
   ..
"OCC-CLASS-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-CLASS-WD-SCH", &D, &D, &D, &D,
         "OCC-CLASS-SAT-SCH", "OCC-CLASS-SUN-SCH" )
   ..
"OCC-CLASS-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-CLASS-SUN-SCH" )
   ..
"OCC-COR-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-COR-WD-SCH", &D, &D, &D, &D, "OCC-COR-SAT-SCH",
         "OCC-COR-SUN-SCH" )
   ..
"OCC-COR-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-COR-SUN-SCH" )
   ..
"OCC-MECH-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-MECH-WD-SCH", &D, &D, &D, &D, "OCC-MECH-WEH-SCH" )
   ..
"OCC-MECH-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-MECH-WEH-SCH" )
   ..
"OCC-STO-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-STO-WD-SCH", &D, &D, &D, &D, "OCC-STO-WEH-SCH" )
   ..
"OCC-STO-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OCC-STO-WEH-SCH" )
   ..
```

```
"LITE-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-OFC-WD-SCH", &D, &D, &D, &D, "LITE-OFC-SAT-SCH",
         "LITE-OFC-SUN-SCH" )
   ..
"LITE-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-OFC-SUN-SCH" )
   ..
"LITE-CLASS-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-CLASS-WD-SCH", &D, &D, &D, &D,
         "LITE-CLASS-SAT-SCH", "LITE-CLASS-SUN-SCH" )
   ..
"LITE-CLASS-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-CLASS-SUN-SCH" )
   ..
"LITE-COR-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-COR-WD-SCH", &D, &D, &D, &D, "LITE-COR-SAT-SCH",
         "LITE-COR-SUN-SCH" )
   ..
"LITE-COR-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-COR-SUN-SCH" )
   ..
"LITE-MECH-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-MECH-WD-SCH", &D, &D, &D, &D,
         "LITE-MECH-WEH-SCH" )
   ..
"LITE-MECH-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-MECH-WEH-SCH" )
   ..
"LITE-STO-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-STO-WD-SCH", &D, &D, &D, &D, "LITE-STO-WEH-SCH" )
   ..
"LITE-STO-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-STO-WEH-SCH" )
   ..
"EQP-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-OFC-WD-SCH", &D, &D, &D, &D, "EQP-OFC-SAT-SCH",
         "EQP-OFC-SUN-SCH" )
   ..
"EQP-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-OFC-SUN-SCH" )
   ..
"EQP-CLASS-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-CLASS-WD-SCH", &D, &D, &D, &D,
         "EQP-CLASS-SAT-SCH", "EQP-CLASS-SUN-SCH" )
```

```
   ..
"EQP-CLASS-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-CLASS-SUN-SCH" )
   ..
"EQP-COR-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-COR-WD-SCH", &D, &D, &D, &D, "EQP-COR-SAT-SCH",
         "EQP-COR-SUN-SCH" )
   ..
"EQP-COR-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-COR-SUN-SCH" )
   ..
"EQP-MECH-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-MECH-WD-SCH", &D, &D, &D, &D, "EQP-MECH-WEH-SCH" )
   ..
"EQP-MECH-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-MECH-WEH-SCH" )
   ..
"EQP-STO-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-STO-WD-SCH", &D, &D, &D, &D, "EQP-STO-WEH-SCH" )
   ..
"EQP-STO-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EQP-STO-WEH-SCH" )
   ..
"HTG-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-OFC-WD-SCH", &D, &D, &D, &D, "HTG-OFC-SAT-SCH",
         "HTG-OFC-SUN-SCH" )
   ..
"HTG-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-OFC-SUN-SCH" )
   ..
"HTG-CLASS-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-CLASS-WD-SCH", &D, &D, &D, &D,
         "HTG-CLASS-SAT-SCH", "HTG-CLASS-SUN-SCH" )
   ..
"HTG-CLASS-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-CLASS-SUN-SCH" )
   ..
"HTG-COR-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-COR-WD-SCH", &D, &D, &D, &D, "HTG-COR-SAT-SCH",
         "HTG-COR-SUN-SCH" )
   ..
"HTG-COR-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-COR-SUN-SCH" )
   ..
```

```
"HTG-MECH-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-MECH-WD-SCH", &D, &D, &D, &D, "HTG-MECH-WEH-SCH" )
   ..
"HTG-MECH-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-MECH-WEH-SCH" )
   ..
"HTG-STO-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-STO-WD-SCH", &D, &D, &D, &D, "HTG-STO-WEH-SCH" )
   ..
"HTG-STO-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-STO-WEH-SCH" )
   ..
"CLG-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-OFC-WD-SCH", &D, &D, &D, &D, "CLG-OFC-SAT-SCH",
         "CLG-OFC-SUN-SCH" )
   ..
"CLG-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-OFC-SUN-SCH" )
   ..
"CLG-CLASS-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-CLASS-WD-SCH", &D, &D, &D, &D,
         "CLG-CLASS-SAT-SCH", "CLG-CLASS-SUN-SCH" )
   ..
"CLG-CLASS-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-CLASS-SUN-SCH" )
   ..
"CLG-COR-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-COR-WD-SCH", &D, &D, &D, &D, "CLG-COR-SAT-SCH",
         "CLG-COR-SUN-SCH" )
   ..
"CLG-COR-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-COR-SUN-SCH" )
   ..
"CLG-MECH-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-MECH-WD-SCH", &D, &D, &D, &D, "CLG-MECH-WEH-SCH" )
   ..
"CLG-MECH-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-MECH-WEH-SCH" )
   ..
"CLG-STO-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-STO-WD-SCH", &D, &D, &D, &D, "CLG-STO-WEH-SCH" )
   ..
"CLG-STO-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
```

```
   DAY-SCHEDULES    = ( "CLG-STO-WEH-SCH" )
   ..
"FAN-ALL-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "FAN-ALL-ALL-SCH" )
   ..
"INF-ALL-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "INF-ALL-WD-SCH", &D, &D, &D, "INF-ALL-SAT-SCH",
         "INF-ALL-SUN-SCH" )
   ..
"HTG_AVAIL-ALL-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = ON/OFF
   DAY-SCHEDULES    = ( "HTG_AVAIL-ALL-ALL-SCH" )
   ..
"CLG_AVAIL-ALL-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = ON/OFF
   DAY-SCHEDULES    = ( "CLG_AVAIL-ALL-ALL-SCH" )
   ..
"OAD-OFC-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OAD-OFC-M_TH-SCH", &D, &D, &D, "OAD-OFC-FRI-SCH",
         "OAD-OFC-SAT-SCH", "OAD-OFC-SUN-SCH" )
   ..
"OAD-CLASS-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OAD-CLASS-M_TH-SCH", &D, &D, &D, "OAD-CLASS-FRI-SCH",
         "OAD-CLASS-SAT-SCH", "OAD-CLASS-SUN-SCH" )
   ..
"OAD-COR-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OAD-COR-M_TH-SCH", &D, &D, &D, "OAD-COR-FRI-SCH",
         "OAD-COR-SAT-SCH", "OAD-COR-SUN-SCH" )
   ..
"OAD-MECH-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OAD-MECH-M_TH-SCH", &D, &D, &D, "OAD-MECH-FRI-SCH",
         "OAD-MECH-SAT-SCH", "OAD-MECH-SUN-SCH" )
   ..
"OAD-STO-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OAD-STO-M_TH-SCH", &D, &D, &D, "OAD-STO-FRI-SCH",
         "OAD-STO-SAT-SCH", "OAD-STO-SUN-SCH" )
   ..
"LITE-OFC-TYP-OCCSEN-WK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-OFC-WD-OCCSEN-SCH", &D, &D, &D, &D,
         "LITE-OFC-SAT-SCH", "LITE-OFC-SUN-SCH" )
   ..
"LITE-CLASS-TYP-OCCSEN-WK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "LITE-CLASS-WD-OCCSEN-SCH", &D, &D, &D, &D,
         "LITE-CLASS-SAT-SCH", "LITE-CLASS-SUN-SCH" )
   ..
"FAN-WK-TYP" = WEEK-SCHEDULE-PD
   TYPE             = ON/OFF
   DAY-SCHEDULES    = ( "FAN-WD-TYP", &D, &D, &D, &D, "FAN-SAT-TYP",
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         "FAN-SUN-TYP" )
   ..
"OA-ALL-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OA-ALL-WD-SCH", &D, &D, &D, &D, "OA-ALL-SAT-SCH",
         "OA-ALL-SUN-SCH" )
   ..
"OA-ALL-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "OA-ALL-SUN-SCH", &D, &D, &D, &D, "OA-ALL-SUN-SCH",
         "OA-ALL-SUN-SCH" )
   ..
"DHW-WK-SCH" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "DHW-WD-SCH", &D, &D, &D, &D, "DHW-SAT-SCH",
         "DHW-SUN-SCH" )
   ..
"MINFLOW-OFC-TYP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "MINFLOW-OFC-WD-SCH", &D, &D, &D, &D,
         "MINFLOW-OFC-SAT-SCH" )
   ..
"MINFLOW-OFC-VAC-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "MINFLOW-OFC-SUN-SCH", &D, &D, &D, &D,
         "MINFLOW-OFC-SUN-SCH" )
   ..
"ELE-WK-FLAG" = WEEK-SCHEDULE-PD
   TYPE             = FLAG
   DAY-SCHEDULES    = ( "ELE-WD-FLAG", &D, &D, &D, &D, "ELE-WE-FLAG" )
   ..
"HTG-AVAIL-NOT-ALL-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = ON/OFF
   DAY-SCHEDULES    = ( "HTG_AVAIL-NOT-ALL-SCH" )
   ..
"HTG_AVAIL-TEMP-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG_AVAIL-TEMP-SCH", &D, &D, &D, &D,
         "HTG_AVAIL-TEMP-SCH" )
   ..
"EXT-LITE-WIN-WK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EXT-LITE-WINTER", &D, &D, &D, &D, "EXT-LITE-WINTER" )
   ..
"EXT-LITE-SWING-WK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EXT-LITE-SWING", &D, &D, &D, &D, "EXT-LITE-SWING" )
   ..
"EXT-LITE-SUM-WK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "EXT-LITE-SUMMER", &D, &D, &D, &D, "EXT-LITE-SUMMER" )
   ..
"HTG-OFC-TYP-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-OFC-WD-SCH-VAVOCC", &D, &D, &D, &D,
         "HTG-OFC-SAT-SCH-VAVOCC", "HTG-OFC-SUN-SCH-VAVOCC" )
   ..
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"HTG-OFC-VAC-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-OFC-SUN-SCH-VAVOCC" )
   ..
"HTG-CLASS-TYP-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-CLASS-WD-SCH-VAVOCC", &D, &D, &D, &D,
         "HTG-CLASS-SAT-SCH-VAVOCC", "HTG-CLASS-SUN-SCH-VAVOCC" )
   ..
"HTG-CLASS-VAC-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "HTG-CLASS-SUN-SCH-VAVOCC" )
   ..
"CLG-OFC-TYP-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "CLG-OFC-WD-SCH-VAVOCC", &D, &D, &D, &D,
         "CLG-OFC-SAT-SCH-VAVOCC", "CLG-OFC-SUN-SCH-VAVOCC" )
   ..
"CLG-OFC-VAC-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "CLG-OFC-SUN-SCH-VAVOCC" )
   ..
"CLG-CLASS-TYP-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "CLG-CLASS-WD-SCH-VAVOCC", &D, &D, &D, &D,
         "CLG-CLASS-SAT-SCH-VAVOCC", "CLG-CLASS-SUN-SCH-VAVOCC" )
   ..
"CLG-CLASS-VAC-WEEK-VAVOCC" = WEEK-SCHEDULE-PD
   TYPE              = TEMPERATURE
   DAY-SCHEDULES     = ( "CLG-CLASS-SUN-SCH-VAVOCC" )
   ..
"HTG-OFC-TYP-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "HTG-OFC-WD-SCH-VAVMIN", &D, &D, &D, &D,
         "HTG-OFC-SAT-SCH-VAVMIN", "HTG-OFC-SUN-SCH-VAVMIN" )
   ..
"HTG-OFC-VAC-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "HTG-OFC-SUN-SCH-VAVMIN" )
   ..
"HTG-CLASS-TYP-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "HTG-CLASS-WD-SCH-VAVMIN", &D, &D, &D, &D,
         "HTG-CLASS-SAT-SCH-VAVMIN", "HTG-CLASS-SUN-SCH-VAVMIN" )
   ..
"HTG-CLASS-VAC-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "HTG-CLASS-SUN-SCH-VAVMIN" )
   ..
"CLG-OFC-TYP-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "CLG-OFC-WD-SCH-VAVMIN", &D, &D, &D, &D,
         "CLG-OFC-SAT-SCH-VAVMIN", "CLG-OFC-SUN-SCH-VAVMIN" )
   ..
"CLG-OFC-VAC-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE              = FRACTION
   DAY-SCHEDULES     = ( "CLG-OFC-SUN-SCH-VAVMIN" )
```

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   ..
"CLG-CLASS-TYP-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-CLASS-WD-SCH-VAVMIN", &D, &D, &D, &D,
         "CLG-CLASS-SAT-SCH-VAVMIN", "CLG-CLASS-SUN-SCH-VAVMIN" )
   ..
"CLG-CLASS-VAC-WEEK-VAVMIN" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-CLASS-SUN-SCH-VAVMIN" )
   ..
"HTG-OFC-TYP-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-OFC-WD-SCH-VAVOCC2", &D, &D, &D, &D,
         "HTG-OFC-SAT-SCH-VAVOCC2", "HTG-OFC-SUN-SCH-VAVOCC2" )
   ..
"HTG-OFC-VAC-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-OFC-SUN-SCH-VAVOCC2" )
   ..
"HTG-CLASS-TYP-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-CLASS-WD-SCH-VAVOCC2", &D, &D, &D, &D,
         "HTG-CLASS-SAT-SCH-VAVOCC2", "HTG-CLASS-SUN-SCH-VAVOCC2" )
   ..
"HTG-CLASS-VAC-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "HTG-CLASS-SUN-SCH-VAVOCC2" )
   ..
"CLG-OFC-TYP-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-OFC-WD-SCH-VAVOCC2", &D, &D, &D, &D,
         "CLG-OFC-SAT-SCH-VAVOCC2", "CLG-OFC-SUN-SCH-VAVOCC2" )
   ..
"CLG-OFC-VAC-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-OFC-SUN-SCH-VAVOCC2" )
   ..
"CLG-CLASS-TYP-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-CLASS-WD-SCH-VAVOCC2", &D, &D, &D, &D,
         "CLG-CLASS-SAT-SCH-VAVOCC2", "CLG-CLASS-SUN-SCH-VAVOCC2" )
   ..
"CLG-CLASS-VAC-WEEK-VAVOCC2" = WEEK-SCHEDULE-PD
   TYPE             = TEMPERATURE
   DAY-SCHEDULES    = ( "CLG-CLASS-SUN-SCH-VAVOCC2" )
   ..
"HTG-OFC-TYP-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "HTG-OFC-WD-SCH-VAVMIN2", &D, &D, &D, &D,
         "HTG-OFC-SAT-SCH-VAVMIN2", "HTG-OFC-SUN-SCH-VAVMIN2" )
   ..
"HTG-OFC-VAC-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "HTG-OFC-SUN-SCH-VAVMIN2" )
   ..
"HTG-CLASS-TYP-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
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   DAY-SCHEDULES    = ( "HTG-CLASS-WD-SCH-VAVMIN2", &D, &D, &D, &D,
         "HTG-CLASS-SAT-SCH-VAVMIN2", "HTG-CLASS-SUN-SCH-VAVMIN2" )
   ..
"HTG-CLASS-VAC-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "HTG-CLASS-SUN-SCH-VAVMIN2" )
   ..
"CLG-OFC-TYP-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-OFC-WD-SCH-VAVMIN2", &D, &D, &D, &D,
         "CLG-OFC-SAT-SCH-VAVMIN2", "CLG-OFC-SUN-SCH-VAVMIN2" )
   ..
"CLG-OFC-VAC-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-OFC-SUN-SCH-VAVMIN2" )
   ..
"CLG-CLASS-TYP-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-CLASS-WD-SCH-VAVMIN2", &D, &D, &D, &D,
         "CLG-CLASS-SAT-SCH-VAVMIN2", "CLG-CLASS-SUN-SCH-VAVMIN2" )
   ..
"CLG-CLASS-VAC-WEEK-VAVMIN2" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "CLG-CLASS-SUN-SCH-VAVMIN2" )
   ..
"ALL-ON-WEEK" = WEEK-SCHEDULE-PD
   TYPE             = FRACTION
   DAY-SCHEDULES    = ( "ALL-ON-DAY", &D, &D, &D, &D, "ALL-ON-DAY" )
   ..

$ ---------------------------------------------------------
$              Annual Schedules
$ ---------------------------------------------------------

"OCC-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 21, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK",
         "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK",
         "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK",
         "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK",
         "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK" )
   ..
"OCC-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "OCC-CLASS-VAC-WEEK", "OCC-CLASS-TYP-WEEK",
         "OCC-CLASS-VAC-WEEK", "OCC-CLASS-TYP-WEEK", "OCC-CLASS-VAC-WEEK",
         "OCC-CLASS-TYP-WEEK", "OCC-CLASS-VAC-WEEK", "OCC-CLASS-TYP-WEEK",
         "OCC-CLASS-VAC-WEEK", "OCC-CLASS-TYP-WEEK", "OCC-CLASS-VAC-WEEK",
         "OCC-CLASS-TYP-WEEK", "OCC-CLASS-VAC-WEEK" )
   ..
"OCC-COR-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
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   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "OCC-COR-VAC-WEEK", "OCC-COR-TYP-WEEK",
         "OCC-COR-VAC-WEEK", "OCC-COR-TYP-WEEK", "OCC-COR-VAC-WEEK",
         "OCC-COR-TYP-WEEK", "OCC-COR-VAC-WEEK", "OCC-COR-TYP-WEEK",
         "OCC-COR-VAC-WEEK", "OCC-COR-TYP-WEEK", "OCC-COR-VAC-WEEK",
         "OCC-COR-TYP-WEEK", "OCC-COR-VAC-WEEK" )
   ..
"OCC-MECH-ANNUAL" = SCHEDULE-PD
   TYPE              = FRACTION
   MONTH             = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "OCC-MECH-VAC-WEEK", "OCC-MECH-TYP-WEEK",
         "OCC-MECH-VAC-WEEK", "OCC-MECH-TYP-WEEK", "OCC-MECH-VAC-WEEK",
         "OCC-MECH-TYP-WEEK", "OCC-MECH-VAC-WEEK", "OCC-MECH-TYP-WEEK",
         "OCC-MECH-VAC-WEEK", "OCC-MECH-TYP-WEEK", "OCC-MECH-VAC-WEEK",
         "OCC-MECH-TYP-WEEK", "OCC-MECH-VAC-WEEK" )
   ..
"OCC-STO-ANNUAL" = SCHEDULE-PD
   TYPE              = FRACTION
   MONTH             = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "OCC-STO-VAC-WEEK", "OCC-STO-TYP-WEEK",
         "OCC-STO-VAC-WEEK", "OCC-STO-TYP-WEEK", "OCC-STO-VAC-WEEK",
         "OCC-STO-TYP-WEEK", "OCC-STO-VAC-WEEK", "OCC-STO-TYP-WEEK",
         "OCC-STO-VAC-WEEK", "OCC-STO-TYP-WEEK", "OCC-STO-VAC-WEEK",
         "OCC-STO-TYP-WEEK", "OCC-STO-VAC-WEEK" )
   ..
"LITE-OFC-ANNUAL" = SCHEDULE-PD
   TYPE              = FRACTION
   MONTH             = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK",
         "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK",
         "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK",
         "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK",
         "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK" )
   ..
"LITE-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE              = FRACTION
   MONTH             = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK",
         "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK",
         "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK",
         "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK",
         "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK", "LITE-CLASS-VAC-WEEK" )
   ..
"LITE-COR-ANNUAL" = SCHEDULE-PD
   TYPE              = FRACTION
   MONTH             = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY               = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "LITE-COR-VAC-WEEK", "LITE-COR-TYP-WEEK",
         "LITE-COR-VAC-WEEK", "LITE-COR-TYP-WEEK", "LITE-COR-VAC-WEEK",
         "LITE-COR-TYP-WEEK", "LITE-COR-VAC-WEEK", "LITE-COR-TYP-WEEK",
         "LITE-COR-VAC-WEEK", "LITE-COR-TYP-WEEK", "LITE-COR-VAC-WEEK",
         "LITE-COR-TYP-WEEK", "LITE-COR-VAC-WEEK" )
   ..
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"LITE-MECH-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "LITE-MECH-VAC-WEEK", "LITE-MECH-TYP-WEEK",
         "LITE-MECH-VAC-WEEK", "LITE-MECH-TYP-WEEK", "LITE-MECH-VAC-WEEK",
         "LITE-MECH-TYP-WEEK", "LITE-MECH-VAC-WEEK", "LITE-MECH-TYP-WEEK",
         "LITE-MECH-VAC-WEEK", "LITE-MECH-TYP-WEEK", "LITE-MECH-VAC-WEEK",
         "LITE-MECH-TYP-WEEK", "LITE-MECH-VAC-WEEK" )
   ..
"LITE-STO-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "LITE-STO-VAC-WEEK", "LITE-STO-TYP-WEEK",
         "LITE-STO-VAC-WEEK", "LITE-STO-TYP-WEEK", "LITE-STO-VAC-WEEK",
         "LITE-STO-TYP-WEEK", "LITE-STO-VAC-WEEK", "LITE-STO-TYP-WEEK",
         "LITE-STO-VAC-WEEK", "LITE-STO-TYP-WEEK", "LITE-STO-VAC-WEEK",
         "LITE-STO-TYP-WEEK", "LITE-STO-VAC-WEEK" )
   ..
"EQP-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "EQP-OFC-VAC-WEEK", "EQP-OFC-TYP-WEEK",
         "EQP-OFC-VAC-WEEK", "EQP-OFC-TYP-WEEK", "EQP-OFC-VAC-WEEK",
         "EQP-OFC-TYP-WEEK", "EQP-OFC-VAC-WEEK", "EQP-OFC-TYP-WEEK",
         "EQP-OFC-VAC-WEEK", "EQP-OFC-TYP-WEEK", "EQP-OFC-VAC-WEEK",
         "EQP-OFC-TYP-WEEK", "EQP-OFC-VAC-WEEK" )
   ..
"EQP-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "EQP-CLASS-VAC-WEEK", "EQP-CLASS-TYP-WEEK",
         "EQP-CLASS-VAC-WEEK", "EQP-CLASS-TYP-WEEK", "EQP-CLASS-VAC-WEEK",
         "EQP-CLASS-TYP-WEEK", "EQP-CLASS-VAC-WEEK", "EQP-CLASS-TYP-WEEK",
         "EQP-CLASS-VAC-WEEK", "EQP-CLASS-TYP-WEEK", "EQP-CLASS-VAC-WEEK",
         "EQP-CLASS-TYP-WEEK", "EQP-CLASS-VAC-WEEK" )
   ..
"EQP-COR-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "EQP-COR-VAC-WEEK", "EQP-COR-TYP-WEEK",
         "EQP-COR-VAC-WEEK", "EQP-COR-TYP-WEEK", "EQP-COR-VAC-WEEK",
         "EQP-COR-TYP-WEEK", "EQP-COR-VAC-WEEK", "EQP-COR-TYP-WEEK",
         "EQP-COR-VAC-WEEK", "EQP-COR-TYP-WEEK", "EQP-COR-VAC-WEEK",
         "EQP-COR-TYP-WEEK", "EQP-COR-VAC-WEEK" )
   ..
"EQP-MECH-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "EQP-MECH-VAC-WEEK", "EQP-MECH-TYP-WEEK",
         "EQP-MECH-VAC-WEEK", "EQP-MECH-TYP-WEEK", "EQP-MECH-VAC-WEEK",
         "EQP-MECH-TYP-WEEK", "EQP-MECH-VAC-WEEK", "EQP-MECH-TYP-WEEK",
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        "EQP-MECH-VAC-WEEK", "EQP-MECH-TYP-WEEK", "EQP-MECH-VAC-WEEK",
        "EQP-MECH-TYP-WEEK", "EQP-MECH-VAC-WEEK" )
   ..
"EQP-STO-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "EQP-STO-VAC-WEEK", "EQP-STO-TYP-WEEK",
        "EQP-STO-VAC-WEEK", "EQP-STO-TYP-WEEK", "EQP-STO-VAC-WEEK",
        "EQP-STO-TYP-WEEK", "EQP-STO-VAC-WEEK", "EQP-STO-TYP-WEEK",
        "EQP-STO-VAC-WEEK", "EQP-STO-TYP-WEEK", "EQP-STO-VAC-WEEK",
        "EQP-STO-TYP-WEEK", "EQP-STO-VAC-WEEK" )
   ..
"HTG-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-OFC-VAC-WEEK", "HTG-OFC-TYP-WEEK",
        "HTG-OFC-VAC-WEEK", "HTG-OFC-TYP-WEEK", "HTG-OFC-VAC-WEEK",
        "HTG-OFC-TYP-WEEK", "HTG-OFC-VAC-WEEK", "HTG-OFC-TYP-WEEK",
        "HTG-OFC-VAC-WEEK", "HTG-OFC-TYP-WEEK", "HTG-OFC-VAC-WEEK",
        "HTG-OFC-TYP-WEEK", "HTG-OFC-VAC-WEEK" )
   ..
"HTG-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-CLASS-VAC-WEEK", "HTG-CLASS-TYP-WEEK",
        "HTG-CLASS-VAC-WEEK", "HTG-CLASS-TYP-WEEK", "HTG-CLASS-VAC-WEEK",
        "HTG-CLASS-TYP-WEEK", "HTG-CLASS-VAC-WEEK", "HTG-CLASS-TYP-WEEK",
        "HTG-CLASS-VAC-WEEK", "HTG-CLASS-TYP-WEEK", "HTG-CLASS-VAC-WEEK",
        "HTG-CLASS-TYP-WEEK", "HTG-CLASS-VAC-WEEK" )
   ..
"HTG-COR-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-COR-VAC-WEEK", "HTG-COR-TYP-WEEK",
        "HTG-COR-VAC-WEEK", "HTG-COR-TYP-WEEK", "HTG-COR-VAC-WEEK",
        "HTG-COR-TYP-WEEK", "HTG-COR-VAC-WEEK", "HTG-COR-TYP-WEEK",
        "HTG-COR-VAC-WEEK", "HTG-COR-TYP-WEEK", "HTG-COR-VAC-WEEK",
        "HTG-COR-TYP-WEEK", "HTG-COR-VAC-WEEK" )
   ..
"HTG-MECH-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-MECH-VAC-WEEK", "HTG-MECH-TYP-WEEK",
        "HTG-MECH-VAC-WEEK", "HTG-MECH-TYP-WEEK", "HTG-MECH-VAC-WEEK",
        "HTG-MECH-TYP-WEEK", "HTG-MECH-VAC-WEEK", "HTG-MECH-TYP-WEEK",
        "HTG-MECH-VAC-WEEK", "HTG-MECH-TYP-WEEK", "HTG-MECH-VAC-WEEK",
        "HTG-MECH-TYP-WEEK", "HTG-MECH-VAC-WEEK" )
   ..
"HTG-STO-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
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   WEEK-SCHEDULES   = ( "HTG-STO-VAC-WEEK", "HTG-STO-TYP-WEEK",
         "HTG-STO-VAC-WEEK", "HTG-STO-TYP-WEEK", "HTG-STO-VAC-WEEK",
         "HTG-STO-TYP-WEEK", "HTG-STO-VAC-WEEK", "HTG-STO-TYP-WEEK",
         "HTG-STO-VAC-WEEK", "HTG-STO-TYP-WEEK", "HTG-STO-VAC-WEEK",
         "HTG-STO-TYP-WEEK", "HTG-STO-VAC-WEEK" )
   ..
"CLG-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-OFC-VAC-WEEK", "CLG-OFC-TYP-WEEK",
         "CLG-OFC-VAC-WEEK", "CLG-OFC-TYP-WEEK", "CLG-OFC-VAC-WEEK",
         "CLG-OFC-TYP-WEEK", "CLG-OFC-VAC-WEEK", "CLG-OFC-TYP-WEEK",
         "CLG-OFC-VAC-WEEK", "CLG-OFC-TYP-WEEK", "CLG-OFC-VAC-WEEK",
         "CLG-OFC-TYP-WEEK", "CLG-OFC-VAC-WEEK" )
   ..
"CLG-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-CLASS-VAC-WEEK", "CLG-CLASS-TYP-WEEK",
         "CLG-CLASS-VAC-WEEK", "CLG-CLASS-TYP-WEEK", "CLG-CLASS-VAC-WEEK",
         "CLG-CLASS-TYP-WEEK", "CLG-CLASS-VAC-WEEK", "CLG-CLASS-TYP-WEEK",
         "CLG-CLASS-VAC-WEEK", "CLG-CLASS-TYP-WEEK", "CLG-CLASS-VAC-WEEK",
         "CLG-CLASS-TYP-WEEK", "CLG-CLASS-VAC-WEEK" )
   ..
"CLG-COR-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-COR-VAC-WEEK", "CLG-COR-TYP-WEEK",
         "CLG-COR-VAC-WEEK", "CLG-COR-TYP-WEEK", "CLG-COR-VAC-WEEK",
         "CLG-COR-TYP-WEEK", "CLG-COR-VAC-WEEK", "CLG-COR-TYP-WEEK",
         "CLG-COR-VAC-WEEK", "CLG-COR-TYP-WEEK", "CLG-COR-VAC-WEEK",
         "CLG-COR-TYP-WEEK", "CLG-COR-VAC-WEEK" )
   ..
"CLG-MECH-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-MECH-VAC-WEEK", "CLG-MECH-TYP-WEEK",
         "CLG-MECH-VAC-WEEK", "CLG-MECH-TYP-WEEK", "CLG-MECH-VAC-WEEK",
         "CLG-MECH-TYP-WEEK", "CLG-MECH-VAC-WEEK", "CLG-MECH-TYP-WEEK",
         "CLG-MECH-VAC-WEEK", "CLG-MECH-TYP-WEEK", "CLG-MECH-VAC-WEEK",
         "CLG-MECH-TYP-WEEK", "CLG-MECH-VAC-WEEK" )
   ..
"CLG-STO-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-STO-VAC-WEEK", "CLG-STO-TYP-WEEK",
         "CLG-STO-VAC-WEEK", "CLG-STO-TYP-WEEK", "CLG-STO-VAC-WEEK",
         "CLG-STO-TYP-WEEK", "CLG-STO-VAC-WEEK", "CLG-STO-TYP-WEEK",
         "CLG-STO-VAC-WEEK", "CLG-STO-TYP-WEEK", "CLG-STO-VAC-WEEK",
         "CLG-STO-TYP-WEEK", "CLG-STO-VAC-WEEK" )
   ..
"FAN-ALL-ANNUAL" = SCHEDULE-PD
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   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "FAN-ALL-ALL-WEEK" )
   ..
"INF-ALL-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "INF-ALL-ALL-WEEK" )
   ..
"HTG_AVAIL-ALL-ANNUAL" = SCHEDULE-PD
   TYPE             = ON/OFF
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "HTG_AVAIL-ALL-ALL-WEEK" )
   ..
"CLG_AVAIL-ALL-ANNUAL" = SCHEDULE-PD
   TYPE             = ON/OFF
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "CLG_AVAIL-ALL-ALL-WEEK" )
   ..
"OAD-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "OAD-OFC-ALL-WEEK" )
   ..
"OAD-CLASS-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "OAD-CLASS-ALL-WEEK" )
   ..
"OAD-COR-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "OAD-COR-ALL-WEEK" )
   ..
"OAD-MECH-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "OAD-MECH-ALL-WEEK" )
   ..
"OAD-STO-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "OAD-STO-ALL-WEEK" )
   ..
"LITE-OFC-OCCSEN-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
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   WEEK-SCHEDULES   = ( "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-OCCSEN-WK",
         "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK",
         "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK",
         "LITE-OFC-VAC-WEEK", "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK",
         "LITE-OFC-TYP-WEEK", "LITE-OFC-VAC-WEEK" )
   ..
"LITE-CLASS-OCCSEN-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-OCCSEN-WK",
         "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK",
         "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK",
         "LITE-CLASS-VAC-WEEK", "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK",
         "LITE-CLASS-TYP-WEEK", "LITE-CLASS-VAC-WEEK" )
   ..
"FAN-SCH-ANNUAL" = SCHEDULE-PD
   TYPE             = ON/OFF
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "FAN-WK-TYP" )
   ..
"OA-ALL-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "OA-ALL-VAC-WEEK", "OA-ALL-TYP-WEEK",
         "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK",
         "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK",
         "OCC-OFC-VAC-WEEK", "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK",
         "OCC-OFC-TYP-WEEK", "OCC-OFC-VAC-WEEK" )
   ..
"DHW-SCH" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "DHW-WK-SCH" )
   ..
"MINFLOW-OFC-ANNUAL" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 21, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK", "MINFLOW-OFC-TYP-WEEK",
         "MINFLOW-OFC-VAC-WEEK" )
   ..
"ELE-SCH-FLAG" = SCHEDULE-PD
   TYPE             = FLAG
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "ELE-WK-FLAG" )
   ..
"HTG_AVAIL-NOT-ALL-ANNUAL" = SCHEDULE-PD
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   TYPE             = ON/OFF
   MONTH            = ( 6, 9, 12 )
   DAY              = ( 15, 15, 31 )
   WEEK-SCHEDULES   = ( "HTG_AVAIL-ALL-ALL-WEEK", "HTG-AVAIL-NOT-ALL-WEEK",
         "HTG_AVAIL-ALL-ALL-WEEK" )
   ..
"HTG_AVAIL-TEMP-ANNUAL" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "HTG_AVAIL-TEMP-WEEK" )
   ..
"EXT-LIGHTS-SCH" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 2, 5, 8, 10, 12 )
   DAY              = ( 28, 31, 31, 31, 31 )
   WEEK-SCHEDULES   = ( "EXT-LITE-WIN-WK", "EXT-LITE-SWING-WK",
         "EXT-LITE-SUM-WK", "EXT-LITE-SWING-WK", "EXT-LITE-WIN-WK" )
   ..
"HTG-OFC-ANNUAL-VAVOCC" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC", "HTG-OFC-TYP-WEEK-VAVOCC",
         "HTG-OFC-VAC-WEEK-VAVOCC" )
   ..
"HTG-CLASS-ANNUAL-VAVOCC" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC",
         "HTG-CLASS-TYP-WEEK-VAVOCC", "HTG-CLASS-VAC-WEEK-VAVOCC" )
   ..
"CLG-OFC-ANNUAL-VAVOCC" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC", "CLG-OFC-TYP-WEEK-VAVOCC",
         "CLG-OFC-VAC-WEEK-VAVOCC" )
   ..
"CLG-CLASS-ANNUAL-VAVOCC" = SCHEDULE-PD
   TYPE             = TEMPERATURE
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   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC",
         "CLG-CLASS-TYP-WEEK-VAVOCC", "CLG-CLASS-VAC-WEEK-VAVOCC" )
   ..
"HTG-OFC-ANNUAL-VAVMIN" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN", "HTG-OFC-TYP-WEEK-VAVMIN",
         "HTG-OFC-VAC-WEEK-VAVMIN" )
   ..
"HTG-CLASS-ANNUAL-VAVMIN" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN",
         "HTG-CLASS-TYP-WEEK-VAVMIN", "HTG-CLASS-VAC-WEEK-VAVMIN" )
   ..
"CLG-OFC-ANNUAL-VAVMIN" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN", "CLG-OFC-TYP-WEEK-VAVMIN",
         "CLG-OFC-VAC-WEEK-VAVMIN" )
   ..
"CLG-CLASS-ANNUAL-VAVMIN" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN",
         "CLG-CLASS-TYP-WEEK-VAVMIN", "CLG-CLASS-VAC-WEEK-VAVMIN" )
```

```
   ..
"HTG-OFC-ANNUAL-VAVOCC2" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-OFC-VAC-WEEK-VAVOCC2",
         "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2",
         "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2",
         "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2",
         "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2",
         "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2",
         "HTG-OFC-TYP-WEEK-VAVOCC2", "HTG-OFC-VAC-WEEK-VAVOCC2" )
   ..
"HTG-CLASS-ANNUAL-VAVOCC2" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-CLASS-VAC-WEEK-VAVOCC2",
         "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2",
         "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2",
         "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2",
         "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2",
         "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2",
         "HTG-CLASS-TYP-WEEK-VAVOCC2", "HTG-CLASS-VAC-WEEK-VAVOCC2" )
   ..
"CLG-OFC-ANNUAL-VAVOCC2" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-OFC-VAC-WEEK-VAVOCC2",
         "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2",
         "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2",
         "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2",
         "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2",
         "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2",
         "CLG-OFC-TYP-WEEK-VAVOCC2", "CLG-OFC-VAC-WEEK-VAVOCC2" )
   ..
"CLG-CLASS-ANNUAL-VAVOCC2" = SCHEDULE-PD
   TYPE             = TEMPERATURE
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-CLASS-VAC-WEEK-VAVOCC2",
         "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2",
         "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2",
         "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2",
         "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2",
         "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2",
         "CLG-CLASS-TYP-WEEK-VAVOCC2", "CLG-CLASS-VAC-WEEK-VAVOCC2" )
   ..
"HTG-OFC-ANNUAL-VAVMIN2" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-OFC-VAC-WEEK-VAVMIN2",
         "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2",
         "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2",
         "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2",
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        "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2",
        "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2",
        "HTG-OFC-TYP-WEEK-VAVMIN2", "HTG-OFC-VAC-WEEK-VAVMIN2" )
   ..
"HTG-CLASS-ANNUAL-VAVMIN2" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "HTG-CLASS-VAC-WEEK-VAVMIN2",
        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2",
        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2",
        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2",
        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2",
        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2",
        "HTG-CLASS-TYP-WEEK-VAVMIN2", "HTG-CLASS-VAC-WEEK-VAVMIN2" )
   ..
"CLG-OFC-ANNUAL-VAVMIN2" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2",
        "CLG-OFC-TYP-WEEK-VAVMIN2", "CLG-OFC-VAC-WEEK-VAVMIN2" )
   ..
"CLG-CLASS-ANNUAL-VAVMIN2" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 1, 2, 2, 4, 4, 5, 5, 6, 7, 8, 9, 12, 12 )
   DAY              = ( 22, 18, 25, 7, 15, 18, 28, 29, 8, 10, 3, 25, 31 )
   WEEK-SCHEDULES   = ( "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2",
        "CLG-CLASS-TYP-WEEK-VAVMIN2", "CLG-CLASS-VAC-WEEK-VAVMIN2" )
   ..
"ALL-ON-SCH" = SCHEDULE-PD
   TYPE             = FRACTION
   MONTH            = ( 12 )
   DAY              = ( 31 )
   WEEK-SCHEDULES   = ( "ALL-ON-WEEK" )
   ..


$ ---------------------------------------------------------
$              Polygons
$ ---------------------------------------------------------

"Floor-1-XY" = POLYGON
   V1               = ( 0, 0 )
   V2               = ( 13, 0 )
   V3               = ( 13, -4 )
   V4               = ( 33, -4 )
```

```
      V5                  = ( 33, 0 )
      V6                  = ( 116, 0 )
      V7                  = ( 116, 99 )
      V8                  = ( 102, 99 )
      V9                  = ( 102, 105 )
      V10                 = ( 12, 105 )
      V11                 = ( 12, 35 )
      V12                 = ( 0, 35 )
      ..
   "Z01-191-COR-XY" = POLYGON
      V1                  = ( 0, 0 )
      V2                  = ( 13, 0 )
      V3                  = ( 13, -4 )
      V4                  = ( 17, -4 )
      V5                  = ( 29, -4 )
      V6                  = ( 33, -4 )
      V7                  = ( 33, 22 )
      V8                  = ( 22, 22 )
      V9                  = ( 22, 105 )
      V10                 = ( 20, 105 )
      V11                 = ( 15, 105 )
      V12                 = ( 12, 105 )
      V13                 = ( 12, 50 )
      V14                 = ( 12, 47 )
      V15                 = ( 12, 45 )
      V16                 = ( 12, 42 )
      V17                 = ( 12, 40 )
      V18                 = ( 12, 37 )
      V19                 = ( 12, 35 )
      V20                 = ( 0, 35 )
      V21                 = ( 0, 25 )
      V22                 = ( 0, 22 )
      ..
   "Z02-195-RR-XY" = POLYGON
      V1                  = ( 22, 92 )
      V2                  = ( 47, 92 )
      V3                  = ( 47, 105 )
      V4                  = ( 22, 105 )
      ..
   "Z03-199-STO-XY" = POLYGON
      V1                  = ( 54, 92 )
      V2                  = ( 91, 92 )
      V3                  = ( 91, 105 )
      V4                  = ( 54, 105 )
      ..
   "Z04-191-COR-XY" = POLYGON
      V1                  = ( 33, 14 )
      V2                  = ( 102, 14 )
      V3                  = ( 102, 91 )
      V4                  = ( 116, 91 )
      V5                  = ( 116, 99 )
      V6                  = ( 102, 99 )
      V7                  = ( 102, 105 )
      V8                  = ( 91, 105 )
      V9                  = ( 91, 92 )
      V10                 = ( 22, 92 )
      V11                 = ( 22, 84 )
```

```
   V12                = ( 94, 84 )
   V13                = ( 94, 22 )
   V14                = ( 33, 22 )
   ..
"Z05-10A-CLA-XY" = POLYGON
   V1                 = ( 22, 53 )
   V2                 = ( 53, 53 )
   V3                 = ( 53, 84 )
   V4                 = ( 22, 84 )
   ..
"Z06-10B-CLA-XY" = POLYGON
   V1                 = ( 22, 22 )
   V2                 = ( 53, 22 )
   V3                 = ( 53, 53 )
   V4                 = ( 22, 53 )
   ..
"Z07-110-CLAB-XY" = POLYGON
   V1                 = ( 53, 53 )
   V2                 = ( 73, 53 )
   V3                 = ( 73, 84 )
   V4                 = ( 53, 84 )
   ..
"Z08-127-CLAB-XY" = POLYGON
   V1                 = ( 53, 22 )
   V2                 = ( 73, 22 )
   V3                 = ( 73, 53 )
   V4                 = ( 53, 53 )
   ..
"Z09-112-CLAB-XY" = POLYGON
   V1                 = ( 73, 53 )
   V2                 = ( 94, 53 )
   V3                 = ( 94, 84 )
   V4                 = ( 73, 84 )
   ..
"Z10-125-CLAB-XY" = POLYGON
   V1                 = ( 73, 22 )
   V2                 = ( 94, 22 )
   V3                 = ( 94, 53 )
   V4                 = ( 73, 53 )
   ..
"Z11-130-OFC-XY" = POLYGON
   V1                 = ( 33, 0 )
   V2                 = ( 36, 0 )
   V3                 = ( 39, 0 )
   V4                 = ( 46, 0 )
   V5                 = ( 49, 0 )
   V6                 = ( 56, 0 )
   V7                 = ( 59, 0 )
   V8                 = ( 66, 0 )
   V9                 = ( 69, 0 )
   V10                = ( 76, 0 )
   V11                = ( 79, 0 )
   V12                = ( 86, 0 )
   V13                = ( 89, 0 )
   V14                = ( 96, 0 )
   V15                = ( 99, 0 )
   V16                = ( 102, 0 )
```

```
   V17               = ( 102, 14 )
   V18               = ( 33, 14 )
   ..
"Z12-126-OFC-XY" = POLYGON
   V1                = ( 102, 0 )
   V2                = ( 106, 0 )
   V3                = ( 109, 0 )
   V4                = ( 116, 0 )
   V5                = ( 116, 10 )
   V6                = ( 116, 13 )
   V7                = ( 116, 16 )
   V8                = ( 102, 16 )
   ..
"Z13-120-OFC-XY" = POLYGON
   V1                = ( 102, 16 )
   V2                = ( 116, 16 )
   V3                = ( 116, 21 )
   V4                = ( 116, 24 )
   V5                = ( 116, 32 )
   V6                = ( 116, 35 )
   V7                = ( 116, 43 )
   V8                = ( 116, 46 )
   V9                = ( 116, 54 )
   V10               = ( 116, 57 )
   V11               = ( 116, 65 )
   V12               = ( 116, 68 )
   V13               = ( 116, 76 )
   V14               = ( 116, 79 )
   V15               = ( 116, 87 )
   V16               = ( 116, 90 )
   V17               = ( 116, 91 )
   V18               = ( 102, 91 )
   ..
"Z14-199-DATA-XY" = POLYGON
   V1                = ( 47, 92 )
   V2                = ( 54, 92 )
   V3                = ( 54, 105 )
   V4                = ( 47, 105 )
   ..
"Floor-2-XY" = POLYGON
   V1                = ( 0, 0 )
   V2                = ( 12, 0 )
   V3                = ( 12, -4 )
   V4                = ( 33, -4 )
   V5                = ( 33, 0 )
   V6                = ( 115, 0 )
   V7                = ( 115, 99 )
   V8                = ( 101, 99 )
   V9                = ( 101, 105 )
   V10               = ( 11, 105 )
   V11               = ( 11, 35 )
   V12               = ( 0, 35 )
   ..
"Z15-293-COR-XY" = POLYGON
   V1                = ( 0, 0 )
   V2                = ( 12, 0 )
   V3                = ( 12, 14 )
```

```
   V4                = ( 25, 14 )
   V5                = ( 25, 22 )
   V6                = ( 22, 22 )
   V7                = ( 22, 106 )
   V8                = ( 11, 106 )
   V9                = ( 11, 35 )
   V10               = ( 0, 35 )
   ..
"Z16-295-RR-XY" = POLYGON
   V1                = ( 22, 92 )
   V2                = ( 47, 92 )
   V3                = ( 47, 105 )
   V4                = ( 22, 105 )
   ..
"Z17-299-DATA-XY" = POLYGON
   V1                = ( 47, 92 )
   V2                = ( 54, 92 )
   V3                = ( 54, 105 )
   V4                = ( 47, 105 )
   ..
"Z18-209-OFC-XY" = POLYGON
   V1                = ( 54, 92 )
   V2                = ( 81, 92 )
   V3                = ( 81, 105 )
   V4                = ( 54, 105 )
   ..
"Z19-291-COR-XY" = POLYGON
   V1                = ( 25, 14 )
   V2                = ( 81, 14 )
   V3                = ( 81, 92 )
   V4                = ( 22, 92 )
   V5                = ( 22, 84 )
   V6                = ( 73, 84 )
   V7                = ( 73, 22 )
   V8                = ( 25, 22 )
   ..
"Z20-206-CLAB-XY" = POLYGON
   V1                = ( 22, 53 )
   V2                = ( 42, 53 )
   V3                = ( 42, 84 )
   V4                = ( 22, 84 )
   ..
"Z21-212-LEARN-XY" = POLYGON
   V1                = ( 22, 22 )
   V2                = ( 42, 22 )
   V3                = ( 42, 53 )
   V4                = ( 22, 53 )
   ..
"Z22-208-CLAB-XY" = POLYGON
   V1                = ( 42, 53 )
   V2                = ( 63, 53 )
   V3                = ( 63, 84 )
   V4                = ( 42, 84 )
   ..
"Z23-212-LEARN-XY" = POLYGON
   V1                = ( 42, 22 )
   V2                = ( 62, 22 )
```

```
   V3                = ( 62, 34 )
   V4                = ( 73, 34 )
   V5                = ( 73, 45 )
   V6                = ( 62, 45 )
   V7                = ( 62, 53 )
   V8                = ( 42, 53 )
   ..
"Z24-210-OFC-XY" = POLYGON
   V1                = ( 62, 45 )
   V2                = ( 73, 45 )
   V3                = ( 73, 84 )
   V4                = ( 62, 84 )
   ..
"Z25-212-MEDIA-XY" = POLYGON
   V1                = ( 62, 22 )
   V2                = ( 73, 22 )
   V3                = ( 73, 34 )
   V4                = ( 62, 34 )
   ..
"Z26-211-FUND-XY" = POLYGON
   V1                = ( 81, 52 )
   V2                = ( 115, 52 )
   V3                = ( 115, 99 )
   V4                = ( 101, 99 )
   V5                = ( 101, 105 )
   V6                = ( 81, 105 )
   ..
"Z27-215-BEDLAB-XY" = POLYGON
   V1                = ( 81, 14 )
   V2                = ( 115, 14 )
   V3                = ( 115, 52 )
   V4                = ( 81, 52 )
   ..
"Z28-217-LOUNGE-XY" = POLYGON
   V1                = ( 72, 0 )
   V2                = ( 76, 0 )
   V3                = ( 79, 0 )
   V4                = ( 82, 0 )
   V5                = ( 115, 0 )
   V6                = ( 115, 14 )
   V7                = ( 72, 14 )
   ..
"Z29-223-OFC-XY" = POLYGON
   V1                = ( 12, 0 )
   V2                = ( 16, 0 )
   V3                = ( 19, 0 )
   V4                = ( 26, 0 )
   V5                = ( 29, 0 )
   V6                = ( 33, 0 )
   V7                = ( 36, 0 )
   V8                = ( 39, 0 )
   V9                = ( 46, 0 )
   V10               = ( 49, 0 )
   V11               = ( 56, 0 )
   V12               = ( 59, 0 )
   V13               = ( 66, 0 )
   V14               = ( 69, 0 )
```

```
   V15              = ( 72, 0 )
   V16              = ( 72, 14 )
   V17              = ( 12, 14 )
   ..
"Z01-191-COR-XY - SMirro" = POLYGON
   V1               = ( 0, 0 )
   V2               = ( 22, 0 )
   V3               = ( 25, 0 )
   V4               = ( 35, 0 )
   V5               = ( 35, 12 )
   V6               = ( 37, 12 )
   V7               = ( 40, 12 )
   V8               = ( 42, 12 )
   V9               = ( 45, 12 )
   V10              = ( 47, 12 )
   V11              = ( 50, 12 )
   V12              = ( 105, 12 )
   V13              = ( 105, 15 )
   V14              = ( 105, 20 )
   V15              = ( 105, 22 )
   V16              = ( 22, 22 )
   V17              = ( 22, 33 )
   V18              = ( -4, 33 )
   V19              = ( -4, 29 )
   V20              = ( -4, 17 )
   V21              = ( -4, 13 )
   V22              = ( 0, 13 )
   ..
"Z04-191-COR-XY - SMirro" = POLYGON
   V1               = ( 14, 33 )
   V2               = ( 22, 33 )
   V3               = ( 22, 94 )
   V4               = ( 84, 94 )
   V5               = ( 84, 22 )
   V6               = ( 92, 22 )
   V7               = ( 92, 91 )
   V8               = ( 105, 91 )
   V9               = ( 105, 102 )
   V10              = ( 99, 102 )
   V11              = ( 99, 116 )
   V12              = ( 91, 116 )
   V13              = ( 91, 102 )
   V14              = ( 14, 102 )
   ..
"Z11-130-OFC-XY - SMirro" = POLYGON
   V1               = ( 0, 33 )
   V2               = ( 14, 33 )
   V3               = ( 14, 102 )
   V4               = ( 0, 102 )
   V5               = ( 0, 99 )
   V6               = ( 0, 96 )
   V7               = ( 0, 89 )
   V8               = ( 0, 86 )
   V9               = ( 0, 79 )
   V10              = ( 0, 76 )
   V11              = ( 0, 69 )
   V12              = ( 0, 66 )
```

```
   V13              = ( 0, 59 )
   V14              = ( 0, 56 )
   V15              = ( 0, 49 )
   V16              = ( 0, 46 )
   V17              = ( 0, 39 )
   V18              = ( 0, 36 )
   ..
"Z12-126-OFC-XY - SMirro" = POLYGON
   V1               = ( 0, 102 )
   V2               = ( 16, 102 )
   V3               = ( 16, 116 )
   V4               = ( 13, 116 )
   V5               = ( 10, 116 )
   V6               = ( 0, 116 )
   V7               = ( 0, 109 )
   V8               = ( 0, 106 )
   ..
"Z13-120-OFC-XY - SMirro" = POLYGON
   V1               = ( 16, 102 )
   V2               = ( 91, 102 )
   V3               = ( 91, 116 )
   V4               = ( 90, 116 )
   V5               = ( 87, 116 )
   V6               = ( 79, 116 )
   V7               = ( 76, 116 )
   V8               = ( 68, 116 )
   V9               = ( 65, 116 )
   V10              = ( 57, 116 )
   V11              = ( 54, 116 )
   V12              = ( 46, 116 )
   V13              = ( 43, 116 )
   V14              = ( 35, 116 )
   V15              = ( 32, 116 )
   V16              = ( 24, 116 )
   V17              = ( 21, 116 )
   V18              = ( 16, 116 )
   ..
"Z01-101-COR-ROOF-XY" = POLYGON
   V1               = ( 0, 0 )
   V2               = ( 20, 0 )
   V3               = ( 20, 4 )
   V4               = ( 0, 4 )
   ..


$ ---------------------------------------------------------
$              Wall Parameters
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Fixed and Building Shades
$ ---------------------------------------------------------
```

```
$ ---------------------------------------------------------
$              Misc Cost Related Objects
$ ---------------------------------------------------------


"BASELINE 1" = BASELINE
   ..


$ *********************************************************
$ **                                                     **
$ **      Floors / Spaces / Walls / Windows / Doors      **
$ **                                                     **
$ *********************************************************

"Floor-1" = FLOOR
   Z                = 0
   POLYGON          = "Floor-1-XY"
   SHAPE            = POLYGON
   FLOOR-HEIGHT     = 14
   SPACE-HEIGHT     = 14
   C-DIAGRAM-DATA   = *Bldg Envelope & Loads 1 Diag Data*
   ..
"Z01-191-COR" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 3
   LIGHTING-W/AREA  = ( 0.92 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z01-191-COR-XY"
   ..
"W01-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V1
   ..
"W02-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   HEIGHT           = 25
   LOCATION         = SPACE-V2
   ..
"WIN01-W02-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 0.5
   Y                = 8
   HEIGHT           = 12
   WIDTH            = 3
   ..
```

```
"W03-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   HEIGHT           = 25
   LOCATION         = SPACE-V3
   ..
"WIN01-W03-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   HEIGHT           = 20
   WIDTH            = 3.75
   ..
"W04-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   HEIGHT           = 25
   LOCATION         = SPACE-V4
   ..
"WIN01-W04-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 0
   Y                = 0
   HEIGHT           = 10
   WIDTH            = 11.5
   SETBACK          = 0
   OVERHANG-A       = 4
   OVERHANG-W       = 19.5
   OVERHANG-D       = 0
   ..
"WIN02-W04-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 0
   Y                = 10
   HEIGHT           = 12
   WIDTH            = 11.5
   SETBACK          = 0
   OVERHANG-A       = 4
   OVERHANG-W       = 19.5
   OVERHANG-D       = 0
   ..
"W05-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   HEIGHT           = 25
   LOCATION         = SPACE-V5
   ..
"WIN01-W05-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   HEIGHT           = 20
   WIDTH            = 3.75
   ..
"W06-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   HEIGHT           = 25
   WIDTH            = 4
   LOCATION         = SPACE-V6
   ..
"WIN01-W06-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 0.5
   Y                = 8
```

```
   HEIGHT            = 12
   WIDTH             = 3
   ..
"W10-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V12
   ..
"W11-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V13
   ..
"W12-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V14
   ..
"WIN01-W12-Z01-191-COR" = WINDOW
   GLASS-TYPE        = "TYP-GLASS-N"
   Y                 = 3.5
   HEIGHT            = 5
   WIDTH             = 2
   ..
"W13-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V15
   ..
"WIN01-W13-Z01-191-COR" = WINDOW
   GLASS-TYPE        = "TYP-GLASS-N"
   X                 = 0
   Y                 = 3.5
   HEIGHT            = 5
   WIDTH             = 0.5
   SETBACK           = 0
   ..
"WIN02-W13-Z01-191-COR" = WINDOW
   GLASS-TYPE        = "TYP-GLASS-N"
   X                 = 2.5
   Y                 = 3.5
   HEIGHT            = 5
   WIDTH             = 0.5
   SETBACK           = 0
   ..
"W14-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V16
   ..
"WIN01-W14-Z01-191-COR" = WINDOW
   GLASS-TYPE        = "TYP-GLASS-N"
   Y                 = 3.5
   HEIGHT            = 5
   WIDTH             = 2
   ..
"W15-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
   LOCATION          = SPACE-V17
   ..
"W16-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION      = "W-BRICK-CONS"
```

```
   LOCATION         = SPACE-V18
   ..
"W17-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V19
   ..
"W18-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V20
   ..
"W19-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V21
   ..
"WIN01-W18-Z01-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-N"
   X                = 0
   Y                = 0
   HEIGHT           = 7
   WIDTH            = 3
   SETBACK          = 0
   ..
"W20-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V22
   ..
"R01-Z01-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   X                = 13
   Y                = -4
   Z                = 25
   LOCATION         = TOP
   POLYGON          = "Z01-101-COR-ROOF-XY"
   ..
"UF01-Z01-191-COR" = UNDERGROUND-WALL
   CONSTRUCTION     = "UF-TYP-CONS"
   U-EFFECTIVE      = 0.0599
   LOCATION         = BOTTOM
   ..
"Z02-195-RR" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA  = ( 1.08 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z02-195-RR-XY"
   ..
"Z03-199-STO" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-MECH-ANNUAL"
```

```
   LIGHTING-SCHEDUL = ( "LITE-MECH-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-MECH-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA  = ( 1.14 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z03-199-STO-XY"
   ..
"Z04-191-COR" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 3
   LIGHTING-W/AREA  = ( 0.89 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z04-191-COR-XY"
   ..
"W01-Z04-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V4
   ..
"WIN01-W01-Z04-191-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 1
   HEIGHT           = 7
   WIDTH            = 6
   OVERHANG-D       = 0
   ..
"W02-Z04-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V5
   ..
"W03-Z04-191-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V6
   ..
"UF01-Z04-191-COR" = UNDERGROUND-WALL
   CONSTRUCTION     = "UF-TYP-CONS"
   U-EFFECTIVE      = 0.0105
   LOCATION         = BOTTOM
   ..
"Z05-10A-CLA" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
```

```
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 17
   LIGHTING-W/AREA  = ( 0.97 )
   EQUIPMENT-W/AREA = ( 0.487 )
   POLYGON          = "Z05-10A-CLA-XY"
   ..
"Z06-10B-CLA" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 17
   LIGHTING-W/AREA  = ( 0.97 )
   EQUIPMENT-W/AREA = ( 0.487 )
   POLYGON          = "Z06-10B-CLA-XY"
   ..
"Z07-110-CLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 8
   LIGHTING-W/AREA  = ( 1.34 )
   EQUIPMENT-W/AREA = ( 0.752 )
   POLYGON          = "Z07-110-CLAB-XY"
   ..
"Z08-127-CLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 8
   LIGHTING-W/AREA  = ( 1.34 )
   EQUIPMENT-W/AREA = ( 0.752 )
   POLYGON          = "Z08-127-CLAB-XY"
   ..
"Z09-112-CLAB" = SPACE
   SHAPE            = POLYGON
```

```
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 12
   LIGHTING-W/AREA  = ( 1.27 )
   EQUIPMENT-W/AREA = ( 0.71 )
   POLYGON          = "Z09-112-CLAB-XY"
   ..
"Z10-125-CLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 12
   LIGHTING-W/AREA  = ( 1.27 )
   EQUIPMENT-W/AREA = ( 0.71 )
   POLYGON          = "Z10-125-CLAB-XY"
   ..
"Z11-130-OFC" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 6
   LIGHTING-W/AREA  = ( 1.5 )
   EQUIPMENT-W/AREA = ( 1.462 )
   POLYGON          = "Z11-130-OFC-XY"
   ..
"W01-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V1
   ..
"W02-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V2
   ..
"W03-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V3
   ..
"WIN01-W03-Z11-130-OFC" = WINDOW
```

```
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"WIN02-W03-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 4.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W04-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V4
   ..
"W05-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V5
   ..
"WIN01-W05-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2
   ..
"W06-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V6
   ..
"WIN01-W06-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 0
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 0.5
   SETBACK          = 0
   ..
"WIN02-W06-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 2.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 0.5
   SETBACK          = 0
   ..
"W07-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V7
   ..
"WIN01-W07-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2
   ..
```

```
"W08-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V8
   ..
"W09-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V9
   ..
"WIN01-W09-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 3
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W10-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V10
   ..
"WIN01-W10-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 0.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"W11-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V11
   ..
"W12-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V12
   ..
"W13-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V13
   ..
"WIN01-W13-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 3
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W14-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V14
   ..
"WIN01-W14-Z11-130-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 0.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
```

```
   ..
"W15-Z11-130-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V15
   ..
"UF01-Z11-130-OFC" = UNDERGROUND-WALL
   CONSTRUCTION     = "UF-TYP-CONS"
   U-EFFECTIVE      = 0.0521
   LOCATION         = BOTTOM
   ..
"Z12-126-OFC" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA  = ( 0.92 )
   EQUIPMENT-W/AREA = ( 0.835 )
   POLYGON          = "Z12-126-OFC-XY"
   ..
"W01-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V1
   ..
"W02-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V2
   ..
"W03-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V3
   ..
"W04-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V4
   ..
"WIN01-W04-Z12-126-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 3
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 5
   ..
"W05-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V5
   ..
"W06-Z12-126-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V6
   ..
```

```
"UF01-Z12-126-OFC" = UNDERGROUND-WALL
   CONSTRUCTION     = "UF-TYP-CONS"
   U-EFFECTIVE      = 0.0987
   LOCATION         = BOTTOM
   ..
"Z13-120-OFC" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 5
   LIGHTING-W/AREA  = ( 1.32 )
   EQUIPMENT-W/AREA = ( 0.975 )
   POLYGON          = "Z13-120-OFC-XY"
   ..
"W01-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V2
   ..
"W02-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V3
   ..
"W03-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V4
   ..
"WIN01-W03-Z13-120-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 4
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W04-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V5
   ..
"WIN01-W04-Z13-120-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 0.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"W05-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V6
   ..
"W06-Z13-120-OFC" = EXTERIOR-WALL
```

```
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V7
   ..
"W07-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V8
   ..
"W08-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V9
   ..
"W09-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V10
   ..
"WIN01-W09-Z13-120-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 1
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"WIN02-W09-Z13-120-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 5.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W10-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V11
   ..
"W11-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V12
   ..
"W12-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V13
   ..
"W13-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V14
   ..
"WIN01-W13-Z13-120-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"WIN02-W13-Z13-120-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 5.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
```

```
   ..
"W14-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V15
   ..
"W15-Z13-120-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V16
   ..
"UF01-Z13-120-OFC" = UNDERGROUND-WALL
   CONSTRUCTION     = "UF-TYP-CONS"
   U-EFFECTIVE      = 0.0521
   LOCATION         = BOTTOM
   ..
"Z14-199-DATA" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-MECH-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-MECH-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-MECH-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA  = ( 1.51 )
   EQUIPMENT-W/AREA = ( 4.136 )
   POLYGON          = "Z14-199-DATA-XY"
   ..
"Floor-2" = FLOOR
   Z                = 14
   POLYGON          = "Floor-2-XY"
   SHAPE            = POLYGON
   FLOOR-HEIGHT     = 18
   SPACE-HEIGHT     = 18
   C-DIAGRAM-DATA   = *Bldg Envelope & Loads 1 Diag Data*
   ..
"Z15-293-COR" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 2
   LIGHTING-W/AREA  = ( 0.66 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z15-293-COR-XY"
   ..
"W01-Z15-293-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   WIDTH            = 14
   LOCATION         = SPACE-V1
```

```
   ..
"W03-Z15-293-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V8
   ..
"WIN01-W03-Z15-293-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-N"
   X                = 59
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN02-W03-Z15-293-COR" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-N"
   X                = 63.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"W04-Z15-293-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V9
   ..
"W05-Z15-293-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V10
   ..
"R01-Z15-293-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z16-295-RR" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA  = ( 1.08 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z16-295-RR-XY"
   ..
"R01-Z16-295-RR" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z17-299-DATA" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-MECH-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-MECH-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-MECH-ANNUAL" )
```

```
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA  = ( 1.51 )
   EQUIPMENT-W/AREA = ( 4.136 )
   POLYGON          = "Z17-299-DATA-XY"
   ..
"R01-Z17-299-DATA" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z18-209-OFC" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 3
   LIGHTING-W/AREA  = ( 1.57 )
   EQUIPMENT-W/AREA = ( 1.601 )
   POLYGON          = "Z18-209-OFC-XY"
   ..
"R01-Z18-209-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z19-291-COR" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-COR-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-COR-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-COR-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 3
   LIGHTING-W/AREA  = ( 0.75 )
   EQUIPMENT-W/AREA = ( 0.07 )
   POLYGON          = "Z19-291-COR-XY"
   ..
"R01-Z19-291-COR" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z20-206-CLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
```

```
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 8
   LIGHTING-W/AREA  = ( 1.34 )
   EQUIPMENT-W/AREA = ( 0.446 )
   POLYGON          = "Z20-206-CLAB-XY"
   ..
"R01-Z20-206-CLAB" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z21-212-LEARN" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 8
   LIGHTING-W/AREA  = ( 1.34 )
   EQUIPMENT-W/AREA = ( 1.518 )
   POLYGON          = "Z21-212-LEARN-XY"
   ..
"R01-Z21-212-LEARN" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z22-208-CLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 16
   LIGHTING-W/AREA  = ( 1.27 )
   EQUIPMENT-W/AREA = ( 0.71 )
   POLYGON          = "Z22-208-CLAB-XY"
   ..
"R01-Z22-208-CLAB" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z23-212-LEARN" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
```

```
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 10
   LIGHTING-W/AREA  = ( 1.33 )
   EQUIPMENT-W/AREA = ( 1.518 )
   POLYGON          = "Z23-212-LEARN-XY"
   ..
"R01-Z23-212-LEARN" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z24-210-OFC" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 3
   LIGHTING-W/AREA  = ( 1.13 )
   EQUIPMENT-W/AREA = ( 1.532 )
   POLYGON          = "Z24-210-OFC-XY"
   ..
"R01-Z24-210-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z25-212-MEDIA" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 1
   LIGHTING-W/AREA  = ( 1.04 )
   EQUIPMENT-W/AREA = ( 2.117 )
   POLYGON          = "Z25-212-MEDIA-XY"
   ..
"R01-Z25-212-MEDIA" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z26-211-FUND" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
```

```
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 20
   LIGHTING-W/AREA  = ( 1.49 )
   EQUIPMENT-W/AREA = ( 1.309 )
   POLYGON          = "Z26-211-FUND-XY"
   ..
"W01-Z26-211-FUND" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V2
   ..
"WIN01-W01-Z26-211-FUND" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 6
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN03-W01-Z26-211-FUND" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 27
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN02-W01-Z26-211-FUND" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 10.5
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN04-W01-Z26-211-FUND" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 31.5
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"W02-Z26-211-FUND" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V3
   ..
"W03-Z26-211-FUND" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V4
   ..
"R01-Z26-211-FUND" = EXTERIOR-WALL
```

```
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z27-215-BEDLAB" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 20
   LIGHTING-W/AREA  = ( 1.88 )
   EQUIPMENT-W/AREA = ( 1.448 )
   POLYGON          = "Z27-215-BEDLAB-XY"
   ..
"W01-Z27-215-BEDLAB" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V2
   ..
"WIN01-W01-Z27-215-BEDLAB" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 15
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN02-W01-Z27-215-BEDLAB" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 20.5
   Y                = 3.5
   HEIGHT           = 3
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"R01-Z27-215-BEDLAB" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"Z28-217-LOUNGE" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-CLASS-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-CLASS-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-CLASS-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 6
   LIGHTING-W/AREA  = ( 1.83 )
   EQUIPMENT-W/AREA = ( 1.156 )
```

```
   DAYLIGHTING      = NO
   LIGHT-REF-POINT1 = ( 80, 7, 9 )
   LIGHT-REF-POINT2 = ( 105, 7, 9 )
   ZONE-FRACTION1   = 0.5
   ZONE-FRACTION2   = 0.5
   VIEW-AZIMUTH     = 180
   POLYGON          = "Z28-217-LOUNGE-XY"
   ..
"W01-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V1
   ..
"WIN01-W01-Z28-217-LOUNGE" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 0
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"W02-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V2
   ..
"WIN01-W02-Z28-217-LOUNGE" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 0.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"W03-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V3
   ..
"W04-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Z                = 3
   HEIGHT           = 15
   LOCATION         = SPACE-V4
   ..
"WIN02-W01-Z28-217-LOUNGE" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 6
   Y                = 0
   HEIGHT           = 9
   WIDTH            = 26
   SETBACK          = 0
   OVERHANG-B       = -1.5
   OVERHANG-W       = 29
   OVERHANG-D       = 0
   ..
"W05-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Z                = 3
   HEIGHT           = 15
   LOCATION         = SPACE-V5
```

```
   ..
"WIN01-W05-Z28-217-LOUNGE" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 0
   HEIGHT           = 9
   WIDTH            = 14
   SETBACK          = 0
   OVERHANG-A       = 2
   OVERHANG-B       = -1.5
   OVERHANG-W       = 17
   OVERHANG-D       = 0
   ..
"R01-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"W04A-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION     = "W-SPANDREL-CONS"
   HEIGHT           = 3
   LOCATION         = SPACE-V4
   ..
"W05A-Z28-217-LOUNGE" = EXTERIOR-WALL
   CONSTRUCTION     = "W-SPANDREL-CONS"
   HEIGHT           = 3
   LOCATION         = SPACE-V5
   ..
"IW01-Z28-217-LOUNGE" = INTERIOR-WALL
   NEXT-TO          = "Z27-215-BEDLAB"
   CONSTRUCTION     = "IW-TYP-CONS"
   LOCATION         = SPACE-V6
   ..
"IW02-Z28-217-LOUNGE" = INTERIOR-WALL
   NEXT-TO          = "Z29-223-OFC"
   CONSTRUCTION     = "IW-TYP-CONS"
   LOCATION         = SPACE-V7
   ..
"Z29-223-OFC" = SPACE
   SHAPE            = POLYGON
   PEOPLE-SCHEDULE  = "OCC-OFC-ANNUAL"
   LIGHTING-SCHEDUL = ( "LITE-OFC-ANNUAL" )
   EQUIP-SCHEDULE   = ( "EQP-OFC-ANNUAL" )
   INF-SCHEDULE     = "INF-ALL-ANNUAL"
   LIGHTING-TYPE    = ( REC-FLUOR-NV )
   INF-METHOD       = AIR-CHANGE
   AIR-CHANGES/HR   = 0.2
   PEOPLE-HG-LAT    = 250
   PEOPLE-HG-SENS   = 250
   NUMBER-OF-PEOPLE = 6
   LIGHTING-W/AREA  = ( 1.48 )
   EQUIPMENT-W/AREA = ( 1.337 )
   POLYGON          = "Z29-223-OFC-XY"
   ..
"W06-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V6
   ..
"W07-Z29-223-OFC" = EXTERIOR-WALL
```

```
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V7
   ..
"W08-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V8
   ..
"WIN01-W08-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 0
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"WIN02-W08-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 4.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   SETBACK          = 0
   ..
"W09-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V9
   ..
"W10-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V10
   ..
"WIN01-W10-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2
   SETBACK          = 0
   ..
"W11-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V11
   ..
"WIN01-W11-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 0.5
   ..
"WIN02-W11-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   X                = 2.5
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 0.5
   ..
"W12-Z29-223-OFC" = EXTERIOR-WALL
```

```
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V12
   ..
"WIN01-W12-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2
   ..
"W13-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V13
   ..
"W14-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   LOCATION         = SPACE-V14
   ..
"R01-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "R-TYP-CONS"
   LOCATION         = TOP
   ..
"W01-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Y                = -0.02
   Z                = 11
   HEIGHT           = 7
   LOCATION         = SPACE-V1
   ..
"W02-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Y                = -0.02
   Z                = 11
   HEIGHT           = 7
   LOCATION         = SPACE-V2
   ..
"W03-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Y                = -0.02
   Z                = 11
   HEIGHT           = 7
   LOCATION         = SPACE-V3
   ..
"W04-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Y                = -0.02
   Z                = 11
   HEIGHT           = 7
   LOCATION         = SPACE-V4
   ..
"W05-Z29-223-OFC" = EXTERIOR-WALL
   CONSTRUCTION     = "W-BRICK-CONS"
   Y                = -0.02
   Z                = 11
   HEIGHT           = 7
   LOCATION         = SPACE-V5
   ..
"IW01-Z29-223-OFC" = INTERIOR-WALL
```

```
   NEXT-TO          = "Z01-191-COR"
   CONSTRUCTION     = "IW-TYP-CONS"
   HEIGHT           = 11
   LOCATION         = SPACE-V1
   ..
"IW02-Z29-223-OFC" = INTERIOR-WALL
   NEXT-TO          = "Z01-191-COR"
   CONSTRUCTION     = "IW-TYP-CONS"
   HEIGHT           = 11
   LOCATION         = SPACE-V2
   ..
"IWIN01-IW02-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"IW03-Z29-223-OFC" = INTERIOR-WALL
   NEXT-TO          = "Z01-191-COR"
   CONSTRUCTION     = "IW-TYP-CONS"
   HEIGHT           = 11
   LOCATION         = SPACE-V3
   ..
"IW04-Z29-223-OFC" = INTERIOR-WALL
   NEXT-TO          = "Z01-191-COR"
   CONSTRUCTION     = "IW-TYP-CONS"
   HEIGHT           = 11
   LOCATION         = SPACE-V4
   ..
"IWIN01-IW04-Z29-223-OFC" = WINDOW
   GLASS-TYPE       = "TYP-GLASS-1"
   Y                = 3.5
   HEIGHT           = 5
   WIDTH            = 2.5
   ..
"IW05-Z29-223-OFC" = INTERIOR-WALL
   NEXT-TO          = "Z01-191-COR"
   CONSTRUCTION     = "IW-TYP-CONS"
   HEIGHT           = 11
   LOCATION         = SPACE-V5
   ..


$ *********************************************************
$ **                                                     **
$ **                 Performance Curves                  **
$ **                                                     **
$ *********************************************************



$ *********************************************************
$ **                                                     **
$ **               Electric & Fuel Meters                **
$ **                                                     **
$ *********************************************************
```

```
$ ---------------------------------------------------------
$              Electric Meters
$ ---------------------------------------------------------

"Submeter 1 - Exterior Lighting" = ELEC-METER
   TYPE             = SUB-METER
   EXTERIOR-POWER   = ( 0.672 )
   EXTERIOR-SCH     = ( "EXT-LIGHTS-SCH" )
   ..
"EM1" = ELEC-METER
   TYPE             = UTILITY
   BLDG/SUB-METERS  = ( "Submeter 1 - Exterior Lighting",
         "Submeter 2 - Elevator" )
   ..
"Submeter 2 - Elevator" = ELEC-METER
   TYPE             = SUB-METER
   INTERIOR-POWER   = ( 20 )
   INTERIOR-SCH     = ( "SCHOOL-SECON ELEV" )
   ..


$ ---------------------------------------------------------
$              Fuel Meters
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Master Meters
$ ---------------------------------------------------------

"MASTER-METERS 1" = MASTER-METERS
   MSTR-ELEC-METER  = "EM1"
   MSTR-FUEL-METER  = "FM1"
   ..

$ *********************************************************
$ **                                                     **
$ **      HVAC Circulation Loops / Plant Equipment       **
$ **                                                     **
$ *********************************************************

$ ---------------------------------------------------------
$              Pumps
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Heat Exchangers
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Circulation Loops
```

```
$ ---------------------------------------------------------

"DHW LOOP" = CIRCULATION-LOOP
   TYPE             = DHW
   PROCESS-FLOW     = ( 0.69 )
   PROCESS-SCH      = ( "DHW-SCH" )
   ..


$ ---------------------------------------------------------
$              Chillers
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Boilers
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Domestic Water Heaters
$ ---------------------------------------------------------

"DHW-1" = DW-HEATER
   TYPE             = GAS
   LOCATION         = ZONE
   ZONE-NAME        = "Z01-191-COR_C"
   DHW-LOOP         = "DHW LOOP"
   ..


$ ---------------------------------------------------------
$              Heat Rejection
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Tower Free Cooling
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Photovoltaic Modules
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Electric Generators
$ ---------------------------------------------------------
```

```
$ ---------------------------------------------------------
$              Thermal Storage
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Ground Loop Heat Exchangers
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Compliance DHW (residential dwelling units)
$ ---------------------------------------------------------



$ *********************************************************
$ **                                                     **
$ **            Steam & Chilled Water Meters             **
$ **                                                     **
$ *********************************************************

$ ---------------------------------------------------------
$              Steam Meters
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$              Chilled Water Meters
$ ---------------------------------------------------------



$ *********************************************************
$ **                                                     **
$ **                HVAC Systems / Zones                 **
$ **                                                     **
$ *********************************************************

SET-DEFAULT FOR SYSTEM
   TYPE = PSZ
   ECONO-LIMIT-T    = 70
   COOLING-EIR      = 0.2433
   ..

SET-DEFAULT FOR ZONE
   TYPE = CONDITIONED
   DESIGN-COOL-T    = 75
   ..

"AC-1" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = NONE
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
```

```
   SUPPLY-FLOW      = 800
   MIN-OUTSIDE-AIR  = 0
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000587
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 23800
   COOLING-EIR      = 0.36
   COOL-SH-CAP      = 20100
   CRANKCASE-HEAT   = 0
   CONTROL-ZONE     = "Z14-199-DATA_C"
   ..
"Z14-199-DATA_C" = ZONE
   TYPE             = CONDITIONED
   HEAT-TEMP-SCH    = "HTG-STO-ANNUAL"
   COOL-TEMP-SCH    = "CLG-STO-ANNUAL"
   SPACE            = "Z14-199-DATA"
   ..
"AC-2" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = NONE
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   SUPPLY-FLOW      = 800
   MIN-OUTSIDE-AIR  = 0
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000587
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 23800
   COOLING-EIR      = 0.36
   COOL-SH-CAP      = 20100
   CRANKCASE-HEAT   = 0
   CONTROL-ZONE     = "Z17-299-DATA_C"
   ..
"Z17-299-DATA_C" = ZONE
   TYPE             = CONDITIONED
   HEAT-TEMP-SCH    = "HTG-STO-ANNUAL"
   COOL-TEMP-SCH    = "CLG-STO-ANNUAL"
   SPACE            = "Z17-299-DATA"
   ..
"Z01-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 1102
   OA-CONTROL       = FIXED
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000787
   RETURN-KW/FLOW   = 0.000792
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 52485
   HEATING-CAPACITY = -84870
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z01-191-COR_C"
   ..
"Z01-191-COR_C" = ZONE
```

```
   TYPE              = CONDITIONED
   OUTSIDE-AIR-FLOW = 357
   HEAT-TEMP-SCH    = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH    = "CLG-COR-ANNUAL"
   SPACE             = "Z01-191-COR"
   ..
"Z02-PSZ-DUMMY" = SYSTEM
   TYPE              = PSZ
   HEAT-SOURCE       = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW       = 57
   FAN-SCHEDULE      = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.001033
   RETURN-KW/FLOW   = 0.001048
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 2951
   HEATING-CAPACITY = -4824
   FURNACE-AUX       = 0
   FURNACE-HIR       = 1.25
   CONTROL-ZONE      = "Z02-195-RR_C"
   ..
"Z02-195-RR_C" = ZONE
   TYPE              = CONDITIONED
   OUTSIDE-AIR-FLOW = 25
   HEAT-TEMP-SCH    = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH    = "CLG-COR-ANNUAL"
   SPACE             = "Z02-195-RR"
   ..
"Z03-PSZ-DUMMY" = SYSTEM
   TYPE              = PSZ
   HEAT-SOURCE       = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW       = 56
   FAN-SCHEDULE      = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.001035
   RETURN-KW/FLOW   = 0.001051
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 2895
   HEATING-CAPACITY = -4795
   FURNACE-AUX       = 0
   FURNACE-HIR       = 1.25
   CONTROL-ZONE      = "Z03-199-STO_C"
   ..
"Z03-199-STO_C" = ZONE
   TYPE              = CONDITIONED
   OUTSIDE-AIR-FLOW = 25
   HEAT-TEMP-SCH    = "HTG-STO-ANNUAL"
   COOL-TEMP-SCH    = "CLG-STO-ANNUAL"
   SPACE             = "Z03-199-STO"
   ..
"Z04-PSZ-DUMMY" = SYSTEM
   TYPE              = PSZ
   HEAT-SOURCE       = FURNACE
```

```
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 418
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000837
   RETURN-KW/FLOW   = 0.000844
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 21372
   HEATING-CAPACITY = -35664
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z04-191-COR_C"
   ..
"Z04-191-COR_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 180
   HEAT-TEMP-SCH    = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH    = "CLG-COR-ANNUAL"
   SPACE            = "Z04-191-COR"
   ..
"Z05-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   SUPPLY-FLOW      = 390
   RETURN-FLOW      = 351
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000858
   RETURN-KW/FLOW   = 0.000866
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 17023
   HEATING-CAPACITY = -26641
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z05-10A-CLA_C"
   ..
"Z05-10A-CLA_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 140
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE            = "Z05-10A-CLA"
   ..
"Z06-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   SUPPLY-FLOW      = 390
   RETURN-FLOW      = 351
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000858
   RETURN-KW/FLOW   = 0.000866
```

```
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 17023
   HEATING-CAPACITY = -26641
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z06-10B-CLA_C"
   ..
"Z06-10B-CLA_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 140
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE            = "Z06-10B-CLA"
   ..
"Z07-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   SUPPLY-FLOW      = 300
   RETURN-FLOW      = 270
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000884
   RETURN-KW/FLOW   = 0.000892
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 11733
   HEATING-CAPACITY = -18856
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z07-110-CLAB_C"
   ..
"Z07-110-CLAB_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 98
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE            = "Z07-110-CLAB"
   ..
"Z08-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   SUPPLY-FLOW      = 300
   RETURN-FLOW      = 270
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000884
   RETURN-KW/FLOW   = 0.000892
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 11733
   HEATING-CAPACITY = -18856
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z08-127-CLAB_C"
   ..
```

```
"Z08-127-CLAB_C" = ZONE
   TYPE              = CONDITIONED
   OUTSIDE-AIR-FLOW = 98
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE             = "Z08-127-CLAB"
   ..
"Z09-PSZ-DUMMY" = SYSTEM
   TYPE              = PSZ
   HEAT-SOURCE       = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   SUPPLY-FLOW       = 310
   RETURN-FLOW       = 297
   FAN-SCHEDULE      = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW    = 0.000873
   RETURN-KW/FLOW    = 0.000881
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 13799
   HEATING-CAPACITY = -21800
   FURNACE-AUX       = 0
   FURNACE-HIR       = 1.25
   CONTROL-ZONE      = "Z09-112-CLAB_C"
   ..
"Z09-112-CLAB_C" = ZONE
   TYPE              = CONDITIONED
   OUTSIDE-AIR-FLOW = 114
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE             = "Z09-112-CLAB"
   ..
"Z10-PSZ-DUMMY" = SYSTEM
   TYPE              = PSZ
   HEAT-SOURCE       = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   SUPPLY-FLOW       = 310
   RETURN-FLOW       = 297
   FAN-SCHEDULE      = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW    = 0.000873
   RETURN-KW/FLOW    = 0.000881
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 13799
   HEATING-CAPACITY = -21800
   FURNACE-AUX       = 0
   FURNACE-HIR       = 1.25
   CONTROL-ZONE      = "Z10-125-CLAB_C"
   ..
"Z10-125-CLAB_C" = ZONE
   TYPE              = CONDITIONED
   OUTSIDE-AIR-FLOW = 114
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE             = "Z10-125-CLAB"
   ..
```

```
"Z11-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 498
   OA-CONTROL       = FIXED
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000827
   RETURN-KW/FLOW   = 0.000833
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 25735
   HEATING-CAPACITY = -42543
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z11-130-OFC_C"
   ..
"Z11-130-OFC_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 189
   HEAT-TEMP-SCH    = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH    = "CLG-OFC-ANNUAL"
   SPACE            = "Z11-130-OFC"
   ..
"Z12-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 113
   OA-CONTROL       = FIXED
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000945
   RETURN-KW/FLOW   = 0.000956
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 6719
   HEATING-CAPACITY = -10584
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z12-126-OFC_C"
   ..
"Z12-126-OFC_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 37
   HEAT-TEMP-SCH    = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH    = "CLG-OFC-ANNUAL"
   SPACE            = "Z12-126-OFC"
   ..
"Z13-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 468
```

```
   OA-CONTROL       = FIXED
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000831
   RETURN-KW/FLOW   = 0.000837
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 25568
   HEATING-CAPACITY = -40265
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z13-120-OFC_C"
   ..
"Z13-120-OFC_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 166
   HEAT-TEMP-SCH    = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH    = "CLG-OFC-ANNUAL"
   SPACE            = "Z13-120-OFC"
   ..
"Z15-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 607
   OA-CONTROL       = FIXED
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000816
   RETURN-KW/FLOW   = 0.000822
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 30133
   HEATING-CAPACITY = -48256
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z15-293-COR_C"
   ..
"Z15-293-COR_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 211
   HEAT-TEMP-SCH    = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH    = "CLG-COR-ANNUAL"
   SPACE            = "Z15-293-COR"
   ..
"Z16-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 90
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.00097
   RETURN-KW/FLOW   = 0.000983
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 4308
   HEATING-CAPACITY = -6920
   FURNACE-AUX      = 0
```

```
   FURNACE-HIR       = 1.25
   CONTROL-ZONE      = "Z16-295-RR_C"
   ..
"Z16-295-RR_C" = ZONE
   TYPE              = CONDITIONED
   OUTSIDE-AIR-FLOW = 31
   HEAT-TEMP-SCH     = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH     = "CLG-COR-ANNUAL"
   SPACE             = "Z16-295-RR"
   ..
"Z18-PSZ-DUMMY" = SYSTEM
   TYPE              = PSZ
   HEAT-SOURCE       = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW       = 214
   FAN-SCHEDULE      = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW    = 0.000885
   RETURN-KW/FLOW    = 0.000893
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 11060
   HEATING-CAPACITY = -18269
   FURNACE-AUX       = 0
   FURNACE-HIR       = 1.25
   CONTROL-ZONE      = "Z18-209-OFC_C"
   ..
"Z18-209-OFC_C" = ZONE
   TYPE              = CONDITIONED
   OUTSIDE-AIR-FLOW = 93
   HEAT-TEMP-SCH     = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH     = "CLG-OFC-ANNUAL"
   SPACE             = "Z18-209-OFC"
   ..
"Z19-PSZ-DUMMY" = SYSTEM
   TYPE              = PSZ
   HEAT-SOURCE       = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW       = 324
   FAN-SCHEDULE      = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW    = 0.000854
   RETURN-KW/FLOW    = 0.000861
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 15124
   HEATING-CAPACITY = -24718
   FURNACE-AUX       = 0
   FURNACE-HIR       = 1.25
   CONTROL-ZONE      = "Z19-291-COR_C"
   ..
"Z19-291-COR_C" = ZONE
   TYPE              = CONDITIONED
   OUTSIDE-AIR-FLOW = 107
   HEAT-TEMP-SCH     = "HTG-COR-ANNUAL"
   COOL-TEMP-SCH     = "CLG-COR-ANNUAL"
   SPACE             = "Z19-291-COR"
```

```
   ..
"Z20-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 246
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000874
   RETURN-KW/FLOW   = 0.000882
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 12645
   HEATING-CAPACITY = -20135
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z20-206-CLAB_C"
   ..
"Z20-206-CLAB_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 97
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE            = "Z20-206-CLAB"
   ..
"Z21-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 335
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000852
   RETURN-KW/FLOW   = 0.000859
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 16959
   HEATING-CAPACITY = -27709
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z21-212-LEARN_C"
   ..
"Z21-212-LEARN_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 135
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE            = "Z21-212-LEARN"
   ..
"Z22-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 337
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
```

```
   SUPPLY-KW/FLOW   = 0.000851
   RETURN-KW/FLOW   = 0.000858
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 18372
   HEATING-CAPACITY = -28329
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z22-208-CLAB_C"
   ..
"Z22-208-CLAB_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 141
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE            = "Z22-208-CLAB"
   ..
"Z23-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 402
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.00084
   RETURN-KW/FLOW   = 0.000847
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 20404
   HEATING-CAPACITY = -33389
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z23-212-LEARN_C"
   ..
"Z23-212-LEARN_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 163
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE            = "Z23-212-LEARN"
   ..
"Z24-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 214
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000885
   RETURN-KW/FLOW   = 0.000893
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 10796
   HEATING-CAPACITY = -17745
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z24-210-OFC_C"
   ..
```

```
"Z24-210-OFC_C" = ZONE
   TYPE              = CONDITIONED
   OUTSIDE-AIR-FLOW = 87
   HEAT-TEMP-SCH    = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH    = "CLG-OFC-ANNUAL"
   SPACE            = "Z24-210-OFC"
   ..
"Z25-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 73
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000997
   RETURN-KW/FLOW   = 0.001011
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 3667
   HEATING-CAPACITY = -5936
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z25-212-MEDIA_C"
   ..
"Z25-212-MEDIA_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 29
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE            = "Z25-212-MEDIA"
   ..
"Z26-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 1071
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000789
   RETURN-KW/FLOW   = 0.000793
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 56685
   HEATING-CAPACITY = -92934
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z26-211-FUND_C"
   ..
"Z26-211-FUND_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 433
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE            = "Z26-211-FUND"
   ..
"Z27-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
```

```
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 891
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000797
   RETURN-KW/FLOW   = 0.000802
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 47043
   HEATING-CAPACITY = -77463
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z27-215-BEDLAB_C"
   ..
"Z27-215-BEDLAB_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 373
   HEAT-TEMP-SCH    = "HTG-CLASS-ANNUAL"
   COOL-TEMP-SCH    = "CLG-CLASS-ANNUAL"
   SPACE            = "Z27-215-BEDLAB"
   ..
"Z28-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 872
   OA-CONTROL       = FIXED
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000798
   RETURN-KW/FLOW   = 0.000803
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 41407
   HEATING-CAPACITY = -66554
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z28-217-LOUNGE_C"
   ..
"Z28-217-LOUNGE_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 260
   HEAT-TEMP-SCH    = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH    = "CLG-OFC-ANNUAL"
   SPACE            = "Z28-217-LOUNGE"
   ..
"Z29-PSZ-DUMMY" = SYSTEM
   TYPE             = PSZ
   HEAT-SOURCE      = FURNACE
   ZONE-HEAT-SOURCE = NONE
   HEATING-SCHEDULE = "HTG_AVAIL-ALL-ANNUAL"
   COOLING-SCHEDULE = "CLG_AVAIL-ALL-ANNUAL"
   RETURN-FLOW      = 550
   OA-CONTROL       = FIXED
   FAN-SCHEDULE     = "FAN-SCH-ANNUAL"
   SUPPLY-KW/FLOW   = 0.000821
```

```
   RETURN-KW/FLOW   = 0.000827
   NIGHT-CYCLE-CTRL = CYCLE-ON-ANY
   COOLING-CAPACITY = 29509
   HEATING-CAPACITY = -49339
   FURNACE-AUX      = 0
   FURNACE-HIR      = 1.25
   CONTROL-ZONE     = "Z29-223-OFC_C"
   ..
"Z29-223-OFC_C" = ZONE
   TYPE             = CONDITIONED
   OUTSIDE-AIR-FLOW = 226
   HEAT-TEMP-SCH    = "HTG-OFC-ANNUAL"
   COOL-TEMP-SCH    = "CLG-OFC-ANNUAL"
   SPACE            = "Z29-223-OFC"
   ..


$ **********************************************************
$ **                                                      **
$ **                Metering & Misc HVAC                  **
$ **                                                      **
$ **********************************************************

$ ---------------------------------------------------------
$             Equipment Controls
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$             Load Management
$ ---------------------------------------------------------



$ **********************************************************
$ **                                                      **
$ **                    Utility Rates                     **
$ **                                                      **
$ **********************************************************

$ ---------------------------------------------------------
$             Ratchets
$ ---------------------------------------------------------



$ ---------------------------------------------------------
$             Block Charges
$ ---------------------------------------------------------

"ON-PEAK" = BLOCK-CHARGE
   BLOCK-SCH        = "ELE-SCH-FLAG"
   SCH-FLAG         = 1.1
   BLOCKS-ARE       = INCREMENTAL
   BLOCKS-1         = ( 1 )
   COSTS-1          = ( 0.105771 )
```

```
   BLOCK2-TYPE      = DEMAND
   BLOCKS-2         = ( 1 )
   COSTS-2          = ( 9.63 )
   ..
"OFF-PEAK" = BLOCK-CHARGE
   BLOCK-SCH        = "ELE-SCH-FLAG"
   SCH-FLAG         = 1.2
   BLOCKS-ARE       = INCREMENTAL
   BLOCKS-1         = ( 1 )
   COSTS-1          = ( 0.0840312 )
   BLOCK2-TYPE      = DEMAND
   BLOCKS-2         = ( 1 )
   COSTS-2          = ( 0 )
   ..
"GAS-BLK" = BLOCK-CHARGE
   BLOCKS-ARE       = INCREMENTAL
   BLOCKS-1         = ( 3, 277, 4720, 1 )
   COSTS-1          = ( 0, 1.11991, 1.00711, 0.90053 )
   ..


$ ---------------------------------------------------------
$              Utility Rates
$ ---------------------------------------------------------

"RGEE-SC08" = UTILITY-RATE
   TYPE             = ELECTRICITY
   ELEC-METERS      = ( "EM1" )
   MONTH-CHGS       = ( 435.4 )
   BLOCK-CHARGES    = ( "ON-PEAK", "OFF-PEAK" )
   ..
"RGEG-SC03" = UTILITY-RATE
   TYPE             = NATURAL-GAS
   FUEL-METERS      = ( "FM1" )
   MONTH-CHGS       = ( 19.35 )
   BLOCK-CHARGES    = ( "GAS-BLK" )
   ..


$ *********************************************************
$ **                                                     **
$ **                  Output Reporting                   **
$ **                                                     **
$ *********************************************************

$ ---------------------------------------------------------
$              Loads Non-Hourly Reporting
$ ---------------------------------------------------------

LOADS-REPORT
   VERIFICATION     = ( LV-B, LV-D )
   SUMMARY          = ( LS-C, LS-D, LS-F, LS-I )
   ..


$ ---------------------------------------------------------
$              Systems Non-Hourly Reporting
```

```
$ ---------------------------------------------------------

SYSTEMS-REPORT
   VERIFICATION     = ( SV-A )
   SUMMARY          = ( ALL-SUMMARY )
   ..


$ ---------------------------------------------------------
$              Plant Non-Hourly Reporting
$ ---------------------------------------------------------

PLANT-REPORT
   ..


$ ---------------------------------------------------------
$              Economics Non-Hourly Reporting
$ ---------------------------------------------------------

ECONOMICS-REPORT
   ..


$ ---------------------------------------------------------
$              Hourly Reporting
$ ---------------------------------------------------------




$ ---------------------------------------------------------
$              THE END
$ ---------------------------------------------------------

END ..
COMPUTE ..
STOP ..
```

Output for LEED Design Model

NUMBER OF SPACES 29 EXTERIOR 20 INTERIOR 9

SPACE	SPACE*FLOOR MULTIPLIER	SPACE TYPE	AZIM	LIGHTS (WATT / SQFT)	PEOPLE	EQUIP (WATT / SQFT)	INFILTRATION METHOD	ACH	AREA (SQFT)	VOLUME (CUFT)
Spaces on floor: Floor-1										
Z01-191-COR	1.0	EXT	0.0	0.79	3.0	0.07	AIR-CHANGE	0.20	1792.0	25088.0
Z02-195-RR	1.0	INT	0.0	0.93	1.0	0.07	AIR-CHANGE	0.00	325.0	4550.0
Z03-199-STO	1.0	INT	0.0	0.98	1.0	0.07	AIR-CHANGE	0.00	481.0	6734.0
Z04-191-COR	1.0	EXT	0.0	0.76	3.0	0.07	AIR-CHANGE	0.20	1943.0	27202.0
Z05-10A-CLA	1.0	INT	0.0	0.83	17.0	0.49	AIR-CHANGE	0.00	961.0	13454.0
Z06-10B-CLA	1.0	INT	0.0	0.83	17.0	0.49	AIR-CHANGE	0.00	961.0	13454.0
Z07-110-CLAB	1.0	INT	0.0	1.15	8.0	0.75	AIR-CHANGE	0.00	620.0	8680.0
Z08-127-CLAB	1.0	INT	0.0	1.15	8.0	0.75	AIR-CHANGE	0.00	620.0	8680.0
Z09-112-CLAB	1.0	INT	0.0	1.09	12.0	0.71	AIR-CHANGE	0.00	651.0	9114.0
Z10-125-CLAB	1.0	INT	0.0	1.09	12.0	0.71	AIR-CHANGE	0.00	651.0	9114.0
Z11-130-OFC	1.0	EXT	0.0	1.16	6.0	1.46	AIR-CHANGE	0.20	966.0	13524.0
Z12-126-OFC	1.0	EXT	0.0	0.71	1.0	0.84	AIR-CHANGE	0.20	224.0	3136.0
Z13-120-OFC	1.0	EXT	0.0	1.02	5.0	0.98	AIR-CHANGE	0.20	1050.0	14700.0
Z14-199-DATA	1.0	INT	0.0	1.30	1.0	4.14	AIR-CHANGE	0.00	91.0	1274.0
Spaces on floor: Floor-2										
Z15-293-COR	1.0	EXT	0.0	0.57	2.0	0.07	AIR-CHANGE	0.20	1435.0	25830.0
Z16-295-RR	1.0	EXT	0.0	0.93	1.0	0.07	AIR-CHANGE	0.00	325.0	5850.0
Z17-299-DATA	1.0	EXT	0.0	1.30	1.0	4.14	AIR-CHANGE	0.00	91.0	1638.0
Z18-209-OFC	1.0	EXT	0.0	1.22	3.0	1.60	AIR-CHANGE	0.20	351.0	6318.0
Z19-291-COR	1.0	EXT	0.0	0.64	3.0	0.07	AIR-CHANGE	0.00	1416.0	25488.0
Z20-206-CLAB	1.0	EXT	0.0	1.15	8.0	0.45	AIR-CHANGE	0.00	620.0	11160.0
Z21-212-LEARN	1.0	EXT	0.0	1.15	8.0	1.52	AIR-CHANGE	0.00	620.0	11160.0
Z22-208-CLAB	1.0	EXT	0.0	1.09	16.0	0.71	AIR-CHANGE	0.00	651.0	11718.0
Z23-212-LEARN	1.0	EXT	0.0	1.14	10.0	1.52	AIR-CHANGE	0.00	741.0	13338.0
Z24-210-OFC	1.0	EXT	0.0	0.87	3.0	1.53	AIR-CHANGE	0.00	429.0	7722.0
Z25-212-MEDIA	1.0	EXT	0.0	0.89	1.0	2.12	AIR-CHANGE	0.00	132.0	2376.0
Z26-211-FUND	1.0	EXT	0.0	1.28	20.0	1.31	AIR-CHANGE	0.20	1718.0	30924.0
Z27-215-BEDLAB	1.0	EXT	0.0	1.61	20.0	1.45	AIR-CHANGE	0.20	1292.0	23256.0
Z28-217-LOUNGE	1.0	EXT	0.0	1.57	6.0	1.16	AIR-CHANGE	0.20	602.0	10836.0
Z29-223-OFC	1.0	EXT	0.0	1.14	6.0	1.34	AIR-CHANGE	0.20	840.0	15120.0
BUILDING TOTALS					203.0				22599.0	361438.0

Monroe Community College School of Nursing DOE-2.2-44d5 11/02/2007 16:34:20 BDL RUN 1
NYSERDA NCP7190 LEED Design Building Model SAIC/Energy Systems Group
REPORT- PS-E Energy End-Use Summary for all Electric Meters WEATHER FILE- Rochester NY TMY2

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
-													
JAN													
KWH	3664.	0.	5470.	0.	583.	0.	803.	6480.	0.	0.	0.	312.	17313.
MAX KW	22.1	0.0	23.0	0.0	1.2	0.0	1.1	11.9	0.0	0.0	0.0	0.7	58.0
DAY/HR	23/11	0/ 0	23/11	0/ 0	30/12	0/ 0	27/ 6	26/14	0/ 0	0/ 0	0/ 0	1/ 1	26/11
PEAK ENDUSE	22.1	0.0	23.0	0.0	1.2	0.0	1.1	10.7	0.0	0.0	0.0	0.0	
PEAK PCT	38.1	0.0	39.5	0.0	2.0	0.0	1.9	18.4	0.0	0.0	0.0	0.0	
FEB													
KWH	4595.	0.	7401.	0.	527.	0.	701.	5741.	0.	0.	0.	282.	19247.
MAX KW	22.1	0.0	23.0	0.0	1.2	0.0	1.2	12.2	0.0	0.0	0.0	0.7	58.9
DAY/HR	1/11	0/ 0	1/11	0/ 0	2/11	0/ 0	12/ 6	9/14	0/ 0	0/ 0	0/ 0	1/ 1	16/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	1.2	0.0	1.1	11.8	0.0	0.0	0.0	0.0	
PEAK PCT	37.6	0.0	38.5	0.0	2.0	0.0	1.9	20.1	0.0	0.0	0.0	0.0	
MAR													
KWH	5882.	0.	9850.	0.	605.	0.	692.	5789.	0.	0.	0.	229.	23047.
MAX KW	22.1	0.0	23.0	0.0	5.2	0.0	1.1	12.0	0.0	0.0	0.0	0.7	58.3
DAY/HR	1/11	0/ 0	1/11	0/ 0	31/15	0/ 0	3/ 6	8/14	0/ 0	0/ 0	0/ 0	1/ 1	9/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	1.2	0.0	1.1	11.2	0.0	0.0	0.0	0.0	
PEAK PCT	38.0	0.0	39.0	0.0	2.0	0.0	1.9	19.2	0.0	0.0	0.0	0.0	
APR													
KWH	4902.	0.	7901.	0.	1189.	4.	576.	5097.	0.	0.	0.	222.	19890.
MAX KW	22.1	0.0	23.0	0.0	12.8	0.5	1.3	11.8	0.0	0.0	0.0	0.7	70.3
DAY/HR	2/11	0/ 0	2/11	0/ 0	4/11	4/11	4/14	4/15	0/ 0	0/ 0	0/ 0	1/ 2	4/11
PEAK ENDUSE	22.1	0.0	23.0	0.0	12.8	0.5	1.3	10.6	0.0	0.0	0.0	0.0	
PEAK PCT	31.5	0.0	32.6	0.0	18.3	0.7	1.9	15.1	0.0	0.0	0.0	0.0	
MAY													
KWH	5127.	0.	8070.	0.	1994.	46.	500.	5122.	0.	0.	0.	229.	21088.
MAX KW	22.1	0.0	23.0	0.0	18.7	1.1	1.4	14.9	0.0	0.0	0.0	0.7	79.1
DAY/HR	1/11	0/ 0	1/11	0/ 0	11/14	11/14	9/12	11/14	0/ 0	0/ 0	0/ 0	1/ 2	11/14
PEAK ENDUSE	21.4	0.0	22.2	0.0	18.7	1.1	0.8	14.9	0.0	0.0	0.0	0.0	
PEAK PCT	27.1	0.0	28.0	0.0	23.7	1.4	1.0	18.8	0.0	0.0	0.0	0.0	
JUN													
KWH	5635.	0.	9284.	0.	3796.	106.	403.	5155.	0.	0.	0.	161.	24539.
MAX KW	22.1	0.0	23.0	0.0	18.2	1.2	1.4	14.1	0.0	0.0	0.0	0.7	79.0
DAY/HR	1/11	0/ 0	1/11	0/ 0	8/15	17/14	1/11	14/15	0/ 0	0/ 0	0/ 0	1/ 2	8/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	18.2	1.1	0.8	14.1	0.0	0.0	0.0	0.0	
PEAK PCT	28.0	0.0	28.7	0.0	23.0	1.5	1.0	17.8	0.0	0.0	0.0	0.0	
JUL													
KWH	5130.	0.	8216.	0.	4834.	166.	373.	5336.	0.	0.	0.	167.	24221.
MAX KW	22.1	0.0	23.0	0.0	19.4	1.2	1.4	24.9	0.0	0.0	0.0	0.7	81.7
DAY/HR	9/11	0/ 0	9/11	0/ 0	19/15	19/15	9/13	20/ 6	0/ 0	0/ 0	0/ 0	1/ 2	19/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	19.4	1.2	0.8	15.4	0.0	0.0	0.0	0.0	
PEAK PCT	27.1	0.0	27.8	0.0	23.8	1.5	1.0	18.9	0.0	0.0	0.0	0.0	
AUG													
KWH	3803.	0.	5811.	0.	4338.	129.	388.	5093.	0.	0.	0.	167.	19728.
MAX KW	22.1	0.0	23.0	0.0	16.8	1.0	1.3	15.0	0.0	0.0	0.0	0.7	78.2
DAY/HR	1/11	0/ 0	1/11	0/ 0	3/15	28/17	9/14	3/15	0/ 0	0/ 0	0/ 0	1/ 2	3/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	16.8	0.8	0.7	15.0	0.0	0.0	0.0	0.0	
PEAK PCT	28.3	0.0	29.0	0.0	21.5	1.1	1.0	19.2	0.0	0.0	0.0	0.0	

SEP													
KWH	5349.	0.	8708.	0.	2492.	76.	474.	4875.	0.	0.	0.	222.	22196.
MAX KW	22.1	0.0	23.0	0.0	17.5	1.1	1.4	14.9	0.0	0.0	0.0	0.7	76.5
DAY/HR	4/11	0/ 0	4/11	0/ 0	5/11	5/11	4/11	5/ 6	0/ 0	0/ 0	0/ 0	1/ 2	5/11
PEAK ENDUSE	22.1	0.0	23.0	0.0	17.5	1.1	0.8	12.1	0.0	0.0	0.0	0.0	
PEAK PCT	28.9	0.0	30.0	0.0	22.8	1.4	1.0	15.8	0.0	0.0	0.0	0.0	
OCT													
KWH	5882.	0.	9641.	0.	1162.	8.	546.	4989.	0.	0.	0.	229.	22458.
MAX KW	22.1	0.0	23.0	0.0	14.0	0.5	1.3	13.5	0.0	0.0	0.0	0.7	73.7
DAY/HR	25/11	0/ 0	1/11	0/ 0	4/15	4/15	4/14	5/15	0/ 0	0/ 0	0/ 0	1/ 2	4/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	14.0	0.5	1.3	13.0	0.0	0.0	0.0	0.0	
PEAK PCT	30.1	0.0	30.8	0.0	19.0	0.7	1.8	17.6	0.0	0.0	0.0	0.0	
NOV													
KWH	5511.	0.	8986.	0.	549.	0.	598.	5057.	0.	0.	0.	302.	21004.
MAX KW	22.2	0.0	23.0	0.0	2.4	0.0	1.1	11.0	0.0	0.0	0.0	0.7	58.7
DAY/HR	23/15	0/ 0	1/11	0/ 0	7/14	0/ 0	26/ 6	9/15	0/ 0	0/ 0	0/ 0	1/ 1	9/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	1.8	0.0	1.1	11.0	0.0	0.0	0.0	0.0	
PEAK PCT	37.7	0.0	38.6	0.0	3.1	0.0	1.9	18.7	0.0	0.0	0.0	0.0	
DEC													
KWH	5009.	0.	8136.	0.	603.	0.	735.	6055.	0.	0.	0.	312.	20850.
MAX KW	22.2	0.0	23.0	0.0	6.0	0.0	1.2	12.3	0.0	0.0	0.0	0.7	62.0
DAY/HR	13/15	0/ 0	3/11	0/ 0	5/13	0/ 0	17/ 6	14/15	0/ 0	0/ 0	0/ 0	1/ 1	5/11
PEAK ENDUSE	22.1	0.0	23.0	0.0	5.4	0.0	1.1	10.4	0.0	0.0	0.0	0.0	
PEAK PCT	35.7	0.0	37.0	0.0	8.8	0.0	1.8	16.7	0.0	0.0	0.0	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	
========													
KWH	60490.	0.	97475.	0.	22671.	534.	6787.	64788.	0.	0.	0.	2835.	255580.
MAX KW	22.2	0.0	23.0	0.0	19.4	1.2	1.4	24.9	0.0	0.0	0.0	0.7	81.7
MON/DY	11/23	0/ 0	1/23	0/ 0	7/19	7/19	6/ 1	7/20	0/ 0	0/ 0	0/ 0	1/ 1	7/19
PEAK ENDUSE	22.1	0.0	22.7	0.0	19.4	1.2	0.8	15.4	0.0	0.0	0.0	0.0	
PEAK PCT	27.1	0.0	27.8	0.0	23.8	1.5	1.0	18.9	0.0	0.0	0.0	0.0	

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													
MBTU	0.	0.	0.	150.	0.	0.	0.	0.	0.	0.	7.	0.	157.
MAX MBTU/HR	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
DAY/HR	0/ 0	0/ 0	0/ 0	27/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/10	0/ 0	27/6
PEAK ENDUSE	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	
FEB													
MBTU	0.	0.	0.	125.	0.	0.	0.	0.	0.	0.	7.	0.	131.
MAX MBTU/HR	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
DAY/HR	0/ 0	0/ 0	0/ 0	12/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/10	0/ 0	12/6
PEAK ENDUSE	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	
MAR													
MBTU	0.	0.	0.	83.	0.	0.	0.	0.	0.	0.	8.	0.	91.
MAX MBTU/HR	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
DAY/HR	0/ 0	0/ 0	0/ 0	5/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/10	0/ 0	5/7
PEAK ENDUSE	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	
APR													
MBTU	0.	0.	0.	37.	0.	0.	0.	0.	0.	0.	7.	0.	45.
MAX MBTU/HR	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
DAY/HR	0/ 0	0/ 0	0/ 0	16/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/10	0/ 0	16/6
PEAK ENDUSE	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	
MAY													
MBTU	0.	0.	0.	16.	0.	0.	0.	0.	0.	0.	7.	0.	23.
MAX MBTU/HR	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
DAY/HR	0/ 0	0/ 0	0/ 0	29/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	25/14	0/ 0	29/7
PEAK ENDUSE	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	
JUN													
MBTU	0.	0.	0.	6.	0.	0.	0.	0.	0.	0.	6.	0.	12.
MAX MBTU/HR	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
DAY/HR	0/ 0	0/ 0	0/ 0	4/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	22/10	0/ 0	22/10
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	47.5	0.0	0.0	0.0	0.0	0.0	0.0	52.5	0.0	
JUL													
MBTU	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	6.	0.	9.
MAX MBTU/HR	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
DAY/HR	0/ 0	0/ 0	0/ 0	9/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/10	0/ 0	9/7
PEAK ENDUSE	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	97.9	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	
AUG													
MBTU	0.	0.	0.	4.	0.	0.	0.	0.	0.	0.	6.	0.	10.
MAX MBTU/HR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
DAY/HR	0/ 0	0/ 0	0/ 0	1/11	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	22/10	0/ 0	22/10
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	0.0	

SEP													
MBTU	0.	0.	0.	11.	0.	0.	0.	0.	0.	0.	5.	0.	17.
MAX MBTU/HR	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
DAY/HR	0/ 0	0/ 0	0/ 0	17/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	21/10	0/ 0	17/7
PEAK ENDUSE	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	98.1	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	
OCT													
MBTU	0.	0.	0.	23.	0.	0.	0.	0.	0.	0.	6.	0.	29.
MAX MBTU/HR	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
DAY/HR	0/ 0	0/ 0	0/ 0	29/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	22/10	0/ 0	29/7
PEAK ENDUSE	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	
NOV													
MBTU	0.	0.	0.	55.	0.	0.	0.	0.	0.	0.	6.	0.	61.
MAX MBTU/HR	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
DAY/HR	0/ 0	0/ 0	0/ 0	26/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	27/10	0/ 0	26/6
PEAK ENDUSE	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	
DEC													
MBTU	0.	0.	0.	100.	0.	0.	0.	0.	0.	0.	7.	0.	107.
MAX MBTU/HR	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
DAY/HR	0/ 0	0/ 0	0/ 0	17/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	31/10	0/ 0	17/6
PEAK ENDUSE	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	
========													
MBTU	0.	0.	0.	615.	0.	0.	0.	0.	0.	0.	78.	0.	693.
MAX MBTU/HR	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
MON/DY	0/ 0	0/ 0	0/ 0	2/12	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/ 1	0/ 0	2/12
PEAK ENDUSE	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
-													
JAN													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	312.	312.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
FEB													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	282.	282.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
MAR													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	229.	229.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
APR													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	222.	222.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
MAY													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	229.	229.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
JUN													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	161.	161.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
JUL													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	167.	167.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
AUG													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	167.	167.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

SEP													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	222.	222.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
OCT													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	229.	229.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
NOV													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	302.	302.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
DEC													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	312.	312.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	
========													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2835.	2835.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
MON/DY	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

Monroe Community College School of Nursing DOE-2.2-44d5 11/02/2007 16:34:20 BDL RUN 1
NYSERDA NCP7190 LEED Design Building Model SAIC/Energy Systems Group
REPORT- PS-F Energy End-Use Summary for EM1 WEATHER FILE- Rochester NY TMY2

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
-													
JAN													
KWH	3664.	0.	5470.	0.	583.	0.	803.	6480.	0.	0.	0.	312.	17313.
MAX KW	22.1	0.0	23.0	0.0	1.2	0.0	1.1	11.9	0.0	0.0	0.0	0.7	58.0
DAY/HR	23/11	0/ 0	23/11	0/ 0	30/12	0/ 0	27/ 6	26/14	0/ 0	0/ 0	0/ 0	1/ 1	26/11
PEAK ENDUSE	22.1	0.0	23.0	0.0	1.2	0.0	1.1	10.7	0.0	0.0	0.0	0.0	
PEAK PCT	38.1	0.0	39.5	0.0	2.0	0.0	1.9	18.4	0.0	0.0	0.0	0.0	
FEB													
KWH	4595.	0.	7401.	0.	527.	0.	701.	5741.	0.	0.	0.	282.	19247.
MAX KW	22.1	0.0	23.0	0.0	1.2	0.0	1.2	12.2	0.0	0.0	0.0	0.7	58.9
DAY/HR	1/11	0/ 0	1/11	0/ 0	2/11	0/ 0	12/ 6	9/14	0/ 0	0/ 0	0/ 0	1/ 1	16/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	1.2	0.0	1.1	11.8	0.0	0.0	0.0	0.0	
PEAK PCT	37.6	0.0	38.5	0.0	2.0	0.0	1.9	20.1	0.0	0.0	0.0	0.0	
MAR													
KWH	5882.	0.	9850.	0.	605.	0.	692.	5789.	0.	0.	0.	229.	23047.
MAX KW	22.1	0.0	23.0	0.0	5.2	0.0	1.1	12.0	0.0	0.0	0.0	0.7	58.3
DAY/HR	1/11	0/ 0	1/11	0/ 0	31/15	0/ 0	3/ 6	8/14	0/ 0	0/ 0	0/ 0	1/ 1	9/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	1.2	0.0	1.1	11.2	0.0	0.0	0.0	0.0	
PEAK PCT	38.0	0.0	39.0	0.0	2.0	0.0	1.9	19.2	0.0	0.0	0.0	0.0	
APR													
KWH	4902.	0.	7901.	0.	1189.	4.	576.	5097.	0.	0.	0.	222.	19890.
MAX KW	22.1	0.0	23.0	0.0	12.8	0.5	1.3	11.8	0.0	0.0	0.0	0.7	70.3
DAY/HR	2/11	0/ 0	2/11	0/ 0	4/11	4/11	4/14	4/15	0/ 0	0/ 0	0/ 0	1/ 2	4/11
PEAK ENDUSE	22.1	0.0	23.0	0.0	12.8	0.5	1.3	10.6	0.0	0.0	0.0	0.0	
PEAK PCT	31.5	0.0	32.6	0.0	18.3	0.7	1.9	15.1	0.0	0.0	0.0	0.0	
MAY													
KWH	5127.	0.	8070.	0.	1994.	46.	500.	5122.	0.	0.	0.	229.	21088.
MAX KW	22.1	0.0	23.0	0.0	18.7	1.1	1.4	14.9	0.0	0.0	0.0	0.7	79.1
DAY/HR	1/11	0/ 0	1/11	0/ 0	11/14	11/14	9/12	11/14	0/ 0	0/ 0	0/ 0	1/ 2	11/14
PEAK ENDUSE	21.4	0.0	22.2	0.0	18.7	1.1	0.8	14.9	0.0	0.0	0.0	0.0	
PEAK PCT	27.1	0.0	28.0	0.0	23.7	1.4	1.0	18.8	0.0	0.0	0.0	0.0	
JUN													
KWH	5635.	0.	9284.	0.	3796.	106.	403.	5155.	0.	0.	0.	161.	24539.
MAX KW	22.1	0.0	23.0	0.0	18.2	1.2	1.4	14.1	0.0	0.0	0.0	0.7	79.0
DAY/HR	1/11	0/ 0	1/11	0/ 0	8/15	17/14	1/11	14/15	0/ 0	0/ 0	0/ 0	1/ 2	8/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	18.2	1.1	0.8	14.1	0.0	0.0	0.0	0.0	
PEAK PCT	28.0	0.0	28.7	0.0	23.0	1.5	1.0	17.8	0.0	0.0	0.0	0.0	
JUL													
KWH	5130.	0.	8216.	0.	4834.	166.	373.	5336.	0.	0.	0.	167.	24221.
MAX KW	22.1	0.0	23.0	0.0	19.4	1.2	1.4	24.9	0.0	0.0	0.0	0.7	81.7
DAY/HR	9/11	0/ 0	9/11	0/ 0	19/15	19/15	9/13	20/ 6	0/ 0	0/ 0	0/ 0	1/ 2	19/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	19.4	1.2	0.8	15.4	0.0	0.0	0.0	0.0	
PEAK PCT	27.1	0.0	27.8	0.0	23.8	1.5	1.0	18.9	0.0	0.0	0.0	0.0	
AUG													
KWH	3803.	0.	5811.	0.	4338.	129.	388.	5093.	0.	0.	0.	167.	19728.
MAX KW	22.1	0.0	23.0	0.0	16.8	1.0	1.3	15.0	0.0	0.0	0.0	0.7	78.2
DAY/HR	1/11	0/ 0	1/11	0/ 0	3/15	28/17	9/14	3/15	0/ 0	0/ 0	0/ 0	1/ 2	3/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	16.8	0.8	0.7	15.0	0.0	0.0	0.0	0.0	
PEAK PCT	28.3	0.0	29.0	0.0	21.5	1.1	1.0	19.2	0.0	0.0	0.0	0.0	

SEP													
KWH	5349.	0.	8708.	0.	2492.	76.	474.	4875.	0.	0.	0.	222.	22196.
MAX KW	22.1	0.0	23.0	0.0	17.5	1.1	1.4	14.9	0.0	0.0	0.0	0.7	76.5
DAY/HR	4/11	0/ 0	4/11	0/ 0	5/11	5/11	4/11	5/ 6	0/ 0	0/ 0	0/ 0	1/ 2	5/11
PEAK ENDUSE	22.1	0.0	23.0	0.0	17.5	1.1	0.8	12.1	0.0	0.0	0.0	0.0	
PEAK PCT	28.9	0.0	30.0	0.0	22.8	1.4	1.0	15.8	0.0	0.0	0.0	0.0	
OCT													
KWH	5882.	0.	9641.	0.	1162.	8.	546.	4989.	0.	0.	0.	229.	22458.
MAX KW	22.1	0.0	23.0	0.0	14.0	0.5	1.3	13.5	0.0	0.0	0.0	0.7	73.7
DAY/HR	25/11	0/ 0	1/11	0/ 0	4/15	4/15	4/14	5/15	0/ 0	0/ 0	0/ 0	1/ 2	4/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	14.0	0.5	1.3	13.0	0.0	0.0	0.0	0.0	
PEAK PCT	30.1	0.0	30.8	0.0	19.0	0.7	1.8	17.6	0.0	0.0	0.0	0.0	
NOV													
KWH	5511.	0.	8986.	0.	549.	0.	598.	5057.	0.	0.	0.	302.	21004.
MAX KW	22.2	0.0	23.0	0.0	2.4	0.0	1.1	11.0	0.0	0.0	0.0	0.7	58.7
DAY/HR	23/15	0/ 0	1/11	0/ 0	7/14	0/ 0	26/ 6	9/15	0/ 0	0/ 0	0/ 0	1/ 1	9/15
PEAK ENDUSE	22.1	0.0	22.7	0.0	1.8	0.0	1.1	11.0	0.0	0.0	0.0	0.0	
PEAK PCT	37.7	0.0	38.6	0.0	3.1	0.0	1.9	18.7	0.0	0.0	0.0	0.0	
DEC													
KWH	5009.	0.	8136.	0.	603.	0.	735.	6055.	0.	0.	0.	312.	20850.
MAX KW	22.2	0.0	23.0	0.0	6.0	0.0	1.2	12.3	0.0	0.0	0.0	0.7	62.0
DAY/HR	13/15	0/ 0	3/11	0/ 0	5/13	0/ 0	17/ 6	14/15	0/ 0	0/ 0	0/ 0	1/ 1	5/11
PEAK ENDUSE	22.1	0.0	23.0	0.0	5.4	0.0	1.1	10.4	0.0	0.0	0.0	0.0	
PEAK PCT	35.7	0.0	37.0	0.0	8.8	0.0	1.8	16.7	0.0	0.0	0.0	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	
========													
KWH	60490.	0.	97475.	0.	22671.	534.	6787.	64788.	0.	0.	0.	2835.	255580.
MAX KW	22.2	0.0	23.0	0.0	19.4	1.2	1.4	24.9	0.0	0.0	0.0	0.7	81.7
MON/DY	11/23	0/ 0	1/23	0/ 0	7/19	7/19	6/ 1	7/20	0/ 0	0/ 0	0/ 0	1/ 1	7/19
PEAK ENDUSE	22.1	0.0	22.7	0.0	19.4	1.2	0.8	15.4	0.0	0.0	0.0	0.0	
PEAK PCT	27.1	0.0	27.8	0.0	23.8	1.5	1.0	18.9	0.0	0.0	0.0	0.0	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

Monroe Community College　　School of Nursing　　DOE-2.2-44d5 11/02/2007 16:34:20 BDL RUN 1
NYSERDA NCP7190　　LEED Design Building Model　　SAIC/Energy Systems Group
REPORT- PS-F Energy End-Use Summary for　Submeter 2 - Elevator　　WEATHER FILE- Rochester NY TMY2

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
-													
JAN													
KWH	0.	0.	1153.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1153.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	2/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
FEB													
KWH	0.	0.	1047.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1047.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAR													
KWH	0.	0.	1216.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1216.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
APR													
KWH	0.	0.	1153.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1153.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	2/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAY													
KWH	0.	0.	1206.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1206.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
JUN													
KWH	0.	0.	1163.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1163.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
JUL													
KWH	0.	0.	1153.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1153.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	2/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
AUG													
KWH	0.	0.	1259.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1259.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

SEP													
KWH	0.	0.	1057.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1057.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	4/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	4/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OCT													
KWH	0.	0.	1206.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1206.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NOV													
KWH	0.	0.	1100.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1100.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DEC													
KWH	0.	0.	1110.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1110.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	3/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	3/9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	
========													
KWH	0.	0.	13823.	0.	0.	0.	0.	0.	0.	0.	0.	0.	13823.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
MON/DY	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/2
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

Monroe Community College School of Nursing DOE-2.2-44d5 11/02/2007 16:34:20 BDL RUN 1
NYSERDA NCP7190 LEED Design Building Model SAIC/Energy Systems Group
REPORT- PS-F Energy End-Use Summary for FM1 WEATHER FILE- Rochester NY TMY2

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
-													
JAN													
THERM	0.	0.	0.	1501.	0.	0.	0.	0.	0.	0.	72.	0.	1573.
MAX THERM/HR	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	4.0
DAY/HR	0/ 0	0/ 0	0/ 0	27/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/10	0/ 0	27/6
PEAK ENDUSE	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	
FEB													
THERM	0.	0.	0.	1248.	0.	0.	0.	0.	0.	0.	67.	0.	1315.
MAX THERM/HR	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	4.7
DAY/HR	0/ 0	0/ 0	0/ 0	12/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/10	0/ 0	12/6
PEAK ENDUSE	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	
MAR													
THERM	0.	0.	0.	833.	0.	0.	0.	0.	0.	0.	77.	0.	909.
MAX THERM/HR	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	3.5
DAY/HR	0/ 0	0/ 0	0/ 0	5/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/10	0/ 0	5/7
PEAK ENDUSE	0.0	0.0	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	
APR													
THERM	0.	0.	0.	374.	0.	0.	0.	0.	0.	0.	72.	0.	446.
MAX THERM/HR	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	3.1
DAY/HR	0/ 0	0/ 0	0/ 0	16/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/10	0/ 0	16/6
PEAK ENDUSE	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	
MAY													
THERM	0.	0.	0.	164.	0.	0.	0.	0.	0.	0.	70.	0.	234.
MAX THERM/HR	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	2.6
DAY/HR	0/ 0	0/ 0	0/ 0	29/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	25/14	0/ 0	29/7
PEAK ENDUSE	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	
JUN													
THERM	0.	0.	0.	57.	0.	0.	0.	0.	0.	0.	62.	0.	119.
MAX THERM/HR	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	4/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	22/10	0/ 0	22/10
PEAK ENDUSE	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	
PEAK PCT	0.0	0.0	0.0	47.5	0.0	0.0	0.0	0.0	0.0	0.0	52.5	0.0	
JUL													
THERM	0.	0.	0.	31.	0.	0.	0.	0.	0.	0.	59.	0.	90.
MAX THERM/HR	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.1
DAY/HR	0/ 0	0/ 0	0/ 0	9/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/10	0/ 0	9/7
PEAK ENDUSE	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	97.9	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	
AUG													
THERM	0.	0.	0.	42.	0.	0.	0.	0.	0.	0.	60.	0.	102.
MAX THERM/HR	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.6
DAY/HR	0/ 0	0/ 0	0/ 0	1/11	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	22/10	0/ 0	22/10
PEAK ENDUSE	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	
PEAK PCT	0.0	0.0	0.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	49.0	0.0	

SEP													
THERM	0.	0.	0.	115.	0.	0.	0.	0.	0.	0.	52.	0.	167.
MAX THERM/HR	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.2
DAY/HR	0/ 0	0/ 0	0/ 0	17/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	21/10	0/ 0	17/7
PEAK ENDUSE	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	98.1	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	
OCT													
THERM	0.	0.	0.	233.	0.	0.	0.	0.	0.	0.	61.	0.	294.
MAX THERM/HR	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	2.4
DAY/HR	0/ 0	0/ 0	0/ 0	29/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	22/10	0/ 0	29/7
PEAK ENDUSE	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	
NOV													
THERM	0.	0.	0.	549.	0.	0.	0.	0.	0.	0.	60.	0.	609.
MAX THERM/HR	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	3.2
DAY/HR	0/ 0	0/ 0	0/ 0	26/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	27/10	0/ 0	26/6
PEAK ENDUSE	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	
DEC													
THERM	0.	0.	0.	1003.	0.	0.	0.	0.	0.	0.	65.	0.	1068.
MAX THERM/HR	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	4.3
DAY/HR	0/ 0	0/ 0	0/ 0	17/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	31/10	0/ 0	17/6
PEAK ENDUSE	0.0	0.0	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	
========													
THERM	0.	0.	0.	6149.	0.	0.	0.	0.	0.	0.	776.	0.	6925.
MAX THERM/HR	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	4.7
MON/DY	0/ 0	0/ 0	0/ 0	2/12	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/ 1	0/ 0	2/12
PEAK ENDUSE	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
EM1 ELECTRICITY													
MBTU	206.4	0.0	332.7	0.0	77.4	1.8	23.2	221.1	0.0	0.0	0.0	9.7	872.3
FM1 NATURAL-GAS													
MBTU	0.0	0.0	0.0	614.9	0.0	0.0	0.0	0.0	0.0	0.0	77.6	0.0	692.5
MBTU	206.4	0.0	332.7	614.9	77.4	1.8	23.2	221.1	0.0	0.0	77.6	9.7	1564.8

TOTAL SITE ENERGY 1564.79 MBTU 69.2 KBTU/SQFT-YR GROSS-AREA 69.2 KBTU/SQFT-YR NET-AREA
TOTAL SOURCE ENERGY 3309.37 MBTU 146.4 KBTU/SQFT-YR GROSS-AREA 146.4 KBTU/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 0.0
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.0

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
EM1 ELECTRICITY KWH	60490.	0.	97475.	0.	22671.	534.	6787.	64788.	0.	0.	0.	2835.	255580.
FM1 NATURAL-GAS THERM	0.	0.	0.	6149.	0.	0.	0.	0.	0.	0.	776.	0.	6925.

TOTAL ELECTRICITY 255580. KWH 11.309 KWH /SQFT-YR GROSS-AREA 11.309 KWH /SQFT-YR NET-AREA
TOTAL NATURAL-GAS 6925. THERM 0.306 THERM /SQFT-YR GROSS-AREA 0.306 THERM /SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 0.0
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.0

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

UTILITY-RATE	RESOURCE	METERS	METERED ENERGY UNITS/YR	TOTAL CHARGE ($)	VIRTUAL RATE ($/UNIT)	RATE USED ALL YEAR?
RGEE-SC08	ELECTRICITY	EM1	255580. KWH	38575.	0.1509	YES
RGEG-SC03	NATURAL-GAS	FM1	6925. THERM	7467.	1.0783	YES
				46043.		

ENERGY COST/GROSS BLDG AREA: 2.04
ENERGY COST/NET BLDG AREA: 2.04

RESOURCE: ELECTRICITY DEMAND-INTERVAL 15 3413. BTU/KWH
BILLING-DAY: 31 RATE-LIMITATION: 0.0000
METERS: EM1
POWER-FACTOR: 0.80 EXCESS-KVAR-FRAC: 0.75 EXCESS-KVAR-CHG: 0.0000

RATE-QUALIFICATIONS		BLOCK-CHARGES	DEMAND-RATCHETS	MIN-MON-RATCHETS
MIN-ENERGY:	0.0	ON-PEAK		
MAX-ENERGY:	0.0	OFF-PEAK		
MIN-DEMAND:	0.0			
MAX-DEMAND:	0.0			
QUALIFY-RATE:	ALL YEAR			
USE-MIN-QUAL:	NO			

MONTH	METERED ENERGY KWH	BILLING ENERGY KWH	METERED DEMAND KW	BILLING DEMAND KW	ENERGY CHARGE ($)	DEMAND CHARGE ($)	ENERGY CST ADJ ($)	TAXES ($)	SURCHRG ($)	FIXED CHARGE ($)	MINIMUM CHARGE ($)	VIRTUAL RATE ($/UNIT)	TOTAL CHARGE ($)
JAN	17313	17313	58.9	58.9	1681	567	0	0	0	435	0	0.1550	2683
FEB	19247	19247	59.5	59.5	1885	573	0	0	0	435	0	0.1503	2893
MAR	23047	23047	59.3	59.3	2276	571	0	0	0	435	0	0.1424	3282
APR	19890	19890	70.8	70.8	1965	682	0	0	0	435	0	0.1550	3083
MAY	21088	21088	79.6	79.6	2100	766	0	0	0	435	0	0.1566	3302
JUN	24539	24539	79.6	79.6	2435	767	0	0	0	435	0	0.1482	3637
JUL	24221	24221	82.3	82.3	2400	793	0	0	0	435	0	0.1498	3629
AUG	19728	19728	78.8	78.8	1963	759	0	0	0	435	0	0.1600	3157
SEP	22196	22196	77.1	77.1	2188	743	0	0	0	435	0	0.1516	3366
OCT	22458	22458	74.3	74.3	2240	716	0	0	0	435	0	0.1510	3391
NOV	21004	21004	59.3	59.3	2073	571	0	0	0	435	0	0.1466	3080
DEC	20850	20850	62.5	62.5	2035	602	0	0	0	435	0	0.1473	3072
TOTAL	255580	255580	82.3		25241	8109	0	0	0	5225		0.1509	38575

RESOURCE: NATURAL-GAS DEMAND-INTERVAL 60 100000. BTU/THERM
BILLING-DAY: 31 RATE-LIMITATION: 0.0000
METERS: FM1

RATE-QUALIFICATIONS		BLOCK-CHARGES	DEMAND-RATCHETS	MIN-MON-RATCHETS
MIN-ENERGY:	0.0	GAS-BLK		
MAX-ENERGY:	0.0			
MIN-DEMAND:	0.0			
MAX-DEMAND:	0.0			
QUALIFY-RATE:	ALL YEAR			
USE-MIN-QUAL:	NO			

MONTH	METERED ENERGY THERM	BILLING ENERGY THERM	METERED DEMAND THERM/HR	BILLING DEMAND THERM/HR	ENERGY CHARGE ($)	DEMAND CHARGE ($)	ENERGY CST ADJ ($)	TAXES ($)	SURCHRG ($)	FIXED CHARGE ($)	MINIMUM CHARGE ($)	VIRTUAL RATE ($/UNIT)	TOTAL CHARGE ($)
JAN	1573	1573	4.0	4.0	1612	0	0	0	0	19	0	1.0374	1631
FEB	1315	1315	4.7	4.7	1352	0	0	0	0	19	0	1.0433	1372
MAR	909	909	3.5	3.5	944	0	0	0	0	19	0	1.0594	963
APR	446	446	3.1	3.1	477	0	0	0	0	19	0	1.1138	496
MAY	234	234	2.6	2.6	259	0	0	0	0	19	0	1.1883	278
JUN	119	119	0.7	0.7	130	0	0	0	0	19	0	1.2543	149
JUL	90	90	1.1	1.1	98	0	0	0	0	19	0	1.2974	117
AUG	102	102	0.6	0.6	110	0	0	0	0	19	0	1.2773	130
SEP	167	167	1.2	1.2	184	0	0	0	0	19	0	1.2157	203
OCT	294	294	2.4	2.4	324	0	0	0	0	19	0	1.1690	344
NOV	609	609	3.2	3.2	642	0	0	0	0	19	0	1.0852	661
DEC	1068	1068	4.3	4.3	1104	0	0	0	0	19	0	1.0517	1123
TOTAL	6925	6925	4.7		7235	0	0	0	0	232		1.0783	7467

Output for LEED Baseline Model

NUMBER OF SPACES 29 EXTERIOR 20 INTERIOR 9

SPACE	SPACE*FLOOR MULTIPLIER	SPACE TYPE	AZIM	LIGHTS (WATT / SQFT)	PEOPLE	EQUIP (WATT / SQFT)	INFILTRATION METHOD	ACH	AREA (SQFT)	VOLUME (CUFT)
Spaces on floor: Floor-1										
Z01-191-COR	1.0	EXT	0.0	0.92	3.0	0.07	AIR-CHANGE	0.20	1792.0	25088.0
Z02-195-RR	1.0	INT	0.0	1.08	1.0	0.07	AIR-CHANGE	0.00	325.0	4550.0
Z03-199-STO	1.0	INT	0.0	1.14	1.0	0.07	AIR-CHANGE	0.00	481.0	6734.0
Z04-191-COR	1.0	EXT	0.0	0.89	3.0	0.07	AIR-CHANGE	0.20	1943.0	27202.0
Z05-10A-CLA	1.0	INT	0.0	0.97	17.0	0.49	AIR-CHANGE	0.00	961.0	13454.0
Z06-10B-CLA	1.0	INT	0.0	0.97	17.0	0.49	AIR-CHANGE	0.00	961.0	13454.0
Z07-110-CLAB	1.0	INT	0.0	1.34	8.0	0.75	AIR-CHANGE	0.00	620.0	8680.0
Z08-127-CLAB	1.0	INT	0.0	1.34	8.0	0.75	AIR-CHANGE	0.00	620.0	8680.0
Z09-112-CLAB	1.0	INT	0.0	1.27	12.0	0.71	AIR-CHANGE	0.00	651.0	9114.0
Z10-125-CLAB	1.0	INT	0.0	1.27	12.0	0.71	AIR-CHANGE	0.00	651.0	9114.0
Z11-130-OFC	1.0	EXT	0.0	1.50	6.0	1.46	AIR-CHANGE	0.20	966.0	13524.0
Z12-126-OFC	1.0	EXT	0.0	0.92	1.0	0.84	AIR-CHANGE	0.20	224.0	3136.0
Z13-120-OFC	1.0	EXT	0.0	1.32	5.0	0.98	AIR-CHANGE	0.20	1050.0	14700.0
Z14-199-DATA	1.0	INT	0.0	1.51	1.0	4.14	AIR-CHANGE	0.00	91.0	1274.0
Spaces on floor: Floor-2										
Z15-293-COR	1.0	EXT	0.0	0.66	2.0	0.07	AIR-CHANGE	0.20	1435.0	25830.0
Z16-295-RR	1.0	EXT	0.0	1.08	1.0	0.07	AIR-CHANGE	0.00	325.0	5850.0
Z17-299-DATA	1.0	EXT	0.0	1.51	1.0	4.14	AIR-CHANGE	0.00	91.0	1638.0
Z18-209-OFC	1.0	EXT	0.0	1.57	3.0	1.60	AIR-CHANGE	0.20	351.0	6318.0
Z19-291-COR	1.0	EXT	0.0	0.75	3.0	0.07	AIR-CHANGE	0.00	1416.0	25488.0
Z20-206-CLAB	1.0	EXT	0.0	1.34	8.0	0.45	AIR-CHANGE	0.00	620.0	11160.0
Z21-212-LEARN	1.0	EXT	0.0	1.34	8.0	1.52	AIR-CHANGE	0.00	620.0	11160.0
Z22-208-CLAB	1.0	EXT	0.0	1.27	16.0	0.71	AIR-CHANGE	0.00	651.0	11718.0
Z23-212-LEARN	1.0	EXT	0.0	1.33	10.0	1.52	AIR-CHANGE	0.00	741.0	13338.0
Z24-210-OFC	1.0	EXT	0.0	1.13	3.0	1.53	AIR-CHANGE	0.00	429.0	7722.0
Z25-212-MEDIA	1.0	EXT	0.0	1.04	1.0	2.12	AIR-CHANGE	0.00	132.0	2376.0
Z26-211-FUND	1.0	EXT	0.0	1.49	20.0	1.31	AIR-CHANGE	0.20	1718.0	30924.0
Z27-215-BEDLAB	1.0	EXT	0.0	1.88	20.0	1.45	AIR-CHANGE	0.20	1292.0	23256.0
Z28-217-LOUNGE	1.0	EXT	0.0	1.83	6.0	1.16	AIR-CHANGE	0.20	602.0	10836.0
Z29-223-OFC	1.0	EXT	0.0	1.48	6.0	1.34	AIR-CHANGE	0.20	840.0	15120.0
BUILDING TOTALS					203.0				22599.0	361438.0

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													
KWH	4344.	0.	5487.	0.	183.	0.	1004.	13001.	0.	0.	0.	312.	24332.
MAX KW	27.1	0.0	23.0	0.0	0.8	0.0	1.3	21.0	0.0	0.0	0.0	0.7	73.3
DAY/HR	23/11	0/ 0	23/11	0/ 0	30/15	0/ 0	1/ 1	1/10	0/ 0	0/ 0	0/ 0	1/ 1	30/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	0.8	0.0	1.3	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	37.0	0.0	31.3	0.0	1.1	0.0	1.8	28.7	0.0	0.0	0.0	0.0	
FEB													
KWH	5516.	0.	7439.	0.	177.	0.	894.	11068.	0.	0.	0.	282.	25376.
MAX KW	27.1	0.0	23.0	0.0	1.8	0.0	1.3	21.0	0.0	0.0	0.0	0.7	73.2
DAY/HR	1/11	0/ 0	1/11	0/ 0	2/15	0/ 0	1/ 1	1/ 7	0/ 0	0/ 0	0/ 0	1/ 1	7/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	0.8	0.0	1.3	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	37.0	0.0	31.3	0.0	1.0	0.0	1.8	28.7	0.0	0.0	0.0	0.0	
MAR													
KWH	7099.	0.	9908.	0.	257.	0.	944.	11501.	0.	0.	0.	229.	29939.
MAX KW	27.1	0.0	23.0	0.0	7.4	0.0	1.3	21.0	0.0	0.0	0.0	0.7	75.6
DAY/HR	1/11	0/ 0	1/11	0/ 0	31/14	0/ 0	1/ 1	1/ 7	0/ 0	0/ 0	0/ 0	1/ 1	30/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	4.5	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	35.9	0.0	30.4	0.0	6.0	0.0	0.0	27.8	0.0	0.0	0.0	0.0	
APR													
KWH	5896.	0.	7941.	0.	1190.	0.	559.	10291.	0.	0.	0.	222.	26101.
MAX KW	27.1	0.0	23.0	0.0	21.0	0.0	1.3	21.0	0.0	0.0	0.0	0.7	92.1
DAY/HR	2/11	0/ 0	2/11	0/ 0	4/14	0/ 0	1/ 2	1/10	0/ 0	0/ 0	0/ 0	1/ 2	4/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	21.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	29.5	0.0	24.9	0.0	22.8	0.0	0.0	22.9	0.0	0.0	0.0	0.0	
MAY													
KWH	6172.	0.	8110.	0.	2843.	0.	365.	10079.	0.	0.	0.	229.	27798.
MAX KW	27.1	0.0	23.0	0.0	32.4	0.0	1.3	21.0	0.0	0.0	0.0	0.7	102.8
DAY/HR	1/11	0/ 0	1/11	0/ 0	9/14	0/ 0	1/ 2	1/ 7	0/ 0	0/ 0	0/ 0	1/ 2	9/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	31.7	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	26.4	0.0	22.3	0.0	30.8	0.0	0.0	20.5	0.0	0.0	0.0	0.0	
JUN													
KWH	6813.	0.	9337.	0.	6274.	0.	31.	9931.	0.	0.	0.	161.	32547.
MAX KW	27.1	0.0	23.0	0.0	34.6	0.0	1.3	21.0	0.0	0.0	0.0	0.7	105.7
DAY/HR	1/11	0/ 0	1/11	0/ 0	11/15	0/ 0	3/ 1	1/ 7	0/ 0	0/ 0	0/ 0	1/ 2	11/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	34.6	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	25.7	0.0	21.7	0.0	32.7	0.0	0.0	19.9	0.0	0.0	0.0	0.0	
JUL													
KWH	6177.	0.	8258.	0.	7192.	0.	0.	10021.	0.	0.	0.	167.	31815.
MAX KW	27.1	0.0	23.0	0.0	35.8	0.0	0.0	21.0	0.0	0.0	0.0	0.7	106.9
DAY/HR	9/11	0/ 0	9/11	0/ 0	30/15	0/ 0	0/ 0	1/10	0/ 0	0/ 0	0/ 0	1/ 2	30/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	35.8	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	25.4	0.0	21.5	0.0	33.5	0.0	0.0	19.7	0.0	0.0	0.0	0.0	
AUG													
KWH	4526.	0.	5830.	0.	4984.	0.	0.	10058.	0.	0.	0.	167.	25565.
MAX KW	27.1	0.0	23.0	0.0	30.8	0.0	0.0	21.0	0.0	0.0	0.0	0.7	101.9
DAY/HR	1/11	0/ 0	1/11	0/ 0	3/15	0/ 0	0/ 0	1/ 7	0/ 0	0/ 0	0/ 0	1/ 2	3/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	30.8	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	26.6	0.0	22.5	0.0	30.2	0.0	0.0	20.6	0.0	0.0	0.0	0.0	

SEP													
KWH	6448.	0.	8757.	0.	4019.	0.	128.	9541.	0.	0.	0.	222.	29116.
MAX KW	27.1	0.0	23.0	0.0	35.9	0.0	1.3	21.0	0.0	0.0	0.0	0.7	107.0
DAY/HR	4/11	0/ 0	4/11	0/ 0	4/15	0/ 0	8/ 2	1/ 8	0/ 0	0/ 0	0/ 0	1/ 2	4/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	35.9	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	25.3	0.0	21.4	0.0	33.6	0.0	0.0	19.7	0.0	0.0	0.0	0.0	
OCT													
KWH	7094.	0.	9697.	0.	1542.	0.	528.	10119.	0.	0.	0.	229.	29208.
MAX KW	27.1	0.0	23.0	0.0	23.7	0.0	1.3	21.0	0.0	0.0	0.0	0.7	94.6
DAY/HR	1/11	0/ 0	1/11	0/ 0	4/17	0/ 0	1/ 2	1/ 7	0/ 0	0/ 0	0/ 0	1/ 2	4/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	23.5	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	28.7	0.0	24.3	0.0	24.8	0.0	0.0	22.2	0.0	0.0	0.0	0.0	
NOV													
KWH	6631.	0.	9037.	0.	241.	0.	882.	10681.	0.	0.	0.	302.	27774.
MAX KW	27.1	0.0	23.0	0.0	6.1	0.0	1.3	21.0	0.0	0.0	0.0	0.7	77.2
DAY/HR	1/11	0/ 0	1/11	0/ 0	7/15	0/ 0	1/ 1	1/ 7	0/ 0	0/ 0	0/ 0	1/ 1	7/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	6.1	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	35.1	0.0	29.7	0.0	7.9	0.0	0.0	27.2	0.0	0.0	0.0	0.0	
DEC													
KWH	6000.	0.	8179.	0.	277.	0.	930.	11803.	0.	0.	0.	312.	27502.
MAX KW	27.1	0.0	23.0	0.0	10.5	0.0	1.3	21.0	0.0	0.0	0.0	0.7	80.0
DAY/HR	3/11	0/ 0	3/11	0/ 0	5/14	0/ 0	1/ 1	1/ 8	0/ 0	0/ 0	0/ 0	1/ 1	5/11
PEAK ENDUSE	27.1	0.0	23.0	0.0	8.9	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	33.9	0.0	28.7	0.0	11.1	0.0	0.0	26.3	0.0	0.0	0.0	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	========
KWH	72718.	0.	97981.	0.	29179.	0.	6266.	128093.	0.	0.	0.	2835.	337072.
MAX KW	27.1	0.0	23.0	0.0	35.9	0.0	1.3	21.0	0.0	0.0	0.0	0.7	107.0
MON/DY	1/23	0/ 0	1/23	0/ 0	9/ 4	0/ 0	1/ 1	1/ 1	0/ 0	0/ 0	0/ 0	1/ 1	9/ 4
PEAK ENDUSE	27.1	0.0	23.0	0.0	35.9	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	25.3	0.0	21.4	0.0	33.6	0.0	0.0	19.7	0.0	0.0	0.0	0.0	

REPORT- PS-E Energy End-Use Summary for all Fuel Meters WEATHER FILE- Rochester NY TMY2

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													
MBTU	0.	0.	0.	184.	0.	0.	0.	0.	0.	0.	7.	0.	191.
MAX MBTU/HR	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
DAY/HR	0/ 0	0/ 0	0/ 0	27/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/10	0/ 0	27/ 8
PEAK ENDUSE	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	
FEB													
MBTU	0.	0.	0.	149.	0.	0.	0.	0.	0.	0.	7.	0.	155.
MAX MBTU/HR	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
DAY/HR	0/ 0	0/ 0	0/ 0	12/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/10	0/ 0	12/ 6
PEAK ENDUSE	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	
MAR													
MBTU	0.	0.	0.	97.	0.	0.	0.	0.	0.	0.	8.	0.	104.
MAX MBTU/HR	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
DAY/HR	0/ 0	0/ 0	0/ 0	5/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/10	0/ 0	5/ 7
PEAK ENDUSE	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	
APR													
MBTU	0.	0.	0.	33.	0.	0.	0.	0.	0.	0.	7.	0.	40.
MAX MBTU/HR	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
DAY/HR	0/ 0	0/ 0	0/ 0	16/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/10	0/ 0	16/ 7
PEAK ENDUSE	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	
MAY													
MBTU	0.	0.	0.	8.	0.	0.	0.	0.	0.	0.	7.	0.	15.
MAX MBTU/HR	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
DAY/HR	0/ 0	0/ 0	0/ 0	7/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	25/10	0/ 0	7/ 6
PEAK ENDUSE	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	98.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	
JUN													
MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	6.
MAX MBTU/HR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DAY/HR	0/ 0	0/ 0	0/ 0	4/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	20/10	0/ 0	20/10
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	
JUL													
MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	6.
MAX MBTU/HR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DAY/HR	0/ 0	0/ 0	0/ 0	6/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	31/10	0/ 0	31/10
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	
AUG													
MBTU	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.	0.	6.
MAX MBTU/HR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DAY/HR	0/ 0	0/ 0	0/ 0	8/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	21/10	0/ 0	21/10
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	

SEP													
MBTU	0.	0.	0.	2.	0.	0.	0.	0.	0.	0.	5.	0.	7.
MAX MBTU/HR	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
DAY/HR	0/ 0	0/ 0	0/ 0	21/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	21/10	0/ 0	21/ 7
PEAK ENDUSE	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	97.8	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	
OCT													
MBTU	0.	0.	0.	15.	0.	0.	0.	0.	0.	0.	6.	0.	21.
MAX MBTU/HR	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
DAY/HR	0/ 0	0/ 0	0/ 0	29/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	19/10	0/ 0	29/ 6
PEAK ENDUSE	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	
NOV													
MBTU	0.	0.	0.	66.	0.	0.	0.	0.	0.	0.	6.	0.	72.
MAX MBTU/HR	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
DAY/HR	0/ 0	0/ 0	0/ 0	26/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	26/10	0/ 0	26/ 7
PEAK ENDUSE	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	
DEC													
MBTU	0.	0.	0.	121.	0.	0.	0.	0.	0.	0.	7.	0.	128.
MAX MBTU/HR	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
DAY/HR	0/ 0	0/ 0	0/ 0	17/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	31/10	0/ 0	17/ 7
PEAK ENDUSE	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	========
MBTU	0.	0.	0.	674.	0.	0.	0.	0.	0.	0.	77.	0.	752.
MAX MBTU/HR	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
MON/DY	0/ 0	0/ 0	0/ 0	2/12	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/ 1	0/ 0	2/12
PEAK ENDUSE	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	312.	312.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/ 1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
FEB													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	282.	282.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/ 1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
MAR													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	229.	229.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/ 1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
APR													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	222.	222.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/ 2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
MAY													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	229.	229.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/ 2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
JUN													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	161.	161.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/ 2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
JUL													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	167.	167.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/ 2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
AUG													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	167.	167.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/ 2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

SEP													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	222.	222.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/ 2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
OCT													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	229.	229.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2	1/ 2
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
NOV													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	302.	302.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/ 1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
DEC													
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	312.	312.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
DAY/HR	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/ 1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	========
KWH	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2835.	2835.
MAX KW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
MON/DY	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 1	1/ 1
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													
KWH	4344.	0.	5487.	0.	183.	0.	1004.	13001.	0.	0.	0.	312.	24332.
MAX KW	27.1	0.0	23.0	0.0	0.8	0.0	1.3	21.0	0.0	0.0	0.0	0.7	73.3
DAY/HR	23/11	0/ 0	23/11	0/ 0	30/15	0/ 0	1/ 1	1/10	0/ 0	0/ 0	0/ 0	1/ 1	30/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	0.8	0.0	1.3	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	37.0	0.0	31.3	0.0	1.1	0.0	1.8	28.7	0.0	0.0	0.0	0.0	
FEB													
KWH	5516.	0.	7439.	0.	177.	0.	894.	11068.	0.	0.	0.	282.	25376.
MAX KW	27.1	0.0	23.0	0.0	1.8	0.0	1.3	21.0	0.0	0.0	0.0	0.7	73.2
DAY/HR	1/11	0/ 0	1/11	0/ 0	2/15	0/ 0	1/ 1	1/ 7	0/ 0	0/ 0	0/ 0	1/ 1	7/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	0.8	0.0	1.3	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	37.0	0.0	31.3	0.0	1.0	0.0	1.8	28.7	0.0	0.0	0.0	0.0	
MAR													
KWH	7099.	0.	9908.	0.	257.	0.	944.	11501.	0.	0.	0.	229.	29939.
MAX KW	27.1	0.0	23.0	0.0	7.4	0.0	1.3	21.0	0.0	0.0	0.0	0.7	75.6
DAY/HR	1/11	0/ 0	1/11	0/ 0	31/14	0/ 0	1/ 1	1/ 7	0/ 0	0/ 0	0/ 0	1/ 1	30/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	4.5	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	35.9	0.0	30.4	0.0	6.0	0.0	0.0	27.8	0.0	0.0	0.0	0.0	
APR													
KWH	5896.	0.	7941.	0.	1190.	0.	559.	10291.	0.	0.	0.	222.	26101.
MAX KW	27.1	0.0	23.0	0.0	21.0	0.0	1.3	21.0	0.0	0.0	0.0	0.7	92.1
DAY/HR	2/11	0/ 0	2/11	0/ 0	4/14	0/ 0	1/ 2	1/10	0/ 0	0/ 0	0/ 0	1/ 2	4/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	21.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	29.5	0.0	24.9	0.0	22.8	0.0	0.0	22.9	0.0	0.0	0.0	0.0	
MAY													
KWH	6172.	0.	8110.	0.	2843.	0.	365.	10079.	0.	0.	0.	229.	27798.
MAX KW	27.1	0.0	23.0	0.0	32.4	0.0	1.3	21.0	0.0	0.0	0.0	0.7	102.8
DAY/HR	1/11	0/ 0	1/11	0/ 0	9/14	0/ 0	1/ 2	1/ 7	0/ 0	0/ 0	0/ 0	1/ 2	9/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	31.7	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	26.4	0.0	22.3	0.0	30.8	0.0	0.0	20.5	0.0	0.0	0.0	0.0	
JUN													
KWH	6813.	0.	9337.	0.	6274.	0.	31.	9931.	0.	0.	0.	161.	32547.
MAX KW	27.1	0.0	23.0	0.0	34.6	0.0	1.3	21.0	0.0	0.0	0.0	0.7	105.7
DAY/HR	1/11	0/ 0	1/11	0/ 0	11/15	0/ 0	3/ 1	1/ 7	0/ 0	0/ 0	0/ 0	1/ 2	11/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	34.6	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	25.7	0.0	21.7	0.0	32.7	0.0	0.0	19.9	0.0	0.0	0.0	0.0	
JUL													
KWH	6177.	0.	8258.	0.	7192.	0.	0.	10021.	0.	0.	0.	167.	31815.
MAX KW	27.1	0.0	23.0	0.0	35.8	0.0	0.0	21.0	0.0	0.0	0.0	0.7	106.9
DAY/HR	9/11	0/ 0	9/11	0/ 0	30/15	0/ 0	0/ 0	1/10	0/ 0	0/ 0	0/ 0	1/ 2	30/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	35.8	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	25.4	0.0	21.5	0.0	33.5	0.0	0.0	19.7	0.0	0.0	0.0	0.0	
AUG													
KWH	4526.	0.	5830.	0.	4984.	0.	0.	10058.	0.	0.	0.	167.	25565.
MAX KW	27.1	0.0	23.0	0.0	30.8	0.0	0.0	21.0	0.0	0.0	0.0	0.7	101.9
DAY/HR	1/11	0/ 0	1/11	0/ 0	3/15	0/ 0	0/ 0	1/ 7	0/ 0	0/ 0	0/ 0	1/ 2	3/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	30.8	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	26.6	0.0	22.5	0.0	30.2	0.0	0.0	20.6	0.0	0.0	0.0	0.0	

SEP													
KWH	6448.	0.	8757.	0.	4019.	0.	128.	9541.	0.	0.	0.	222.	29116.
MAX KW	27.1	0.0	23.0	0.0	35.9	0.0	1.3	21.0	0.0	0.0	0.0	0.7	107.0
DAY/HR	4/11	0/ 0	4/11	0/ 0	4/15	0/ 0	8/ 2	1/ 8	0/ 0	0/ 0	0/ 0	1/ 2	4/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	35.9	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	25.3	0.0	21.4	0.0	33.6	0.0	0.0	19.7	0.0	0.0	0.0	0.0	
OCT													
KWH	7094.	0.	9697.	0.	1542.	0.	528.	10119.	0.	0.	0.	229.	29208.
MAX KW	27.1	0.0	23.0	0.0	23.7	0.0	1.3	21.0	0.0	0.0	0.0	0.7	94.6
DAY/HR	1/11	0/ 0	1/11	0/ 0	4/17	0/ 0	1/ 2	1/ 7	0/ 0	0/ 0	0/ 0	1/ 2	4/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	23.5	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	28.7	0.0	24.3	0.0	24.8	0.0	0.0	22.2	0.0	0.0	0.0	0.0	
NOV													
KWH	6631.	0.	9037.	0.	241.	0.	882.	10681.	0.	0.	0.	302.	27774.
MAX KW	27.1	0.0	23.0	0.0	6.1	0.0	1.3	21.0	0.0	0.0	0.0	0.7	77.2
DAY/HR	1/11	0/ 0	1/11	0/ 0	7/15	0/ 0	1/ 1	1/ 7	0/ 0	0/ 0	0/ 0	1/ 1	7/15
PEAK ENDUSE	27.1	0.0	23.0	0.0	6.1	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	35.1	0.0	29.7	0.0	7.9	0.0	0.0	27.2	0.0	0.0	0.0	0.0	
DEC													
KWH	6000.	0.	8179.	0.	277.	0.	930.	11803.	0.	0.	0.	312.	27502.
MAX KW	27.1	0.0	23.0	0.0	10.5	0.0	1.3	21.0	0.0	0.0	0.0	0.7	80.0
DAY/HR	3/11	0/ 0	3/11	0/ 0	5/14	0/ 0	1/ 1	1/ 8	0/ 0	0/ 0	0/ 0	1/ 1	5/11
PEAK ENDUSE	27.1	0.0	23.0	0.0	8.9	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	33.9	0.0	28.7	0.0	11.1	0.0	0.0	26.3	0.0	0.0	0.0	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	========
KWH	72718.	0.	97981.	0.	29179.	0.	6266.	128093.	0.	0.	0.	2835.	337072.
MAX KW	27.1	0.0	23.0	0.0	35.9	0.0	1.3	21.0	0.0	0.0	0.0	0.7	107.0
MON/DY	1/23	0/ 0	1/23	0/ 0	9/ 4	0/ 0	1/ 1	1/ 1	0/ 0	0/ 0	0/ 0	1/ 1	9/ 4
PEAK ENDUSE	27.1	0.0	23.0	0.0	35.9	0.0	0.0	21.0	0.0	0.0	0.0	0.0	
PEAK PCT	25.3	0.0	21.4	0.0	33.6	0.0	0.0	19.7	0.0	0.0	0.0	0.0	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													
KWH	0.	0.	1153.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1153.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	2/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
FEB													
KWH	0.	0.	1047.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1047.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAR													
KWH	0.	0.	1216.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1216.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
APR													
KWH	0.	0.	1153.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1153.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	2/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MAY													
KWH	0.	0.	1206.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1206.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
JUN													
KWH	0.	0.	1163.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1163.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
JUL													
KWH	0.	0.	1153.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1153.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	2/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
AUG													
KWH	0.	0.	1259.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1259.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

SEP													
KWH	0.	0.	1057.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1057.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	4/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	4/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
OCT													
KWH	0.	0.	1206.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1206.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
NOV													
KWH	0.	0.	1100.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1100.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	1/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DEC													
KWH	0.	0.	1110.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1110.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
DAY/HR	0/ 0	0/ 0	3/ 9	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	3/ 9
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	========
KWH	0.	0.	13823.	0.	0.	0.	0.	0.	0.	0.	0.	0.	13823.
MAX KW	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
MON/DY	0/ 0	0/ 0	1/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/ 2
PEAK ENDUSE	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

YEARLY TRANSFORMER LOSSES = 0.0 KWH

Monroe Community College School of Nursing DOE-2.2-44e4 12/15/2008 16:46:03 BDL RUN 1
NYSERDA NCP7190 LEED Baseline Building Model SAIC/Energy Systems Group
REPORT- PS-F Energy End-Use Summary for FM1 WEATHER FILE- Rochester NY TMY2

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
JAN													
THERM	0.	0.	0.	1838.	0.	0.	0.	0.	0.	0.	72.	0.	1910.
MAX THERM/HR	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	5.1
DAY/HR	0/ 0	0/ 0	0/ 0	27/ 8	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/10	0/ 0	27/ 8
PEAK ENDUSE	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	
FEB													
THERM	0.	0.	0.	1487.	0.	0.	0.	0.	0.	0.	67.	0.	1554.
MAX THERM/HR	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	6.0
DAY/HR	0/ 0	0/ 0	0/ 0	12/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/10	0/ 0	12/ 6
PEAK ENDUSE	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	
MAR													
THERM	0.	0.	0.	966.	0.	0.	0.	0.	0.	0.	77.	0.	1043.
MAX THERM/HR	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	4.5
DAY/HR	0/ 0	0/ 0	0/ 0	5/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	1/10	0/ 0	5/ 7
PEAK ENDUSE	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	
APR													
THERM	0.	0.	0.	327.	0.	0.	0.	0.	0.	0.	72.	0.	399.
MAX THERM/HR	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	3.0
DAY/HR	0/ 0	0/ 0	0/ 0	16/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/10	0/ 0	16/ 7
PEAK ENDUSE	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	
MAY													
THERM	0.	0.	0.	80.	0.	0.	0.	0.	0.	0.	70.	0.	150.
MAX THERM/HR	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	1.9
DAY/HR	0/ 0	0/ 0	0/ 0	7/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	25/10	0/ 0	7/ 6
PEAK ENDUSE	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	98.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	
JUN													
THERM	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	62.	0.	62.
MAX THERM/HR	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3
DAY/HR	0/ 0	0/ 0	0/ 0	4/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	20/10	0/ 0	20/10
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	
JUL													
THERM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	58.	0.	58.
MAX THERM/HR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3
DAY/HR	0/ 0	0/ 0	0/ 0	6/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	31/10	0/ 0	31/10
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	
AUG													
THERM	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	59.	0.	59.
MAX THERM/HR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.3
DAY/HR	0/ 0	0/ 0	0/ 0	8/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	21/10	0/ 0	21/10
PEAK ENDUSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	
PEAK PCT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	

SEP													
THERM	0.	0.	0.	17.	0.	0.	0.	0.	0.	0.	52.	0.	68.
MAX THERM/HR	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	1.1
DAY/HR	0/ 0	0/ 0	0/ 0	21/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	21/10	0/ 0	21/ 7
PEAK ENDUSE	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	97.8	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	
OCT													
THERM	0.	0.	0.	154.	0.	0.	0.	0.	0.	0.	61.	0.	215.
MAX THERM/HR	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	2.7
DAY/HR	0/ 0	0/ 0	0/ 0	29/ 6	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	19/10	0/ 0	29/ 6
PEAK ENDUSE	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	
NOV													
THERM	0.	0.	0.	664.	0.	0.	0.	0.	0.	0.	60.	0.	724.
MAX THERM/HR	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	3.8
DAY/HR	0/ 0	0/ 0	0/ 0	26/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	26/10	0/ 0	26/ 7
PEAK ENDUSE	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	
DEC													
THERM	0.	0.	0.	1210.	0.	0.	0.	0.	0.	0.	65.	0.	1276.
MAX THERM/HR	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	5.6
DAY/HR	0/ 0	0/ 0	0/ 0	17/ 7	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	31/10	0/ 0	17/ 7
PEAK ENDUSE	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	
	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	=======	========
THERM	0.	0.	0.	6744.	0.	0.	0.	0.	0.	0.	774.	0.	7519.
MAX THERM/HR	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	6.0
MON/DY	0/ 0	0/ 0	0/ 0	2/12	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	2/ 1	0/ 0	2/12
PEAK ENDUSE	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PEAK PCT	0.0	0.0	0.0	99.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
EM1 ELECTRICITY													
MBTU	248.2	0.0	334.4	0.0	99.6	0.0	21.4	437.2	0.0	0.0	0.0	9.7	1150.4
FM1 NATURAL-GAS													
MBTU	0.0	0.0	0.0	674.4	0.0	0.0	0.0	0.0	0.0	0.0	77.4	0.0	751.9
MBTU	248.2	0.0	334.4	674.4	99.6	0.0	21.4	437.2	0.0	0.0	77.4	9.7	1902.3

TOTAL SITE ENERGY 1902.28 MBTU 84.2 KBTU/SQFT-YR GROSS-AREA 84.2 KBTU/SQFT-YR NET-AREA
TOTAL SOURCE ENERGY 4203.11 MBTU 186.0 KBTU/SQFT-YR GROSS-AREA 186.0 KBTU/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 0.3
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.0

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

	LIGHTS	TASK LIGHTS	MISC EQUIP	SPACE HEATING	SPACE COOLING	HEAT REJECT	PUMPS & AUX	VENT FANS	REFRIG DISPLAY	HT PUMP SUPPLEM	DOMEST HOT WTR	EXT USAGE	TOTAL
EM1 ELECTRICITY													
KWH	72718.	0.	97981.	0.	29179.	0.	6266.	128093.	0.	0.	0.	2835.	337072.
FM1 NATURAL-GAS													
THERM	0.	0.	0.	6744.	0.	0.	0.	0.	0.	0.	774.	0.	7519.

TOTAL ELECTRICITY	337072. KWH	14.915 KWH	/SQFT-YR GROSS-AREA	14.915 KWH	/SQFT-YR NET-AREA
TOTAL NATURAL-GAS	7519. THERM	0.333 THERM	/SQFT-YR GROSS-AREA	0.333 THERM	/SQFT-YR NET-AREA

PERCENT OF HOURS ANY SYSTEM ZONE OUTSIDE OF THROTTLING RANGE = 0.3
PERCENT OF HOURS ANY PLANT LOAD NOT SATISFIED = 0.0

NOTE: ENERGY IS APPORTIONED HOURLY TO ALL END-USE CATEGORIES.

UTILITY-RATE	RESOURCE	METERS	METERED ENERGY UNITS/YR	TOTAL CHARGE ($)	VIRTUAL RATE ($/UNIT)	RATE USED ALL YEAR?
RGEE-SC08	ELECTRICITY	EM1	337072. KWH	49173.	0.1459	YES
RGEG-SC03	NATURAL-GAS	FM1	7519. THERM	8023.	1.0670	YES
				========== 57195.		

ENERGY COST/GROSS BLDG AREA: 2.53
ENERGY COST/NET BLDG AREA: 2.53

RESOURCE: ELECTRICITY DEMAND-INTERVAL 15 3413. BTU/KWH
BILLING-DAY: 31 RATE-LIMITATION: 0.0000
METERS: EM1
POWER-FACTOR: 0.80 EXCESS-KVAR-FRAC: 0.75 EXCESS-KVAR-CHG: 0.0000

RATE-QUALIFICATIONS		BLOCK-CHARGES	DEMAND-RATCHETS	MIN-MON-RATCHETS
MIN-ENERGY:	0.0	ON-PEAK		
MAX-ENERGY:	0.0	OFF-PEAK		
MIN-DEMAND:	0.0			
MAX-DEMAND:	0.0			
QUALIFY-RATE:	ALL YEAR			
USE-MIN-QUAL:	NO			

MONTH	METERED ENERGY KWH	BILLING ENERGY KWH	METERED DEMAND KW	BILLING DEMAND KW	ENERGY CHARGE ($)	DEMAND CHARGE ($)	ENERGY CST ADJ ($)	TAXES ($)	SURCHRG ($)	FIXED CHARGE ($)	MINIMUM CHARGE ($)	VIRTUAL RATE ($/UNIT)	TOTAL CHARGE ($)
JAN	24332	24332	73.8	73.8	2360	711	0	0	0	435	0	0.1441	3506
FEB	25376	25376	73.9	73.9	2485	711	0	0	0	435	0	0.1431	3632
MAR	29939	29939	76.5	76.5	2959	737	0	0	0	435	0	0.1380	4132
APR	26101	26101	93.3	93.3	2586	899	0	0	0	435	0	0.1502	3920
MAY	27798	27798	103.6	103.6	2778	998	0	0	0	435	0	0.1515	4211
JUN	32547	32547	106.4	106.4	3240	1024	0	0	0	435	0	0.1444	4700
JUL	31815	31815	107.7	107.7	3167	1037	0	0	0	435	0	0.1458	4639
AUG	25565	25565	102.7	102.7	2558	989	0	0	0	435	0	0.1558	3982
SEP	29116	29116	107.8	107.8	2880	1038	0	0	0	435	0	0.1495	4353
OCT	29208	29208	95.7	95.7	2919	921	0	0	0	435	0	0.1464	4276
NOV	27774	27774	77.7	77.7	2738	748	0	0	0	435	0	0.1412	3921
DEC	27502	27502	81.0	81.0	2685	780	0	0	0	435	0	0.1418	3900
TOTAL	337072	337072	107.8		33355	10593	0	0	0	5225		0.1459	49173

Appendix D
Memo regarding decision to pursue LEED certification

SWBR ARCHITECTS

387 East Main Street
Rochester, NY 14604-2107
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Minutes of Design Team Meeting No. 9

Project:	Monroe Community College Building 9 Wolk Nursing Center Addition & Renovations
Project No:	06330
Date:	December 7, 2006
Purpose:	Design Team Progress Meeting
Location:	Building 1, Board Room

Present:		
	Dick Degus	MCC
	Bob Cunningham	MCC
	Valarie Avalone	MCC
	Laurel Sanger	MCC Nursing Program, Chair
	Frank Rinehart	MCC Dean, Sciences & Health Services
	Blaine Grindle	MCC Facilities
	Kevin Walton	MCC Facilities
	Reinhard Gsellmeier	MC DES - Project Manager
	Scott Page	Scott Blackwell Page
	Ron Mead	M/E Engineering, PC
	Jay Judson	SWBR Architects
	Rohit Agrawal	SWBR Architects
	Randy Sickler	SWBR Architects

Discussion:

1. SWBR handed out updated first and second floor plans for discussion, along with exterior elevation and entrance section options for discussion. Plan issues discussed included the following:
   - Elevator size and location – an elevator with a cab large enough for a bed will only cost a few thousand dollars more than a smaller one. The issue here is more the size (footprint) that the elevator will occupy. Both sizes being considered will accommodate a stretcher/gurney.
   - 2nd floor Nursing Lounge is rather long, as a result of needing to access it from the corridor, and a desire to make the bed lab a regular, rectangular space.
   - One option to "decompress" the west side is to relocate the elevator to the east side of the exit stair, in a common vertical circulation area.
   - Frank raised the issue of how much the Nursing Lounge will be used; noting that many of the Nursing students also have jobs, and are of a more transient nature. However, it is generally recognized that the Campus, as a whole, is still short on student lounge area.
   - The lounge location in the current design is desirable as it is an appropriate space to locate in the southwest corner, where a large corner window has been indicated in many of the exterior studies that have been presented. This feature is considered by many to be important to the appearance of the building, and should be kept if possible.
   - Several options to rearrange the teaching spaces were discussed, but there was consensus that the current plan arrangements work well other than the Lounge being oversized, and Nursing program storage needing about 200 NSF more area.
   - One option would be to locate some Nursing storage in the area currently indicated as Lounge, another would be to move the elevator and put the storage there.
   - SWBR will continue to study ways to make the west side work more efficiently and recover the programmed storage space.

2. Elevations and building section options were also reviewed. Discussion included:
   - Sun shading elements to reduce glare and solar heat gain at windows are being indicated at the south windows and some of the west windows. There were concerns expressed regarding the aesthetic of these elements, not all who have seen them like the appearance. Overhangs are another effective way to accomplish this. These features have more to do with helping with LEED certification than as added aesthetic elements – where they provide no function use, they will not be used. M/E Engineering will be using computer energy modeling to study the efficiency of the building envelope and the effectiveness of shading features.
   - As there is no existing metal panel detailing on the west side of campus, it was recommended that this material not be used on the west, with the possible exception of a canopy over the west entrance. Brick and concrete are the predominant materials, other than glass.
   - At the west side, it is considered desirable to provide a material break between the south side of the Wolk addition and the blank brick wall of Building 9. Metal panel may be used here, or another material, that might tie together visually to the enclosure of the rooftop air handling unit and service corridor that will be constructed on the west end of the single-story roof of Building 9.

3. Site plan review: A topographic survey has been completed by Parrone, and John discussed the sidewalk layout to the west entrance. Currently he is looking at a walkway that is perpendicular to the entrance, with slightly less than 5% slope to avoid being considered a ramp. A trench drain would be placed at the bottom of the slope, about eight feet west of the front door. Twelve or more feet of separation would be desirable, but cannot be accomplished within the limitations of the existing parking lot and Building 9 elevations. Diagonal walks were discussed as an option, and should be considered further. Input will be sought from MCC Facilities maintenance personnel to consider in the design.

4. SEQR process update: The four letters declaring the County's intention to be lead agent are in review in the County system, going through the Law Department and County Executive offices. Reinhard is monitoring the status of the letters.

5. Geotechnical Report: Foundation Design has completed their soil borings work and is assembling a Geotechnical Report with recommendations that will be available in the near future.

6. LEED Certification: A LEED Workshop was held on Tuesday, December 5, 2006 at MCC. Potential LEED credits were reviewed in advance by M/E Engineering, Blaine, and SWBR and a "straw man" spreadsheet was prepared for the workshop by Randy. Proposed and other possible credits were reviewed by the group present, and it was felt that basic LEED Certification would be fairly easy to obtain if the decision were made to pursue it, and a Silver-level rating could be obtained with some further cost ($100,000 +/-) and effort. The County and the College have both expressed commitment to the LEED process and Green building practices, and have directed the Consultant Team to proceed with the intent of achieving a LEED-NC (New Construction) Silver rating. SWBR will register the project with the U.S. Green Building Council, who created and administer the ratings.

7. Master Planning work: Scott has been working with MCC to develop a couple of alternative growth and usage plans. These will need to mesh with planned facility and systems improvements to develop rational project scopes and associated budgets. Existing programs in Building 9 and the ATEC facility are being considered for inclusion in the Building 9 Master Plan or possible relocation.

8. Design Team representatives will need to meet with President Flynn in early or mid-January to review the exterior appearance of the design, at least two weeks before the February 4, 2007 meeting of the Board of Directors, so that any suggested changes can be incorporated before presentation to the Board.

9. The next regularly scheduled Design Team meeting will be on Thursday, December 21, 2006, 8:00 AM – 10:00 AM, in the Board Lounge, 1-321.

The foregoing constitutes our understanding of matters discussed and conclusions reached. If there are any errors or omissions in the basic discussion, please notify the Architect in writing.

By: Randal R. Sickler, AIA

Distribution: Dave Schottler – MCC Facilities
Brian Danker– M/E Engineering
Bob Elliott - Lu Engineering
Sue Hilton - Lu Engineering
Tim Seeler - Seeler Engineering
Betsy Casey - Design Services
Jim Baker - Foundation Design

RRS/rs

Appendix E

Tabular summary of first costs and estimated savings

Monroe Community College
The Louis S. and Molly B. Wolk Center for Excellence in Nursing
SWBR Project No. 07295
August 4, 2009

LEED-NC 2.2 Cost Matrix

Proposed Goal: Silver Level Certification (33 to 38 points)
LEED-Silver Certified at 35 points

		COMMITMENT			ADDITIONAL COST		Incentives / Benefits / Life Cycle Savings	COMMENTS	ADD ALT.?
Sustainable Sites (14 possible points)		**yes**	**poss.**	**no**	**Design**	**Construction**			
SS Prereq 1	Construction Activity Pollution Prevention	**REQ**			LEED Documentation fees $200	0		MCC earned this prerequisite by following the standard practices required by New York State to manage erosion and runoff during construction.	
SS Credit 1	Site Selection	**1**			LEED Documentation fees $200	0		This existing Campus site qualifies for this credit as it is not prime farmland, not previously undeveloped land whose elevation is lower than 5 feet above the elevation of the 100-year flood as defined by FEMA, is not previously undeveloped land within 50 feet of a water body, is not identified as a habitat for any endangered species, is not within 100 feet of a wetland, is not acquired public parkland.	
SS Credit 2	Development Density & Community Connectivity	**1**			LEED Documentation fees $500	None. This credit was met through the diverse array of existing services at MCC's Brighton Campus.		MCC is in a location that meets the LEED qualifications for Community Connectivity. This category favors development near urban areas, and existing infrastructure, protecting greenfields, habitats and natural resources. The Wolk Center is supported by the array of nearby businesses and services. The adjacent residential development also favors development at this site.	
SS Credit 3	Brownfield Redevelopment			**1**				N/A	
SS Credit 4.1	Alternative Transportation, Public Transportation Access	**1**			LEED Documentation fees $500	This credit is met through the existing public transportation system access.	Potential to reduce parking areas; Environmental benefits	MCC's Brighton Campus has excellent public transportation access. The campus is served by several public bus lines that bring students to and from the main campus entrance, lessening the pollution and land development impacts associated with automobile use.	
SS Credit 4.2	Alternative Transportation, Bicycle Storage & Changing Rooms	**1**			LEED Documentation fees $1200	Bicycle Rack expense, however MCC would likely have incurred this cost regardless of the County's commitment to sustainable design and LEED. Existing changing rooms were underutilized and contributed to this credit. These should accommodate the occupants of this project and others.	Potential health and environmental benefits	MCC has terrific capability to accommodate bicyclists. The project has utilized the showers and changing facilities provided within the adjacent Building 10 at the College for cyclists that require them.	
SS Credit 4.3	Alternative Transportation, Low Emitting & Fuel-Efficient Vehicles			**1**				Preferred Parking Spaces were not addressed within this project, but MCC may still consider this approach in the future.	
SS Credit 4.4	Alternative Transportation, Parking Capacity	**1**			LEED Documentation fees $200	None. Sufficient parking was provided at the campus.		New parking spaces were not added within this project.	
SS Credit 5.1	Site Development, Protect or Restore Habitat			**1**				Not attempted	
SS Credit 5.2	Site Development, Maximize Open Space	**1**			LEED Documentation fees $2100	This site design feature was already in place.		MCC has designed an exceptional pond system to manage the quantity and quality of its stormwater for the Wolk Center and all of its Brighton Campus construction (see SS Cr 6.1 & 6.2). This system increases on-site filtration of stormwater, improving water quality, and also reduces the quantity of water leaving the site, lessening the impacts to our municipal systems. This pond also serves to provide a significant, natural, beautiful open space for the campus which meets the intent and requirements of this credit.	
SS Credit 6.1	Stormwater Design, Quantity Control	**1**			LEED Documentation fees $2500	System was modified and expanded in a separate project to accommodate the Wolk Center and several other additions to the MCC Campus. Outlet Control Structure was modified to accomodate all these projects in the campus master plan. No cost was attributed directly to the Wolk Center.	There are municipal savings and environmental benefits to reducing the amount of stormwater sent directly into the municipal systems and managing its quality through naturally designed filtration methods.	While there was limited scope within this project for site design, the infrastructure and capacity of available stormwater management services in place at MCC provided the capacity to satisfy the LEED requirements for the management of both Stormwater Quantity and Quality credits. This strategy was developed for the Wolk project and this solution is intended to assist the PAC and Builing 9, Phase II documentation efforts.	
SS Credit 6.2	Stormwater Design, Quality Control	**1**			LEED Documentation fees $2500				
SS Credit 7.1	Heat Island Effect, Non-Roof			**1**				The project scope had little site opportunity in it to address this credit	
SS Credit 7.2	Heat Island Effect, Roof	**1**			LEED Documentation fees $300	$4,560 over a standard dark roof, less $328 incentive as noted in the project's Energy Report. This cost continues to decrease with demand for white roof products and increase in the cost of petroleum, which is used in dark roofs.	$17 per year as noted in Energy Report. There are environmental benefits in continued reduction of the urban heat island effect at this heavily asphalt-paved site.	The Wolk Center has installed a white roof system, or "Cool Roof", to lessen the detrimental environmental impacts of "Urban Heat Island Effect" caused by dark roof surfaces. A "SureWeld" TPO roof, by Carlisle Syntec, Inc., was used in the project.	Yes
SS Credit 8	Light Pollution Reduction			**1**	X			Not attempted	
	Subtotal Sustainable Sites	**9**	**0**	**5**					

		COMMITMENT			ADDITIONAL COST		Incentives / Benefits / Life Cycle Savings	COMMENTS	ADD ALT.?
Water Efficiency (5 possible points)		**yes**	**poss.**	**no**	**Design**	**Construction**			
WE Credit 1.1	Water Efficient Landscaping, Reduce by 50%	**1**			LEED Documentation fees $250			No irrigation systems were installed as a part of this project.	
WE Credit 1.2	Water Efficient Landscaping, No Potable Use or No Irrigation	**1**							
WE Credit 2	Innovative Wastewater Technologies			**1**				N/A	
WE Credit 3.1	Water Use Reduction, 20% Reduction	**1**			LEED Documentation fees; $2000	Strategies for both Water Use Reduction credits together required a $600 first-cost investment.	$70/yr.; Water reduction provides minimal financial savings here in Rochester, but reduced consumption has great meaning nationally and globally, where there is increasing scarcity and restrictions on use.	High-performance water fixtures were installed that will save one-third of the building's annual water usage.	
WE Credit 3.2	Water Use Reduction, 30% Reduction	**1**							
	Subtotal Water Efficiency	**4**	**0**	**1**					

Energy & Atmosphere (17 possible points)		COMMITMENT yes	poss.	no	ADDITIONAL COST Design	Construction	Incentives / Benefits / Life Cycle Savings	COMMENTS	ADD ALT.?
EA Prereq 1	Fundamental Commissioning of the Building Energy Systems	**REQ**			$20,100	$4,000	Anticipated, but unknown.	Though a specific return on investment at the Wolk Center cannot be determined, Commissioning verifies that a building is performing to the level to which it was designed. Even basic commissioning can provide significant benefits. In the long term, commissioning has been shown to have very strong improvements in system performance and reduced operating costs. Case studies have shown that commissioning frequently pays for itself in less than a 1-year period.	
EA Prereq 2	Minimum Energy Performance	**REQ**			LEED Documentation fees; $500			This prerequisite requires that the team establish the minimum level of energy efficiency for the proposed building and systems.	
EA Prereq 3	Fundamental Refrigerant Management	**REQ**			LEED Documentation fees; $500			The Wolk Center has no CFC-based refrigerants in new base building HVAC&R systems and does not connect to any systems containing CFCs.	
EA Credit 1	Optimize Energy Performance (10 possible points)	**3**		**7**	LEED Documentation fees, Energy Modeling fees, Consultant time and NYSERDA coordination; $6000	Estimated incremental cost: $53,067 * * Please see Appendix B of this document which breaks down in detail the costs associated with each energy efficiency measure applied in the design and construction of this project.	$11,622 / year (in 2008 dollars) $232,440 extrapolated over 20 years (in 2008 dollars) NYSERDA Incentives: $15,841 Payback period: 3.2 Years (if energy costs remain constant)	This classroom and office building will save 18.4% in energy annually through the sustainable design strategies it has incorporated. These include: Improved Levels of Building Envelope Insulation, High Performance Window Glazing, Exterior Solar Sunshades, High-Efficiency Lighting, Daylighting Harvesting Controls in Lounge Area, Occupancy Sensors to reduce HVAC use, and others.	
EA Credit 2	On-Site Renewable Energy (3 possible points)			**3**				Not attempted	
EA Credit 3	Enhanced Commissioning			**1**				Not attempted	
EA Credit 4	Enhanced Refrigerant Management	**1**			LEED Documentation fees; $1500		Environmental Benefits	Typically met through providing all new equipment. Utilized Campus Loop System.	
EA Credit 5	Measurement & Verification			**1**				Not attempted	
EA Credit 6	Green Power			**1**				Not attempted	
	Subtotal Energy & Atmosphere	**4**	**0**	**13**					

Materials & Resources (13 possible points)		COMMITMENT yes	poss.	no	ADDITIONAL COST Design	Construction	Incentives / Benefits / Life Cycle Savings	COMMENTS	ADD ALT.?
MR Prereq 1	Storage & Collection of Recyclables	**REQ**			LEED Documentation fees; $1500; MCC did not have in place a recylcing program at this campus prior to this and two other LEED projects, which all require recycling as a prerequisite to certification. The recycling program and its associated costs should be provided by MCC and consideration given to the cost over this series of campus projects.		Environmental benefits, cultural awareness and this provides a demonstrative commitment to the environment for the College, which serves this generation of students that are raised with a common practice of recycling.	The Wolk Center has a recycling program that allows its occupants to sort paper, cardboard, glass, and metal from waste materials, keeping recyclable products out of the waste stream.	
MR Credit 1.1	Building Reuse, Maintain 75% of Existing Walls, Floors & Roof			**1**				N/A	
MR Credit 1.2	Building Reuse, Maintain 100% of Existing Walls, Floors & Roof			**1**				N/A	
MR Credit 1.3	Building Reuse, Maintain 50% of Interior Non-Structural Elements			**1**				N/A	
MR Credit 2.1	Construction Waste Management, Divert 50% from Disposal		**1**		LEED Documentation fees, $750; specification and the development of a Waste Management Plan	Yes (Contractor Agreement); Separate waste bins were provided for disposal of various materials, per the Waste Management Plan provided by the contractor.	Environmental Benefits	This credit was attempted, but was unsuccessful in its approach and implementation.	
MR Credit 2.2	Construction Waste Management, Divert 75% from Disposal			**1**			Environmental Benefits		
MR Credit 3.1	Materials Reuse, 5%			**1**				N/A	
MR Credit 3.2	Materials Reuse, 10%			**1**				N/A	
MR Credit 4.1	Recycled Content, 10% (post-consumer + 1/2 pre-consumer)	**1**			LEED Documentation fees, $3600 toward recycled content tracking, $3600 toward regional content tracking; There was no performance specification for recycled- or regional-content values; LEED Documentation fees included frequent design team investigation, communication, and determination of manufacturer's information.	Tracking of information not provided by manufacturer in the initial order/ inquiry.	Environmental benefits	14.8% of the total materials cost for the project was comprised of recycled content. This increases demand for building products that incorporate recycled content materials, reducing the impacts resulting from extraction and processing of virgin materials.	
MR Credit 4.2	Recycled Content, 20% (post-consumer + 1/2 pre-consumer)			**1**					
MR Credit 5.1	Regional Materials, 10% Extracted, Processed & Manuf. Regional	**1**				Tracking of information not provided by manufacturer in the initial order/ inquiry.	Environmental benefits and benefits to regional manufacturing base	16.3% of the products used in this project were manufactured and harvested within 500 miles of the site. This supports regional businesses and reduces the costs and environmental impacts related to transportation.	
MR Credit 5.2	Regional Materials, 20% Extracted, Processed & Manuf. Regional			**1**					
MR Credit 6	Rapidly Renewable Materials			**1**	X			Not attempted	
MR Credit 7	Certified Wood	**1**			LEED Documentation fees, $1200	The Marshfield Environmental Class FSC doors, alone (estimated at $18,750) met this credit criteria. MCC may have purchased this product or one of similar quality, regardless of LEED. For the purposes of this evaluation, Marshfield was contacted and indicated that: (1) Only the composite core of the doors contains FSC Wood. (2) They estimated this cost to be only $1/door over a non-FSC composite wood core. (3) FSC Veneers would have added significantly to the per-door cost.	Forest Stewardship Council (FSC) Principles and Criteria are practices established to ensure the long-term health of forests for timber production, wildlife habitat, clean air and water supplies, and climate stabilization as well as the long-term community employment that comes from stable forestry operations.	The criteria for this credit requires 50% of the total cost of wood to be applied to certified wood products. The amount of wood in this project was limited. Total wood costs amounted to $25,131.00, of which $12,565.50 would be required toward FSC Certified products. 77% of the wood in this project is certified in accordance with FSC Principles and Criteria; $18,750 x .77 = $14,437	
	Subtotal Materials & Resources	**3**	**1**	**9**					

Indoor Environmental Quality (15 possible points)		COMMITMENT yes	poss.	no	ADDITIONAL COST Design	Construction	Incentives / Benefits / Life Cycle Savings	COMMENTS	ADD ALT.?
EQ Prereq 1	Minimum IAQ Performance	**REQ**			LEED Documentation fees; ASHRAE 62.1-2004, Standard practice; $500	Standard practice	Standard practice	Establish minimum indoor air quality (IAQ) performance to enhance indoor air quality in buildings and contribute to the comfort and well-being of the occupants.	
EQ Prereq 2	Environmental Tobacco Smoke (ETS) Control	**REQ**			LEED Documentation fees, $1200	Design meets State and MCC policy requirements; standard construction	Improved Air Quality and Health Benefits	This minimizes exposure of building occupants, indoor surfaces, and ventilation air distribution systems to Environmental Tobacco Smoke (ETS). MCC's current no-smoking policy extends beyond that of New York State to meet the requirements as defined in this prerequisite.	
EQ Credit 1	Outdoor Air Delivery Monitoring	1			LEED Documentation fees; $2500	$6,000	Improved Air Quality		Yes
EQ Credit 2	Increased Ventilation		1		LEED Documentation fees; $2500			This credit was attempted and increased ventilation is provided, but not to the level required by this credit.	
EQ Credit 3.1	Construction IAQ Management Plan, During Construction	1			LEED Documentation fees, $1500	This is a contractor service in providing the management of materials and clean project site.	Improved Air Quality and Health Benefits for contarctors, installers and protecting materials improves occupant conditions as well.	Indoor Air Quality (IAQ) Management Plans were developed and implemented for both the construction phase and the pre-occupancy phase of the building. These included plans to meet or exceed IAQ Guidelines for Occupied Buildings under Construction, protecting stored and installed absorptive construction materials from moisture damage, and the application of superior air filtration media. This reduced dust and particulates brought into the construction site, managed the quality of materials stored on the site and ensured a cleaner ventilation system once the building systems were in operation.	
EQ Credit 3.2	Construction IAQ Management Plan, Before Occupancy	1			LEED Documentation fees; $2500	$670 (est. energy costs)	Improved Air Quality for occupants.		
EQ Credit 4.1	Low-Emitting Materials, Adhesives & Sealants	1			LEED Documentation fees, $1200	unknown	Improved Air Quality	Volatile Organic Compounds (VOCs) are emitted as gases from certain products and are particularly noticeable in new construction. They can be odorous and irritating, but some of these airborne chemicals may have also produce short- and long-term adverse health affects. In the design of the Wolk Center, low-VOC paints, adhesives, carpet, and composite wood products were specified with the intent to prevent indoor air quality problems from arising. This worked in conjunction with the IAQ management plans noted above in improving the air quality in the new building for its occupants.	
EQ Credit 4.2	Low-Emitting Materials, Paints & Coatings	1			LEED Documentation fees, $1800	unknown	Improved Air Quality		
EQ Credit 4.3	Low-Emitting Materials, Carpet Systems	1			LEED Documentation fees, $1200	unknown	Improved Air Quality		
EQ Credit 4.4	Low-Emitting Materials, Composite Wood & Agrifiber Products	1			LEED Documentation fees, $1200	unknown	Improved Air Quality		
EQ Credit 5	Indoor Chemical & Pollutant Source Control	1			LEED Documentation fees; $2000	Additional door closer required at janitor's closet, above standard practice. Device provided by MCC.	Improved Air Quality	Permanent Entryway systems are installed at the main entrance to the facility. This system allows for drainage and cleaning underneath, helping to capture dirt and particulates at the entrance to the building where it is directly connected to the outdoors. Walk-off mats are provided at a secondary entrance. Per the USGBC, these are required to be maintained weekly, but are actually maintained daily through MCC's maintenance program. Where hazardous gases or chemicals may be present or used, such as custodial areas, each space is exhausted sufficiently to create negative pressure with respect to adjacent spaces with the doors to the room closed. Self-closing doors and deck to deck partitions are provided.	
EQ Credit 6.1	Controllability of Systems, Lighting	1			LEED Documentation fees; $2500	Estimated incremental cost: $1,500 less $468 incentive = $1,032.00	$177 annual savings in energy, with a payback period of 5.83 years (in 2008 energy costs); see Appendix B.	Individual lighting controls are provided for 95.2% of the building occupants to enable adjustments to suit individual task needs and preferences. The Wolk Center was designed for flexibility and its rooms may serve different users and different programmatic needs. The Wolk Center accommodates this through flexibility in its lighting design. Controls are located near entry doors and near teaching stations and workstations that provide multi-level (0, 33, 67 and 100% levels) switching and occupancy sensor control.	
EQ Credit 6.2	Controllability of Systems, Thermal Comfort	1			LEED Documentation fees; $2500. Added VAV boxes were considered an expectation for this project. Design fees and coordination expenses for additional VAV boxes were not "additional" in this case.	VAV boxes were provided for each office space in the Wolk Center, as directed by the College. Fewer VAV Boxes could have been used, providing some first cost savings but considerations for overall performance, controllability of systems and long term user comfort concerns determined this to be the preferred design.	Keeping in mind that the greatest cost to business is that of salaries, any improvement in productivity, through occupant comfort, lighting, temperature and increased natural ventilation, lower turnover, etc. can have a major impact on the bottom line.	The Wolk Center has provided controls and systems to give the building occupants a larger degree of individual control over the HVAC system. Each office has a separate control point, sensor and VAV box for individual comfort. Multi-occupant spaces also have a control and temperature sensor. Each temperature sensor senses the space temperature and allows the occupant to adjust for their comfort. Occupancy sensor control will increase the space control levels to an occupied level when someone is sensed in the room. The CO2 sensors will increase the volume of air into a space when the CO2 level is above a preset limit.	
EQ Credit 7.1	Thermal Comfort, Design	1			LEED Documentation fees; $500. ASHRAE 55-2004. Met through standard practice.	Standard practice		The building thermal comfort conditions follow those recommended by ASHRAE 55-2004. The HVAC system is a variable air volume with hot water reheat system sized to maintain these conditions and to provide individual space control. The building control system has temperature sensors and programming to maintain the intended conditions. All offices, classrooms, conference rooms and meeting spaces will have individual area control.	
EQ Credit 7.2	Thermal Comfort, Verification	1			LEED Documentation fees; survey development; $1700.	None	Owner-performed survey and response	MCC will issue a thermal comfort survey to the building occupants after a year of occupancy (see sample survey in Appendix F) . If more than 20% of the occupants are dissatisfied with the thermal conditions of the spaces then MCC will develop a plan to make improvements for occupant comfort. Before improvements are made the thermal conditions in the areas under review will be measured as described in ASHRAE 55-2004. This will help determine if the spaces are being maintained to the design parameters. This project has separate controls in individual offices which will make tailoring of spaces to the individuals much easier.	
EQ Credit 8.1	Daylight & Views, Daylight for 75% of Spaces			1	X			The design constraints of this addition with regard to the building's footprint, density and adjacencies made addressing the Daylight and Views credits a challenge and so, they were not attempted in this project.	
EQ Credit 8.2	Daylight & Views, Views for 90% of Spaces			1	X				
	Subtotal Indoor Environmental Quality	**12**	**1**	**2**					

Innovation & Design Process (5 possible points)		COMMITMENT yes	poss.	no	ADDITIONAL COST Design	Construction	Incentives / Benefits / Life Cycle Savings	COMMENTS	ADD ALT.?
ID Credit 1.1	Innovation in Design: Educational Opportunities	1			LEED documentation fees, $3500. Web site, signage, and tour costs can be provided by MCC. Case Study provided by SWBR and also utilized for County LEED Summary Report.	MCC addressed costs related to signage and website development as a broader campus initiative.	Demonstration of improved awareness and environmental commitment from the administration and students can be considered to be a cultural benefit and a recruiting tool.	The Wolk Center has provided public educational display regarding the sustainable design of the Wolk Center and a companion, web-based educational display. The College offers guided tours and has developed this case study document as a series of educational tools about sustainable design.	
ID Credit 1.2	Innovation in Design: Building as a Teaching Tool	1			LEED documentation fees, $1200. MCC HVAC Design curriculum was tailored to include the Building as a Teaching Tool for this credit; MCC/SWBR collaboration in Curriculum Development; LEED Documentation fees.	None	There are educational benefits for occupants, students, owners, & community in having the building as a teaching tool. The curriculum, with the building as a laboratory, teaches and prepares a new generation for a more sustainable future.	MCC is using the Wolk Center itself as a teaching tool, integrating the building into its campus curriculum, so that students can experience a green building and study it's performance and systems design. Please see the curriculum document in Appendix G of the MCC Wolk Center LEED Summary Report.	
ID Credit 1.3	Innovation in Design: TBD			1				N/A	
ID Credit 1.4	Innovation in Design: TBD			1				N/A	
ID Credit 2	LEED Accredited Professional	1			LEED Documentation fees, $200; financial benefit from experienced professional involvement	financial benefit from experienced professional involvement		This project has several LEED Accredited Professionals as part of the Architectural and M/E/P design team. No additional consultant costs are incurred when working with SWBR Architects or M/E Engineering for design. LEED certification costs are included in the cost summary on page 23 of the MCC Wolk Center EED Summary Report.	
	Subtotal Innovation & Design Process	**3**	**0**	**2**					

	yes	poss.	no
PROJECT TOTALS	**35**	**2**	**32**

Additional Design Fees

Construction Cost	$5,624,000
Design Fees, including LEED Fees and other "soft" project costs	$1,386,000
Estimated Furniture, Fit-Out and Equipment Costs	$398,000
Project Cost	$7,408,000

LEED doc fees	62,500
Design Fees Subtotal	$62,500

First Cost LEED Design fees as % of Project Cost	0.84%

Additional Construction Costs

Contractor execution of Waste Mgt. Plan		(unknown)
Water Efficient Fixtures	600	
Fundamental Commissioning	21,000	includes LEED documentation fees
Energy Efficiency Measures (All)	53,067	See detail in Table 1-1, page 24 of LEED Summary Report
FSC Wood Core Doors	44	
Outdoor Air Delivery Monitoring	6,000	
Air Quality Flush-out	670	
Construction Costs Subtotal	$81,381	

First Cost LEED Constr. Costs as % of Project Cost	1.10%

Subtotal: Additional Cost (Design Fees + Construction Costs)	$143,881
NYSERDA Incentives for Energy Efficiency Measures	($15,841)
Total: Additional Cost for LEED (Design + Construction - Incentives)	$128,040
Annual Energy Savings (From Energy Analysis)	$11,622
Payback Period for all Sustainable Investments (in years) (Total Additional Cost for LEED / Annual Energy Savings)	11.0

Final Cost: LEED as a percentage of Project Cost (Total Additional Cost for LEED / Project Cost	**1.73%**

Appendix F
Sample Thermal Comfort Survey

Indoor Environmental Quality Survey

Date: __________

1. Agency: Monroe Community College

   Building: Bldg 9, Wolk Addition Room #: _______________ Occupant Name: _______________

2. Approximately how many hours per week do you work? __________Hours

3. Approximately how many hours per week do you spend in the office? __________Hours

4. Approximately how many years have you been working in the building? __________Years
5. Please indicate your primary work space.

   ☐ Work throughout building.
   ☐ Enclosed office
   ☐ Cube with tall wall (> 6 feet)
   ☐ Cube with short wall (< 6 feet)
   ☐ Other______________________

6. Were any of the following items regularly used at your workstation during the past year?

	Yes	No
Portable Fan	☐	☐
Portable air filter or cleaner	☐	☐
Portable space heater	☐	☐
Portable humidifier	☐	☐

7. At any time during the past year have you noticed evidence of new or continued water leaks from the ceiling, floors, walls, or pipes near your workstation?

   ☐ Yes ☐ No

8. During the past year have any of the following changes taken place within 15 feet of your current workstation?

	Yes	No
New carpeting	☐	☐
New furniture (chairs, desks)	☐	☐
New equipment (computer)	☐	☐
Wall construction	☐	☐
Walls painted	☐	☐
Cubes rearranged	☐	☐

9. Do you have any concerns with the indoor air quality that you would like to discuss?

   ☐ Yes (continue survey)
   ☐ No (please stop survey and return form)

10. Please check the category below that best describes your current work area
    (Note: If you or your coworkers have modified your work area through the use of fans, space heaters, humidifiers, air cleaners or other, please answer based on how you would describe the work area without the modification.)

During the last *YEAR*:					
how often was…	**Never**	**Monthly**	**Weekly**	**Daily**	**Always**
the temp too hot					
the temp too cold					
the air circulation poor					
the air dusty					
the air too humid					
the air too dry					
there disturbing noises					
other ___________					

During the last *YEAR*:					
Please indicate whether there is a seasonal correlation with the following conditions:	**Not Related**	**Spring**	**Summer**	**Fall**	**Winter**
the temp too hot					
the temp too cold					
the air circulation poor					
the air dusty					
the air too humid					
the air too dry					
disturbing noises					
other ___________					

11. Please check the category below that best describes the frequency of odors in your work area.

During the last year how often, if at all, did you notice any of the following odors in your work area?	**Never**	**Monthly**	**Weekly**	**Daily**	**Always**
Tobacco smoke					
Musty, moldy damp basement smell					
Food smells					
Paint and/or construction odors					
Diesel or other exhaust odors					
Photo copy machine					
Chemical odors					
Other (describe) ___________					

12. Are you experiencing any physical symptoms that you think may be attributed to your work environment?

☐ Yes ☐ No

If no, then please go to question 14

13. Please describe the physical symptoms:

Symptom #1 ____________________
Symptom #2 ____________________
Symptom #3 ____________________

13-a. In which season(s) are you bothered more by the symptoms you reported in question 12?

☐ Winter ☐ Spring
☐ Summer ☐ Fall
☐ No relation to the seasons

13-b. Do the above symptom(s) clear up within 1 hour after leaving the building?

	Yes	No
Symptom #1	☐	☐
Symptom #2	☐	☐
Symptom #3	☐	☐

13-c. If no, which symptom(s) persist throughout the week?

☐ #1 ☐ #2 ☐ #3

13-d. Are you currently being treated by a health care professional for any of the above symptoms?

☐ Yes ☐ No

If no, then please go to question 14

13-e. If yes, which one(s):

☐ #1 ☐ #2 ☐ #3

14. Do you believe you are or may be allergic to any of the following?

Pollen or plants	☐
Animal dander (cat, dog)	☐
Mold	☐
Dust (house, paper)	☐
Other __________________	☐

Have you been tested by a physician to verify allergies?

☐ Yes ☐ No

15. Do you wear corrective lenses?

☐ No ☐ Contacts
☐ Glasses ☐ Bifocals/trifocals

16. Have you had your eyes examined within the last two years?

☐ Yes ☐ No

17. On the average, how many hours do you use a computer at work?

☐ 0 to 2 ☐ 2 to 4
☐ 4 to 6 ☐ 6 or more

18. The level of lighting at your work station is:

☐ Too dim ☐ Just right ☐ Too bright

19. Do you experience reflection or glare from your computer monitor?

☐ Yes ☐ No

20. Please indicate your primary job task:

☐ Supervisor/manager ☐ Support/clerical
☐ Professional/technical ☐ Other ______________

21. Can you offer any other comments or observations concerning your work area:

____
____
____
____
____
____
____
____
____

Please direct any questions regarding this survey and return the completed forms to:

Blaine Grindle
Director of Facilities
Brighton Campus
Monroe Community College
Building 21, Room 108A
Phone Number: 585-292-2804

Appendix G
Curriculum Document

Building Green
HVA 130

Catalog Description:

The wise utilization of our natural resources in our homes and buildings has become important to the vast majority of the population. Not only are we looking out for the environment, we're looking out for our wallet. We hear terms like building green, sustainability, LEED, energy conservation; what do these terms mean?

This course will explore the various components of a home or building. The content will be applicable to both the HVAC professional as well as the home/building owner. Beyond the utilization of a text, faculty handouts, exploration in lab, we will tour the recently completed Louis S. and Molly B. Wolk Center for Excellence in Nursing addition to building 9 on our Brighton campus to study many of these components in operation, and review the Case Study developed for LEED Certification on that project.

Credit: 3
Total Student Contact hours: 45
Faculty Contact hours: 3
Prerequisite: None

SYLLABUS:

Week	Topic
1	Orientation, discussion on building green
2	Green buildings, the LEED Rating System, and Energy Management; Striving for sustainability in construction.
3	Building orientation, natural surroundings & ecology, and implications on the indoor environment
4	Types of wall insulation, ventilation
5	Types of windows, friend or foe. Roofing options
6	Selecting flooring, wall covering; sustainable design concerns
7	Water conservation in the building, hot water heaters, selection of faucets and fixtures
8	Comparing normal fuel sources; gas, oil, electric
9	Exploring geothermal
10	The future for solar and fuel cells
11	Lab- experiments utilizing solar and fuel cells
12	Renovation of existing buildings, recycling intelligently.
13	Utilizing RHVAC for calculating heat loss/gain
14	Begin final project in lab
15	Present final project to class

Texts: Green from the Ground Up: Sustainability, Healthy and Energy Efficient Home Design , Author: Johnston and Gibson, The Tauton Press; "LEED Case Study for the Louis S. and Molly B. Wolk Center for Excellence in Nursing", Edited by SWBR Architects; Contributors: SWBR Architects, M/E Engineering, Parrone Engineers, SAIC Engineers, Monroe Community College; and Faculty handouts

Issues in Energy Management and Sustainability
HVA 230

Course Description: The successful HVAC technician is not only an expert in diagnosing and servicing the environmental systems within a building, they need to be totally aware of the building itself and the implications for minimizing the impact on occupants and the environment.

The goal of this course is the familiarization of the technician with modern design considerations that engineers and architects face and that we are expected to implement. Not only will we be utilizing handouts on various building components, but we will be reviewing MCC's LEED submissions for the recently completed Louis S. and Molly B. Wolk Center for Excellence in Nursing, remotely accessing the building electric and energy management systems, and reviewing building blueprints; all in an attempt to better understand the implications for both the building and service tech. The Wolk Center building addition will be used as a "living laboratory" and teaching tool as an example of sustainable energy management.

The final in this course will be a group presentation on what the students feel turned out well during construction versus areas they see for improvement in the future.

Credit: 3
Student Contact hours: 45
Faculty contact hours: 3
Prerequisite(s): HVA 101, 102,103, 104, 105 or instructor permission.

SYLLABUS:

Week	Topic
16	Orientation and class expectations
17	Discussion on "what is building energy management"

18 Good design practices for commercial buildings
19 Energy management computer systems
20 Understanding Energy Mgnt. System in Wolk Center utilizing remote access.
21 Monitoring electric utilization in Wolk Center utilizing remote access.
22 Options for water conservation, heating in Wolk Center.
23 Discussion on Energy Management and Sustainable Design (LEED)
24 Familiarization with NYS building code, NYSERDA
25 Understanding the building envelope.
26 Minimizing need for heating & cooling
27 Options for heating & cooling
28 Components of building commissioning
29 Life-Cycle Cost implications of building for high performance within LEED Rating System standards versus the resultant savings in cost of operation
30 Final project presentation

Texts: Extensive faculty handouts, and "LEED Case Study for the Louis S. and Molly B. Wolk Center for Excellence in Nursing" Edited by SWBR Architects; Contributors: SWBR Architects, M/E Engineering, Parrone Engineers, SAIC Engineers, Monroe Community College