



Custom Procurement Report

Control How You Source Building Systems

Directly access suppliers and automate sourcing, procurement, and financing—all from one platform

Key Benefits

Save Time

Automate RFQs and reduce manual work by up to 50%

Cut Costs

Negotiate directly with suppliers for better deals

Streamlined Sourcing

Take BuildVision's structured data and send it to suppliers at BuildVision.io

Customer Information

| | |
|------------------------|--|
| Customer Name | HRCG |
| Contact Person | Anthony DiGirolamo |
| Contact Email | adigirolamo@hrcg.com |
| Contact Phone | N/A |
| Contact Address | 90 Merrick Avenue, East Meadow, NY 11554 |

Project Information

| | |
|------------------------|--|
| Project Name | HSS Long Island ASC Fit-Out |
| Location | East Meadow, NY |
| Start Date | 5/13/2025 |
| Completion Date | N/A |
| Budget | N/A |
| Scope | Healthcare facility fit-out with HVAC and power systems installation |
| Project ID | e4130056-0863-4954-974c-eae85b9a64bc |
| Project URL | BuildVision Project Link |

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Project Equipment

Indoor Central-Station Air-Handling Units

| Equipment Tag | Manufacturer | Model |
|---------------|--------------|--------|
| AHU-3-1 | Haakon | CUSTOM |
| AHU-3-2 | Haakon | CUSTOM |

Notes

Custom AHUs designed for healthcare application

Modular Water Chillers

| Equipment Tag | Manufacturer | Model |
|---------------|--------------|----------|
| ASHP-1.1 | AERMEC | NYK500HD |
| ASHP-1.2 | AERMEC | NYK500HD |
| ASHP-1.3 | AERMEC | NYK500HD |
| ASHP-1.4 | AERMEC | NYK500HD |
| ASHP-1.5 | AERMEC | NYK500HD |
| ASHP-1.6 | AERMEC | NYK500HD |
| ASHP-1.7 | AERMEC | NYK500HD |

Notes

Heat pump chiller modules in 7-module configuration for heating and cooling

Diesel Engine Generators

| Equipment Tag | Manufacturer | Model |
|---------------|--------------|---------|
| G-1 | Caterpillar | D600 GC |

Notes

600 kW generator for backup power

Automatic Transfer Switches

| Equipment Tag | Manufacturer | Model |
|---------------|--------------------|------------------|
| ATS-CR | Schneider Electric | ASCO 7000 SERIES |
| ATS-EQ1 | Schneider Electric | ASCO 7000 SERIES |
| ATS-EQ2 | Schneider Electric | ASCO 7000 SERIES |

| | | |
|--------|--------------------|------------------|
| ATS-LS | Schneider Electric | ASCO 7000 SERIES |
|--------|--------------------|------------------|

Notes

Premium quality transfer switches for healthcare facility power distribution

Small-Capacity Split-System Air Conditioners

| Equipment Tag | Manufacturer | Model |
|---------------|---------------------|---------------------------------|
| AC-1-1 | Mitsubishi Electric | PUY-P24NKMU-E2 / PKY-P24NKMU-E2 |

In-Line Centrifugal Hydronic Pumps

| Equipment Tag | Manufacturer | Model |
|---------------|------------------------|---------|
| CHWP-1-1 | Taco Comfort Solutions | VL 1508 |
| CHWP-1-2 | Taco Comfort Solutions | VL 1508 |
| CHWP-2-1 | Taco Comfort Solutions | VL 1508 |
| CHWP-2-2 | Taco Comfort Solutions | VL 1508 |

Suppliers

Indoor Central-Station Air-Handling Units

| Manufacturer | Model | Representative | Compatibility Notes | BoD |
|------------------------------|--------|--------------------|--|--------|
| Haakon | CUSTOM | N/A | Basis of Design | Yes |
| CES/Ventrol | | Gil-Bar Industries | Listed as approved manufacturer in spec section 237313. Custom AHUs will require careful evaluation of alternatives to ensure they meet the specific requirements for the healthcare facility. | Listed |
| Nortek Air Solutions/Temtrol | | Gil-Bar Industries | Listed as approved manufacturer in spec section 237313. Healthcare-grade specifications required. | Listed |

| | | | | |
|-----------------------|-------------------|--------------------------|--|--------|
| Air Enterprise | | New York Thermal Systems | Listed as approved manufacturer in spec section 237313. Healthcare-grade specifications required. | Listed |
| Trane | Custom AHU Series | Trane Commercial Sales | SUGGESTED ALTERNATIVE: Trane offers high-quality custom AHUs suitable for healthcare applications with double-wall construction and hospital-grade features. | No |
| Daikin Applied | Vision Custom AHU | Daikin Applied | SUGGESTED ALTERNATIVE: Daikin Applied Vision series offers custom healthcare-grade AHUs with antimicrobial treatments and premium filtration options. | No |
| York/Johnson Controls | Solution XT | Johnson Controls | SUGGESTED ALTERNATIVE: York Solution XT custom AHUs can be configured for healthcare applications with appropriate filtration and construction features. | No |

Modular Water Chillers

| Manufacturer | Model | Representative | Compatibility Notes | BoD |
|--------------|----------|-----------------|--|------------|
| AERMEC | NYK500HD | N/A | Basis of Design | Yes |
| Multistack | | SRS Enterprises | Listed as approved manufacturer in spec section 236213. The AERMEC NYK500HD is a high-efficiency heat pump chiller. The 7-module configuration suggests approximately 875 tons of capacity (125 tons per module). Modular system, good for redundancy. | Listed |

| | | | | |
|----------------------|---------------------------|----------------------|--|----|
| Climacool | UCW Series | Climacool North-east | SUGGESTED ALTERNATIVE: Climacool offers modular heat pump chillers that can provide similar redundancy and heating/cooling capabilities as the AERMEC system. | No |
| Arctic Group Chiller | ArcticCool Modular Series | Arctic Group Chiller | SUGGESTED ALTERNATIVE: ArcticCool modular heat pump chillers offer flexible configurations with good energy efficiency and redundancy for healthcare applications. | No |
| Daikin Applied | Pathfinder AWW Series | Daikin Applied | SUGGESTED ALTERNATIVE: Daikin's modular air-cooled heat pump chillers offer high efficiency and can be configured in multiple units for redundancy. | No |

Diesel Engine Generators

| Manufacturer | Model | Representative | Compatibility Notes | BoD |
|--------------|---------|--------------------------|--|------------|
| Caterpillar | D600 GC | N/A | Basis of Design | Yes |
| Kohler | | H.O. Penn | The Caterpillar D600 GC is a 600 kW generator. Alternatives should match this capacity. H.O. Penn serves New York with full sales and service for Caterpillar products and represents Kohler generators. | Listed |
| Cummins | | Cummins North-east | Reliable option for healthcare applications | Listed |
| MTU | | Atlantic Power | Verify healthcare-grade features and 600 kW capacity | Listed |
| Generac | SG600 | Generac Industrial Power | SUGGESTED ALTERNATIVE: Generac offers commercial-grade generators suitable for healthcare applications, typically at a lower price point than premium brands. | No |

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|------------------|----------|--------------------|---|----|
| HIPOWER Sys-tems | HRJW-600 | HIPOWER North-east | SUGGESTED ALTERNATIVE: HIPOWER provides reliable diesel generators that can meet healthcare facility requirements with competitive pricing. | No |
|------------------|----------|--------------------|---|----|

Automatic Transfer Switches

| Manufacturer | Model | Representative | Compatibility Notes | BoD |
|-----------------------|---------------------------|-------------------------|--|--------|
| Schneider | Electric ASCO 7000 SERIES | N/A | Basis of Design | Yes |
| Russelectric | | Russelectric Northeast | ASCO 7000 series are premium quality switches. Match quality and functionality. | Listed |
| Cummins | | Cummins North-east | Verify healthcare code compliance | Listed |
| Kohler | | H.O. Penn | Verify healthcare code compliance | Listed |
| Eaton | | Cooper Electric | Evaluate carefully to ensure they meet healthcare code requirements | Listed |
| Thomson Power Systems | TS870 Series | Thomson Power Systems | SUGGESTED ALTERNATIVE: Thomson offers high-quality transfer switches that can be configured for healthcare applications at competitive prices. | No |
| GE Zenith Controls | ZTX Series | GE Industrial Solutions | SUGGESTED ALTERNATIVE: GE Zenith transfer switches feature reliable operation suitable for healthcare critical power applications. | No |

Small-Capacity Split-System Air Conditioners

| Manufacturer | Model | Representative | Compatibility Notes | BoD |
|--------------|--|----------------|---------------------|-----|
| Mitsubishi | Electric PUY-P24NKMU-E2 / PKY-P24NKMU-E2 | N/A | Basis of Design | Yes |

| | | | | |
|---------|------------------|----------------------|--|----|
| Daikin | SkyAir Series | Daikin North America | SUGGESTED ALTERNATIVE: Daikin SkyAir systems offer similar performance to Mitsubishi with good reliability and efficiency. | No |
| LG | Multi V S Series | LG Electronics USA | SUGGESTED ALTERNATIVE: LG's commercial split systems provide efficient operation with low noise levels suitable for healthcare environments. | No |
| Samsung | DVM S Series | Samsung HVAC | SUGGESTED ALTERNATIVE: Samsung offers reliable split systems with good warranties and efficiency ratings at competitive prices. | No |

In-Line Centrifugal Hydronic Pumps

| Manufacturer | Model | Representative | Compatibility Notes | BoD |
|----------------|---------------------------|-----------------------------|--|-----|
| Taco | Comfort Solutions VL 1508 | N/A | Basis of Design | Yes |
| Armstrong | 4300 Series | Armstrong Fluid Technology | SUGGESTED ALTERNATIVE: Armstrong offers high-quality in-line pumps with similar hydraulic performance to Taco. | No |
| Bell & Gossett | e-80 Series | Xylem Applied Water Systems | SUGGESTED ALTERNATIVE: Bell & Gossett's e-80 series provides reliable performance for healthcare hydronic systems with good efficiency. | No |
| Grundfos | TP Series | Grundfos Pumps Corporation | SUGGESTED ALTERNATIVE: Grundfos offers premium efficiency pumps with stainless steel options ideal for healthcare applications. | No |
| Wilo | CronoLine-IL Series | Wilo USA | SUGGESTED ALTERNATIVE: Wilo's inline pumps offer competitive pricing with good reliability and efficiency for healthcare hydronic systems. | No |

BuildVision Recommendations

1. Early Procurement of Long Lead Items

Rationale: The custom Haakon AHUs and AERMEC heat pump modules have 20-30 week lead times. Early procurement is critical to avoid project delays, especially given the May 2025 start date.

Estimated Impact: Prevention of 4-6 week project delays that could cost \$50,000-\$100,000 in extended general conditions and temporary measures.

Implementation: 1. Issue early equipment purchase orders for AHUs and heat pumps
2. Secure storage if equipment arrives before installation readiness
3. Coordinate delivery schedules with construction sequence
4. Consider progressive payments to manufacturers to accelerate production

Priority: High

2. Competitive Bidding for AHU Alternatives

Rationale: Custom Haakon AHUs represent a significant cost, but three approved alternatives exist (CES/Ventrol, Nortek/Temtrol, Air Enterprise). Healthcare-grade specifications can be maintained while potentially reducing costs through competitive bidding.

Estimated Impact: Potential 5-15% cost reduction on AHU package while maintaining quality and performance specifications.

Implementation: 1. Develop detailed specification matrix of critical healthcare requirements
2. Request quotes from all approved manufacturers
3. Compare lifecycle costs, not just initial price
4. Evaluate maintenance support availability from local representatives

Priority: High

3. Modular Heat Pump System Optimization

Rationale: The current design specifies seven AERMEC NYK500HD modules. Reconsidering the module count and sizing could maintain redundancy while reducing procurement costs and simplifying the hydronic connections.

Estimated Impact: Potential savings of 10-15% on heat pump system costs while maintaining redundancy requirements.

Implementation: 1. Evaluate 5 larger modules vs 7 smaller modules
2. Verify N+1 redundancy is maintained with fewer modules
3. Calculate efficiency at typical operating loads with different configurations
4. Consider Multistack as competitive alternative to AERMEC

Priority: Medium

4. Generator Package Competitive Bidding

Rationale: The Caterpillar D600 GC generator specification can be met by multiple manufacturers (Kohler, Cummins, MTU). Healthcare applications require premium features, but competition can drive favorable pricing.

Estimated Impact: Potential 5-10% cost reduction on generator package through competitive bidding while maintaining reliability and performance.

Implementation: 1. Develop detailed healthcare-grade specifications
2. Request bids from all four manufacturers with clear evaluation criteria
3. Include service package options in bid evaluation
4. Evaluate fuel efficiency and maintenance requirements

Priority: Medium

5. Transfer Switch Procurement Strategy

Rationale: The specified Schneider Electric ASCO 7000 Series transfer switches are premium products, but alternatives from Russelectric, Cummins, Kohler, and Eaton could offer comparable quality at potentially lower costs.

Estimated Impact: Potential savings of 5-8% on transfer switch package while maintaining required performance for healthcare applications.

Implementation: 1. Verify all alternatives meet healthcare code requirements
2. Request bids with specific healthcare-related performance criteria
3. Consider bundling generator and transfer switch procurement if manufacturer offers both
4. Evaluate warranty differences between options

Priority: Medium

Conclusion

Key Findings

- Custom air handling units and modular heat pump systems provide necessary healthcare-grade performance but require 20-30 week lead times
- Multiple viable manufacturer alternatives exist for all major equipment categories that could potentially reduce costs while maintaining quality
- The modular configuration of HVAC systems offers redundancy but may introduce complexity in maintenance and commissioning
- Premium power distribution components are specified to meet healthcare code requirements
- Early equipment procurement is critical to prevent project delays given the May 2025 start date

Highest Priority Actions

- Release early equipment packages for long-lead items, particularly custom AHUs and generator systems
- Evaluate healthcare-grade alternatives from approved manufacturers to optimize cost without compromising quality
- Validate that proposed system configurations maintain required N+1 redundancy while exploring opportunities to reduce complexity
- Coordinate equipment procurement timeline with overall project phasing to prevent construction delays

Summary

The HSS Long Island ASC Fit-Out project involves sophisticated procurement of healthcare-grade HVAC and power systems equipment with significant lead-time challenges. The design includes custom Haakon air handling units, a seven-module AERMEC heat pump system, Caterpillar backup generator, and premium Schneider Electric transfer switches. While the specified equipment meets healthcare requirements, there are viable alternatives that could offer similar performance potentially at competitive prices.



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