CITY OF MOBILE ARENA
CITY OF MOBILE PROJECT NO. CC-034A-22

ADDENDUM NUMBER 03 **ISSUE DATE 1/28/25**

PROJECT: MOBILE ARENA
OWNER: CITY OF MOBILE

GMC PROJECT NO. AMOB230117

AD1-1 CLARIFICATIONS / RFI RESPONSES / SUBSTITUTIONS / ETC.:

A. Bidders shall acknowledge receipt of this Addendum via email response.

B. Any requests for information or clarifications specific to this Addendum shall be forwarded to the following:

Keith Parker – Project Manager, GMC keith.parker@gmcnetwork.com ;
Sam Matheny – Program Manager, Volkert sam.matheny@volkert.com .

C. Signed Bid Substitution forms reviewed to-date are attached for reference.

D. RFI Responses to-date are attached for reference.

AD1-2 ISSUED SPECIFICATIONS:

A. The following revised specification sections are as follows and included herein:

- 00 10 00 – Invitation to Bid
- 00 24 00 – Proposal Form
- 00 73 00 – Supplementary Project Instructions
- 01 23 00 – Alternates
- 08 42 29 – Sliding Automatic Entrances
- 08 71 00 – Door Hardware
- 27 41 16 – Appendix A Major Equipment List

AD1-3 ISSUED DRAWINGS:

A. The following revised drawing sheets are as follows and included herein noted as Addendum#3 on each title block and clouded with Revision #3 at each instance for

reference:

Sheet Number	Sheet Name
L1-01	MATERIALS PLAN
L1-02	MATERIALS PLAN
L1-03	MATERIALS PLAN
L2-00	SITE DETAILS
L2-02	SITE DETAILS
L2-03	SITE DETAILS
S0-02	GENERAL NOTES
S0-21	CLADDING ERECTION NOTES
S2-1A	EVENT LEVEL FOUNDATION & FLOOR PLAN - QUAD A
S2-1B	EVENT LEVEL FOUNDATION & FLOOR PLAN - QUAD B
S2-1C	EVENT LEVEL FOUNDATION & FLOOR PLAN - QUAD C
S2-1D	EVENT LEVEL FOUNDATION & FLOOR PLAN - QUAD D
S2-2A	MAIN CONCOURSE LEVEL - QUAD A
S2-2B	MAIN CONCOURSE LEVEL - QUAD B
S2-2C	MAIN CONCOURSE LEVEL - QUAD C
S2-2D	MAIN CONCOURSE LEVEL - QUAD D
S2-3A	SUITE LEVEL - QUAD A
S2-3B	SUITE LEVEL - QUAD B
S2-3C	SUITE LEVEL - QUAD C
S2-3D	SUITE LEVEL - QUAD D
S2-4A	CATWALK AND LOW ROOF LEVEL - QUAD A
S2-4D	CATWALK AND LOW ROOF LEVEL - QUAD D
S2-10	PARTIAL PLANS
S4-1-01	TYPICAL FOUNDATION DETAILS
S4-1-02	TYPICAL FOUNDATION DETAILS & SCHEDULES
S4-2-01	FOUNDATION & CONCRETE DETAILS
S4-2-02	FOUNDATION & CONCRETE DETAILS
S4-3-08	TYPICAL STEEL DETAILS
S4-4-02	STEEL DETAILS
S4-4-03	STEEL DETAILS
S5-1-04	PRECAST CLADDING ELEVATIONS
S6-1-05	BUILDING SECTIONS - STAIRS

S6-1-06	BUILDING SECTIONS - STAIRS
S8-1-01	STEEL COLUMN SCHEDULE

A0-1	ARCHITECTURAL STANDARDS AND PARTITIONS TYPES
A0-4	EXTERIOR WALL AND ROOF TYPES
A0-5	MOCKUP DETAILS
A1-10	EXTERIOR SCREEN PLAN
A1-26	PRECAST STADIA - LOWER BOWL
A1-27	PRECAST STADIA - PREMIUM BOWL
A2-1A	EVENT LEVEL - QUAD A
A2-1B	EVENT LEVEL - QUAD B
A2-1C	EVENT LEVEL - QUAD C
A2-1D	EVENT LEVEL - QUAD D
A2-2A	MAIN CONCOURSE LEVEL - QUAD A
A2-2D	MAIN CONCOURSE LEVEL - QUAD D
A3-1-3	ENLARGED PLANS - EVENT LEVEL - RR/LOCKERS/MARKET
A3-1-5	ENLARGED PLANS - EVENT LEVEL - RR/LOCKERS
A3-1-6	ENLARGED PLANS - EVENT LEVEL - CREW/ELECTRICAL
A3-1-8	ENLARGED PLANS - EVENT LEVEL - BACK OF HOUSE
A3-2-2	ENLARGED PLANS - MAIN CONCOURSE - MARKETS
A4-1A	EVENT LEVEL RCP - QUAD A
A4-1B	EVENT LEVEL RCP - QUAD B
A4-2D	MAIN CONCOURSE LEVEL RCP - QUAD D
A5-2-1	EXTERIOR ELEVATIONS ENLARGED - WEST
A5-2-2	EXTERIOR ELEVATIONS ENLARGED - NORTH
A5-2-3	EXTERIOR ELEVATIONS ENLARGED - EAST
A5-2-4	EXTERIOR ELEVATIONS ENLARGED - SOUTH
A5-3-1	EXTERIOR ELEVATIONS ENLARGED - DETAIL
A5-3-2	EXTERIOR ELEVATIONS ENLARGED - DETAIL
A5-3-4	EXTERIOR ELEVATIONS ENLARGED - DETAIL
A5-4-1	CURTAINWALL & STOREFRONT ELEVATIONS
A6-1-1	INTERIOR ELEVATIONS - EVENT LEVEL - GRAND HALL
A6-1-2	INTERIOR ELEVATIONS - EVENT LEVEL - GRAND HALL
A8-2-1	EXTERIOR DETAILS
A8-2-6	EXTERIOR SCREEN PATTERN
A8-5-1	VERTICAL CIRCULATION DETAILS

A8-9-1	CEMENTITIOUS PANEL DETAILS
A9-1-1	DOOR SCHEDULES TYPES & FRAMES
A9-1-2	WINDOW & LOUVER SCHEDULES
A9-2-1	FINISH LEGEND
A9-2-2	ROOM SCHEDULE
A9-3	TV SCHEDULE
M8-06	MECHANICAL DETAILS
P0-01	PLUMBING GENERAL NOTES AND LEGEND
TA001	AUDIO-VIDEO - PLATE REQUIREMENTS
TA101.A	AUDIO-VIDEO - 01 - EVENT LEVEL PLAN - QUAD A
TA101.B	AUDIO-VIDEO - 01 - EVENT LEVEL PLAN - QUAD B
TA101.D	AUDIO-VIDEO - 01 - EVENT LEVEL PLAN - QUAD D
TA102.B	AUDIO-VIDEO - 02 - MAIN CONCOURSE PLAN - QUAD B
TA104.A	AUDIO-VIDEO - 04 - CATWALK LEVEL PLAN - QUAD A
TA104.B	AUDIO-VIDEO - 04 - CATWALK LEVEL PLAN - QUAD B
TA104.C	AUDIO-VIDEO - 04 - CATWALK LEVEL PLAN - QUAD C
TA104.D	AUDIO-VIDEO - 04 - CATWALK LEVEL PLAN - QUAD D
TA154.A	AUDIO-VIDEO - 04 - BOWL LOUDSPEAKER AIMING - QUAD A
TA154.B	AUDIO-VIDEO - 04 - BOWL LOUDSPEAKER AIMING - QUAD B
TA154.C	AUDIO-VIDEO - 04 - BOWL LOUDSPEAKER AIMING - QUAD C
TA154.D	AUDIO-VIDEO - 04 - BOWL LOUDSPEAKER AIMING - QUAD D
TA201.A	AUDIO-VIDEO - 01 - EVENT LEVEL RCP - QUAD A
TA201.B	AUDIO-VIDEO - 01 - EVENT LEVEL RCP - QUAD B
TA201.C	AUDIO-VIDEO - 01 - EVENT LEVEL RCP - QUAD C
TA201.D	AUDIO-VIDEO - 01 - EVENT LEVEL RCP - QUAD D
TA202.A	AUDIO-VIDEO - 02 - MAIN CONCOURSE RCP - QUAD A
TA202.B	AUDIO-VIDEO - 02 - MAIN CONCOURSE RCP - QUAD B
TA202.C	AUDIO-VIDEO - 02 - MAIN CONCOURSE RCP - QUAD C
TA202.D	AUDIO-VIDEO - 02 - MAIN CONCOURSE RCP - QUAD D
TA203.A	AUDIO-VIDEO - 03 - SUITE LEVEL RCP - QUAD A
TA203.B	AUDIO-VIDEO - 03 - SUITE LEVEL RCP - QUAD B
TA203.C	AUDIO-VIDEO - 03 - SUITE LEVEL RCP - QUAD C
TA203.D	AUDIO-VIDEO - 03 - SUITE LEVEL RCP - QUAD D
TA301	AUDIO-VIDEO - ENLARGED VIEWS - TR ROOMS

TA302	AUDIO-VIDEO - ENLARGED VIEWS - TR ROOMS
TA303	AUDIO-VIDEO - ENLARGED VIEWS - TR ROOMS
TA304	AUDIO-VIDEO - ELEVATIONS - CATWALK EQUIPMENT RACKS
TA306	AUDIO-VIDEO - SECTIONS - BALLROOMS
TA307	AUDIO-VIDEO - SECTIONS - BOWL PA
TA500	AUDIO-VIDEO - DETAILS
TA501	AUDIO-VIDEO - DETAILS
TA502	AUDIO-VIDEO - DETAILS
TA503	AUDIO-VIDEO - DETAILS
TA600	AUDIO-VIDEO - SCHEDULES
TA601	AUDIO-VIDEO - SCHEDULES
TA701	AUDIO-VIDEO - SIGNAL FLOWS
TA702	AUDIO-VIDEO - SIGNAL FLOWS
TA703	AUDIO-VIDEO - SIGNAL FLOWS
TA704	AUDIO-VIDEO - SIGNAL FLOWS
TA705	AUDIO-VIDEO - SIGNAL FLOWS
TA706	AUDIO-VIDEO - SIGNAL FLOWS
TA707	AUDIO-VIDEO - SIGNAL FLOWS
TA708	AUDIO-VIDEO - SIGNAL FLOWS
TA709	AUDIO-VIDEO - SIGNAL FLOWS
TA710	AUDIO-VIDEO - SIGNAL FLOWS
TA711	AUDIO-VIDEO - SIGNAL FLOWS
TA712	AUDIO-VIDEO - SIGNAL FLOWS
TA713	AUDIO-VIDEO - SIGNAL FLOWS
TA714	AUDIO-VIDEO - SIGNAL FLOWS
TA715	AUDIO-VIDEO - SIGNAL FLOWS
TB002	BROADCAST - PLATE LAYOUT EXAMPLES
TB010	BROADCAST SITE PLAN
TB101.B	BROADCAST - 01 - EVENT LEVEL PLAN - QUAD B
TB300	BROADCAST - ENLARGED VIEWS - HEADEND
TB301	BROADCAST - ENLARGED VIEWS - VIDEO PRODUCTION
TB302	BROADCAST - ENLARGED VIEWS - VIDEO PRODUCTION-ON-GLASS
TB304	BROADCAST- ENLARGED VIEWS - RECTANGLE CENTER SCOREBOARD
TB310	BROADCAST - BUILDING SECTIONS - CENTER SCOREBOARD & RIBBON BOARDS
TB500	BROADCAST - DETAILS
TB502	BROADCAST DETAILS - RACK PANELS

TB610	BROADCAST - SCHEDULES - PATCHBAYS - AUDIO
TB611	BROADCAST - SCHEDULES - PATCHBAYS - AUDIO
TB615	BROADCAST - SCHEDULES - PATCHBAYS - LC FIBER
TB620	BROADCAST - SCHEDULES - PATCHBAYS - NETWORK
TB621	BROADCAST - SCHEDULES - PATCHBAYS - NETWORK
TB625	BROADCAST - SCHEDULES - PATCHBAYS - SDI
TB626	BROADCAST - SCHEDULES - PATCHBAYS - SDI
TB630	BROADCAST - SCHEDULES - PATCHBAYS - SMPTE
TB631	BROADCAST - SCHEDULES - PATCHBAYS - SMPTE
TB635	BROADCAST - SCHEDULES - PATCHBAYS - ST FIBER
TB636	BROADCAST - SCHEDULES - PATCHBAYS - ST FIBER
TB637	BROADCAST- SCHEDULES - PATCHBAYS - ST FIBER
TB638	BROADCAST - SCHEDULES - PATCHBAYS - ST FIBER
TB639	BROADCAST - SCHEDULES - PATCHBAYS - ST FIBER
TB640	BROADCAST - SCHEDULES - PATCHBAYS - ST FIBER
TB701	BROADCAST - SIGNAL FLOWS
TB702	BROADCAST - SIGNAL FLOWS
TB703	BROADCAST - SIGNAL FLOWS
TB704	BROADCAST - SIGNAL FLOWS
TB705	BROADCAST - SIGNAL FLOWS
TB706	BROADCAST - SIGNAL FLOWS
TB707	BROADCAST - SIGNAL FLOWS
TB709	BROADCAST - SIGNAL FLOWS
TB710	BROADCAST - SIGNAL FLOWS
TB712	BROADCAST - SIGNAL FLOWS
TN103	TECHNOLOGY - 03 - SUITE LEVEL PLAN - OVERALL

AD1-4 ATTACHMENTS:

A.	Surge Pad Topo	Issued also as a separate AutoCAD DWG file.

END OF ADDENDUM

Issued by:

Keith Parker
Sr. Architect / Project Manager
Goodwyn Mills Cawood



SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama

To: Henderson Engineers

Re: Trane AHU Bid Request

Substitution Request Number:

From: Chris Broders - Trane

Date: 1/10/2025

A/E Project Number: AMOB230117

Contract For: New Construction

Specification Title: CENTRAL STATION AIR HANDLING U

Description:

Section: 23 73 13 Page:

Article/Paragraph:

Proposed Substitution: Trane
Manufacturer: Trane Address: 124 E I65 Service Rd, Mobile, A Phone: 251-665-2999
Product Name: Trane Air Handling Units Model No.: Varies

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Chris Broders

Signed by: Chris Broders

Firm: Trane

Address: Mobile, AL 36607
Mobile, AL 36607

Telephone: 251-665-2999

A/E's REVIEW AND ACTION

- [X] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [ ] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: 

Date: 1/27/25

Supporting Data Attached: [ ] Drawings [ ] Product Data [ ] Samples [ ] Tests [ ] Reports

SUBSTITUTION REQUEST FORM

To Project Engineer: Henderson Engineers Request # (GC Determined): _____

Project Name: Mobile Arena - Mobile, AL

Project No/Phase: AMOB230117 Date: 01/09/2025

Specification Title: Direct Digital Control for DDC

Section Number: 23-09-23 Page: 06 Article/Paragraph: Part 2/2.1

Proposed Substitution: Honeywell Niagra System

Manufacturer: Honeywell Model No.: Niagra N4

Address: 4916 Oak Circle Dr. N., Mobile, AL 36609 Phone: 251-661-4416

History: ☐ New product ☐ 1-4 years old ☒ 5-10 years old ☐ More than 10 years old

Differences between proposed substitution and specified Work: None

☐ Point-by-point comparative data attached – REQUIRED BY ENGINEER
Comparative data may include but not be limited to performance, certifications, weight, size, durability, visual effect, sustainable design characteristics, warranties, and specific features and requirements. Include all information necessary for an evaluation.

Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports ☒ Other: We comply with all of 23-09-23

Reason for not providing specified item: We aren't listed and most large control jobs in the Mobile area are Honeywell DDC controls. We meet the Spec section completely.

Similar Installation:
Project: Blount High School Architect: Allred Stolarski Architects
Address: 5450 Lott Road Owner: Mobile County Public Schools
Prichard, AL 36613 Date Installed: February 2023

Proposed substitution affects other parts of Work: ☒ No ☐ Yes; explain: _____

See attached.

Substitution Certification Statement:

Unless stated otherwise in writing to the Engineer by the Contractor, Contractor warrants to the Engineer, Architect, and Owner that the:

A. Proposed substitution has been fully investigated and determined to meet or exceed the specified Work in all respects.
B. Proposed substitution is consistent with the Contract Documents and will produce indicated results.
C. Proposed substitution does not affect dimensions and functional clearances.
D. Proposed substitution has received necessary approvals of authorities having jurisdiction.
E. Same warranty will be furnished for proposed substitution as for specified Work.
F. Same maintenance service and source of replacement parts, as applicable, is available.
G. Proposed substitution will not adversely affect other trades or delay construction schedule.
H. Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.

C.L. "Skipper" Walters, Jr. VP/CFO	1/9/25	Walters Controls, Inc.
Submitting Contractor	Date	Company

Manufacturer's Certification of Equal Quality:

I Walters Controls, Inc. represent the manufacturer of the Proposed Substitution item and hereby certify and warrant to Architect, Engineer, and Owner that the function and quality of the Proposed Substitution meets or exceeds the Specified Item.

C L Walters	1/9/25	Walters Controls, Inc.
Manufacturer's Representative	Date	Company

Engineer Review and Recommendation Section

Recommend Acceptance ☐ Yes ☒ No

Additional Comments: ☐ Attached ☐ None

[redacted] 1/27/25

Acceptance Section:

Contractor Acceptance Signature	Date	Company
Owner Acceptance Signature	Date	Company
Architect Acceptance Signature	Date	Company
Engineer Acceptance Signature	Date	Company

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama

To: Henderson Engineers

Re: Trane Controls Bid Request

Substitution Request Number:

From: Chris Broders - Trane

Date: 1/10/2025

A/E Project Number: AMOB230117

Contract For: New Construction

Specification Title: DIRECT-DIGITAL CONTROL FOR HVA

Description:

Section: 23 09 23 Page:

Article/Paragraph:

Proposed Substitution: Trane
Manufacturer: Trane Address: 124 E I65 Service Rd, Mobile, A Phone: 251-665-2999
Product Name: Trane Controls Model No.: Varies

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Chris Broders

Signed by: Chris Broders

Firm: Trane

Address: Mobile, AL 36607
Mobile, AL 36607

Telephone: 251-665-2999

A/E's REVIEW AND ACTION

- [X] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [ ] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: [signature]

Date: 1/27/25

Supporting Data Attached: [ ] Drawings [ ] Product Data [ ] Samples [ ] Tests [ ] Reports

SUBSTITUTION REQUEST
(During Bidding Phase)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, AL

To: Goodwyn Mills Cawood
Populous

Re: Comparable Product Approval

Substitution Request Number:

From: Camille Knezevich

Date: 1/24/25

A/E Project Number: AMOB23017

Contract For: Frasch! Acoustics

Specification Title: Ceiling Types

Section: 098436 Page:

Description: CL6: Arktura Atmosphera Flow, CL13: Arktura Atmosphera Swell

Article/Paragraph: CL14: Arktura Atmosphera Adaptive Wood

Proposed Substitution: Frasch CL6, CL13L: Skinny BAFL with standard finish, CL14: Skinny BAFL with wood finish

Manufacturer: Frasch Address: Grand Prairie, TX Phone: 682.300.3005

Trade Name: Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

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- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Camille Knezevich

Signed by:

Firm: Frasch! Acoustics

Address: 1425 Avenue R
Grand Prairie, TX 75050

Telephone: 682.200.3005

A/E's REVIEW AND ACTION

☐ Substitution approved - Make submittals in accordance with Specification Section 01 60 00 Product Requirements.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 60 00 Product Requirements.
☒ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: [illegible] Date: 1.24.25

Supporting Data Attached: ☒ Drawings ☒ Product Data ☐ Samples ☒ Tests ☒ Reports ☐ _____

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Form Version: September 2013
CSI Form 1.5C

SUBSTITUTION REQUEST
(During Bidding Phase)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, AL

Substitution Request Number: _____

From: Camille Knezevich

To: Goodwyn Mills Cawood
Populous

Date: 1/24/25

A/E Project Number: AMOB23017

Re: Comparable Product Approval

Contract For: Frasch! Acoustics

Specification Title: Ceiling Types

Description: CL15, 16, 18: Turf Slab

Section: 098436 Page: _____

Article/Paragraph: _____

Proposed Substitution: Frasch Blade BAFL

Manufacturer: Frasch Address: Grand Prairie, TX Phone: 682.300.3005

Trade Name: _____ Model No.: _____

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

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- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Camille Knezevich

Signed by: [signature]

Firm: Frasch! Acoustics

Address: 1425 Avenue R
Grand Prairie, TX 75050

Telephone: 682.200.3005

A/E's REVIEW AND ACTION

☐ Substitution approved - Make submittals in accordance with Specification Section 01 60 00 Product Requirements.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 60 00 Product Requirements.
☒ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: [signature] Date: 1.24.25

Supporting Data Attached: ☒ Drawings ☒ Product Data ☐ Samples ☒ Tests ☒ Reports ☐ _____

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Form Version: September 2013
CSI Form 1.5C

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama

To: B. L. Harbert International, LLC
205-443-2968

Re: Request to Quote Foodservice

Substitution Request Number: 1

From: KESCO

Date: 1/27/2025

A/E Project Number: AMOB230117

Contract For: New Construction

Specification Title: 11 400 Foodservice

Description: Foodservice Equipment

Section: 11400 Page: ALL

Article/Paragraph: ALL

Proposed Substitution: KESCO
Manufacturer: _____ Address: 1600 W. Main. Pensacola FL Phone: 850-456-1633
Product Name: _____ Model No.: _____

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

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- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Judy Volner

Signed by: Judy Volner

Firm: KESCO

Address: Pensacola. FL 32502
Pensacola. FL 32502

Telephone: 850-456-1633

A/E's REVIEW AND ACTION

☐ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☒ Substitution rejected - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: [illegible], GMC Date: 1.28.25

Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports _____

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama

To:

Re:

Substitution Request Number:

From:

Date: 1/27/2025

A/E Project Number: AMOB230117

Contract For: New Construction

Specification Title: Direct Digital Control for HVAC

Description: DDC Product Manufacturers

Section: 23 09 23 Page: 6 of 29

Article/Paragraph: 2.1: Part 2 Products - Para 2.1A

Proposed Substitution: Distech Controls with Tridium N4 Webserver
Manufacturer: Distech / Acuity B Address: 50 W Maxwell St. Pensacola, Phone: 850-512-2321
Product Name: Distech BACNet IP Controller Line and Tridium N4 Supervisor Model No.: Distech BACNet IP Controllers

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
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- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by:

Signed by:

Firm:

Address:

Telephone:

A/E's REVIEW AND ACTION

- [x] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [ ] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: KEVIN PARKER, GMC Date: 1.28.25

Supporting Data Attached: [ ] Drawings [ ] Product Data [ ] Samples [ ] Tests [ ] Reports

****All bidding controls contractors must meet or exceed Section 23 0923.1.6.**

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama
To: Henderson Engineers
Kansas City, MO
Re: Self Contained Humidifiers

Substitution Request Number:
From: Integrated Cooling Solutions
Date: 1/21/2025
A/E Project Number: AMOB230117
Contract For: New Construction

Specification Title: Self Contained Humidifiers
Description: Humidifiers
Section: 23 84 14 Page:
Article/Paragraph:

Proposed Substitution: Carel Electric Humidifier
Manufacturer: Carel Industries Address: Phone:
Product Name: Steam Humidifier Model No.: UR006

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Erik Norrell
Signed by: Erik Norrell
Firm: Integrated Cooling Solutions
Address: Fairhope, AL 36532
Fairhope, AL 36532
Telephone: 251-278-8752

A/E's REVIEW AND ACTION

- [x] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [ ] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: Date: 1/27/25

Supporting Data Attached: [x] Drawings [x] Product Data [ ] Samples [ ] Tests [ ] Reports

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama

To: Hoar Construction
Attn: Erin Patterson

Re: Dock Equipment Sub

Substitution Request Number: _____

From: Port City Industrial

Date: 01/27/2025

A/E Project Number: AMOB230117

Contract For: New Construction

Specification Title: Dock bumpers, seals, levelers

Description: Dock bumpers, seals, levelers

Section: 11 13 13
11 13 16

Page: _____

Article/Paragraph: _____

Proposed Substitution: Nordock brand all

Manufacturer: Nordock

Address: Bowmanville, ON

Phone: 289-768-5297

Product Name: brochures attached

Model No.: _____

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

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- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Amy Maxwell

Signed by: Amy Maxwell

Firm: Port City Industrial

Address: 2616 Old Shell Rd
Mobile, AL 36601

Telephone: 251-277-3444

A/E's REVIEW AND ACTION

- [X] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: [signature]

Date: 1/27/25

Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports _____

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama

To:

Re: Or Equal Request

Substitution Request Number:

From: Sunrise Network Solutions (SNS)

Date: 1/13/2025

A/E Project Number: AMOB230117

Contract For: New Construction

Specification Title: Emergency Responder Radio Coverage

Description: Emergency Responder Radio Coverage

Section: 273523 Page: 5

Article/Paragraph: 2.1.C.1

Proposed Substitution: Fiplex by Honeywell - https://www.fiplex.com/flex-in-building-solution-2023/
Manufacturer: Fiplex Address: 2101 NW 79th Avenue, Miami Phone: 305-884-8991
Product Name: Flex Series BDA Model No.: TBD by Design

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

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The Undersigned certifies:

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Submitted by: Sunrise Network Solutions (SNS)

Signed by: Josh Bowie

Firm: Sunrise Network Solutions (SNS)

Address: Ocean Springs, MS 35964
Ocean Springs, MS 35964

Telephone: 228-875-7336

A/E's REVIEW AND ACTION

- [x] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [ ] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: [signature], EMC

Date: 1/27/25

Supporting Data Attached: [ ] Drawings [x] Product Data [ ] Samples [ ] Tests [ ] Reports

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama

To:

Re: Or Equal Request

Substitution Request Number:

From: Sunrise Network Solutions (SNS)

Date: 1/13/2025

A/E Project Number: AMOB230117

Contract For: New Construction

Specification Title: Access Control Software and Databas

Description: Access Control Software

Section: 281300 Page: 4

Article/Paragraph: 2.1

Proposed Substitution: I-Pro Monitorcast by Panasonic
Manufacturer: Panasonic Address: 8550 Fallbrook Road, Suite 2 Phone: 800-513-5417
Product Name: I-Pro by Panasonic Model No.: TBD by Design

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

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Submitted by: Sunrise Network Solutions (SNS)

Signed by: Josh Bowie

Firm: Sunrise Network Solutions (SNS)

Address: Ocean Springs, MS 35964
Ocean Springs, MS 35964

Telephone: 228-875-7336

A/E's REVIEW AND ACTION

- [x] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [ ] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: Kelly Parker, GMC

Date: 1/27/25

Supporting Data Attached: [ ] Drawings [x] Product Data [ ] Samples [ ] Tests [ ] Reports

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama
To: Goodwyn Mills Cawood, LLC
Re:

Substitution Request Number:
From: Remmert & Company
Date: 1/23/2025
A/E Project Number: AMOB230117
Contract For: New Construction

Specification Title: Architectural Woodwork
Description: Cabinet Manufacturer
Section: 06 40 00 Page: 3 of 12
Article/Paragraph: Part 2-Products - 2.1.C

Proposed Substitution: Remmert & Company Architectural Woodwork
Manufacturer: Remmert & Com[illegible] Address: 3710 Resource Dr. Tuscaloos[illegible] Phone: 205 345 4800
Product Name: Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

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- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Jackson Cate
Signed by: Jackson Cate
Firm: Remmert & Company
Address: Tuscaloosa, AL, 35401
Tuscaloosa, AL, 35401
Telephone: 770 722 0712

A/E's REVIEW AND ACTION

- [x] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [ ] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: [signature] Date: 1.23.25

Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama

To: BL Harbert International

Re: Millwork / Casework Manufacturer Substitution

Substitution Request Number:

From: Tate Ornamental Inc. (Scott Dunlap)

Date: 1/23/2025

A/E Project Number: AMOB230117

Contract For: New Construction

Specification Title: 064000 Architectural Woodwork-6500

Description: Milllwork / Casework/ Paneling / Solid Surface

Section: 06400-06500 Page: 497-519

Article/Paragraph:

Proposed Substitution: Tate Ornamental Inc.
Manufacturer: Tate Ornamental Address: 418 Industrial Drive Phone: 6156720348
Product Name: Custome Millwork/Casework/ Countertops Model No.:

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

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The Undersigned certifies:

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- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Scott Dunlap

Signed by: Scott Dunlap

Firm: Tate Ornamental Inc.

Address: White House, TN 37188
White House, TN 37188

Telephone: 615-672-0348

A/E's REVIEW AND ACTION

- [x] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [ ] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: [signature]

Date: 1.23.25

Supporting Data Attached: ☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☐ Reports

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama

Substitution Request Number: _____

From: WKi (Wilson Kitchens inc.)

To: _____

Date: 1/23/2025

A/E Project Number: AMOB230117

Re: Casework MFG. Approval

Contract For: New Construction

Specification Title: Architectural Woodwork

Description: Pre-Approved

Section: 064000 Page: 3 of 12

Article/Paragraph: _____

Proposed Substitution: Approve WKi As Acceptable MFG.
Manufacturer: WKI Address: 1653 S. Frazel. Harrisburg IL Phone: 618-253-7449
Product Name: Casework Model No.: —

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

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Submitted by: ?

Signed by: _____

Firm: _____

Address: _____

_____

Telephone: _____

A/E's REVIEW AND ACTION

- [X] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [ ] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: Kevin Frazer Date: 1.23.25

Supporting Data Attached: [ ] Drawings [ ] Product Data [ ] Samples [ ] Tests [ ] Reports _____

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama

Substitution Request Number:

From:

To:

Date:

A/E Project Number: AMOB230117

Re:

Contract For: New Construction

Specification Title: Architectural Woodwork

Description: Custom Cabinets and Archtiectural Millwork

Section: 06 04 00 Page: 3 of 12

Article/Paragraph: 2.1.C

Proposed Substitution: Southern Woodsmith, Inc.
Manufacturer: Southern Woodsmith Address: 40 Monroe Dr. Phone: 205-663-5299
Product Name: Custom Cabinets and Architectural Millwork Model No.: N/A

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

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- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: ?

Signed by:

Firm:

Address:

Telephone:

A/E's REVIEW AND ACTION

- [x] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [ ] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: Kevin Pam Date: 1.23.25

Supporting Data Attached: [ ] Drawings [ ] Product Data [ ] Samples [ ] Tests [ ] Reports

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama
To: B.L. Harbert International, LLC
Re: Jeff Shanlever

Substitution Request Number:
From: Stafford Smith, Inc
Date: 1/27/2025
A/E Project Number: AMOB230117
Contract For: New Construction

Specification Title: Contractor Approval
Description: Request for pre-approval
Section: 114000 Page: Vol 2 - Pg 432
Article/Paragraph: 3.4 - Pre-Approved FSE Contactor

Proposed Substitution: Stafford Smith, Inc
Manufacturer: N/A Address: 3414 S Burdick Street Phone: (269)343-1240
Product Name: N/A Model No.: N/A

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

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- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Alexandra Sunnerville - Project Estimator
Signed by: Alexandra Sunnerville
Firm: Stafford Smith, Inc
Address: 3414 S Burdick St. Kalamazoo, MI 49001
3414 S Burdick St. Kalamazoo, MI 49001
Telephone: (269)343-1240 ext 2006

A/E's REVIEW AND ACTION

- [ ] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [x] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: [illegible], GMC
Date: 1.28.25

Supporting Data Attached: [ ] Drawings [ ] Product Data [ ] Samples [ ] Tests [ ] Reports

SUBSTITUTION REQUEST
(During the Bidding/Negotiating Stage)

Project: Mobile Arena (Project #CC-034A-22)
Mobile, Alabama

To: Comfort Systems USA S/E

Re: Spiral Ductwork Prior Approval

Substitution Request Number:

From: Tom Barrow Company

Date: 1/27/2025

A/E Project Number: AMOB230117

Contract For: New Construction

Specification Title: Metal Ducts

Description: Spiral Ductwork

Section: 233113 Page: 13 of 19

Article/Paragraph: 2.4.D

Proposed Substitution: Spiral Ductwork
Manufacturer: Hamlin Sheet Me[illegible] Address: 200 E Hamlin Blvd, Benson, [illegible] Phone: 919-894-2224
Product Name: Spiral Ductwork Model No.: Spiral Ductwork

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

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- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: Tom Barrow Company

Signed by:

Firm:

Address:

Telephone:

A/E's REVIEW AND ACTION

- [X] Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- [ ] Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution
- [ ] Procedures. Substitution rejected - Use specified materials.
- [ ] Substitution Request received too late - Use specified materials.

Signed by: [signature] Date: 1/27/25

Supporting Data Attached: [ ] Drawings [✓] Product Data [ ] Samples [ ] Tests [ ] Reports

REQUEST FOR INFORMATION

PROJECT: MOBILE ARENA **DESIGN PHASE:** BID DOCUMENTS

CONTRACTOR QUESTION / REQUEST					ARCHITECT CLARIFICATION / RESPONSE	
RFI	QUESTION / REQUEST	Dwg. Ref.	Spec. Ref.	Date	CLARIFICATION / RESPONSE	ADDENDUM
133	The bid form, Attachment A" indicates there are 17 alternates. With the extensive amount of alternates will the Owner entertain a reasonable delay between turning in the base bid and the unit prices and alternates.			12/20/2024	See revised Invitation to Bid. Base Bids will be due at 2:00 PM on 2/14/25. Alternate Bids will be due at 3:00 PM on 2/14/25. Neither Base bid nor Alternate Bid envelopes will be opened until 3:00 PM on 2/14/25. Revised Instructions to be included with ADD3	3
134	Spec Section 00 2500 - Attachment A unit price #5 is titled General or Open Site Areas. Please provide a definition on what this unit price is to include.			12/20/2024	These areas include the undeveloped pad sites bounded by Civic Center Drive, Lawrence Street, Claiborne Street, and Canal Street.	3
135	Spec Section 00 7300 Supplementary Project Conditions 1.2 Summary, Item B requires use of E-Builder for document control, RFI's, submittals, etc. Specification Section 01 1000 - Summary requires the use of Newforma for the same document control. Please confirm which electronic document system will be used.			12/20/2024	E-Builder shall be used for the project	3
136	Spec Section 00 7300 Supplementary Project Conditions 1.2 Summary, Item Da, Db and Dc appear to be dates that may have applied to the demolition contract. Please provide dates that work will not be allowed for the construction of the new Civic Center.			12/20/2024	See Updated Supplementary Project Conditions included with ADD3	3
137	Spec Section 00 7300 Supplementary Project Conditions, Part 3 items G & H appear to be requirements for the demo contract. Please confirm this is not required for the new Civic Center.			12/20/2024	This has been revised to reflected hte new scope of work for this project	3
138	Ref Sheet S0-02, Part VI Steel Decks, B. Form Deck. The schedule for the form deck indicates <Fill In>. Does this section apply to this project? If so, please provide schedule data.	Sheet S0-02		12/23/2024	Form Deck is not included with this project.	3
139	Sheet L1-01 is showing three alternates. Add alternate S. Hamilton St. Extension, Add Alternate Eslava St. Extension, and FE-101: Add Alternate Perforated Metal Screen Fencing. These are not shown in the 17 alternates in the specs. Please confirm these are to be priced as add alternates.	Sheet L1-01		1/7/2025	Eslava St. Extension is Alternate 5; Hamilton St. Extention is Alternate 6; the perforated metal screen fence has been removed as an alternate.	3
140	Ref. 3/A0-4 – The System EX-3A wall type appears to show horizontally laid out panel modules that the shown panel is 1’-4” high. However, all the plan elevations show vertically oriented lines and no horizontal panels for the areas labeled EX-3A. Please advise how you would like this priced. Will new elevations be issued showing achievable panel sizes?	Sheets A3/A0-4 & A5-1-1		1/7/2025	Detail EX-3A has been updated on A0-4	3
141	It is unclear on the plans where Applied Fire Protection 078100 is to be applied. There are very few details that show it which doesn't seem complete. Please clarify.		078100	1/7/2025	Refer to General Notes for Fire Protection Clarification	3
142	It is unclear on the plans where Intumescent Fire Protection 078123 is to be applied. There are very few details that show it which doesn't seem complete. Please clarify.		078123	1/7/2025	Intumescent is abbreviated as "ITM" and can be found in the A2s, A3s, A5s, and A6s	3
143	The specified basis of design and acceptable alternate Fiber Cement manufacturers have a maximum sheet length of 10’-0”. However, vertical joint spacing on the elevations is 12’-0” on center. Please advise how you would like this priced. Will new elevations be issued showing achievable panel sizes			1/7/2025	Refer to sheet A5-3-4/2 for Fiber-Cement Siding joint spacing.	3

REQUEST FOR INFORMATION

PROJECT: MOBILE ARENA **DESIGN PHASE:** BID DOCUMENTS

CONTRACTOR QUESTION / REQUEST					ARCHITECT CLARIFICATION / RESPONSE	
144	We noticed that the center hung LED System is listed as an alternate. Is there a base option of end wall displays, if so, please provide location within the specs and drawings where these displays are described. Also, there is a reference to a schedule of the displays, where is this located in the specs and or drawings? Thank You.			1/13/2025	Populous comment: Center hung should be base.	3
145	90% of the Building Sections, Wall Sections, and Details do not show Spray Applied Fireproofing and/or Intumescent Fireproofing. Please provide Building Sections, Wall Sections, and Details with the Fireproofing required and clarify where the Spray Applied Fireproofing and/or Intumescent Fireproofing---as we can not determine that with these contract documents.		Section 078100 Applied Fire Protection, Section 078123 Intumescent Fire Protection, and Building Sections, Wall Sections, and Details	1/3/2025	Refer to General Notes for Fire Protection Clarification	3
146	Please clarify what utilities are existing and what utilities are new? The plans don't really call out the difference.			1/8/2025	Civil plans show existing conditions and demolition to clarify site utilities that are existing and which are to be removed. subsequent civil sheets indicate new utilities being added...see utility plan sheets in civil sheets for proposed utilites. Differences between ex and pr utilities will be clarified on sheets provided in Addendum No 2	3
147	Drawing sheet M2-01D appears to show the HVAC supply and return from overhead. However, the 096900 spec Part 2.6C & Part 2.8D lists Grates or Grilles for air distribution. Is there underfloor supply air? If so, how many grates are required?	M2-01D			There is no underfloor supply air as part of the mechanical design.	3
148	Reference Specification section 13 17 00 Hydrotherapy Equipment. The specification calls for a Hydroworx Rejuvenate unit. The mechanical equipment for this unit can be placed in a formed pit in the slab, built into the product itself, or in the adjacent hydrotherapy closet. The mechanical drawings appear to show the equipment in the center of the room, but the structural drawings (S2-1B) do not indicate a pit in the area. Please clarify the intended location of the mechanical equipment.	S2-1B	13 17 00	1/13/2025	Mechanical equipment HYU-1 is installed above ceiling, not below grade.	3
149	From the prebid we understand that the existing murals are being moved from the existing arena to the exhibition hall. Once the murals are repaired and framed, they can be moved into new arena. Please provide the following: 1.) What date will the murals be repaired, framed and ready to install in the new arena. 2.) How long will it take the demo contractor to complete demo of the balance of the exhibition hall?			1/13/2025	Information Unknown at the Point - GMC will be coordinating with Mural Installation and Timeline	3
150	Refer to A8-2-1 / D9 – High Roof Edge Detail ; It appears that the Sarnaclad edge metal is to be nailed into the ½" gypsum coverboard. Is this correct? Secondly, the detail shows 5/8" exterior plywood over the metal decking on the dome. Is the plywood to cover the entire dome structure?	A8-2-1/D9		1/14/2025	The error has been corrected and will reflect on Addendum 3. The roof shall be 5/8" glass mat sheathing throughout entire project.	3
151	Reference Section 102239 – 2.8-A - Pass doors are indicated in specs but are not shown on drawings. Please provide location.		10 22 39	1/14/2025	Doors only required where indicated	3
152	Reference Section 102239 – 2.3-E - If a 1 HR Fire rating is required, please indicate which walls are to be fire rated.		10 22 39	1/14/2025	No Fire Rating Required	3

REQUEST FOR INFORMATION

PROJECT: MOBILE ARENA **DESIGN PHASE:** BID DOCUMENTS

CONTRACTOR QUESTION / REQUEST					ARCHITECT CLARIFICATION / RESPONSE	
153	Reference Section 102239 – 2.3 E and 2.3G - Fire rating is not available with a plastic laminate finish or a porcelain marker board finish with Moderco. Fire rated panels are not available with an NRC rating. Please confirm requirement.		10 22 39	1/14/2025	No Fire Rating Required	3
154	Reference Sheet E0-1 - This sheet has a note describing Commissioning and Functional Testing. Please provide a spec for this.	Sheet E0-1		1/14/2025	Refer to Division 26 Specification 260910 Centralized Dimming System and Energy Code for commissioning requirements.	3
155	On sheet L1.01 there are two paving alternates that are not listed on the Alternates spec. Do these apply?	L1.01		1/14/2025	There are no paving alternates. There are two concrete paving types - pedestrian concrete (P-101) and heavy duty concrete (P-102). Each paving type has areas including integral color, as indicated with a 'C' (P-101C & P-102C) and shown in red.	3
156	On sheet L1.03 the notes call for an add to make the fence perforated panels but this is not included on the Alternates spec. Does this Alternate apply?	L1.03		1/14/2025	Perforated metal screen fence has been removed as an alternate.	3
157	In reference to the low voltage responsibility matrix as shown on TA002, please clarify who the "Vender" is referring to. Is that the AV Subcontractor that is working for the Prime Contractor? Is this the service provider doing this work? Or is this an AV contractor working directly for the Owner?	TA002		1/14/2025	Vender refers to disciple specific Contractor, i.e. Audio-Video Contractor.	3
158	Section 11 61 00 – Theater and Stage Equipment outlines specifications for "curtain tracks and carriers for vomitories." Similarly, Section 11 61 53 – Arena Curtains includes specifications for "manually operated black-out arena curtains and rigging for vomitory entrances and concourse closures." Additionally, this section includes aluminum curtain track fabrication, specifying both straight and curved aluminum curtain track systems. Which track specification is correct for the vomitory curtains?		116100	1/16/2025	For the non-premium black out curtains, per the RCPs/Plans, there are not any that follow a radius. The only curved tracks that will be needed would be for the premium draperies at loge club but that is a separate spec section	3
159	We have 3 Fence Specs all which seem to apply to the same items. Where is each spec used?		32-31-16,32-31-19,32-31-19.53	1/16/2025	Sections 32-3119 and 32-3119.53 apply to the performated metal screen fence (add alternate), which has been removed. Disregard these sections. Section 32-3116 applies applies to the architectural fencing. See Detail 3/L2-02.	3
160	We cannot locate the railing types noted on the plans, only in some sections. Please provide plans indicating locations of all rail types detailed on Sheets A8-6-1 and A8-6-2	A8-6-1 & A8-6-2		1/16/2025	Sheets A1-26 & A1-27 should reflect the railing types in the stadia being called out.	3
161	Reference Section 26 33 53 Sttic Uninterruptible Power Supplies - 2.7.A Battery: Description: Lithium-ion - For the 20kW UPSs, lithium battery cabinets will far exceed the required runtime. We are asking if we can provide valve regulated lead acid (VRLA) batteries to meet the runtime requirement of 5 minutes more closely. This will significantly lower the price of these UPS units if VRLA batteries can be utilized. A substitution request can be provided if this option is acceptable.		Section 26 33 53	1/16/2025	VRLA batteries are acceptable. Specification 263353 to be updated in Addendum #4.	3
162	Please refer to Sheet A2-1C (Event Level-Quad C) and Sheet A0-1 (Partition Types). The wall adjacent to the crew toilets (01.23.09) is labeled as a 0M wall type on Sheet A2-1C, which corresponds to an 8" CMU wall according to Sheet A0-1. However, Sheet A2-1C notes the wall as 0M-12", indicating a 12" CMU wall. Could you confirm whether this wall is intended to be 12" CMU or 8" CMU? Additionally, please confirm the height of the wall.	A2-1C & A0-1		1/16/2025	Sheet A-01 has updates and will be released in Addendum #3. Typically the 0M/12 denotes a 12" CMU wall.	3

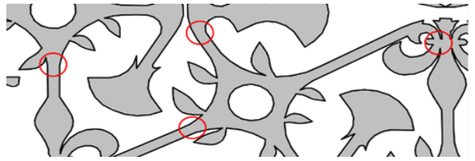
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163	Reference sheet A2-1C (Event Level-Quad C) and sheet A5-2-3 (Enlarged East Elevation-South). Sheet A5-2-3 indicates the exterior wall type of the security office as Exterior 4 (unit masonry), while Sheet A2-1C lists the exterior wall type as BS6, which is not referenced elsewhere in the plans. Could you please confirm whether the wall type is intended to be Exterior 4 or BS6? If it is BS6, please clarify what type of wall BS6 is intended to be?	A2-1C & A5-2-3		1/16/2025	Exterior wall type listed on A5-2-3 calls for EX 4, which is detailed on A0-4. Wall types shown on A2-1C will be updated to match EX 4 designation.	3
164	In regards to the alternates please define what "infrastructure" needs to be included in the base bid for mechanical, plumbing and eletrical. Also define what should be included in regards to the "fit up".		01 23 00 Alternates	1/16/2025	Refer to mechanical, electrical and plumbing plans. Infrasrtucture shown is to be provided in base design.	3
165	LOGE Bar A Plan Sheet TA103.A Location 03.05.04 Show 3x 43" Displays but have no SIGNAL FLOW diagrams to show how they will operate. What is the intended use for these 3 displays?	TA103.A		1/20/2025	See sheet TA701 detail 7, revised in addendum #3.	3
166	LOGE Bar E Plan Sheet TA103.B Location 03.12.03 Show 3x 43" Displays but have no SIGNAL FLOW diagrams to show how they will operate. What is the intended use of these 3 displays?	TA103>B		1/20/2025	See sheet TA701 detail 7, revised in addendum #3.	3
167	CONCOURSE Plan Sheet TA102.C Shows 1x 55" Display in the Concourse area but has no SIGNAL FLOW. What is the indended use for this display?	TA102.C		1/20/2025	Part of Market 02.16.01, see sheet TA701 detail 7.	3
168	Plan Sheet TA301 Note TA9 refers to Plan Sheet TA505 for clarification. Please provide TA505	TA301		1/20/2025	TA505 will be include in Addendum 3	3
169	This question has many instances where it is problematic but only one instance is brought to attention) Plan Sheet TA713 refers to Loudspeaker S09, but S09 is not in the Speaker Schedule. What type of Speaker is S09?	TA713		1/20/2025	Signal flow will be update to reflect those to be S07. Update to be inculded in Addendum 3.	3
170	IPIO-2 is a Networked Relay Controller referenced on Plan Sheet TA704 but is a discontinued item. What is an acceptable substitute?	TA704		1/20/2025	Replace with Global Cashe IP2CC. Update to Appendix A to be inculded in Addendum 3.	3
171	Plan Sheet TA701 Keynote 9 for Systems 6 and 2 show both speaker types S12 and S13 in use at the same display. Is it one or the other or will it in fact be both types at the referenced display?	TA701		1/20/2025	Provide a single S12 for the display. Update to be included in addendum 3.	3
172	Plan Sheet TA103.C shows 5x 32" Displays in Rooms 03.20.01, 03.21.01 and 03.21.02 but there are no SIGNAL FLOW diagrams for these.	TA103.C		1/20/2025	See sheet TA701 detail 4, revised in addendum #3.	3
173	TA719 System 1 refers to Appendix A. Please provide Appendix A.	TA103.C		1/20/2025	Appendix A accompanies the Division 27 specifications. It has now been distributed to the bidders.	3
174	Ref. 2/A0-4 – Is a horizontal flashing/reveal at EVERY horizontal joint on the Exterior System – 3B walls?	A00-4		1/20/2025	Yes	3
175	Ref. 2/A0-4 – Has it been confirmed that the vertical panel supports can span 36” vertically with Mobile’s proximity to coastal wind loads?	A0-4		1/20/2025	Max fastener spacing expected to be in the range of 12"-18" O.C.	3
176	F0.1 The fire alarm legend gives you the scenarios for the audible notification voice or horn strobes. The drawings show just basic horn strobe notification not voice evacuation, wanted to confirm is this basic fire alarm system or voice evacuation.	1-F0.1		1/20/2025	Voice evacuation is required per the specs and plans.	3
177	Section F2-04 through F2-04D (F65 states provide smoke detection or aspirating system through out the smoke control system zones, will this basically require smoke detectors or a VESDA System if Vesda did not see any drawings requiring the layout or number of vesda dtectors.			1/20/2025	The vesda layout should follow manufacturer requirements and NFPA 72, but would be expected to have sampling points matching spot detector spacing, typically 30' by 30'.	3
178	Detail G2/A5-2-4 shows a cut section called out as 4A8-4-4. That referenced detail does not apply to the location that is shown. Please update this cut section to show the correct detail.	A5-2-4		1/20/2025	This detail and any other details on sheets A5-2-1 to A5-2-4 have been removed and will be reflected in Addendum #3	3

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179	Desiccant units- If VTS is approved their units will have indirect fired regeneration heaters in lieu of direct fired. Is this acceptable?			1/15/2025 Previously Asked	Generally indirect fire in lieu of direct fire is acceptale if performance meets schedule and control requirements.	3
180	Does this screen have to meet any deflection requirements and if so, what are they?	A8-2-6		1/15/2025 Previously Asked	L/120	3
181	 It is our opinion that this screen will fail over time. The repeated loading stress will move the very small connection pieces (circled below) over time and they will ultimately break. Has this considered?	A8-2-6		1/15/2025 Previously Asked	Please see note on sheet 3/A8-2-6, "Populous will work with the selected bidder on the use and refinement of the script which will ultimately control the final cut or punch pattern."	3
182	The design appears to have some type of hook & pin attachment to the vertical structural steel tubes. Is the structural steel subcontractor picking up the pins affixed to the vertical steel tubes since they have to be welded?	A8-2-6		1/15/2025 Previously Asked	Sheet A5-3-1 has been updated to show welded plate connection (no pin) For additional info also refer to structural 4/S4-4-05	3
183	Can a detailed elevation or layout be provided for the Exterior Screen structural steel? To my knowledge, this is not defined in the structural drawings.	S0-21		1/15/2025 Previously Asked	Sheet A1-10 Exterior Screen Plan has been added to show location of Exterior Screen Modules	3
184	The irrigation plans call for irrigation of the planting materials and some sodded areas. Not for all the tree and sodded areas. Are we to provide a price for irrigation per plan & Watering budget for non irrigated Sodded areas until establishment?			1/16/2025	Price per plan. All landscape areas within the project site are to be irrigated - excluding seeded areas (CYN DAC). Provide watering budget for non-irrigated areas.	3
185	Studs are called on the partition legend to be 24" OC, We typically see stud spacing at 16" OC Please confirm.	A0-1		1/17/2025	16" OC is correct - Partition Schedule is updated to reflect this	3
186	There is a 1G2 wall called out at the Bunker Club 01.17.01, but this wall isn't detailed on the partion types, Please Advise Wall Type Components	A2-1B		1/20/2025	Sheet A0-1 has been updated to show all tagged interior walls. Please see addendum #3.	3
187	There are 2HR/S6KB.2 called out near 2G/6" walls, are these the same wall type construction? If not, can a wall type be proviced? One instance is in Stair Core 01.ST-2	A2-1B`		1/20/2025	2G/6" should be consistent around 01.ST-2. S6KB.2 wall will be adjusted to match.	3
188	Is a horizontal flashing/reveal at EVERY horizontal joint on the Exterior System – 3B walls?	2/A0-4		1/20/2025	Yes.	3
189	Has it been confirmed that the vertical panel supports can span 36” vertically with Mobile’s proximity to coastal wind loads?	2/A0-4		1/20/2025	Detail is coordinated with manufacturers detailing. Successful manufacturer will determine required supports in shop drawings.	3
190	Can a typical panel layout be provided for this Exterior System type like what was provided for Exterior System – 3B on 2/A5-3-4?	3/A0-4		1/20/2025	I believe what you are looking for is on sheet A8-9-1.	3
191	Note at Bar 02.08.01 says to provide WT1 at all concourse excterior glass. Does this include the three market areas as they receive a film tint?	A2-2A		1/20/2025	No, there will be no Mecho Shades in the other markets	3
192	At Grand Hall 01.31.03 the note says to provide WT2 at all Grand Hall facing glass. Please clarify the height of the blinds				Height will vary depending on location in Grand Hall	3
193	Please clarify what compactors are required as the specs are not clear.			1/20/2025	Compactors to be selected by Owner	3
194	Is the frame around the relocated murals shown in details 27 & 29/A8-1-3 by others or part of this bid?	A8-1-3		1/21/2025	Yes	3
195	On Level One, Quad C, sheet P4-09 what is the piping that winds back and forth in the ice pit?	P4-09		1/21/2025	The piping that wraps back and forthin the ice pit is refrigeration piping routed from the refrigeration room.	3

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196	Landscape Maintenance Spec calls for 1 year maintenance bid. Is this bid required?		32-90-05	1/21/2025	Yes	3
197	We have been notified that the current specified size of Generator for this project has a 110 week lead time. Obviously this will not work with the overall project schedule, We have been told that we can get a better lead time on the generators if 2 smaller ones are bought and installed in parallel series ilo of (1) large Genset. If this is acceptable, please update the specs, 1-line diagrams and equipment pad sizing accordingly to accept 2 generators in stead of 1.			1/21/2025	Upon contractor award, the design team will work with the electrical contractor to understand the procurement timeline of such equipment. Equipment design and specifictions may be able to be redesigned as necessary to adhear to construction schedule.	3
198	Reference Sheet A-01 - Architectural Plan Notes #4, #5, and #6 - These notes state to provide corner guards at various locations on the drawings. Please provide locations of these corner guards on the architectural drawings.	Sheet A-01		1/17/2025	Notes 4,5 &6 state the locations where these corner guards are required	3
199	Reference Sheet A9-2-1 Finish Legend - This sheet lists Markerboards (MB) to be at AUX Lockers and the Home Team Locker Room. Sheet A3-1-3 Detail 6 - Home Team Locker shows no Markerboards. Sheet A3-1-4 Detail 5 - AUX Lockers show a Mobile White Board, RE: FFE. Is this supposed to be referenced as MB-1 and MB-2? Please provide locations on architectural drawings.	Sheet A9-2-1		1/17/2025	Aux Locker Room Whiteboard is MB1 per the Finish Schedule. Home Locker Room Whiteboard will not be included in this Bid Set since it is a Fit Out	3
200	Reference Sheets E8-02 thru E8-07 - The following lighting types are not on the lighting schedule but are shown on the plans. RL1A, WL26E, and PL5E	Sheets E8-02 thru 07		1/17/2025	RL1A fixture is included on the Light Fixture Schedule, refer to sheet E8-05. There is no PL5E fixture on the project, Henderson does not see where it was shown on plan. WL26E will be added to the Light Fixture Schedule in Addendum #4.	3
201	Spec 22 11 14 3.2 A calls for stainless piping 4" and larger. Would 3" and larger be acceptable?		22 11 14 3.2A	1/17/2025	Henderson takes no exception to 3" stainless steel piping being used for domestic water piping. Addtional dielectric fittings are required at pipe transistions per specifications	3
202	Floor drains shown on upper floors are shown as 3". The piping below to these drains is shown in 2". Which is the correct size for these drains and lines?		Ex 1/P5-14	1/17/2025	The piping for all drains must be a minimum of 3" per city code.	3
203	Fan schedule notes state to "Provide restraint system to secure equipment to roof supports and/or roof structure to meet the specified design criteria for design wind speed and building design category and comply with applicable building code requirements. Equipment restraint to be part of deferred submittal to local AHJ". Does this imply that all roof/outdoor catwalk mounted fans need to be provided as high wind rated or is this just referring to the restraint systems?	M7-03		1/17/2025	Refer to specification section 230529 for roof support requirements. All roof mounted fans are to be high wind rated as directed by local building codes.	3
204	For clarification, Note E under the linear slot & plenum diffusers section of the Grille, Register, and Diffusers schedule mentions architectural slot diffusers provided by the general contractor. Please confirm that Div 23 is only to provide the plenums associated for ALL slot diffusers on the project.	M7-02		1/17/2025	All plenum boxes included in the mechanical GRD schedule and shown on mechanical plans shall be provided by the Div 23 contractor.	3
205	Reference Sheets A2-1A, A3-1-3 and A6-1-8 (for example) - All of the Rest Rooms only have 2 or 3 interior elevations. Is the wainscot tile supposed to be on all walls that do not have an elevation? For example, Men's RR 01.03.03 shown on A2-1A refers you to callout 4/A3-1-3. This callout only has elevations for the sink wall and the toilet wall; details 11&12/A6-1-8. Detail 12 shows full height tile at the toilets. Detail 11 shows a T11 wainscot on each side of the sinks. We can't find any other notes that say whether or not to continue this wainscot on all other walls (not elevated) in the RRs. Please clarify.	A2-1A, A3-1-3 and A6-1-8		1/17/2025	Please review "typical" elevations on sheet A6-2-6 and A6-2-7 for finishes on restroom walls otherwise not elevated	3

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	CONTRACTOR QUESTION / REQUEST				ARCHITECT CLARIFICATION / RESPONSE	
206	Reference Sheets A4-1A – There is CL 10 called out in the Grand Hall area. There is an adjacent note that says this is CL15. Please clarify which ceiling is required at this location.	A4-1A		1/17/2025	Ref A9-2-1: CL10 is a tectum that is applied directly to the floor above while CL15 is the baffle system that is hung. Both ceilings are used	3
207	Reference Sheets A4-1A & A9-2-2 – Sheet A4-1A calls out CL1 in Women's RR 01.04.03. Sheet A9-2-2 calls out CL2 at this location. Please clarify.	A4-1A & A9-2-2		1/17/2025	The CL1 in the RCP is correct. The Room Schedule has been updated	3
208	Reference Sheets A4-1A – The exterior soffit behind the screen panels is called out as CL1 ceiling. Please confirm this should be EX-2 Exterior Soffit. Refer to G11/A7-3-2.	A4-1A		1/17/2025	EX2 is the correct material. Change has been made in the drawings	3
209	Reference Sheet A4-1C – The Green Room / Family Lounge 01.19.02 appears to have a cutout in the gyp ceiling with some ceiling clouds. Is this to be open to structure? Or a bump up in the gyp? The clouds also are not called out. Section cuts A6&D1/A7-2-5 also do not have any information on this area. Please clarify.	A4-1C		1/21/2025	Ref A7-2-5/1 and A8-1-4/4. The "clourds" are light fixtures	3
210	Reference Sheets A4-1D & A9-2-2 – Rooms Maintentance/Ops 01.26.06 and Dir of Operations 01.26.07 both depict ceilings on A4-1D but are not tagged. The ceiling finish is blank on A9-2-2. Please clarify ceilings in these rooms.	A4-1D & A9-2-2		1/21/2025	Ref A9-2-2: Ceiling Information is Provided	3
211	Reference Sheets A4-1A & A4-1D – There is CL10 called for to be mounted to underside of slab per Detail 9/A8-4-4. These are not depicted on the RCPs. Is the CL10 to cover the entire area? Or will it be in spaced out panels similar to the North Ballrooms? If spaced out, please provide a plan.	A4-1A & A4-1D		1/21/2025	Tectum to be 6' wide typ. and centered between tructure	3
212	Reference detail 22/A8-1-3. We cannot locate this detail on plans. Please provide required location.	A8-1-3		1/21/2025	Added Detail to Rooms 01.21.01 and 01.29.01	3
213	Reference Structural Drawigns - t appears that structural steel connections are already designed on the drawings, except for standard shear connections. Please confirm that columns have been sized to eliminate the need for web doubler plates.	General Structural		1/21/2025	Brace connections, axial connections and other connections are delegated.	3
214	Reference Sheet TA101.B and TA201.B - There is hatching indicating Alternate #4. Should this now be Alternate #7? Pleaase verify.	TA101.B and TA201.B		1/21/2025	Verified. Home Team Locker room is now Alternate #7. Update to be included in addendum 3.	3
215	Reference Sheet TA101.D and TA201.D - There is hatching indicating Alternate #5. Should this now be Alternate #8? Pleaase verify.	TA101.D and TA201.D		1/21/2025	Verified. Tean Store is now Alternate #8. Update to be included in addendum 3.	3
216	Reference Sheet TA 303 - Details 2, 4, 6, 8 - There is a note indicating "Audio video equipment rack under development…additional equipment to be added in future deliverable". Plea se provide this deliverable.	TA 303		1/21/2025	Rack elevations are included in addendum #3.	3
217	Reference Sheet S2-1 This shows the event level plan, and S8-1-01 and S8-1-02 are the column schedule pages. I have reviewed all the columns in the column schedule and noticed that most of the columns in Areas C and D are missing.	S2-1, S8-1-01 & S8-1-02		1/22/2025	Updated column schedules were issued in Addendum #2.	3
218	Reference Sheet S4-1-01 - Trench Drains. Locations for trench drains are noted on the structural plans and note the typical trench drain detail which is a concrete trench with edge angles and grating. It appears from review of the plumbing plans that the trench drains within are pre-fabricated plumbing fixtures with their own grating (P2-11C for example). Please confirm that all trench drains are pre-fabricated fixtures with integral grating and that the structural detail "Typical Trench Drain Detail" does not apply to this project.	S4-1-01 & P2-11C		1/22/2025	Verify w/ plumbing. Trench Drains located on plumbing sheets will all be prefabricated trench drains. Trench Drains located in laundry rooms will be concrete trench drains matching the structural detail.	3

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219	Sheets S8-1-01 and S8-1-02. It appears that a majority of the columns plan east of column line 32 in Quad C and Quad D are not represented in these column schedules. Please review and provide updated column schedule including all required columns.	S8-1-01 & S8-1-02		1/22/2025	Updated column schedules were issued in Addendum #2.	3
220	The property specifies a Fire Alarm and Detection system, a BAS controls system and Fire Fighter Smoke Control system. Which system is responsible for the field located devices that provide the operation and monitoring of the Mechanical systems for fire fighter control? Should the Smoke Control Panel send commands to the BAS System to operate its devices? or Should the Smoke Control Panel send commands to the Fire Alarm System to operate its devices?		General Fire Alarm	1/22/2025	The fire alarm system shall control the smoke control components per the bid drawings. The fire alarm system enables fans, dampers, and door operators. The fire alarm system also verifies power and status of operated smoke control components.	3
221	Reference Sheet L-200 - Detail 9 calls for fixed bollards to be included as a unit price. Spec Section 00 25 00 Attachment A 1.1 Unit Prices does not have a fixed bollard line item. Please confirm if fixed bollards are to be included as a unit price.	L-200		1/23/2025	Addendum 3 includes ten (10) fixed bollards. Line item has been added to Section 00 25 00.	3
222	Reference Sheet L2-02 - Detail 6 calls out a perforated metal screen fence to be an add alternate. The new alternate spec section 01 23 00 Alternates issued with addendum 1 does not include this fence in the spec. Please confirm this perforated metal screen fence is to be an add alternate.	L2-02		1/23/2025	Perforated metal screen fence is no longer an add alternate. Has been removed from plans.	3
223	Provide Elevation and structural design for Cooling Towers support that are not shown.			1/23/2025	Structural engineer responsible for cooling tower supports. Refer to structural plans and specifications.	3
224	Plumbing Drawing notes "Contractor shall Carry allowance for items Designed by others. What is required and what amount of allowance is required?			1/23/2025	Notes listed "Contractor to carry alloawance" and "Plumbing Scope Notes" can be ignored. Notes no longer applicable to design.	3
225	REF: A4-1C & A9-2-2 – Marshalling Area 01.22.02 is scheduled to have EXP2 exposed ceilings on A9-2-2. The RCP on A4-1C shows gyp outside of the elevator. Please confirm we are to paint exposed structure EXP2 in the main area, but gyp is required outside the elevator per the RCP.	A4-1C & A9-2-2		1/24/2025	Please provide gyp outside the elevator as shown in RCP. Gyp ceiling to be painted P1	3
226	REF: A4-1D & A9-2-2 – Mens RR 01.32.01 is scheduled to have EXP4 exposed ceilings on A9-2-2. The RCP on A4-1C shows CL1 & gyp. Please clarify.	A4-1D & A9-2-2		1/24/2025	Please follow RCP. Finish Schedule will be corrected in next addendum	3
227	REF: A9-2-1 & A9-2-2 – Sideline Club 02.01.01 is scheduled to have EXP6 exposed ceilings on A9-2-2. There is no EXP6 included in the finish schedule on A9-2-1. Please clarify.	A9-2-1 & A9-2-2		1/24/2025	That should be EXP5. This will be corrected in the next addendum	3
228	REF: A4-2A & A9-2-2 – Market 02.07.01 is scheduled to have EXP3 exposed ceilings on A9-2-2. The adjacent Main Concourse - N 02.01.03 is scheduled to have EXP2. Please provide a delineation between the 2 colors.	A4-2A & A9-2-2		1/24/2025	Market 02.07.01 should be EXP2. This will be corrected in the next addendum.	3
229	Detail 11/S4-2-01 notes "SEE ARCH" for the dimension of the escalator pit. The ARCH drawings do not provide. Please provide dimensions for the Escalator Pit.	11/S4-2-01		1/24/2025	Dimensioned on Event level slab plan?	3

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	CONTRACTOR QUESTION / REQUEST				ARCHITECT CLARIFICATION / RESPONSE	
230	Sheet A9-1-1 was reissued in Addendum 2. A Door Finish Column was added. Finishes for Wood Doors are now shown to be "Plastic Laminate" or "Wood Dooge Veneers, Ash, Flat Cut, Custom Stain". Spec 081416 states the "Transparent Stained doors are to be White Oak, Quarter Sawn" and/or "Opaque Finish doors to be Birch or Poplar, Rotary Cut". No mention of Plastic Laminate or Ash in the spec Please advise which document takes precedence and clarify what is desired.	A9-1-1		1/27/2025	Please provide finishes shown in door schedule	3
231	In spec section **13 18 16 Ice Rink Dasher Board System**, it says that the dasher board system is by Owner. Please provide clarification as to exactly what is required of Contractor to support and/or interface with the dasher board system scope.		131816	1/27/2025	Minimally coordination of CIP curb with dasher board anchors and installation of anchors by dasher board supplier.	3
232	Sheet A9-1-1 was reissued in Addendum 02 and a door finish column was added. Finished for Wood Doors are now shown to be "plastic lamninate" or "wood Dooge veneers, ash, flat cut, custom stain." Spec 08 14 16 states, "transparent stained doors are to be White Oak, quarter sawn" and/or "opaque finish doors to be Birch, Poplar, rotary Cut." There is no mention of plastic laminate or ash in the spec. Please advise which document takes precedence and clarify what is desired.	A9-1-1		1/27/2025	Please follow finishes provided in door schedule	3
233	REF: A0-1, A2-1A, A2-1B, & A2-2A – In Ballroom 01.07.03, the storage rooms for the operable partitions calls for 0GL wall types which is for lead lined gypsum per A0-1; see A2-1A. There is also a 0GL wall shown between Mens RR 01.10.03 and Ballroom 01.10.01. Also shown between Med Exam 01.16.07 and Aux Training 01.15.08; see A2-1B. Also shown at the curtain pocket outside of Womens RR 02.04.01; see A2-2A. Please confirm that lead lined gyp is not required on this project.	REF: A0-1, A2-1A, A2-1B, & A2-2A		1/27/2025	Not required. We do not have specialized equipment planned for the project (such as x-ray) requiring lead lined walls.	3
234	Reference Sheet A9-1-1 was reissued in Addendum 2and a Door Finish Column was added. Finishes for Wood Doors are now shown to be "Plastic Laminate" or "Wood Dooge Veneers, Ash, Flat Cut, Custom Stain". Spec Section 081416 states that "Transparent Stained doors are to be White Oak, Quarter Sawn" and/or "Opaque Finish doors to be Birch or Poplar, Rotary Cut". There is no mention of Plastic Laminate or Ash in the spec. Please clarify.	A9-1-01 Add. 2		1/27/2025	Please follow finishes provided in door schedule	3
235	Ref A3-1-5 / A6-1-9 Detail 6 " Women's Event Staff RR 01.14.16" - There is no direction given on detail 6 about what type of material and finish the bathroom partitions should be.	Ref A3-1-5 / A6-1-9		1/27/2025	Please provide stainless steel partitions at women's event staff	3
236	Ref A3-1-4 / A6-1-11 Detail 8 & 9 "Visitors Coaches Grooming 01.19.09" – There is no direction given on details 8 & 9 about what type of material and finish the bathroom partitions should be.	Ref A3-1-4 / A6-1-11		1/27/2025	Please provide stainless steel partitions at Visiting Coaches' Grooming	3
237	Ref A3-2-3 / A6-2-8 Detail 10 & 11 "Men's RR 02.14.01" - There is no direction given on details 10 & 11 about what type of material and finish the bathroom partitions should be.	Ref A3-2-3 / A6-2-8		1/27/2025	Please assume all public bathroom partitions to be the same	3

REQUEST FOR INFORMATION

PROJECT: MOBILE ARENA **DESIGN PHASE:** BID DOCUMENTS

	CONTRACTOR QUESTION / REQUEST				ARCHITECT CLARIFICATION / RESPONSE	
238	REF: A2-2A, A2-2B, A2-2C, A2-2D – Per Plan Note 17, all vertical faces exposed to seating bowl in blackout mode to receive acoustic treatment. What does blackout mode mean? Please clarify locations of this acoustic treatment. See locations in question below. ○ None is shown outside Women's RR 02.04.01 & Mens RR 02.05.01 on A2-2A. Is this required at this location? ○ It appears to be depicted outside of Womens RR 02.06.02 on A2-2A, but it is not noted. Required at this location? ○ It is not depicted outside of Men's RR 02.10.02 on A2-2B. Required at this location? ○ Not shown outside of Women's RR 02.13.02, Men's RR 02.14.01, & Market Kitchen 02.15.02 on A2-2B. Required at this location? ○ Not shown outside of Market Prep 02.17.02, Men's RR 02.18.01, & Womens RR 02.19.01 on A2-2C. Required at this location? ○ Not shown outside of Men's RR 02.29.01 & Women's RR 02.29.02 on A2-2D. Required at this location?	REF: A2-2A, A2-2B, A2-2C, A2-2D		1/27/2025	Acoustic Treatment will only occur on walls exposed to the bowl between gridlines 28 and 6.	3
239	REF: 6/A6-1-5 & 1/A3-1-1 – The Bunker Club entry elevation on 6/A6-1-5 shows a T44 wainscot, but the left side of the elevation is cut off. Does this wainscot run the full length of the wall and stop at the corner of Visiting Tunnel 01.17.10B? Please clarify.	A6-1-5		1/27/2025	Finishes continue into the visiting tunnel per finish schedule. Per note in elevation, wainscot finishes are also to continue on all walls of corridor 01.17.02	3
240	REF: A3-1-3 & 8/A6-2-6 – Women's RR 01.12.06 calls out elevation 8/A6-2-6 at the entry wall. This elevation does not match. Please clarify.			1/27/2025	The elevation referenced is a "typical" elevation. Please provide finishes in a similar manner at the 01.12.06 women's restroom entry wall	3
241	REF: A10-1C – Can all of the Finish Plans be updated to include wall tags for wall finishes? Similar to what is shown in Aux Showers 01.17.05, Aux Grooming 01.17.03, Visiting Shower 01.19.07, and Restroom 01.21.06 on A10-1C. We would like to see wall tile, tile wainscot, tile base, rubber base, wall coverings, etc.			1/27/2025	No. This would be an incredible effort. if there are finishes about specific walls that are not elevated or clear in the finish schedule, please clarify which areas are in question.	3
242	REF: 9/A6-1-5 & 1/A3-1-2 – The Star Campus entry elevation on 9/A6-1-5 is only a partial elevation. It shows a T44 wainscot but the extents are cutoff. Please clarify where the wainscot is terminated.			1/27/2025	It appears this elevation is having a graphic error. We will fix this and issue in the next addendum. In the mean time, please follow the same use of materiality shown in elevation A6-1-5/6. Per elevation note, wainscot is to extend on all walls in corridor 01.17.02	3
243	Spec Section 14 31 00 Escalators Item 2.4.A.13: Balustrade Material: 1/2" Transparent Glass. Standard glass balustrade is 10mm thick, is that acceptable?		Section 14 31 00	1/27/2025	Yes, as long as the 10mm glass meets structural requirements for balustrade.	3
244	Reference A10-1B & A9-2-2 – The Room Finish Schedule on A9-2-2 calls for T44 and WC14 on the walls in Home Team Tunnel 01.15.01. There are no elevations shown for this area. Is this a wainscot or full height tile? If this is a wainscot, please clarify the height of the tile?	A10-1B & A9-2-2		1/27/2025	Please provide finishes at Home team tunnel 01.15.01 in the same manner as they are shown in elevation A6-1-5/6	3
245	01.09.03 Storage Room not shown on Finish Schedule			1/27/2025	Provide SC floor, EXP1 at ceiling, NF for walls and NF for base	3
246	01.27.05 GM – Finish Schedule shows RFI as the finish. Finish Plan Shows SCI as finish. *What finish needs to be installed here?			1/27/2025	Please follow finish schedule in this instance	3
247	01.27.06 Sous Chef – Finish Schedule shows RFI as the finish. Finish Plan Shows SCI as finish. *What finish needs to be installed here?			1/27/2025	Please follow finish schedule in this instance	3

REQUEST FOR INFORMATION

PROJECT: MOBILE ARENA **DESIGN PHASE:** BID DOCUMENTS

	CONTRACTOR QUESTION / REQUEST				ARCHITECT CLARIFICATION / RESPONSE	
248	01.27.07 Exec Chef – Finish Schedule shows RFI as the finish. Finish Plan Shows SCI as finish. *What finish needs to be installed here?			1/27/2025	Please follow finish schedule in this instance	3
249	02.05.01 Men's RR – Finish Schedule shows SC as the finish. Finish Plan Shows CP1 as finish. *What finish needs to be installed here?			1/27/2025	Please provide CP1	3
250	01.31.04 Bar – Finish Schedule is showing the Base material to be RB1 – all elevations are showing a metal base materials. *Please clarify location of RB or material to use as base in this area.			1/27/2025	RB1 is the base material on the inside of the bar. Please reference corresponding millwork details for material locations.	3
251	Some wall tile elevation drawings and Room finish schedule elevations are not coordinating. Please clarify if the wall tile should be installed on all walls listed on the Room finish schedule.			1/27/2025	Please clarify specific areas that are in question.	3
252	Specification section 05 57 00, page 3, paragraph 2.4.A directs to the "Finish Legend" for information on the material and finish for decorative metal panels on vertical surfaces. The "Finish Legend" on drawings A-9-2-1 contains no information regarding the perforated exterior screens. Please advise on what material and finish to use in the bidding process. We recommend the material to be aluminum with a powder coat finish.	A-9-2-1	05 57 00	1/27/2025	Specification update to include Zahner	3
253	Reference Structural Foundation Design - Please provide the actual individual column loads/reactions (compression, tension, and lateral)? This would allow deep foundation contractors to evaluate the most efficient pile and cap design. If the loading info is not available, at the very least we need a lateral design load per pile.	General		12/20/2024	Issued in Addendum 2 per sheet S1-1A.	3
254	Some designs require equipment with long lead times. Examples of long lead equipment are Switchgear, Transformers, Generators, VFD's, Metering, MCC's and the electronic components of many telecom systems. Because there are no remedies in the bid documents at this time, financial or otherwise, to correct potential long lead times, please confirm the Electrical Engineer has considered equipment lead times when designing the most available equipment and specified products and has received confirmation of product timely availability to meet the contract end date.			1/17/2025	Upon contractor award, the design team will work with the electrical contractor to understand the procurement timeline of such equipment. Equipment design and specifictions may be able to be redesigned as necessary to adhear to construction schedule.	3
255	Reference QF1-9 - Item CSC 45.1 - Bridge Trash Module - This item is on the plans but not lited in the specs. Does it need to be provided? Please clarify.	QF1-9	Section 11 40 00	1/21/2025	Update Item No. to 45 with a quantity of (2) and accessories listed in specifications.	3

SECTION 00 10 00 – INVITATION TO BID

INVITATION TO BID

You are invited to submit a sealed bid for construction of the following facility:

PROJECT NAME:	Mobile Arena.
PROJECT LOCATION:	401 Civic Center Drive, Mobile, Alabama 36602
GMC PROJECT NUMBER:	AMOB230117
CITY OF MOBILE PROJECT NUMBER:	CC-034A-22

1. BID DATE:
   A. Sealed bids will be received from Pre-qualified Bidders only.
   B. Sealed Base Bids will be received and clocked in until 1:30 PM local time, February 14, 2024. Sealed Alternate Bids will be received and clocked in until 2:30 PM local time, February 14, 2024. Bids are due in the office of the City Clerk, Government Plaza, 9th Floor South Administrative Tower, 205 Government Street, Mobile, Alabama 36602.
   C. All Bids not clocked in at the City Clerk's Office prior to the time specified, or Bids received after the specified time, will be automatically rejected and returned unopened.
   D. All Bids will be publicly opened and read at 3:00 PM local time, in the Government Plaza Atrium Lobby located at 205 Government St., Mobile, Alabama 36602.
2. SPECIFICATIONS AND DRAWINGS:
   A. Specifications and Drawings are on file and may be examined and obtained from the following location: https://www.cityofmobile.org/bids/
   B. Bidders shall use complete sets of Bid Documents in preparing their bid. Neither the Owner nor Architect/Engineer assumes responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bid Documents.
   C. All Addenda will be posted to the following location: https://www.cityofmobile.org/bids/
   D. This is a tax-exempt project and shall be certified by the requirements of the Alabama Department of Revenue. Bidders shall NOT include sales and use taxes with their bid amounts. Bidders shall complete the Sales Tax Form C-3A and include it as an attachment to their Bid Form.
   E. Bidder questions shall be submitted electronically to sam.matheny@volkert.com and keith.parker@gmcnetwork.com no later than January 27, 2025.

3. BID SURETY: Required on Bids $10,000.00 or more

   A. A Cashier's Check drawn on a bank registered to do business in the State of Alabama and which is a member of the Federal Deposit Insurance Corporation, or a Bid Bond payable to Owner, City of Mobile, in the amount of 5% of the Base Bid, but in no event more than $10,000.00 is required to accompany Bid.

   B. Bid Bond must be issued by a Surety licensed to do business in the State of Alabama. Bidder shall require the attorney in fact who executes the required bonds on behalf of the surety to affix to the bond a certified and current copy of the power of attorney.

   C. No Bid may be modified, withdrawn, or canceled for a period of Ninety (90) days after the time designated above for receipt of bids.

   The City of Mobile will have Ninety (90) days from the bid opening date to award contract.

4. SURETY QUALIFICATIONS:

   A. A Surety authorized to do business in the State of Alabama must issue Bonds.

   B. If the Base Bid is $50,000 or more, the Surety must have a minimum rating of A/Class VI as reported by the latest issue of Best Key Rating Guide Property-Casualty published by Alfred M. Best Company, Inc.

5. IRREGULARITIES AND REJECTION:

   A. The City of Mobile reserves the right to waive irregularities in the Bid and in Bidding, and to reject any or all Bids.

6. BIDDER QUALIFICATIONS:

   A. Bidders shall be pre-qualified in order to submit a bid.

   B. Bids for Work costing $50,000 or more must be licensed pursuant to current Alabama law and of classifications compliant with the State of Alabama Licensing Board for General Contractors. Note that if the contract amount is $10,000 or greater, both a Performance Bond and a Labor and Material Payment Bond shall be required. Before Bidding, Contractor shall verify their license classification of their General Contractors license with the State of Alabama Licensing Board for General Contractors to verify classification is acceptable to perform 51% of the Scope of Work.

   C. In case of a joint venture of two or more Contractors, the amount for the bid shall be within the maximum bid limitations as set by the State of Alabama Licensing Board for General Contractors of at least one of the partners to the joint venture.

7. NON-RESIDENT CONTRACTORS:

   A. Except for contracts funded in whole or part with funds received from a federal agency, preference shall be given to resident Contractors on the same basis as the

nonresident Contractor's state awards contracts to Alabama Contractors bidding in similar circumstances.

B. Nonresident Bidders shall, prior to submitting a bid, be registered with the Alabama Secretary of State and the Alabama Department of Revenue. Provide the Secretary of State Business "Entity ID Number" on the Bid Form in the space provided.

8. PRE-BID CONFERENCE:

A. **A Mandatory Pre-Bid Conference shall be held on _January 8, 2025 at 9:00 AM local time at the National Maritime Museum located at 155 Water Street, Mobile, Alabama 36602**. The conference will begin with an informal introductory meet and greet of the pre-qualified Prime Contractors to Small Business Subcontractor/Suppliers who wish to attend the meeting. This will be followed by the formal pre-bid conference. The pre-bid conference will be followed by a walkthrough of the site location with Pre-qualified Prime Contractors only.

B. The Pre-bid conference will be open to potential subcontractors and suppliers.

C. Minutes of this conference will be issued as an Addendum to the bid documents.

9. BID SUBMITTAL:

A. Bids must be submitted on copies of the Bid Forms furnished in the bidding documents.

B. Bid, with Bid Security, Sales Tax Form C-3A and other supporting data specified, shall be contained in a sealed, opaque envelope, approximately 9x12 inches or larger and be marked on the outside with the words "**SEALED BID FOR MOBILE ARENA - PROJECT NUMBER: CC-034-22.**

C. The Bid envelope shall be clearly addressed to the Owner as indicated on the Bid Form and include the bid date, the name, address and State License number and classification of the Bidder issued by the State of Alabama Licensing Board for General Contractors.

D. All Bids of $50,000 or more must include the bidder's State of Alabama General Contractor's License information written on the outside of the bid envelope. Any bid submitted without such license information may be rejected and returned to the bidder unopened.

E. In addition, in large letters on both front and back of envelope, write the following: DO NOT OPEN UNTIL THREE PM, February 14, 2025_____.

F. For a bid to be valid it shall be delivered at designated location prior to time and date for receipt of Bids indicated in INVITATION TO BID, or prior to any extension thereof issued to Bidders. After that time no Bid will be received or withdrawn.

G. When sent by mail, preferably special delivery, express service, or registered mail, the sealed Bids, marked as indicated above, shall be enclosed in another envelope for mailing such that the exterior mailing container or envelope may be opened without

revealing the contents of the Bids. It is the Contractors responsibility to assure delivery of the bid to the City Clerk's Office prior the time and date established.

10. EQUAL OPPORTUNITY:

    A. The City of Mobile, Alabama is an Equal Opportunity Employer and requires that all Contractors comply with the Equal Employment Opportunity laws and the provisions of the Bid Documents in this regard.

    B. The City of Mobile also encourages and supports the utilization of Minority Business Enterprises on these and all other publicly solicited Bids, and shall be in compliance with the City of Mobile's Minority Utilization Plan as adopted by the City Council.

    C. Contractor shall provide an appropriately completed copy of the "City of Mobile Subcontracting and Major Supplier Plan" in the envelope with their Bid Form. Form shall document DBE Subcontractors participating in the project. The total % of DBE participation shall be equal to or greater than 15% of the total bid price. During construction, contractors are required to submit a "DBE Utilization Report" with every Pay Application.

    D. Contractors should contact the City of Mobile, Supplier Diversity Manager for assistance with DBE Subcontractor information and any questions regarding the DBE Compliance Forms. Contact Archnique Kidd at 251-208-7967.

11. ADDITIONAL BIDDING PROCEDURES:

    A. Refer to the complete information in the Bid Documents prior to submitting a bid. Additional Bidding Procedure information is contained therein, particularly in the specification Section 00 20 00 "Instructions to Bidders - AIA Document A701" and in the specification Section 00 22 00 "Supplementary Instructions to Bidders".

12. STATE OF ALABAMA IMMIGRATION ACT

    "The State of Alabama, under the Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Alabama Code Section 31-13-1, et. Seq., requires:

    A. That the Contractor shall be enrolled in the E-Verify Program, shall participate in that Program during the performance of the contract, and shall verify the immigration status of every employee who is required to be verified, according to the applicable federal rules and regulations; and

    B. That it will attach to the contract the company's documentation of enrollment in E-Verify.

    C. Subcontractors must also enroll in the E-Verify Program prior to performing any work on the contract and shall attach to its sworn affidavit documentation establishing that the subcontractor is enrolled in the E-Verify Program.

13. PUBLIC CONTRACTS WITH ENTITIES ENGAGING IN CERTAIN BOYCOTT ACTIVITIES

A. By signing this contract, Contractor further represents and agrees that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade.

END OF SECTION

SECTION 00 24 00 – BID FORM

PROPOSAL FORM

To: **The City of Mobile** Date:_____

In compliance with your Advertisement for Bids and subject to all conditions thereof, the undersigned,

_____

(Legal Name of Bidder)

hereby proposes to furnish all labor and materials and perform all work required for the construction of

WORK: **The City of Mobile, Alabama**
Mobile Arena
401 Civic Center Drive, Mobile, AL 36602
Project Number: CC-034A-22

in accordance with Drawings and Specifications, dated December 13, 2024, prepared by

Goodwyn, Mills and Cawood, LLC.

The Bidder, which is organized and existing under the laws of the State of _____,

having its principal offices in the City of _____,

is a Corporation a Partnership an individual (other) _____

LISTING OF PARTNERS OR OFFICERS: If Bidder is a Partnership, list all partners and their addresses; if Bidder is a Corporation, list the names, titles, and business addresses of its officers:

_____

_____

BIDDER'S REPRESENTATION: The Bidder declares that it has examined the site of the Work, having become fully informed regarding all pertinent conditions, and that it has examined the Drawings and Specifications (including all Addenda received) for the Work and the other Bid and Contract Documents relative thereto, and that it has satisfied itself relative to the Work to be performed.

ADDENDA: The Bidder acknowledges receipt of Addenda Nos. _____ through _____ inclusively.

BASE BID: For construction complete as shown and specified, the sum of _____

_____Dollars ($_____)

BREAKDOWN OF BID

Base Bid:	$	_____
Contingency Allowance:	$	$15,000,000.00
Mural Reinstallation Allowance:	$	$ 500,000.00
Total Bid with Allowances:	$	_____

ALTERNATES:

Alternate No. 01:	$	_____N/A_____
Alternate No. 02:	$	_____
Alternate No. 03:	$	_____
Alternate No. 04:	$	_____
Alternate No. 05:	$	_____
Alternate No. 06:	$	_____
Alternate No. 07:	$	_____
Alternate No. 08:	$	_____
Alternate No. 09:	$	_____
Alternate No. 10:	$	_____N/A_____

UNIT PRICES – (See Attachment) (if required)

BID SECURITY: The undersigned agrees to enter into a Construction Contract and furnish the prescribed Performance and Payment Bonds and evidence of insurance within fifteen (15) calendar days, or such other period stated in the Bid Documents, after the contract forms have been presented for signature, provided such presentation is made within 30 calendar days after the opening of bids, or such other period stated in the Bid Documents. As security for this condition, the undersigned further agrees that the funds represented by the Bid Bond (or cashier's check) attached hereto may be called and paid into the account of the Awarding Authority as liquidated damages for failure to so comply.

Attached hereto is a: (*Mark the appropriate box and provide the applicable information.)*

□ Bid Bond, executed by
_____ as Surety,

□ a cashier's check on the _____ Bank of _____

for the sum of _____Dollars

($ _____) made payable to the Awarding Authority.

BIDDER'S ALABAMA LICENSE:
State License for General Contracting: _____ _____
License Number Bid Limit

_____.
Classification

CERTIFICATIONS: The undersigned certifies that he or she is authorized to execute contracts on behalf of the Bidder as legally named, that this proposal is submitted in good faith without fraud or collusion with any other bidder, that the information indicated in this document is true and complete, and that the bid is made in full accord with State law. Notice of acceptance may be sent to the undersigned at the address set forth below.

AMERICANS WITH DISABILITIES ACT (ADA): The undersigned Bidder agrees to fully comply with all requirements of the Americans with Disabilities Act of 1990 and the Amendment Act.

NONDISCRIMINATION: Contractor shall comply with all Federal, State and local laws concerning nondiscrimination, including but not limited to City of Mobile Ordinance No. 14-034 which requires, inter alia, that all contractors performing work for the City of Mobile not discriminate on the basis of race, creed, color, national origin or disability, require that all subcontractors they engage do the same, and make every reasonable effort to assure that fifteen percent of the work performed under contract be awarded to socially and economically disadvantaged individuals and business entities.

SIGNATURE: If the undersigned Bidder is incorporated, the entire legal title of the company followed by "a corporation" should be used. If Bidder is an individual, then that individual's full legal name followed by doing business as (d/b/a) and name of firm, if any, should be used. If Bidder is a partnership, then full name of each partner should be listed followed by "d/b/a" and name of firm, if any.

Ensure that name and exact arrangement thereof is the same on all forms submitted with this Bid. If a word is abbreviated in the official company name, such as "Co.", then use that abbreviation. If not abbreviated in the official name, spell out.

Bidder agrees not to revoke or withdraw this Bid until ninety (90) calendar days following the time and date for receipt of bids. If notified in writing of the acceptance of this Bid within this time period, Bidder agrees to execute a Contract based on this Bid on the proscribed form within ten

(10) calendar days of said notification and to furnish Performance Bond and Materials and Payment Bond as specified.

The Bidder also declares that a list of all proposed major subcontractors and suppliers will be submitted at a time subsequent to the receipt of bids as established by the Owner in the Bid Documents but in no event shall this time exceed twenty-four (24) hours after receipt of bids.

Legal Name of Bidder _____

Mailing Address _____

*** By (Legal Signature)** _____

* Name (type or print) _____ *(Seal)*

* Title _____

Telephone Number _____.

* If other than the individual proprietor, or an above named member of the Partnership, or the above named president, vice-president, or secretary of the Corporation, attach written authority to bind the Bidder. Any modification to a bid shall be over the initials of the person signing the bid, or of an authorized representative.

END OF PROPOSAL FORM

SECTION 00 73 00 - SUPPLEMENTARY PROJECT CONDITIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

All Sections within DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS AND DIVISION 01 – GENERAL R EQUIREMENTS.

1.2 SUMMARY

The Supplementary Conditions of the Contract are meant to be viewed as a complement to the General Conditions of the Contract. Should any discrepancy or ambiguity be noted, the Supplementary Conditions of the Contract shall apply, and the General Conditions of the Contract shall defer to Supplementary Conditions of the Contract. The terms "Designer", "Architect", and "Engineer" shall be construed to mean Goodwyn Mills Cawood. The terms "Owner", "Awarding Authority", and "City of Mobile" shall be construed to mean The City of Mobile. The term "Program Manager (PM)", "Construction Manager" and "Owner's Representative" shall be construed to mean "Volkert, Inc.". Where the Project Manual refers to Owner; it shall be recognized to include the Owner's Representative (PM) as per the requirements and limitations of the contract between Owner and Program Manager.

A. All documents to be submitted or otherwise provided by the Contractor shall be transmitted to the Architect and Program Manager via the project web site.

B. The City of Mobile utilizes E-Builder as its project management system. E-builder is a secure data collections site: https://www.e-builder.net. Firms and/or individuals, including subconsultants, shall use E-Builder as an essential component of project management with the City of Mobile. Membership fees are $2,150.00 per user to participate in the E-Builder project management system. The Contractor shall be required to have two user accounts and include this cost in the bid. The Contractor may request to add other users at the Contractor's expense. The Contractor will be required to submit all Pay Applications, RFIs, Submittals, and other project documents required by the specifications through E-Builder Project Management Software.

C. In the event the Contract Period of Performance extends into the Mobile Mardi Gras season, the Contractor shall account for potential disruptions to the work that may result from Mardi Gras. Any such disruptions shall be considered by the Contractor and included in the bid and shall not be a basis for a claim for additional compensation or time extension.

D. The Contractor will not be permitted to work, have any road closures, nor traffic interferences in place on the following days:

a. Lundi Gras, March 3, 2025
b. Fat Tuesday, March 4, 2025
c. Memorial Day, May 26, 2025
d. Veteran's Day, November 11, 2025
e. Lundi Gras, February 16, 2026
f. Fat Tuesday, February 17, 2026
g. Memorial Day, May 26, 2026
h. Veteran's Day, November 11, 2026

E. Contractor shall have access to the site seven days a week, 24 hours per day. Normal work hours are considered to be 6:00 am until 6:00 pm Monday through Friday excluding holidays. Work outside of normal hours shall require approval of the Program Manager. Approval of the Program Manager does not relieve the bidder from complying with any and all City of Mobile ordinances regarding noise, light, or other nuisances.

F. The Contractor may be allowed additional construction days due to inclement conditions ("rain days") only as such are appropriately documented and are in excess of the NOAA/National Weather Service average (previous 5 years) for the given month. A "rain day" is defined as more than (0.10") of rain falling within a given 24 hour period as measured at the project site. The Contractor shall request in writing any "rain days" they feel are legitimately due. Weather delay requests shall be submitted to the Program Manager in writing, on a monthly basis. The Contractor's claim shall account for and give credit to the Owner for days during the previous month that were less than the NOAA/National Weather Service average (previous 5 years) for the previous month.

The Claim shall include documentation of trades adversely impacted and the impacted activities of each trade. The documentation shall further substantiate that weather conditions were abnormal for the period of time; could not have been reasonably anticipated; the Contractor had taken reasonable efforts to minimize the impact; the adverse weather conditions occurred on or impacted a scheduled work day during regularly scheduled work hours; and the Contractor demonstrates, through the Critical Path Method of scheduling, the Substantial Completion Date has been impacted.

PART 2 - PRODUCTS (Not Applicable.)

PART 3 - EXECUTION (Not Applicable.)

A. All temporary chain link construction fencing, and signage shall be installed prior to performing any site demolition other than that required to install the fencing.

B. The Contractor's laydown area shall be as shown in the contract drawings. Contractor personnel shall not park in or otherwise utilize the laydown areas of other contractors working on the site.

C. The Contractor's construction entrance shall be located on Claiborne Street.

D. Construction traffic to include, but not limited to, heavy equipment delivery and pick up, haul trucks, and material delivery shall not be permitted on Lawrence Street.

E. Due to the site's location in a historic district and close proximity of historic structures and residential properties the use of explosives is prohibited.

F. If the Contractor intends to utilize on site crushers for concrete and masonry debris processing prior to removal from the site, this equipment shall be located on the east side of the project site as far from the residential properties as is reasonably possible. The location shall be approved by the Program Manager. Crushing equipment shall comply with all City of Mobile Ordinances regarding noise and dust controls.

G. The Contractor will be required to relocate two Mosaic Murals from Expo Hall into the Grand Hall of the new arena. A bid allowance of $500,000 has been included in the Contract documents for this work.

H. The Contractor shall protect, disconnect, and remove the Carrier 500 Ton Chiller currently installed at the Arena for City of Mobile re-use. The Chiller shall be removed prior to demolition of the Arena and placed in the existing parking lot in a location so as not to interfere with the Contractor's work. The City of Mobile will load and transport the Chiller off site.

END OF SECTION 00 73 00

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
   1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
   2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
   1. Include, as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation, whether or not indicated as part of alternate.

B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.

C. Execute accepted alternates under the same conditions as other Work of the Contract.

D. Schedule: A schedule of alternates is included at the end of this Section. Refer to Drawings for details of each alternate.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1: (Removed)
   1. This Alternate no longer applies to the project.

B. Alternate No. 2: Southwest Balcony Add
   1. Add Alternate Design: Northwest Balcony to remain in base bid. All other balconies would include structure only for future fit-out, but no finishes at COO.

C. Alternate No. 3: Northeast Balcony Add
   1. Add Alternate Design: Northwest Balcony to remain in base bid. All other balconies would include structure only for future fit-out, but no finishes at COO.

D. Alternate No. 4: High Screen Architectural Color Lighting Add
   1. Add Alternate Design: Base bid to exclude SL-13 Fixture from High Roof. Provide add alternate to include SL-13 Fixture at High Roof from Base Bid to allow color changing capability illuminating high roof.

E. Alternate No. 5: Eslava Exterior Streetscape
   1. Add Alternate Design: Base bid to exclude streetscape improvements along Enslava. Provide add alternate to include improvements.

F. Alternate No. 6: S. Hamilton Exterior Streetscape
   1. Add Alternate Design: Base bid to exclude streetscape improvements along S. Hamilton. Provide add alternate to include improvements.

G. Alternate No. 7: Home Hockey Locker Room – Owner Fit-Out
   1. Base bid to for Home Hockey Locker Area shall be 'white box'- shell space only inclusive of all partitions, mechanical and electrical infrastructure only. No furniture or fixtures to be installed. Add Alternate Design: Provide add alternate for full fit-out of the area (5,570 SF) as designed.

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   1. Add Alternate Design: Base bid to Team Store Area to be 'white box' - shell space with mechanical and electrical infrastructure only. Provide add alternate for full fit-out of the area as designed

I. Alternate No. 9: Color Tuning Sports Lighting
   1. Add Alternate Design: Additional infrastructure would provide arena additional sports lighting flexibility.

J. Alternate No. 10: (Removed)
   1. This Alternate no longer applies to the project.

END OF SECTION

SECTION 00 10 00 – INVITATION TO BID

INVITATION TO BID

You are invited to submit a sealed bid for construction of the following facility:

PROJECT NAME:	Mobile Arena.
PROJECT LOCATION:	401 Civic Center Drive, Mobile, Alabama 36602
GMC PROJECT NUMBER:	AMOB230117
CITY OF MOBILE PROJECT NUMBER:	ssCC-034A-22

1. BID DATE:
   A. Sealed bids will be received from Pre-qualified Bidders only.
   B. Sealed Base Bids will be received and clocked in until 1:30 PM local time, February 14, 2024. Sealed Alternate Bids will be received and clocked in until 2:30 PM local time, February 14, 2024. Bids are due in the office of the City Clerk, Government Plaza, 9th Floor South Administrative Tower, 205 Government Street, Mobile, Alabama 36602.
   C. All Bids not clocked in at the City Clerk's Office prior to the time specified, or Bids received after the specified time, will be automatically rejected and returned unopened.
   D. All Bids will be publicly opened and read at 3:00 PM local time, in the Government Plaza Atrium Lobby located at 205 Government St., Mobile, Alabama 36602.
2. SPECIFICATIONS AND DRAWINGS:
   A. Specifications and Drawings are on file and may be examined and obtained from the following location: https://www.cityofmobile.org/bids/
   B. Bidders shall use complete sets of Bid Documents in preparing their bid. Neither the Owner nor Architect/Engineer assumes responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bid Documents.
   C. All Addenda will be posted to the following location: https://www.cityofmobile.org/bids/
   D. This is a tax-exempt project and shall be certified by the requirements of the Alabama Department of Revenue. Bidders shall NOT include sales and use taxes with their bid amounts. Bidders shall complete the Sales Tax Form C-3A and include it as an attachment to their Bid Form.
   E. Bidder questions shall be submitted electronically to sam.matheny@volkert.com and keith.parker@gmcnetwork.com no later than January 27, 2025.

3. BID SURETY: Required on Bids $10,000.00 or more

   A. A Cashier's Check drawn on a bank registered to do business in the State of Alabama and which is a member of the Federal Deposit Insurance Corporation, or a Bid Bond payable to Owner, City of Mobile, in the amount of 5% of the Base Bid, but in no event more than $10,000.00 is required to accompany Bid.

   B. Bid Bond must be issued by a Surety licensed to do business in the State of Alabama. Bidder shall require the attorney in fact who executes the required bonds on behalf of the surety to affix to the bond a certified and current copy of the power of attorney.

   C. No Bid may be modified, withdrawn, or canceled for a period of Ninety (90) days after the time designated above for receipt of bids.

   The City of Mobile will have Ninety (90) days from the bid opening date to award contract.

4. SURETY QUALIFICATIONS:

   A. A Surety authorized to do business in the State of Alabama must issue Bonds.

   B. If the Base Bid is $50,000 or more, the Surety must have a minimum rating of A/Class VI as reported by the latest issue of Best Key Rating Guide Property-Casualty published by Alfred M. Best Company, Inc.

5. IRREGULARITIES AND REJECTION:

   A. The City of Mobile reserves the right to waive irregularities in the Bid and in Bidding, and to reject any or all Bids.

6. BIDDER QUALIFICATIONS:

   A. Bidders shall be pre-qualified in order to submit a bid.

   B. Bids for Work costing $50,000 or more must be licensed pursuant to current Alabama law and of classifications compliant with the State of Alabama Licensing Board for General Contractors. Note that if the contract amount is $10,000 or greater, both a Performance Bond and a Labor and Material Payment Bond shall be required. Before Bidding, Contractor shall verify their license classification of their General Contractors license with the State of Alabama Licensing Board for General Contractors to verify classification is acceptable to perform 51% of the Scope of Work.

   C. In case of a joint venture of two or more Contractors, the amount for the bid shall be within the maximum bid limitations as set by the State of Alabama Licensing Board for General Contractors of at least one of the partners to the joint venture.

7. NON-RESIDENT CONTRACTORS:

   A. Except for contracts funded in whole or part with funds received from a federal agency, preference shall be given to resident Contractors on the same basis as the

nonresident Contractor's state awards contracts to Alabama Contractors bidding in similar circumstances.

B. Nonresident Bidders shall, prior to submitting a bid, be registered with the Alabama Secretary of State and the Alabama Department of Revenue. Provide the Secretary of State Business "Entity ID Number" on the Bid Form in the space provided.

8. PRE-BID CONFERENCE:

A. **A Mandatory Pre-Bid Conference shall be held on _January 8, 2025 at 9:00 AM local time at the National Maritime Museum located at 155 Water Street, Mobile, Alabama 36602**. The conference will begin with an informal introductory meet and greet of the pre-qualified Prime Contractors to Small Business Subcontractor/Suppliers who wish to attend the meeting. This will be followed by the formal pre-bid conference. The pre-bid conference will be followed by a walkthrough of the site location with Pre-qualified Prime Contractors only.

B. The Pre-bid conference will be open to potential subcontractors and suppliers.

C. Minutes of this conference will be issued as an Addendum to the bid documents.

9. BID SUBMITTAL:

A. Bids must be submitted on copies of the Bid Forms furnished in the bidding documents.

B. Bid, with Bid Security, Sales Tax Form C-3A and other supporting data specified, shall be contained in a sealed, opaque envelope, approximately 9x12 inches or larger and be marked on the outside with the words "**SEALED BID FOR MOBILE ARENA - PROJECT NUMBER: CC-034-22.**

C. The Bid envelope shall be clearly addressed to the Owner as indicated on the Bid Form and include the bid date, the name, address and State License number and classification of the Bidder issued by the State of Alabama Licensing Board for General Contractors.

D. All Bids of $50,000 or more must include the bidder's State of Alabama General Contractor's License information written on the outside of the bid envelope. Any bid submitted without such license information may be rejected and returned to the bidder unopened.

E. In addition, in large letters on both front and back of envelope, write the following: DO NOT OPEN UNTIL THREE PM, February 7, 2025_____.

F. For a bid to be valid it shall be delivered at designated location prior to time and date for receipt of Bids indicated in INVITATION TO BID, or prior to any extension thereof issued to Bidders. After that time no Bid will be received or withdrawn.

G. When sent by mail, preferably special delivery, express service, or registered mail, the sealed Bids, marked as indicated above, shall be enclosed in another envelope for mailing such that the exterior mailing container or envelope may be opened without

revealing the contents of the Bids. It is the Contractors responsibility to assure delivery of the bid to the City Clerk's Office prior the time and date established.

10. EQUAL OPPORTUNITY:

    A. The City of Mobile, Alabama is an Equal Opportunity Employer and requires that all Contractors comply with the Equal Employment Opportunity laws and the provisions of the Bid Documents in this regard.

    B. The City of Mobile also encourages and supports the utilization of Minority Business Enterprises on these and all other publicly solicited Bids, and shall be in compliance with the City of Mobile's Minority Utilization Plan as adopted by the City Council.

    C. Contractor shall provide an appropriately completed copy of the "City of Mobile Subcontracting and Major Supplier Plan" in the envelope with their Bid Form. Form shall document DBE Subcontractors participating in the project. The total % of DBE participation shall be equal to or greater than 15% of the total bid price. During construction, contractors are required to submit a "DBE Utilization Report" with every Pay Application.

    D. Contractors should contact the City of Mobile, Supplier Diversity Manager for assistance with DBE Subcontractor information and any questions regarding the DBE Compliance Forms. Contact Archnique Kidd at 251-208-7967.

11. ADDITIONAL BIDDING PROCEDURES:

    A. Refer to the complete information in the Bid Documents prior to submitting a bid. Additional Bidding Procedure information is contained therein, particularly in the specification Section 00 20 00 "Instructions to Bidders - AIA Document A701" and in the specification Section 00 22 00 "Supplementary Instructions to Bidders".

12. STATE OF ALABAMA IMMIGRATION ACT

    "The State of Alabama, under the Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Alabama Code Section 31-13-1, et. Seq., requires:

    A. That the Contractor shall be enrolled in the E-Verify Program, shall participate in that Program during the performance of the contract, and shall verify the immigration status of every employee who is required to be verified, according to the applicable federal rules and regulations; and

    B. That it will attach to the contract the company's documentation of enrollment in E-Verify.

    C. Subcontractors must also enroll in the E-Verify Program prior to performing any work on the contract and shall attach to its sworn affidavit documentation establishing that the subcontractor is enrolled in the E-Verify Program.

13. PUBLIC CONTRACTS WITH ENTITIES ENGAGING IN CERTAIN BOYCOTT ACTIVITIES

A. By signing this contract, Contractor further represents and agrees that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade.

END OF SECTION

SECTION 00 24 00 – BID FORM

PROPOSAL FORM

To: **The City of Mobile** Date:_____

In compliance with your Advertisement for Bids and subject to all conditions thereof, the undersigned,

_____

(Legal Name of Bidder)

hereby proposes to furnish all labor and materials and perform all work required for the construction of

WORK: **The City of Mobile, Alabama**
Mobile Arena
401 Civic Center Drive, Mobile, AL 36602
Project Number: CC-034A-22

in accordance with Drawings and Specifications, dated December 13, 2024, prepared by

Goodwyn, Mills and Cawood, LLC.

The Bidder, which is organized and existing under the laws of the State of _____,

having its principal offices in the City of _____,

is a Corporation a Partnership an individual (other) _____

LISTING OF PARTNERS OR OFFICERS: If Bidder is a Partnership, list all partners and their addresses; if Bidder is a Corporation, list the names, titles, and business addresses of its officers:

_____

_____

BIDDER'S REPRESENTATION: The Bidder declares that it has examined the site of the Work, having become fully informed regarding all pertinent conditions, and that it has examined the Drawings and Specifications (including all Addenda received) for the Work and the other Bid and Contract Documents relative thereto, and that it has satisfied itself relative to the Work to be performed.

ADDENDA: The Bidder acknowledges receipt of Addenda Nos. _____ through _____ inclusively.

BASE BID: For construction complete as shown and specified, the sum of _____

_____Dollars ($_____)

BREAKDOWN OF BID

Base Bid:	$	_____
Contingency Allowance:	$	$15,000,000.00
Mural Reinstallation Allowance:	$	$ 500,000.00
Total Bid with Allowances:	$	_____

ALTERNATES:

Alternate No. 01:	$	_____N/A_____
Alternate No. 02:	$	_____
Alternate No. 03:	$	_____
Alternate No. 04:	$	_____
Alternate No. 05:	$	_____
Alternate No. 06:	$	_____
Alternate No. 07:	$	_____
Alternate No. 08:	$	_____
Alternate No. 09:	$	_____
Alternate No. 10:	$	_____N/A_____

UNIT PRICES – (See Attachment) (if required)

BID SECURITY: The undersigned agrees to enter into a Construction Contract and furnish the prescribed Performance and Payment Bonds and evidence of insurance within fifteen (15) calendar days, or such other period stated in the Bid Documents, after the contract forms have been presented for signature, provided such presentation is made within 30 calendar days after the opening of bids, or such other period stated in the Bid Documents. As security for this condition, the undersigned further agrees that the funds represented by the Bid Bond (or cashier's check) attached hereto may be called and paid into the account of the Awarding Authority as liquidated damages for failure to so comply.

Attached hereto is a: (*Mark the appropriate box and provide the applicable information.)*

□ Bid Bond, executed by
_____ as Surety,

□ a cashier's check on the _____ Bank of _____

for the sum of _____Dollars

($ _____) made payable to the Awarding Authority.

BIDDER'S ALABAMA LICENSE:
State License for General Contracting: _____ _____
License Number Bid Limit

_____.
Classification

CERTIFICATIONS: The undersigned certifies that he or she is authorized to execute contracts on behalf of the Bidder as legally named, that this proposal is submitted in good faith without fraud or collusion with any other bidder, that the information indicated in this document is true and complete, and that the bid is made in full accord with State law. Notice of acceptance may be sent to the undersigned at the address set forth below.

AMERICANS WITH DISABILITIES ACT (ADA): The undersigned Bidder agrees to fully comply with all requirements of the Americans with Disabilities Act of 1990 and the Amendment Act.

NONDISCRIMINATION: Contractor shall comply with all Federal, State and local laws concerning nondiscrimination, including but not limited to City of Mobile Ordinance No. 14-034 which requires, inter alia, that all contractors performing work for the City of Mobile not discriminate on the basis of race, creed, color, national origin or disability, require that all subcontractors they engage do the same, and make every reasonable effort to assure that fifteen percent of the work performed under contract be awarded to socially and economically disadvantaged individuals and business entities.

SIGNATURE: If the undersigned Bidder is incorporated, the entire legal title of the company followed by "a corporation" should be used. If Bidder is an individual, then that individual's full legal name followed by doing business as (d/b/a) and name of firm, if any, should be used. If Bidder is a partnership, then full name of each partner should be listed followed by "d/b/a" and name of firm, if any.

Ensure that name and exact arrangement thereof is the same on all forms submitted with this Bid. If a word is abbreviated in the official company name, such as "Co.", then use that abbreviation. If not abbreviated in the official name, spell out.

Bidder agrees not to revoke or withdraw this Bid until ninety (90) calendar days following the time and date for receipt of bids. If notified in writing of the acceptance of this Bid within this time period, Bidder agrees to execute a Contract based on this Bid on the proscribed form within ten

(10) calendar days of said notification and to furnish Performance Bond and Materials and Payment Bond as specified.

The Bidder also declares that a list of all proposed major subcontractors and suppliers will be submitted at a time subsequent to the receipt of bids as established by the Owner in the Bid Documents but in no event shall this time exceed twenty-four (24) hours after receipt of bids.

Legal Name of Bidder _____

Mailing Address _____

*** By (Legal Signature)** _____

* Name (type or print) _____ *(Seal)*

* Title _____

Telephone Number _____.

* If other than the individual proprietor, or an above named member of the Partnership, or the above named president, vice-president, or secretary of the Corporation, attach written authority to bind the Bidder. Any modification to a bid shall be over the initials of the person signing the bid, or of an authorized representative.

END OF PROPOSAL FORM

SECTION 00 73 00 - SUPPLEMENTARY PROJECT CONDITIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

All Sections within DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS AND DIVISION 01 – GENERAL R EQUIREMENTS.

1.2 SUMMARY

The Supplementary Conditions of the Contract are meant to be viewed as a complement to the General Conditions of the Contract. Should any discrepancy or ambiguity be noted, the Supplementary Conditions of the Contract shall apply, and the General Conditions of the Contract shall defer to Supplementary Conditions of the Contract. The terms "Designer", "Architect", and "Engineer" shall be construed to mean Goodwyn Mills Cawood. The terms "Owner", "Awarding Authority", and "City of Mobile" shall be construed to mean The City of Mobile. The term "Program Manager (PM)", "Construction Manager" and "Owner's Representative" shall be construed to mean "Volkert, Inc.". Where the Project Manual refers to Owner; it shall be recognized to include the Owner's Representative (PM) as per the requirements and limitations of the contract between Owner and Program Manager.

A. All documents to be submitted or otherwise provided by the Contractor shall be transmitted to the Architect and Program Manager via the project web site.

B. The City of Mobile utilizes E-Builder as its project management system. E-builder is a secure data collections site: https://www.e-builder.net. Firms and/or individuals, including subconsultants, shall use E-Builder as an essential component of project management with the City of Mobile. Membership fees are $2,150.00 per user to participate in the E-Builder project management system. The Contractor shall be required to have two user accounts and include this cost in the bid. The Contractor may request to add other users at the Contractor's expense. The Contractor will be required to submit all Pay Applications, RFIs, Submittals, and other project documents required by the specifications through E-Builder Project Management Software.

C. In the event the Contract Period of Performance extends into the Mobile Mardi Gras season, the Contractor shall account for potential disruptions to the work that may result from Mardi Gras. Any such disruptions shall be considered by the Contractor and included in the bid and shall not be a basis for a claim for additional compensation or time extension.

D. The Contractor will not be permitted to work, have any road closures, nor traffic interferences in place on the following days:

a. Lundi Gras, March 3, 2025
b. Fat Tuesday, March 4, 2025
c. Memorial Day, May 26, 2025
d. Veteran's Day, November 11, 2025
e. Lundi Gras, February 16, 2026
f. Fat Tuesday, February 17, 2026
g. Memorial Day, May 26, 2026
h. Veteran's Day, November 11, 2026

E. Contractor shall have access to the site seven days a week, 24 hours per day. Normal work hours are considered to be 6:00 am until 6:00 pm Monday through Friday excluding holidays. Work outside of normal hours shall require approval of the Program Manager. Approval of the Program Manager does not relieve the bidder from complying with any and all City of Mobile ordinances regarding noise, light, or other nuisances.

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The Claim shall include documentation of trades adversely impacted and the impacted activities of each trade. The documentation shall further substantiate that weather conditions were abnormal for the period of time; could not have been reasonably anticipated; the Contractor had taken reasonable efforts to minimize the impact; the adverse weather conditions occurred on or impacted a scheduled work day during regularly scheduled work hours; and the Contractor demonstrates, through the Critical Path Method of scheduling, the Substantial Completion Date has been impacted.

PART 2 - PRODUCTS (Not Applicable.)

PART 3 - EXECUTION (Not Applicable.)

A. All temporary chain link construction fencing, and signage shall be installed prior to performing any site demolition other than that required to install the fencing.

B. The Contractor's laydown area shall be as shown in the contract drawings. Contractor personnel shall not park in or otherwise utilize the laydown areas of other contractors working on the site.

C. The Contractor's construction entrance shall be located on Claiborne Street.

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E. Due to the site's location in a historic district and close proximity of historic structures and residential properties the use of explosives is prohibited.

F. If the Contractor intends to utilize on site crushers for concrete and masonry debris processing prior to removal from the site, this equipment shall be located on the east side of the project site as far from the residential properties as is reasonably possible. The location shall be approved by the Program Manager. Crushing equipment shall comply with all City of Mobile Ordinances regarding noise and dust controls.

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END OF SECTION 00 73 00

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
   1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
   2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
   1. Include, as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation, whether or not indicated as part of alternate.

B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.

C. Execute accepted alternates under the same conditions as other Work of the Contract.

D. Schedule: A schedule of alternates is included at the end of this Section. Refer to Drawings for details of each alternate.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1: (Removed)
   1. This Alternate no longer applies to the project.

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   1. Add Alternate Design: Northwest Balcony to remain in base bid. All other balconies would include structure only for future fit-out, but no finishes at COO.

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   1. Add Alternate Design: Base bid to exclude SL-13 Fixture from High Roof. Provide add alternate to include SL-13 Fixture at High Roof from Base Bid to allow color changing capability illuminating high roof.

E. Alternate No. 5: Eslava Exterior Streetscape
   1. Add Alternate Design: Base bid to exclude streetscape improvements along Enslava. Provide add alternate to include improvements.

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   1. Add Alternate Design: Base bid to exclude streetscape improvements along S. Hamilton. Provide add alternate to include improvements.

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   1. Base bid to for Home Hockey Locker Area shall be 'white box'- shell space only inclusive of all partitions, mechanical and electrical infrastructure only. No furniture or fixtures to be installed. Add Alternate Design: Provide add alternate for full fit-out of the area (5,570 SF) as designed.

H. Alternate No. 8: Team Store Fit out (By Team or Sponsorship)
   1. Add Alternate Design: Base bid to Team Store Area to be 'white box' - shell space with mechanical and electrical infrastructure only. Provide add alternate for full fit-out of the area as designed

I. Alternate No. 9: Color Tuning Sports Lighting
   1. Add Alternate Design: Additional infrastructure would provide arena additional sports lighting flexibility.

J. Alternate No. 10: (Removed)
   1. This Alternate no longer applies to the project.

END OF SECTION

SECTION 084229 – SLIDING AUTOMATIC ENTRANCES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This section includes the following types of automatic entrance doors:
   1. Interior sliding automatic entrances.

B. Related Sections:
   1. Division 07 Sections for caulking to the extent not specified in this section.
   2. Division 08 Section “Aluminum-Framed Entrances and Storefronts” for entrances furnished separately in Division 8 Section.
   3. Division 08 Section “Door Hardware” for hardware to the extent not specified in this Section.
   4. Division 08 Section “Glazing” for materials and installation requirements of glazing for automatic entrance doors.
   5. Division 26 and 28 Sections for electrical connections including conduit and wiring for automatic entrance door operators and access control devices.

1.3 REFERENCES

A. References: Refer to the version year adopted by the Authority Having Jurisdiction.
   1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
   2. ICC/IBC - International Building Code.
   3. NFPA 70 - National Electrical Code.
   4. NFPA 101 - Life Safety Code.

B. American National Standards Institute (ANSI) / Builders Hardware Manufacturers Association (BHMA).
   1. ANSI/BHMA A156.10 American National Standard for Power Operated Pedestrian Doors.
   2. ANSI Z97.1 Standards for Safety Glazing Material Used in Buildings.

C. Underwriters Laboratories (UL).
   1. UL 325 Standard for Safety for Door, Drapery, Gate, Louver and Window Operators and Systems.

D. American Association of Automatic Door Manufacturers (AAADM).

E. American Society for Testing and Materials (ASTM).
   1. ASTM B221 Standard Specification for Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.
   2. ASTM B209 Standard Specification for Aluminum and Aluminum Alloy Sheet and Plate.

F. American Architectural Manufacturers Association (AAMA).
   1. AAMA 611 Voluntary Specification for Anodized Architectural Aluminum.

G. National Association of Architectural Metal Manufacturers (NAAMM).

1. Metal Finishes Manual for Architectural Metal Products.

H. International Code Council (ICC).
1. IBC: International Building Code.

1.4 DEFINITIONS

A. Activation Device: Device that, when actuated, sends an electrical signal to the door operator to activate the operation of the door.
1. Knowing act: Consciously initiating the opening of a power operated door using acceptable methods including wall mounted switches such as push plates and controlled access devices such as keypads, card readers and key switches.

B. Safety Device: A device that detects the presence of an object or person within a zone where contact could occur and provides a signal to stop the movement of the door.

1.5 PERFORMANCE REQUIREMENTS

A. Comply with the following:
1. ANSI/BHMA A156.10 American National Standard for Power Operated Pedestrian Doors.
2. UL 325 listed.

B. Automatic door equipment accommodates medium to heavy pedestrian traffic.

C. Entrapment Force Requirements:
1. Power Operated Sliding Doors: Not more than 30 lbf (133 N) required to prevent stopped door from closing.
2. Sliding doors provided with a breakaway device shall require no more than 50 lbf (222N) applied 1 inch (25 mm) from the leading edge of the lock stile for the breakout panel to open.

1.6 SUBMITTALS

A. Product Data: Manufacturer’s product data sheets including installation details, material descriptions, dimensions of individual components and profiles, fabrication, operational descriptions and finishes.

B. Shop Drawings: Submit manufacturer’s shop drawings, including elevations, sections and details, indicating dimensions, materials, and fabrication of doors, frames, sidelights, operator, motion /presence sensor control device, activation devices, anchors, hardware, finish, options and accessories.

C. Samples: Submit manufacturer’s samples of aluminum finish.

D. Manufacturers Field Reports: Submit manufacturer’s field reports from AAADM certified technician of inspection and approval of doors for compliance with ANSI/BHMA A156.10 after completion of installation.

E. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door opening installation in quantity as required in Division 01, Closeout Submittals. The manual is to include the name, address, and contact information of the manufacturers providing the entrance and their nearest service representatives. The final copies delivered after completion of the installation test to include the spare parts list.

F. Warranties and Maintenance: Special warranties and maintenance agreements specified in this Section.

1.7 QUALITY ASSURANCE

A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum of 10 years of documented experience in manufacturing doors and equipment of similar to that indicated for this Project and that have a proven record of successful in-service performance. Manufacturer to have a company certificate issued by AAADM.

B. Installer Qualifications: Installers, trained by the primary product manufacturers, with a minimum of 3 years documented experience installing and maintenance of units similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

C. Certified Inspector Qualifications: Certified by AAADM.

D. Source Limitations for Automatic Entrances: Obtain each type of door, frame, operator and sensor components specified in this Section from a single source, same manufacturer unless otherwise indicated.

E. Power-Operated Pedestrian Door Standard: ANSI/BHMA A156.10 (current version).

F. Emergency Exit Door Requirements: Comply with requirements of authorities having jurisdiction for automatic entrance doors serving as a required means of egress.

G. Pre-Installation Meeting: Prior to the start of the Work, meet at the Project site to review material selections, methods and sequence of installation, special details and conditions, standard of workmanship, quality control requirements, job organization, coordination with other trades, and other pertinent topics related to the Work.
   1. The meeting shall include the contractor, supplier, installers, electrical contractor and Division 28 contractor (if required).

1.8 PROJECT CONDITIONS

A. Field Measurements: Verify actual dimensions of openings to receive automatic entrances by field measurements before fabrication and indicate on shop drawings.

1.9 COORDINATION

A. Coordinate sizes and locations of recesses in concrete floors for recessed tracks and thresholds if applicable. Concrete work is specified in Division 03.

B. Electrical System Roughing-in: Coordinate layout and installation of automatic entrances with connections to power supplies and access control system as applicable.

1.10 WARRANTY

A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. Automatic Entrance Doors shall be free of defects in material and workmanship for a period of One (1) year from the date of substantial completion.

C. During the warranty period a factory-trained technician shall perform service and affect repairs. An inspection shall be performed after each adjustment or repair.

D. During the warranty period all warranty work, including but not limited to emergency service, shall be performed during normal business hours.

E. The manufacturer shall have in place a dispatch procedure for emergency call back service that shall be available 24 hours a day, 7 days a week.

PART 2 - PRODUCTS

2.1 MANUFACTURER

A. General: Provide automatic sliding entrance assemblies as produced by one manufacturer for the entire project unless otherwise acceptable to the Architect. Products specified herein by proprietary designation establish the quality standards required. Equivalent products of other manufacturers will be considered provided they meet those established standards.

B. Manufacturers:
1. Besam ASSA ABLOY SL500.
2. Stanley Access Technologies Dura-Glide 2000.
3. Horton Automatics Series 2000B.

2.2 SLIDING AUTOMATIC ENTRANCES

A. Sliding automatic entrance system including the following:
1. Sliding panels and aluminum frame.
2. Overhead concealed, electro-mechanical operator.
3. Operator housing, guide system and carrier assemblies.
4. Controls and accessories as required for complete installation.

B. Besam SL500 (Basis of Design) Automatic Sliding Entrance with Stile and Rail Panels:
1. Single slide, surface mounted, door system.
    a. Configuration: Single slide unit without sidelite.
    b. Traffic Pattern: Two-way.
    c. Emergency Breakaway Capability: Sliding leaf.
    d. Mounting: Surface mounted header installed on face of wall.

2.3 ENTRANCE COMPONENTS

A. Stile and Rail Sliding Panels:
1. Material: Extruded Aluminum, Alloy 6063-T5.
2. Door panels shall have a minimum .125 inch (3.2 mm) structural wall thickness including adjoining horizontal members and perimeter frames where applicable.
3. Door Construction shall be by means of an integrated corner block with 3/8 inch all-thread through bolt from each stile.
4. Full breakout sliding entrances shall include two interlocks per moving panel securing the leading stile of the sidelite and the butt stile of the sliding door panel together.
5. Vertical Stiles shall be narrow stile 2-1/8 inch (54 mm).
6. Bottom Rails shall be 4 inch (102 mm).
7. Units shall not have any tracks or threshold in the path of travel.

8. Glass: Glazing shall comply with ANSI Z97.1, thickness as indicated.
    a. Glazing Installation: See Division 8 Section “Glazing” for requirements.
        1) All glazing furnished by others.

B. Door Carriers: Manufacturer’s standard carrier assembly that allows vertical adjustment.
1. Single Slide and Bi-Parting Panels:
    a. Carriage Assembly: Carriage bar with two-wheel assemblies. Each assembly shall have tandem roller wheels.
    b. Roller Wheels: Two heavy duty Delrin roller wheels per wheel assembly, for a total of four (4) roller wheels, 1-7/16-inch (36.51 mm) diameter, per active door leaf for operation over a replaceable aluminum track. Single journal with sealed oil impregnated bearings.
    c. Two (2) heavy duty self-aligning anti-risers per leaf.

C. Framing Members: Provide automatic entrances as complete assemblies. Manufacturer’s standard extruded aluminum framing reinforced as required to support loads.

D. Header: Manufacturer’s standard extruded aluminum header with a replaceable aluminum track extending full width of entrance unit. Header to conceal door operators, carrier assemblies, and roller track; complete with hinged access panel for service of door operator, and controls.
1. Single Slide:
    a. Header Span: Maximum 16’-0” (4.9 m) without intermediate supports when entrance glazed with 1/4-inch glass.
    b. Capacity: Capable of supporting active breakout leaves up to maximum of 300 lb (136 kg) per leaf when header is supported per manufacturer’s recommendations.
    c. Size: 4-1/2 inches (114.3 mm) wide 6 inches (152.4 mm) wide by 7 inches (177.8 mm) high.
        1) Header height including the sensor plate cap which spans the clear door opening width is 8 inches (204.3 mm) high.
2. Header Access: Continuous hinge at top of header allows cover to swing and allow complete access to operator and internal electronic and mechanical assemblies.
3. Design: Closed header when doors are in closed position.

2.4 HARDWARE

A. Hardware: Provide manufacturer’s standard hardware as required for operation indicated.
1. Breakaway arms and bottom pivot assemblies shall be supplied by the manufacturer and shall be adjustable to comply with applicable codes.
2. Hydraulic closer(s) to return breakout door to the closed position.
    a. Magnetic catch(es) to retain breakout door panels in the closed position.

B. Guide Track/Threshold: Manufacturer’s threshold as indicated.
1. Surface Mounted Entrance Guide Track: Floor mounted aluminum guide track(s) mounted adjacent to the wall construction. The track(s) shall not extend into the clear door opening.

2.5 DOOR OPERATORS AND CONTROLS

A. Door Operator and Controller:
1. Electro-mechanical controlled unit utilizing a high-efficiency, energy efficient, DC motor requiring a maximum of 3 amp current draw, allowing 5 operators on one 20 amp circuit. The supplied system shall have the capability to operate at full performance well beyond a brown out and high line voltage conditions (85V – 265V) sensing changes and adjusting automatically. The operator shall allow an adjustable hold open time delay of 0 to 60 seconds and have internal software to incorporate a self-diagnostic system.

B. Microprocessor Control Box:
   1. Modular control units to allow for changing technology. Factory-adjusted configuration with opening and closing speeds set to comply with ANSI/BHMA A156.10 requirements and electronic dampening to reduce wear on drive train. Should the drive train operations deviate from design criteria ranges, Watchdog Control Circuit Monitoring will assume command of the system and shut down the automatic function allowing a secondary supervisory circuit to perform as a backup. Control unit shall allow the following functions:
      a. Diagnostics with the ability to produce application data.
   2. Mode Selector Control:
      a. Multi-position rotary keyed cylinder mode selector control shall allow selection of the indicated functions to be engaged when switch is turned to the appropriate setting.
      b. Mode Selector Control Mounting: Control shall be mounted as indicated:
         1) Jamb mounted.
      c. Mode selector control to allow the following functions:
         1) “Off”
         2) “Exit Only” one way traffic with automatic operation from the interior.
         3) “Two Way Traffic” allowing automatic operation from exterior and interior.
         4) “Partial Opening” energy saving door position allows door to automatically adjust opening width based on amount of usage, that is, full open during high use and partial open during low use. The control for this setting is programmable allowing adjustment to both the usage setting and the opening width.
         5) “Hold Open” doors activated and held in the fully open position.

2.6 ACTIVATION AND SAFETY CONTROL DEVICES

A. General: Provide the types of activation and safety devices specified in accordance with ANSI/BHMA standards, for the condition of exposure and for long-term, maintenance-free operation under normal traffic load for type of occupancy indicated. Coordinate activation and safety devices with door operation and door operator mechanisms.

B. Wall mounted activation devices.
   1. Provide wall mounted activation devices for doors as indicated on plans.
   2. Switches shall be touchless proximity activated switches utilizing a Microwave Doppler Radar technology.
   3. Detection Range: 4 – 24” (adjustable)
   4. Manufacturers:
      a. BEA: 10MS41-S.

2.7 ELECTRICAL

A. High-Efficiency DC Motor: Maximum of 3-amp current draw, allowing 5 operators to run on one 20 Amp circuit.

B. Power: Self-detecting line voltage capable control. 120 VAC through 240 VAC, 50/60 Hz, 3 amp minimum incoming power with solid earth ground connection for each door system.

C. Key Impulse Input: Input for card readers or remote activation with independent adjustable hold open delay.

D. Wiring: Separate internal channel raceway free from moving parts.

E. Brown out / high voltage capability: System has capability to operate at full performance well beyond brown out and high voltage line conditions (85 V – 265 V) sensing changes and adjusting automatically.

2.8 ALUMINUM FINISHES

A. Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.

B. Anodized Finish:
   1. AAMA 611, Clear, AA- M12C22A41, Class I, 0.018 mm.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, wall and floor construction, and other conditions affecting performance.

B. Examine roughing-in for electrical source power to verify actual locations of wiring connections.

C. Proceed only after such discrepancies or conflicts have been resolved.

3.2 INSTALLATION

A. Do not install damaged components. Fit frame joints to produce hairline joints free of burrs and distortion. Rigidly secure non-movement joints.

B. Entrances: Install automatic entrances plumb and true in alignment with established lines and grades without warp or rack of framing members and doors. Anchor securely in place.
   1. Install surface mounted hardware using concealed fasteners to greatest extent possible.
   2. Set headers, carrier assemblies, tracks, operating brackets and guides level and true to location with anchorage for permanent support.

C. Door Operators: Connect door operators to electrical power distribution system as specified in Division 26 Sections.

D. Glazing: Glaze sliding automatic entrance door panels in accordance with the Glass Association of North America (GANA) Glazing Manual, published recommendations of glass product manufacturer, and published instructions of automatic entrance system manufacturer.

E. Sealants: Comply with requirements specified in division 7 Section “Joint Sealants” to provide a weather tight installation.
   1. Set thresholds, bottom guide and track systems and framing members in full bed of sealant.
   2. Seal perimeter of framing members with sealant.

F. Signage: Apply custom signage on both sides of each door as required by ANSI/BHMA A156.10 and manufacturers installation instructions.

3.3 ADJUSTING

A. Adjust door operators, controls and hardware for smooth and safe operation and for weather tight closure. Adjust doors in compliance with ANSI/BHMA A156.10.

B. Verify installation and alignment of all entrance weather-stripping as required for compliance with specified air infiltration requirements.

3.4 FIELD QUALITY CONTROL

A. Before placing doors into operation, AAADM certified technicians shall inspect and approve doors for compliance with ANSI/BHMA A156.10. A certified technician shall be approved by the manufacturer.

3.5 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door installation.

B. Clean glass and metal surfaces promptly after installation. Remove excess sealants, compounds, dirt and other substances. Repair damages to match original finish.

3.6 DEMONSTRATION

A. Engage a factory-authorized representative to train Owner's maintenance personnel to adjust, operate, and maintain safe operation of the door.

END OF SECTION

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes commercial door hardware for the following:
   1. Swinging doors.
   2. Sliding doors.
   3. Other doors to the extent indicated.

B. Door hardware includes, but is not necessarily limited to, the following:
   1. Mechanical door hardware.
   2. Electromechanical door hardware.
   3. Cylinders specified for doors in other sections.

C. Related Sections:
   1. Division 08 Section “Hollow Metal Doors and Frames”.
   2. Division 08 Section “Flush Wood Doors”.
   3. Division 08 Section “Aluminum-Framed Entrances and Storefronts”.
   4. Division 28 Section “Access Control Hardware Devices”.

D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
   1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
   2. ICC/IBC - International Building Code.
   3. NFPA 70 - National Electrical Code.
   4. NFPA 80 - Fire Doors and Windows.
   5. NFPA 101 - Life Safety Code.
   6. NFPA 105 - Installation of Smoke Door Assemblies.
   7. TAS-201-94 - Impact Test Procedures.
   8. TAS-202-94 - Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components using Uniform Static Air Pressure.
   9. TAS-203-94 - Criteria for Testing Products Subject to Cyclic Wind Pressure Loading.
   10. State Building Codes, Local Amendments.

E. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:
   1. ANSI/BHMA Certified Product Standards - A156 Series.
   2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
   3. ANSI/UL 294 - Access Control System Units.
   4. UL 305 - Panic Hardware.

1.3 SUBMITTALS

A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.

B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing, fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
   1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
   2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
   3. Content: Include the following information:
      a. Type, style, function, size, label, hand, and finish of each door hardware item.
      b. Manufacturer of each item.
      c. Fastenings and other pertinent information.
      d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
      e. Explanation of abbreviations, symbols, and codes contained in schedule.
      f. Mounting locations for door hardware.
      g. Door and frame sizes and materials.
      h. Warranty information for each product.
      i. Operational narratives for electrified hardware.
   4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.

C. Shop Drawings: Details of electrified access control hardware indicating the following:

   1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:
      a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
   2. Point to Point Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:
      a. Complete (risers, point-to-point) access control system block wiring diagrams.
      b. Wiring instructions for each electronic component scheduled herein.
   3. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.
   4. Provide engineered diagrams specific to each opening. Individual wiring instructions shipped with devices are not considered a complete diagram.

D. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.

E. Informational Submittals:
   1. Hurricane Resistant Openings: Exterior hurricane opening assemblies to be tested according to ASTM E330, ASTM E1886, ASTM E1996, TAS 201, TAS 202, TAS 203 standards, and certified by a qualified independent third party agency acceptable to authority having jurisdiction, with labeling indicating compliance with the design pressure and debris impact resistance level requirements specified for the Project.
   2. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

1.4 CLOSEOUT SUBMITTALS

A. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.

B. Project Record Documents: Provide record documentation of as-built door hardware sets in digital format (.pdf, .docx, .xlsx, .csv) and as required in Division 01, Project Record Documents.

1.5 QUALITY ASSURANCE

A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.

B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).

C. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.

E. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
   1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
   2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.

F. Hurricane Resistant Exterior Openings: Provide exterior door hardware as complete and tested assemblies, or component assemblies, including approved doors and frames specified under

Section 081113 "Hollow Metal Doors and Frames", to meet the design pressures, debris impact resistance, and glass and glazing requirements applicable to the Project.

1. Test units according to ASTM E330, ASTM E1886, ASTM E1996, TAS 201, TAS 202, and TAS 203 standards, certified by a qualified independent third party listing agency acceptable to authority having jurisdiction, and bearing a third party certification agency permanent label indicting windstorm approved product.

G. Each unit to bear third party permanent label indicating compliance with the referenced testing standards.

H. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:

1. Function of building, purpose of each area and degree of security required.
2. Plans for existing and future key system expansion.
3. Requirements for key control storage and software.
4. Installation of permanent keys, cylinder cores and software.
5. Address and requirements for delivery of keys.

I. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.

1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
3. Review sequence of operation narratives for each unique access controlled opening.
4. Review and finalize construction schedule and verify availability of materials.
5. Review the required inspecting, testing, commissioning, and demonstration procedures

J. At completion of installation, provide written documentation that components were applied according to manufacturer's instructions and recommendations and according to approved schedule.

1.6 DELIVERY, STORAGE AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.

B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.

C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.7 COORDINATION

A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.

B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.

C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.8 WARRANTY

A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
   1. Structural failures including excessive deflection, cracking, or breakage.
   2. Faulty operation of the hardware.
   3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
   4. Electrical component defects and failures within the systems operation.

C. Warranty Period: One year from date of Substantial Completion unless otherwise indicated.

D. Special Warranty Periods:
   1. Ten years for mortise locks and latches.
   2. Five years for exit hardware.
   3. Twenty-five years for manual surface and overhead door closer bodies.
   4. Five years for motorized electric latch retraction exit devices.
   5. Two years for electromechanical door hardware and accessories.
   6. Two years for automatic power door operators.

PART 2 - PRODUCTS

2.1 BUTT HINGES

A. Hinges: ANSI/BHMA A156.1 butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.
   1. Quantity: Provide the following hinge quantity:
      a. Two Hinges: For doors with heights up to 60 inches.
      b. Three Hinges: For doors with heights 61 to 90 inches.
      c. Four Hinges: For doors with heights 91 to 120 inches.
      d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
    a. Widths up to 3’0”: 4-1/2” standard or heavy weight as specified.
    b. Sizes from 3’1” to 4’0”: 5” standard or heavy weight as specified.
3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:

    a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
    b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.

4. Hinge Options: Comply with the following:
    a. Non-removable Pins: With the exception of electric through wire hinges, provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for all out-swinging lockable doors.
5. Manufacturers:
    a. Hager Companies (HA)
    b. dormakaba Stanley (ST).
    c. McKinney (MK).

2.2 CONTINUOUS HINGES

A. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 continuous geared hinge. with minimum 0.120-inch thick extruded 6063-T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.
    1. Manufacturers:
        a. Hager Companies (HA).
        b. Select Hinge (SL).
        c. Pemko (PE).

2.3 SLIDING AND FOLDING HARDWARE

A. Sliding and Folding Door Hardware: Hardware is to be of type and design as specified and should conform with ANSI/BHMA A156.14.
    1. Sliding Bi-Passing Pocket Door Hardware: Provide complete sets consisting of track, hangers, stops, bumpers, floor channel, guides, and accessories indicated.
    2. Manufacturers:
        a. Hafele Manufacturing (HF).
        b. Pemko (PE).
        c. KN Crowder (KN).

2.4 POWER TRANSFER DEVICES

A. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.
    1. Manufacturers:

a. Architectural Builders Hardware (AH) - PT1000-EZ Series.
b. Pemko (PE) - EL-CEPT Series.
c. Securitron (SU) - EL-CEPT Series.

B. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.
1. Provide one each of the following tools as part of the base bid contract:
a. McKinney (MK) - Electrical Connecting Kit: QC-R001.
b. McKinney (MK) - Connector Hand Tool: QC-R003.
2. Manufacturers:
a. McKinney (MK) - QC-C Series.

2.5 DOOR OPERATING TRIM

A. Flush Bolts and Surface Bolts: Provide products conforming to ANSI/BHMA A156.3 and A156.16, Grade 1.
1. Flush bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately six feet from the floor.
2. Furnish dust proof strikes for bottom bolts.
3. Surface bolts to be minimum 8” in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.
5. Manufacturers:
a. Burns Manufacturing (BU).
b. Rockwood (RO).
c. Trimco (TC).

B. Coordinators: ANSI/BHMA A156.3 door coordinators consisting of active-leaf, hold-open lever and inactive-leaf release trigger. Model as indicated in hardware sets.
1. Manufacturers:
a. Burns Manufacturing (BU).
b. Rockwood (RO).
c. Trimco (TC).

C. Door Push Plates and Pulls: ANSI/BHMA A156.6 door pushes and pull units of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.
1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
4. Pulls, where applicable, shall be provided with a 10” clearance from the finished floor on the push side to accommodate wheelchair accessibility.

5. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets. When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.
6. Manufacturers:
    a. Burns Manufacturing (BU).
    b. Rockwood (RO).
    c. Trimco (TC).

D. Locking Pull System: Post-mount style door pulls with integrated deadbolt locking system in type and design as specified in the Hardware Sets. Pulls available in multiple head, floor, or combination locking options, with outside keyed rim cylinder operation and inside turn piece activation. Mounting applications for aluminum, glass, steel and wood doors, with customized sizing and configuration options. Locking pulls shall be provided with a 10” clearance from the finished floor on the cylinder side to accommodate wheelchair accessibility.
1. Manufacturers:
    a. Blumcraft (BL).
    b. dormakaba (DO.
    c. Rockwood (RO).

2.6 CYLINDERS AND KEYING

A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.

B. Cylinder Types: Original manufacturer cylinders able to supply the following cylinder formats and types:
1. Threaded mortise cylinders with rings and cams to suit hardware application.
2. Rim cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
3. Tubular deadlocks and other auxiliary locks.
4. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
5. Keyway: New Patented and Restricted Keyway.

C. Large Format Interchangeable Cores: Provide removable cores (LFIC) as specified, core insert, removable by use of a special key, and for use with only the core manufacturer's cylinder and door hardware.

D. Security Cylinders: ANSI/BHMA A156.5, Grade 1 Certified Products Directory (CPD) listed security cylinders and keys able to be used together under the same facility master or grandmaster key system. Cylinders to be factory keyed.
1. New security key systems shall not be established with products that have an expired patent. Expired systems shall only be specified and supplied to support existing systems.
2. Manufacturers:
    a. Corbin Russwin (RU) - Access 3 AS.
    b. Medeco (MC) - X4.
    c. Sargent (SA) - Degree DG2.
    d. Schlage (SC) - Everest 29 SL.

E. Keying System: Each type of lock and cylinders to be factory keyed.
1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
3. New System: Key locks to a new key system as directed by the Owner.

F. Key Quantity: Provide the following minimum number of keys:
   1. Change Keys per Cylinder: Three (3).
   2. Master Keys (per Master Key Level/Group): Five (5).
   3. Construction Keys (where required): Ten (10).
   4. Construction Control Keys (where required): Two (2).
   5. Permanent Control Keys (where required): Two (2).

G. Construction Keying: Provide temporary keyed construction cores.

H. Key Registration List (Bitting List):
   1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
   2. Provide transcript list in writing or electronic file as directed by the Owner.

2.7 KEY CONTROL

A. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project.
   1. Manufacturers:
      a. Lund Equipment (LU).
      b. MMF Industries (MM).
      c. Telkee (TK).

2.8 MORTISE LOCKS AND LATCHING DEVICES

A. Mortise Locksets, Grade 1 (Heavy Duty): Provide ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed mortise locksets. Listed manufacturers shall meet all functions and features as specified herein.
   1. Manufacturers (Full Mortise Case):
      a. Corbin Russwin Hardware (RU) - ML2000 Series.
      b. Sargent Manufacturing (SA) - 8200 Series.
      c. Schlage (SC) - L9000 Series.
   2. Manufacturers (Narrow Mortise Case):
      a. Accurate Lock - 1700/M8700 Series.

2.9 MULTI-POINT LOCKS AND LATCHING DEVICES

A. Multi-Point Locksets: Vertical rod locking devices designed for openings requiring multiple latching points within one locking mechanism. Listed manufacturers shall meet all functions and features as specified herein.
   1. Provide locksets with functions and features as follows:
      a. Where required by code, provide knurling or abrasive coating on all levers leading to hazardous areas.
      b. Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies with levers that meet A117.1 Accessibility Code.
      c. Meets Florida Building Code FL2998 and UL Certification Directory ZHEM.R21744 for latching hardware for hurricane requirements.
   2. Manufacturers:
      a. Corbin Russwin Hardware (RU) - MP9800 Series.
      b. Sargent Manufacturing (SA) - 7000 Series.

2.10 DEADLOCKS AND LATCHES

A. Mortise Deadlocks, Small Case: ANSI/BHMA A156.36, Grade 1, small case mortise type deadlocks constructed of heavy gauge wrought corrosion resistant steel. Steel or stainless steel bolts with a 1" throw and hardened steel roller pins. Deadlocks to be products of the same source manufacturer and keyway as other specified locksets.
   1. Manufacturers:
      a. Corbin Russwin Hardware (RU) - DL4000 Series.
      b. Sargent Manufacturing (SA) - 4870 Series.
      c. Schlage (SC) - L460 Series.

B. Narrow Case Deadlocks and Deadlatches: ANSI/BHMA 156.13 Series 1000 Grade 1 narrow case deadlocks and deadlatches for swinging or sliding door applications. All functions shall be manufactured in a single sized case formed from 12 gauge minimum, corrosion resistant steel (option for fully stainless steel case and components). Provide minimum 2 7/8" throw laminated stainless steel bolt. Bottom rail deadlocks to have 3/8” diameter bolts.
   1. Manufacturers:
      a. Adams Rite Manufacturing (AD) - MS1850S Series.

2.11 LOCK AND LATCH STRIKES

A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
   1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
   2. Custom Lip Strikes: For locks used on doors with overlapping astragals and frames with wood casing trim.
   3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.

B. Standards: Comply with the following:
   1. Strikes for Mortise Locks and Latches: BHMA A156.13.
   2. Strikes for Auxiliary Deadlocks: BHMA A156.36.
   3. Dustproof Strikes: BHMA A156.16.

2.12 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:
   1. Exit devices shall have a five-year warranty.
   2. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
   3. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer’s catalog and template book for specific requirements.
   4. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
   5. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.

6. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.
    a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
    b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.
7. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
8. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2” wide stiles.
9. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
10. Rail Sizing: Provide exit device rails factory sized for proper door width application.
11. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.
12. Hurricane and Storm Shelter Compliance: Devices to be U.L. listed for windstorm assemblies where applicable. Provide the appropriate hurricane or storm shelter products that have been independently third party tested, certified, and labeled to meet state and local windstorm building codes applicable to project.
    a. Meets Florida Building Code FL2998 and UL Certification Directory ZHEM.R21744 for latching hardware for hurricane requirements.

B. Electromechanical Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed exit devices. Listed manufacturers shall meet all functions and features as specified herein.
    1. Electromechanical exit devices shall have the following functions and features:
        a. Universal Molex plug-in connectors that have standardized color-coded wiring and are field configurable in fail safe or fail secure and operate from 12VDC to 24VDC regulated.
        b. Wire routing for all non-access control electromechanical functions.
        c. Options to be available for request-to-exit or enter signaling, latchbolt and touchbar
    1. Manufacturers:
        a. Corbin Russwin Hardware (RU) - PED4000 / PED5000 Series.
        b. Sargent Manufacturing (SA) - PE80 Series.
        c. Von Duprin (VD) - 35A/98 XP Series.

C. Steel Removable Mullions: ANSI/BHMA A156.3 steel removable mullions with options for fire rating, locking, through-wire electrification and hurricane compliance as specified.
    1. Provide mullions with functions and features as follows:
        a. At openings designed for severe wind load conditions due to hurricanes or tornadoes, provide manufacturer’s certified mullion and accessories to meet applicable state and local windstorm codes.
        b. Provide keyed removable feature where specified in the Hardware Sets.
        c. Provide stabilizers and mounting brackets as required.
    2. Manufacturers:
        a. Same as exit device manufacturer.

2.13 SURFACE DOOR CLOSERS

A. All door closers specified herein shall meet or exceed the following criteria:

    1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.

2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
3. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
4. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
5. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.

B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.
1. Heavy duty surface mounted door closers shall have a 30-year warranty.
2. Manufacturers:
    a. Corbin Russwin Hardware (RU) - DC6000 Series.
    b. LCN Closers (LC) - 4040XP Series.
    c. Sargent Manufacturing (SA) - 351 Series.

2.14 ELECTROMECHANICAL DOOR OPERATORS

A. General: Provide low energy operators of size recommended by manufacturer for door size, weight, and movement; for condition of exposure; and for compliance with UL 325. Coordinate operator mechanisms with door operation, hinges, and activation devices.
1. Fire-Rated Doors: Provide door operators for fire-rated door assemblies that comply with NFPA 80 for fire-rated door components and are listed and labeled by a qualified testing agency.

B. Standard: Certified ANSI/BHMA A156.19.

C. Performance Requirements:
1. Opening Force if Power Fails: Not more than 15 lbf required to release a latch if provided, not more than 30 lbf required to manually set door in motion, and not more than 15 lbf required to fully open door.
2. Entrapment Protection: Not more than 15 lbf required to prevent stopped door from closing or opening.

D. Configuration: Surface mounted. Door operators to control single swinging and pair of swinging doors.

E. Operation: Power opening and spring closing operation capable of meeting ANSI A117.1 accessibility guideline.
1. Normal Close Operation: Door can be used as a manual door with no damage to the operator. Closing provided by means of a spring and adjustable tension provided by means of a single screw.
2. Power Assist Operation: Operator can be adjusted to lower the open forces when used manually. Power Assist will be active only while pushing or pulling the door and will allow the door to close when an opening force is no longer applied to the door.

3. Push-Pull-to-Activate programmable feature. Push or pull the door open from any position, and the door will gently power open, time out and slowly close.

F. The swing door package consists of operator housing, swing power operator, electronic control, wire harnesses and connecting hardware.

G. Features: Operator units to have full feature adjustments for door opening and closing force and speed, backcheck, motor assist acceleration from 0 to 30 seconds, time delay, vestibule interface delay, obstruction recycle, and hold open time from 0 up to 30 seconds.

H. Provide on board modules and relays to allow for coordination of exit device latch retraction and blow open operator activation upon signal from the smoke evacuation system.

I. Provide outputs and relays on board the operator to allow for coordination of exit device latch retraction, electric strikes, magnetic locks, card readers, safety and motion sensors and specified auxiliary contacts.

J. Brackets and Reinforcements: Manufacturer's standard, fabricated from aluminum with nonferrous shims for aligning system components.

K. Signage: Provide signage in accordance with ANSI/BHMA A156.19.

L. Manufacturers (Surface/Overhead Concealed Operators): Subject to compliance with requirements, provide products by one of the following:
1. Besam Automated Entrance Systems (BE) - SW200i Series.
2. Horton Automatics (HO) - S4100LE Series.
3. Norton Rixon (NO) - 6000 Series.

M. Manufacturers (Actuator Switches and Bollards): Subject to compliance with requirements, provide products by one of the following:
1. Wikk Industries (WK).
2. BEA Security (BEA).

2.15 ARCHITECTURAL TRIM

A. Door Protective Trim
1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1” LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
3. Where plates are applied to fire rated doors with the top of the plate more than 16” above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer’s catalog and template book for specific requirements for size and applications.
4. Protection Plates: ANSI/BHMA A156.6 protection plates (kick, armor, or mop), fabricated from the following:
    a. Stainless Steel: 300 grade, 050-inch thick.
5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
6. Manufacturers:
    a. Burns Manufacturing (BU).
    b. Rockwood (RO).
    c. Trimco (TC).

2.16 DOOR STOPS AND HOLDERS

A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.

B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
   1. Manufacturers:
      a. Burns Manufacturing (BU).
      b. Rockwood (RO).
      c. Trimco (TC).

C. Overhead Door Stops and Holders: ANSI/BHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
   1. Manufacturers:
      a. Architectural Builders Hardware (AH).
      b. Norton Rixson (RF).
      c. Sargent (SA).

2.17 ARCHITECTURAL SEALS

A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
   1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.

C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
   1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NFPA 252, Standard Methods of Fire Tests of Door Assemblies.

D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.

E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

F. Manufacturers:
   1. Pemko (PE).
   2. Reese Enterprises, Inc. (RE).
   3. Zero (ZE).

2.18 ELECTRONIC ACCESSORIES

A. Door Position Switches (By Security System Provider with Prep by Door Hardware Provider): Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling. Provide DPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.

B. Door Position Switches (By Door Hardware Provider): Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling. Provide DPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.
   1. Manufacturers:
      a. Bosch (BH) - 1076D Series.

C. Linear Power Supplies (By Door Hardware Provider): Provide Nationally Recognized Testing Laboratory Listed 12VDC or 24VDC (field selectable) filtered and regulated power supplies. Include battery backup option with integral battery charging capability in addition to operating the DC load in event of line voltage failure. Provide capability for power distribution, direct locking control, and Fire Alarm Interface (FAI) through add on modules.
   1. Provide the least number of units, at the appropriate amperage level, sufficient to exceed the required total draw for the specified electrified hardware.
   2. Manufacturers:
      a. Altronix (AX) - Maximal 3 Series.
      b. Securitron (SU) - AQD Series.

2.19 FABRICATION

A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.20 FINISHES

A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.

B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware

C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.

B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
   1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.

B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
   1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
   2. DHI TDH-007-20: Installation Guide for Doors and Hardware.
   3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
   4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.

C. Power Operator products and accessories are required to be installed through by supplier of operator products.

D. Push Plates and Door Pulls: When through-bolt fasteners are in the same location as a push plate, countersink the fasteners flush with the door face allowing the push plate to sit flat against the door.

E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."

F. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 FIELD QUALITY CONTROL

A. Field Inspection (Punch Report): Reference Division 01 Sections “Closeout Procedures”. Produce project punch report for each installed door opening indicating compliance with approved submittals and verification hardware is properly installed, operating and adjusted. Include list of items to be completed and corrected, indicating the reasons or deficiencies causing the Work to be incomplete or rejected.
   1. Organization of List: Include separate Door Opening and Deficiencies and Corrective Action Lists organized by Mark, Opening Remarks and Comments, and related Opening Images and Video Recordings.

3.5 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.6 CLEANING AND PROTECTION

A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.

B. Clean adjacent surfaces soiled by door hardware installation.

C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.8 DOOR HARDWARE SETS

A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

B. The door hardware sets are based on described door and hardware applications and may apply to multiple types of doors and locations. The hardware sets should be applied in conjunction with the door schedule, floor plans, and technology drawings for verification of quantities, sizes, materials, types, and applications.

1. The supplier is responsible for verifying product quantities, handing, sizing, and custom options at each pair or single door application.

    a. Hinges: Comply with Section 2.2(A) Hanging Devices for hinge quantities and sizes.

2. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
3. Fire Rated Hardware: If required, revise hardware sets to include the manufacturer's listed fire door hardware and comply with NFPA 80 standards at fire rated openings shown on life safety plans and door schedules.
4. Manufacturer Abbreviations:

    1. MK - McKinney
    2. PE - Pemko
    3. SU - Securitron

4. RO - Rockwood
5. SA - SARGENT
6. AT - Accurate Lock
7. AD - Adams Rite
8. KA - Kaba Ilco
9. RF - Rixson
10. BM - Besam
11. ZE - Zero International
12. BH - Bosch
13. WK - Wikk Industries
14. OT - Other

Hardware Sets

Set: 1.0
Doors: 01.03.06A, 01.31.03A
Description: Pair ALUM - Grand Hall Vestibule (CR, ELR, DPS, ADA, Smoke Evac)

2	Elec Cont Hinge	DFMSLI/SLF-HD1 PT	DK BRZ	PE
2	Electric Power Transfer	EL-CEPT	613E	SU
1	Removable Mullion	L980A	US10B	SA
1	ELR Rim Exit, Exit Only (rex)	55 56 ADPE8510 EO	US10BE	SA
1	ELR Rim Exit, Nightlatch (rex)	DG264 55 56 ADPE8504 Less Pull	US10BE	SA
1	Mullion Cylinder	DG264 980C1	US10B	SA
2	Perm Core	DG2 6300	US4	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
2	Auto Operator - Outswing	SW200i - Outswing Smoke Evac	DKBRZ	BM
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Actuator Switch - Wall	S-4 X 4 -3	US32D	WK
1	Actuator Switch - Vestibule	S-VEST-3LR	US32D	WK
1	Power Supply - Smoke Evac	AQD Series x Battery Backup (amps, relays, as req'd)		SU

Notes: Perimeter seal and astragal by aluminum door provider.
Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system.
2. Access by card reader upon presentation of a valid credential retracting exit device latches. Assisted access by actuator switch signaling exit device latch retraction and auto operator activation. During locked condition, valid card reader presentation required to energize actuator switch to retract exit device latch and activate auto operator.
3. Egress always free by depressing exit device push pad. Assisted egress by vestibule actuator switch signaling exit device latch retraction and auto operator activation.
4. Request to exit switch in push pad signals authorized egress to the access control system.
5. Door position switches monitor open/closed status to the access control system.
6. Exit device latches release (fail secure) during power failure. Mechanical key override entry.

Smoke Evacuation Operation: Combine and provide least number of power supplies for low voltage hardware across the entire bank of Smoke Evac openings.
1. Door position switches to signal door open/closed to the smoke evacuation system.
2. Upon signal from smoke evacuation system exit device latches are electrically retracted and auto door

operators activated to power open doors.
3. Door to remain open until smoke evacuation system is reset.
4. Smoke Evac power supply battery backup provides emergency power for low voltage electrified hardware during power loss.
5. Auto door operators (120V) require backup UPS for activation during power loss.

Set: 2.0
Doors: 01.27.13B, 01.ST-3C
Description: Ext Pair HM - Exit Corr, Stair (CR, ELT, DPS)

2	Elec Continuous Hinge	CFMxxHD1 PT	ALUM	PE
2	Electric Power Transfer	EL-CEPT	630	SU
1	Mullion	HCL980	PC	SA
1	Fail Secure Exit Device	DG264 HC 55 PE8876- NEMD	US32D	SA
1	Elec Rim Exit, Exit Only	HC 55 PE8810 EO	US32D	SA
1	Mullion Cylinder	DG264 980C1	US26D	SA
2	Perm Core	DG2 6300	US15	SA
2	Surf Overhead Stop	9-x36	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18061CNB (both leaves)		PE
1	Rain Guard	346C		PE
1	Mullion Gasketing	5110BL		PE
1	Gasketing (head)	2891APK		PE
2	Gasketing (jambs)	290APK		PE
2	Sweep	315CN		PE
1	Threshold	2005AV		PE
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Install perimeter seal prior to closer, stops, and strikes. Special templating required.
Operation:
1. Doors normally closed and secure.
2. Authorized access by card reader releasing lever trim for predetermined time limit.
3. Request to exit switch in the push pad to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.
5. Exit device trim remains locked (fail secure) in event of power loss. Keyed cylinder override for emergency access.

Set: 3.0
Doors: 01.12.14A, 01.14.05A
Description: Ext Pair ALUM - Player/VIP, Staff Entry (CR, ELR, DPS, ADA)

2	Elec Cont Hinge	DFMSLI/SLF-HD1 PT	DK BRZ	PE
2	Electric Power Transfer	EL-CEPT	613E	SU
1	ELR CVR Exit, Exit Only (rex)	55 56 ADPE8410 EO	US10BE	SA

1	ELR CVR Exit, Nightlatch (rex)	DG264 55 56 ADPE8410 P106	US10BE	SA
1	Perm Core	DG2 6300	US4	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
1	Conc Overhead Stop	1ADJ-x36	613E	RF
1	Surface Closer	351 P10	US10BE	SA
1	Drop Plate	351D	US10BE	SA
1	Blade Stop Kit	581-2	US10BE	SA
1	Auto Operator - Outswing	SW200i - Outswing	DKBRZ	BM
2	Sweep	315DN		PE
1	Threshold	2005AV		PE
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
2	Actuator Switch - Wall	S-4 X 4 -3	US32D	WK
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Perimeter seal and astragal by aluminum door provider.
Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system.
2. Access by card reader upon presentation of a valid credential retracting exit device latches. Assisted access by actuator switch signaling exit device latch retraction and auto operator activation. During locked condition, valid card reader presentation required to energize actuator switch to retract exit device latch and activate auto operator.
3. Egress always free by depressing exit device push pad. Assisted egress by vestibule actuator switch signaling exit device latch retraction and auto operator activation.
4. Request to exit switch in push pad signals authorized egress to the access control system.
5. Door position switches monitor open/closed status to the access control system.
6. Exit device latches release and auto operator power disconnected (fail secure) during power failure. Mechanical key override entry.

Set: 5.0
Doors: 01.22.02C
Description: Ext Sgl HM - Loading Dock Exit (CR, ELT, IC, DPS)

1	Elec Continuous Hinge	CFMxxHD1 PT	ALUM	PE
1	Electric Power Transfer	EL-CEPT	630	SU
1	Fail Secure Exit Device	DG264 HC 55 PE8876- NEMD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Stop	9-x36	630	RF
1	Surface Closer (OHS arm)	351 PD10	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Rain Guard	346C		PE
1	Gasketing (head / jambs)	2891APK		PE
1	Sweep	315CN		PE
1	Threshold	2005AV		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK

1	Card Reader	By Security Provider	OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)	SU
1	Intercom Unit	By Security Provider	OT
1	Power Supply - Low Voltage	By Security Provider	SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Install perimeter seal prior to closer, stops, and strike. Special templating required.
Operation:
1. Door electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Lever locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside push bar.
3. Request to exit switch in push bar to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 6.0
Doors: 01.23.05A
Description: Ext Sgl HM - Security Office CR, EL-NAC, DPS)

1	Elec Continuous Hinge	CFMxxHD1 PT	ALUM	PE
1	Electric Power Transfer	EL-CEPT	630	SU
1	Fail Secure Lock/DL	DG264 NAC-82280- LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 CPS	EN	SA
1	Rain Guard	346C		PE
1	Gasketing (head)	2891APK		PE
2	Gasketing (jambs)	290APK		PE
1	Sweep	315CN		PE
1	Threshold	2005AV		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Install perimeter seal prior to closer. Special templating required.
Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Lockset lock during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside lever.
3. Request to exit switch in lever to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 6.5
Doors: 01.04.11A

Description: Ext Sgl ALUM - Staff Entry (P/P, DL, DPS)

1	Continuous Hinge	DFMSLI/SLF-HD1	DK BRZ	PE
1	Header Bolt	4085-0x-IB	US2G	AD
1	Threshold Bolt	4015-18-IB	603	AD
1	Mortise Deadlock	MS1850S 4089	313	AD
1	Mortise Cylinder	DG264 41 (length, cam, collar as req'd)	US10BE	SA
1	Perm Core	DG2 6300	US4	SA
1	Thumbturn Cylinder	ADA7201	US10B	KA
1	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
1	Push Bar	RM3112 Mtg-Type 6HD	10BE	RO
1	Surface Closer	351 P10	US10BE	SA
1	Drop Plate	351D	US10BE	SA
1	Blade Stop Kit	581-2	US10BE	SA
1	Door Stop	481 (H)	10BE	RO
1	Threshold	2005AV		PE
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Perimeter seal by aluminum door provider.
Operation:
1. Door position switch to signal door open/closed to the access control system.

Set: 7.0
Doors: 01.03.06F, 01.03.06G, 01.03.06H, 01.31.03G, 01.31.03H, 01.31.03I
Description: Ext Pair ALUM - Grand Hall Entrance (ELR - EO, DPS, Smoke Evac)

2	Elec Cont Hinge	DFMSLI/SLF-HD1 PT	DK BRZ	PE
2	Electric Power Transfer	EL-CEPT	613E	SU
1	Removable Mullion	L980A	US10B	SA
2	ELR Rim Exit, Exit Only	56 ADPE8510 EO	US10BE	SA
1	Mullion Cylinder	DG264 980C1	US10B	SA
1	Perm Core	DG2 6300	US4	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
2	Auto Operator - Outswing	SW200i - Outswing Smoke Evac	DKBRZ	BM
2	Sweep	315DN		PE
1	Threshold	2005AV		PE
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Smoke Evac	AQD Series x Battery Backup (amps, relays, as req'd)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Perimeter seal and astragal by aluminum door provider.
Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system.

Smoke Evacuation Operation: Combine and provide least number of low voltage power supplies across the entire bank of Smoke Evac openings.
1. Door position switches to signal door open/closed to the smoke evacuation system.
2. Upon signal from smoke evacuation system exit device latches are electrically retracted and auto door operators activated to power open doors.
3. Door to remain open until smoke evacuation system is reset.
4. Smoke Evac power supply battery backup provides emergency power for low voltage electrified hardware during power loss.
5. Auto door operators (120V) require backup UPS for activation during power loss.

Set: 7.1
Doors: 01.07.01A, 01.09.01A, 01.09.01B, 01.10.01A
Description: Ext Pair ALUM - Ballroom (Panic Exit Only, DPS)

2	Continuous Hinge	DFMSLI/SLF-HD1	DK BRZ	PE
2	CVR Exit, Exit Only	DG264 16 ADPE8410 EO	US10BE	SA
2	Mortise Cylinder	DG264 41 (length, cam, collar as req'd)	US10BE	SA
2	Perm Core	DG2 6300	US15	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
2	Conc Overhead Stop	1ADJ-x36	613E	RF
2	Surface Closer	351 P10	US10BE	SA
2	Drop Plate	351D	US10BE	SA
2	Blade Stop Kit	581-2	US10BE	SA
2	Sweep	315DN		PE
1	Threshold	2005AV		PE
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Perimeter seal and astragal by aluminum door provider.
Operation:
1. Door position switch to signal door open/closed to the access control system.

Set: 7.2
Doors: 01.31.03J
Description: Ext Pair ALUM - Grand Hall Wide Entrance (ELR-EO, DPS, Smoke Evac)

2	Elec Cont Hinge	DFMSLI/SLF-HD1 PT	DK BRZ	PE
2	Electric Power Transfer	EL-CEPT	613E	SU
1	Removable Mullion	L980A	US10B	SA
2	ELR Rim Exit, Exit Only	56 ADPE8510 EO	US10BE	SA
1	Mullion Cylinder	DG264 980C1	US10B	SA
1	Perm Core	DG2 6300	US4	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
2	Auto Operator - Outswing	SW200i - Outswing Smoke Evac	DKBRZ	BM
2	Sweep	315DN		PE
1	Threshold	2005AV		PE
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

1	Power Supply - Smoke Evac	AQD Series x Battery Backup (amps, relays, as req'd)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Perimeter seal and astragal by aluminum door provider.
Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system.
2. Egress always free by depressing exit device push pad.

Smoke Evacuation Operation: Combine and provide least number of low voltage power supplies across the entire bank of Smoke Evac openings.
1. Door position switches to signal door open/closed to the smoke evacuation system.
2. Upon signal from smoke evacuation system exit device latches are electrically retracted and auto door operators activated to power open doors.
3. Door to remain open until smoke evacuation system is reset.
4. Smoke Evac power supply battery backup provides emergency power for low voltage electrified hardware during power loss.
5. Auto door operators (120V) require backup UPS for activation during power loss.

Set: 8.0
Doors: 01.03.06E, 01.31.03F
Description: Ext Pair ALUM - Grand Hall Entrance (ELR, DPS, ADA, Smoke Evac)

2	Elec Cont Hinge	DFMSLI/SLF-HD1 PT	DK BRZ	PE
2	Electric Power Transfer	EL-CEPT	613E	SU
1	Removable Mullion	L980A	US10B	SA
1	ELR Rim Exit, Exit Only	56 ADPE8510 EO	US10BE	SA
1	ELR Rim Exit, Nightlatch	DG264 56 ADPE8504 Less Pull	US10BE	SA
1	Mullion Cylinder	DG264 980C1	US10B	SA
1	Mortise Cylinder	DG264 41 (length, cam, collar as req'd)	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Perm Core	DG2 6300	US4	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
2	Auto Operator - Outswing	SW200i - Outswing Smoke Evac	DKBRZ	BM
2	Sweep	315DN		PE
1	Threshold	2005AV		PE
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Actuator Switch - Wall	S-4 X 4 -3	US32D	WK
1	Actuator Switch - Vestibule	S-VEST-3LR	US32D	WK
1	Keyswitch	MKA(N)xx (as req'd)		SU
1	Power Supply - Smoke Evac	AQD Series x Battery Backup (amps, relays, as req'd)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Perimeter seal and astragal by aluminum door provider.
Operation:

1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. Keyed cylinder override for emergency access.
2. Assisted access by actuator switch signaling exit device latch retraction and auto operator activation.
3. Egress always free by depressing exit device push pad. Assisted egress by actuator switch signaling exit device latch retraction and auto operator activation.
4. During locked condition, Keyswitch control deactivates exterior actuator switch.

Smoke Evacuation Operation: Combine and provide least number of low voltage power supplies across the entire bank of Smoke Evac openings.
1. Door position switches to signal door open/closed to the smoke evacuation system.
2. Upon signal from smoke evacuation system exit device latches are electrically retracted and auto door operators activated to power open doors.
3. Door to remain open until smoke evacuation system is reset.
4. Smoke Evac power supply battery backup provides emergency power for low voltage electrified hardware during power loss.
5. Auto door operators (120V) require backup UPS for activation during power loss.

Set: 9.0
Doors: 02.04.04B, 02.12.03B, 02.27.06B, 02.29.05B
Description: Ext Pair ALUM - Roof Top Terrace Exit (Inswing Panic, DPS)

2	Continuous Hinge	DFMSLI/SLF-HD1	DK BRZ	PE
2	CVR Exit, Passage	ADPE8415 NEMD	US10BE	SA
2	Conc Overhead Stop	1ADJ-x36	613E	RF
2	Surface Closer	351 P10	US10BE	SA
2	Drop Plate	351D	US10BE	SA
2	Sweep	315DN		PE
1	Threshold (6" solid flat)	2716A		PE
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Perimeter seal and astragal by aluminum door provider. Install door sweep on interior side of door flush with threshold.
Operation:
1. Door position switch to signal door open/closed to the access control system.

Set: 10.0
Doors: 01.28.10
Description: Ext Single ALUM - Box Office/Ticket Vestibule (ELR. DPS. ADA)

1	Elec Cont Hinge	DFMSLI/SLF-HD1 PT	DK BRZ	PE
1	Electric Power Transfer	EL-CEPT	613E	SU
1	ELR Rim Exit, Nightlatch	DG264 56 ADPE8504 Less Pull	US10BE	SA
1	Mortise Cylinder	DG264 41 (length, cam, collar as req'd)	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
1	Auto Operator - Outswing	SW200i - Outswing	DKBRZ	BM
1	Sweep	315DN		PE
1	Threshold	2005AV		PE
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

2	Actuator Switch - Wall	S-4 X 4 -3	US32D	WK
1	Keyswitch	MKA(N)xx (as req'd)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Perimeter seal by aluminum door provider.
Operation:
1. Door electrically unlocked or locked during established time zones as programmed by the access control system.
2. Assisted access by actuator switch signaling exit device latch retraction and auto operator activation.
3. Egress always free by depressing exit device push pad. Assisted egress by actuator switch signaling exit device latch retraction and auto operator activation.
4. Door position switch monitor open/closed status to the access control system.
5. Exit device latch releases and auto operator power disconnected (fail secure) during power failure. Mechanical key override entry.
6. During locked condition, Keyswitch control deactivates exterior actuator switch.

Set: 11.0
Doors: 01.07.03A
Description: Ext Sgl ALUM - Ballroom Exit (Panic EO, DPS)

1	Continuous Hinge	DFMSLI/SLF-HD1	DK BRZ	PE
1	CVR Exit, Exit Only	DG264 16 ADPE8410 EO	US10BE	SA
1	Perm Core	DG2 6300	US4	SA
1	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
1	Conc Overhead Stop	1ADJ-x36	613E	RF
1	Surface Closer	351 P10	US10BE	SA
1	Drop Plate	351D	US10BE	SA
1	Blade Stop Kit	581-2	US10BE	SA
1	Sweep	315DN		PE
1	Threshold	2005AV		PE
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Perimeter seal by aluminum door provider.
Operation:
1. Door position switch to signal door open/closed to the access control system.

Set: 12.0
Doors: 02.10.03B
Description: Ext Sgl ALUM - Roof Top Terrace Exit (Inswing Panic, DPS)

1	Continuous Hinge	DFMSLI/SLF-HD1	DK BRZ	PE
1	CVR Exit, Passage	ADPE8415 NEMD	US10BE	SA
1	Conc Overhead Stop	1ADJ-x36	613E	RF
1	Surface Closer	351 O	US10BE	SA
1	Sweep	315DN		PE
1	Threshold (6" solid flat)	2716A		PE

1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)	SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Perimeter seal by aluminum door provider.
Operation:
1. Door position switch to signal door open/closed to the access control system.

Set: 13.0
Doors: 01.03.06B, 01.03.06C, 01.03.06D, 01.31.03B, 01.31.03C, 01.31.03D
Description: Pair ALUM - Grand Hall Vestibule - (ELR-RX, DPS, Smoke Evac)

2	Elec Cont Hinge	DFMSLI/SLF-HD1 PT	DK BRZ	PE
2	Electric Power Transfer	EL-CEPT	613E	SU
1	Removable Mullion	L980A	US10B	SA
2	ELR Rim Exit, Exit Only (rex)	55 56 ADPE8510 EO	US10BE	SA
1	Mullion Cylinder	DG264 980C1	US10B	SA
1	Perm Core	DG2 6300	US4	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
2	Auto Operator - Outswing	SW200i - Outswing Smoke Evac	DKBRZ	BM
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Smoke Evac	AQD Series x Battery Backup (amps, relays, as req'd)		SU

Notes: Perimeter seal and astragal by aluminum door provider.
Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system.
2. Egress always free by depressing exit device push pad.
3. Request to exit switch in push bar to signal authorized egress to the access control system.
4. Door position switches monitor open/closed status to the access control system.

Smoke Evacuation Operation: Combine and provide least number of low voltage power supplies across the entire bank of Smoke Evac openings.
1. Door position switches to signal door open/closed to the smoke evacuation system.
2. Upon signal from smoke evacuation system exit device latches are electrically retracted and auto door operators activated to power open doors.
3. Door to remain open until smoke evacuation system is reset.
4. Smoke Evac power supply battery backup provides emergency power for low voltage electrified hardware during power loss.
5. Auto door operators (120V) require backup UPS for activation during power loss.

Set: 13.1
Doors: 01.31.03E
Description: Pair ALUM - Grand Hall Wide Vestibule (ELR-RX, DPS, Smoke Evac)

2	Elec Cont Hinge	DFMSLI/SLF-HD1 PT	DK BRZ	PE
2	Electric Power Transfer	EL-CEPT	613E	SU
1	Removable Mullion	L980A	US10B	SA
2	ELR Rim Exit, Exit Only (rex)	55 56 ADPE8510 EO	US10BE	SA

1	Mullion Cylinder	DG264 980C1	US10B	SA
1	Mortise Cylinder	DG264 41 (length, cam, collar as req'd)	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Perm Core	DG2 6300	US4	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
2	Auto Operator - Outswing	SW200i - Outswing Smoke Evac	DKBRZ	BM
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Keyswitch	MKA(N)xx (as req'd)		SU
1	Power Supply - Smoke Evac	AQD Series x Battery Backup (amps, relays, as req'd)		SU

Notes: Perimeter seal and astragal by aluminum door provider.
Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system.
2. Egress always free by depressing exit device push pad.
3. Request to exit switch in push bar to signal authorized egress to the access control system.
4. Door position switches monitor open/closed status to the access control system.
5. Keyswitch controls hold open function for both the exterior and vestibule auto operators for movement of material.

Smoke Evacuation Operation: Combine and provide least number of low voltage power supplies across the entire bank of Smoke Evac openings.
1. Door position switches to signal door open/closed to the smoke evacuation system.
2. Upon signal from smoke evacuation system exit device latches are electrically retracted and auto door operators activated to power open doors.
3. Door to remain open until smoke evacuation system is reset.
4. Smoke Evac power supply battery backup provides emergency power for low voltage electrified hardware during power loss.
5. Auto door operators (120V) require backup UPS for activation during power loss.

Set: 14.0
Doors: 02.04.04A, 02.12.03A, 02.27.06A, 02.29.05A
Description: Pair ALUM - Roof Top Terrace Vestibule (Panic Classroom)

2	Continuous Hinge	DFMSLI/SLF-HD1	DK BRZ	PE
2	CVR Exit, Classroom	DG264 ADPE8413 NEMD	US10BE	SA
2	Perm Core	DG2 6300	US4	SA
2	Conc Overhead Stop	1ADJ-x36	613E	RF
2	Surface Closer	351 P10	US10BE	SA
2	Drop Plate	351D	US10BE	SA
2	Blade Stop Kit	581-2	US10BE	SA
2	Sweep	315DN		PE

Notes: Perimeter seal and astragal by aluminum door provider.

Set: 15.0
Doors: 01.27.10, 01.ST-1C, 01.ST-2A, 01.ST-2B, 01.ST-3D, 01-ST1D
Description: Ext Pair HM - Stair Core (Panic EO, REX, DPS)

2	Elec Continuous Hinge	CFMxxHD1 PT	ALUM	PE
2	Electric Power Transfer	EL-CEPT	630	SU

1	Mullion	HCL980	PC	SA
2	Elec Rim Exit, Exit Only	HC 55 PE8810 EO	US32D	SA
1	Mullion Cylinder	DG264 980C1	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Stop	9-x36	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18041CNB (both leaves)		PE
1	Rain Guard	346C		PE
1	Mullion Gasketing	5110BL		PE
1	Gasketing (head)	2891APK		PE
2	Gasketing (jambs)	290APK		PE
2	Sweep	315CN		PE
1	Threshold	2005AV		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Install perimeter seal prior to closer, stops, and strikes. Special templating required.
Operation:
1. Door position switch to signal door open/closed to the access control system.
2. Request to exit switch in push bar to signal authorized egress to the access control system.

Set: 16.0
Doors: 01.01.03M
Description: Ext Pair HM - Refrigeration (Panic NL, DPS)

2	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Mullion	HCL980	PC	SA
1	Rim Exit, Exit Only	HC PE8810 EO	US32D	SA
1	Rim Exit, Storeroom	DG264 HC PE8804 NEMD	US32D	SA
1	Mullion Cylinder	DG264 980C1	US26D	SA
2	Perm Core	DG2 6300	US15	SA
2	Surf Overhead Hold Open	9-x26	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18061CNB (both leaves)		PE
1	Rain Guard	346C		PE
1	Mullion Gasketing	5110BL		PE
1	Gasketing (head)	2891APK		PE
2	Gasketing (jambs)	290APK		PE
2	Sweep	315CN		PE
1	Threshold	2005AV		PE
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Install perimeter seal prior to closer and strikes. Special templating required.
Operation:
1. Door position switch to signal door open/closed to the access control system.

Set: 17.0
Doors: 02.01.04, 04.21.01A, 04.21.01B
Description: Ext Pair HM - Roof Access (Outswing, Storeroom , DPS)

2	Continuous Hinge	CFMxxSLF-HD1	ALUM	PE
2	Surface Bolt	988	SA	
1	Storeroom Lock	DG264 7/8" Lip Length 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
2	Surface Closer	351 CPS	EN	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Astragal	43SP (paint to match door)		ZE
1	Rain Guard	346C		PE
1	Gasketing (head)	2891APK		PE
2	Gasketing (jambs)	290APK		PE
2	Sweep	315CN		PE
1	Threshold	2005AV		PE
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Install keyed cylinder on interior side of opening. Install perimeter seal prior to closer. Special templating required. Mount astragal on pull side of active leaf and size doors for 1/8" clearance between leaves.
Operation:
1. Door position switch to signal door open/closed to the access control system.

Set: 18.0
Doors: 01.06.06, 01.27.12
Description: Ext Pair HM - Fire Water (Outswing, Entry, DPS)

2	Continuous Hinge	CFMxxHD1	ALUM	PE
2	Surface Bolt	988	SA	
1	Dormitory/Exit Lock	LB DG264 7/8" Lip Length 8245 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
2	Surf Overhead Hold Open	9-x26	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Astragal	43SP (paint to match door)		ZE
1	Rain Guard	346C		PE
1	Gasketing (head)	2891APK		PE
2	Gasketing (jambs)	290APK		PE
2	Sweep	315CN		PE
1	Threshold	2005AV		PE
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Install perimeter seal prior to closer. Special templating required. Install astragal on pull side of active leaf and size doors for no more than 1/8" gap clearance between doors.
Operation:
1. Door position switch to signal door open/closed to the access control system

Set: 19.0
Doors: 01.22.02
Description: Ext Sgl HM - Receiving (CR, ELT, DPS)

1	Elec Continuous Hinge	CFMxxHD1 PT	ALUM	PE
1	Electric Power Transfer	EL-CEPT	630	SU
1	Fail Secure Exit Device	DG264 HC 55 PE8876- NEMD	US32D	SA
1	Surf Overhead Stop	9-x36	630	RF
1	Surface Closer (OHS arm)	351 PD10	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Rain Guard	346C		PE
1	Gasketing (head / jambs)	2891APK		PE
1	Sweep	315CN		PE
1	Threshold	2005AV		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Install perimeter seal at head and jamb prior to closer, stop, and strike. Special templating required.
Operation:
1. Door electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Lever mechanically locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing push pad.
3. Request to exit switch in push pad to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 20.0
Doors: 01.28.07B
Description: Ext Sgl HM - Chiller (Panic NL, DPS)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Rim Exit, Storeroom	DG264 HC PE8804 NEMD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Stop	9-x36	630	RF
1	Surface Closer (OHS arm)	351 PD10	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Rain Guard	346C		PE
1	Gasketing (head / jambs)	2891APK		PE
1	Sweep	315CN		PE
1	Threshold	2005AV		PE

1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Install perimeter seal prior to closer and strike. Special templating required.
Operation:
1. Door position switch to signal door open/closed to the access control system.

Set: 21.0
Doors: 02.12.03C, 03.01.05, 04.00.00A, 04.00.00B
Description: Ext Sgl HM - Roof Access (Outswing Storeroom, DPS)

1	Continuous Hinge	CFMxxSLF-HD1	ALUM	PE
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 CPS	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Rain Guard	346C		PE
1	Gasketing (head)	2891APK		PE
1	Gasketing (jambs)	290APK		PE
1	Sweep	315CN		PE
1	Threshold	2005AV		PE
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU

Notes: Exterior doors are required to meet applicable standards for windstorm. The hardware set listed is a basis of design guideline. Supplier to verify hardware is compliant with an approved manufacturer's frame and door assembly listing.

Install keyed cylinder on interior side of opening. Install perimeter seal prior to closer. Special templating required.
Operation:
1. Door position switch to signal door open/closed to the access control system.

Set: 22.0
Doors: 01.28.09
Description: Sgl ALUM - Box Office (CR, EL, DPS)

1	Elec Cont Hinge	DFMSLI/SLF-HD1 PT	DK BRZ	PE
1	Electric Power Transfer	EL-CEPT	613E	SU
1	Fail Secure Lock	M8759E-AE-21L-1R WBS (size stk as req'd)	DURO	AT
1	Mortise Cylinder	DG264 41 (length, cam, collar as req'd)	US10BE	SA
1	Perm Core	DG2 6300	US4	SA
1	Conc Overhead Stop	1ADJ-x36	613E	RF
1	Surface Closer	351 P10	US10BE	SA
1	Drop Plate	351D	US10BE	SA
1	Blade Stop Kit	581-2	US10BE	SA
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Perimeter seal by aluminum door provider.
Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Lockset mechanically locks during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside lever.
3. Request to exit switch in lever to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 22.1
Doors: 01.29.04A
Description: Sgl ALUM - Team Store (CR, ELR, DPS, ADA)

1	Elec Cont Hinge	DFMSLI/SLF-HD1 PT	DK BRZ	PE
1	Electric Power Transfer	EL-CEPT	613E	SU
1	ELR Rim Exit, Nightlatch (rex)	DG264 55 56 ADPE8504 Less Pull	US10BE	SA
1	Perm Core	DG2 6300	US4	SA
1	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
1	Auto Operator - Outswing	SW200i - Outswing	DKBRZ	BM
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
2	Actuator Switch	S-4 x 4-3/NARR-3 (as req'd)	US32D	WK
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Perimeter seal by aluminum door provider.
Operation:
1. Door electrically unlocked or locked during established time zones as programmed by the access control system.
2. Access by card reader upon presentation of a valid credential retracting exit device latch. Assisted access by actuator switch signaling exit device latch retraction and auto operator activation. During locked condition, valid card reader presentation required to energize actuator switch to retract exit device latch and activate auto operator.
3. Egress always free by depressing exit device push pad. Assisted egress by actuator switch signaling exit device latch retraction and auto operator activation.
4. Request to exit switch in push pad signals authorized egress to the access control system.
5. Door position switch monitor open/closed status to the access control system.
6. Exit device latch releases and auto operator power disconnected (fail secure) during power failure. Mechanical key override entry.

Set: 23.0
Doors: 01.05.10, 01.28.05
Description: Sgl Rated HM - Main Elec Rm (CR, ELT, DPS)

2	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Electric Power Transfer	EL-CEPT	630	SU
1	Fail Secure Exit Device	DG264 12 55 PE8876- NEMD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 CPS	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE

1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Lever mechanically locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing push pad.
3. Request to exit switch in push pad to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 24.0
Doors: 01.29.02
Description: Sgl Rated HM - MDF (Inswing CR, EL, DPS)

2	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Hinge, Full Mortise, Hvy Wt	T4A3786 QCxx 4-1/2" x 4-1/2"	US26D	MK
1	Fail Secure Lock	DG264 RX 8271- LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Locksets mechanically locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside lever.
3. Request to exit switch in lever to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 25.0
Doors: 01.27.13A
Description: Sgl Rated HM - Utility Vestibule (Outswing CR, EL, DPS)

2	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Hinge, Full Mortise, Hvy Wt	T4A3786 QCxx 5" x 4-1/2"	US26D	MK
1	Fail Secure Lock	DG264 RX 8271- LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 CPS	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Locksets mechanically locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside lever.
3. Request to exit switch in lever to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 26.0
Doors: 01.13.06C, 01.20.05
Description: Pair HM - Service/Team Corridor (CR, ELR, DPS)

2	Elec Continuous Hinge	BSPFMxxHD1 PT	BSP	PE
2	Electric Power Transfer	EL-CEPT	BSP	SU
1	ELR CVR Exit, Exit Only	NB 55 56 MDPE8610 EO	BSP	SA
1	ELR CVR Exit, Nightlatch	DG264 NB 55 56 MDPE8610 P106	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	BSP	RO
2	Surf Overhead Stop	9-x36	BSP	RF
2	Surface Closer (OHS arm)	351 PD10	BSP	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
2	Astragal	18041BSPNB (both leaves)		PE
1	Gasketing	S88BL		PE
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When devices are locked the card reader grants access upon presentation of a valid credential. Exit devices mechanically locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside push bar.
3. Request to exit switch in push bar to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 27.0
Doors: 01.22.02A, 01.22.02B
Description: Pair HM - Service Corridor (Panic Classroom)

2	Continuous Hinge	CFMxxHD1	ALUM	PE
2	CVR Exit, Classroom	DG264 NB MDPE8613 NEMD	US32D	SA
2	Perm Core	DG2 6300	US15	SA
2	Surf Overhead Hold Open	9-x26	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE

Set: 28.0
Doors: 01.26.01, 01.26.02C

Description: Pair HM - Main Kitchen, Service Corridor (CR, ELR, DPS)

2	Elec Continuous Hinge	CFMxxHD1 PT	ALUM	PE
2	Electric Power Transfer	EL-CEPT	630	SU
1	ELR CVR Exit, Exit Only	NB 55 56 MDPE8610 EO	US32D	SA
1	ELR CVR Exit, Nightlatch	DG264 NB 55 56 MDPE8610 P106	US32D	SA
1	Perm Core	DG2 6300	US15	SA
2	Surf Overhead Hold Open	9-x26	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE
2	Sweep	315CN		PE
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When devices are locked the card reader grants access upon presentation of a valid credential. Exit devices mechanically locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside push bar.
3. Request to exit switch in push bar to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 29.0
Doors: 01.15.06C
Description: Sgl HM - Home Locker Rm Corridor (CR, ELR, DPS)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	BSP	MK
1	Electric Power Transfer	EL-CEPT	BSP	SU
1	ELR Rim Exit, Nightlatch	DG264 55 56 PE8804 Less Pull	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	BSP	RO
1	Surface Closer	351 P10	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall/Door Stop	406/481(H) as req'd	BSP	RO
1	Gasketing	S88BL		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors normally closed and secure.
2. Authorized access by card reader retracting exit device latch for predetermined time limit. Exit device latch can be electrically held retracted for open access.
3. Request to exit switch in the push pad to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

5. Exit device latch releases (fail secure) in event of power loss. Keyed cylinder override for emergency access.

Set: 30.0
Doors: 01.28.02B
Description: Sgl HM - Box Office (Outswing CR, EL, DPS)

2	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Hinge, Full Mortise, Hvy Wt	T4A3786 QCxx 4-1/2" x 4-1/2"	US26D	MK
1	Fail Secure Lock	DG264 RX 8271- LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 P10	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Locksets mechanically locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside lever.
3. Request to exit switch in lever to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 31.0
Doors: 01.20.02B
Description: Sgl HM - Officials Meeting Rm (Outswing CR, El, DPS)

2	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	BSP	MK
1	Hinge, Full Mortise, Hvy Wt	T4A3786 QCxx 4-1/2" x 4-1/2"	BSP	MK
1	Fail Secure Lock	DG264 RX 8271- LNMD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Surface Closer	351 P10	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall/Door Stop	406/481(H) as req'd	BSP	RO
1	Gasketing	S88BL		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes:
Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Locksets mechanically locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside lever.

3. Request to exit switch in lever to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 32.0
Doors: 01.31.01B
Description: Sgl Rated HM - Video Production (Outswing CR, EL, DPS, Seals)

2	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Hinge, Full Mortise, Hvy Wt	T4A3786 QCxx 4-1/2" x 4-1/2"	US26D	MK
1	Fail Secure Lock	DG264 RX 8271- LNMD	US26D	SA
1	Surface Closer	351 P10	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S44BL		PE
1	Sound Gasketing	870AA (head x jambs)		ZE
1	Closer Bracket	870SPB		ZE
1	Auto Door Bottom	369AA Z49-PL		ZE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Install sound seal gaskets before mounting closer arm.
Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Locksets mechanically locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside lever.
3. Request to exit switch in lever to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 33.0
Doors: 01.04.04
Description: Sgl WD - Reception (Inswing CR, EL, DPS)

2	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Hinge, Full Mortise, Hvy Wt	T4A3786 QCxx 4-1/2" x 4-1/2"	US26D	MK
1	Fail Secure Lock	DG264 RX 8271 E3MD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall Stop	RM867	US15	RO
1	Gasketing	S88BL		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid

credential. Locksets mechanically lock during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside lever.
3. Request to exit switch in lever to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 33.1
Doors: 01.28.08
Description: Sgl HM - Box Office (Inswing CR, EL, DPS)

2	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Hinge, Full Mortise, Hvy Wt	T4A3786 QCxx 4-1/2" x 4-1/2"	US26D	MK
1	Fail Secure Lock	DG264 RX 8271- LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Locksets mechanically lock during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside lever.
3. Request to exit switch in lever to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 34.0
Doors: 01.26.02A
Description: Sgl HM - Main Kitchen (Inswing CR, EL, DPS)

1	Elec Continuous Hinge	CFMxxHD1 PT	ALUM	PE
1	Electric Power Transfer	EL-CEPT	630	SU
1	Fail Secure Lock	DG264 RX 8271- LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE
1	Sweep	315CN		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Install sweep on interior side of opening.
Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access

control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Locksets mechanically locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside lever.
3. Request to exit switch in lever to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 36.0
Doors: 01.29.04
Description: Pair ALUM - Team Store - (Outswing P/P, DL)

2	Continuous Hinge	DFMSLI/SLF-HD1	DK BRZ	PE
1	Header Bolt	4085-0x-IB	US2G	AD
1	Threshold Bolt	4015-18-IB	603	AD
1	Dust Proof Strike	570	10BE	RO
1	Mortise Deadlock	MS1850S 4089	313	AD
1	Lever	4550-XX	121	AD
1	Mortise Cylinder	DG264 41 (length, cam, collar as req'd)	US10BE	SA
1	Perm Core	DG2 6300	US4	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
2	Push Bar	RM3112 Mtg-Type 6HD	10BE	RO
2	Conc Overhead Stop	1ADJ-x36	613E	RF
2	Surface Closer	351 P10	US10BE	SA
2	Drop Plate	351D	US10BE	SA

Notes: Perimeter seal and astragal by door provider.

Set: 37.0 (NOT USED)

Set: 38.0
Doors: 01.31.01A
Description: Sgl ALUM - Production Rack Rm (Outswing Class, Seals)

1	Continuous Hinge	CFMxxSLF-HD1	ALUM	PE
1	Classroom Lock	1745-21L-1R WBS (size stk as req'd)	US26D	AT
1	Mortise Cylinder	DG264 41 (length, cam, collar as req'd)	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 CPS	EN	SA
1	Drop Plate	351D	EN	SA
1	Blade Stop Kit	581-2	EN	SA
1	Auto Door Bottom	3551		ZE

Notes: Perimeter sound seal by door manufacturer.

Set: 39.0
Doors: 01.31.03L
Description: Pair WD - Grand Hall Corridor (ELR, DPS, Smoke Evac)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
2	Electric Power Transfer	EL-CEPT	630	SU
2	ELR SVR Exit, Exit Only	55 56 NBPE8710 EO	US32D	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	US32D	RO
2	Auto Operator - Outswing	SW200i - Smoke Evac - Full Header	ALUM	BM
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO

2	Astragal	18041CNB (both leaves)	PE
1	Gasketing	S88BL	PE
2	Wiring Harness (transfer/door)	QC-Cxxx	MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP	MK
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)	SU
1	Power Supply - Smoke Evac	AQD Series x Battery Backup (amps, relays, as req'd)	SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system.
2. Request to exit switch in push bar to signal authorized egress to the access control system.
3. Door position switches monitor open/closed status to the access control system.

Smoke Evacuation Operation:
1. Door position switches to signal door open/closed to the smoke evacuation system.
2. Upon signal from smoke evacuation system exit device latches are electrically retracted and auto door operators activated to power open doors.
3. Door to remain open until smoke evacuation system is reset.
4. Smoke Evac power supply battery backup provides emergency power for low voltage electrified hardware during power loss.
5. Auto door operators (120V) require backup UPS for activation during power loss.

Set: 40.0
Doors: 01.31.03M
Description: Pair WD - Grand Hall Corridor (CR, ELR, DPS, Smoke Evac)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
2	Electric Power Transfer	EL-CEPT	630	SU
1	ELR SVR Exit, Nightlatch	DG264 55 56 NBPE8710 P306	US32D	SA
1	ELR SVR Exit, Exit Only	55 56 NBPE8710 EO	US32D	SA
1	Perm Core	DG2 6300	US15	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	US32D	RO
2	Auto Operator - Outswing	SW200i - Smoke Evac - Full Header	ALUM	BM
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU
1	Power Supply - Smoke Evac	AQD Series x Battery Backup (amps, relays, as req'd)		SU
1	Power Supply	By Security Provider (ACS devices)		OT

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system.
2. Access by card reader upon presentation of a valid credential retracting exit device latches.
3. Request to exit switch in the push pad to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.
5. Keyed cylinder override for emergency access.

Smoke Evacuation Operation:

1. Door position switches to signal door open/closed to the smoke evacuation system.
2. Upon signal from smoke evacuation system exit device latches are electrically retracted and auto door operators activated to power open doors.
3. Door to remain open until smoke evacuation system is reset.
4. Smoke Evac power supply battery backup provides emergency power for low voltage electrified hardware during power loss.
5. Auto door operators (120V) require backup UPS for activation during power loss.

Set: 41.0
Doors: 01.21.08
Description: Pair Rated HM Emerg Elec (Panic Storeroom)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Mullion	12-L980	PC	SA
1	Rated Rim Exit, Exit Only	12 PE8810 EO	US32D	SA
1	Rated Rim Exit, Storeroom	DG264 12 PE8804 NEMD	US32D	SA
1	Mullion Cylinder	DG264 980C1	US26D	SA
2	Perm Core	DG2 6300	US15	SA
2	Surface Closer	351 CPS	EN	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Astragal	18041CNB (both leaves)		PE
1	Mullion Gasketing	5110BL		PE
1	Gasketing	S88BL		PE

Set: 42.0
Doors: 01.ST-1A, 01.ST-1B, 01.ST-2C, 01.ST-2D, 02.01.04A, 02.01.04B, 02.ST-1A, 02.ST-1B, 02.ST-2A, 02.ST-2B, 02.ST-4A, 02.ST-4B
Description: Pair Rated WD - Stair Core (Wide Inswing Panic Passage, OHS)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D	MK
2	Rated SVR Exit, Passage	12 NBPE8715 NEMD	US32D	SA
2	Surf Overhead Stop	9-x36	630	RF
2	Surface Closer	351 O	EP	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE

Set: 43.0
Doors: 01.ST-3B, 01.ST-4A, 01.ST-4B, 03.01.03B, 03.01.03C, 03.14.02C
Description: Pair Rated WD - Stair Core (Inswing Panic Passage, OHS)

6	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
2	Rated SVR Exit, Passage	12 NBPE8715 NEMD	US32D	SA
2	Surf Overhead Stop	9-x36	630	RF
2	Surface Closer	351 O	EP	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE

Set: 44.0
Doors: 03.03.02C, 03.03.02D, 03.03.02E, 03.03.02F
Description: Pair Rated WD - Loge Stair Core - (Inswing Panic Passage, OHS)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US10	MK
2	Rated SVR Exit, Passage	12 NBPE8715 NEMD	US10	SA
2	Surf Overhead Hold Open	9-x26	691	RF
2	Surface Closer	351 O	EP	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US10	RO
1	Meeting Stile	369GP		PE
1	Gasketing	S88BL		PE

Set: 45.0
Doors: 01.12.08A, 01.21.10
Description: Sgl Rated HM - Emerg Elec (Panic Storeroom)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Rated Rim Exit, Storeroom	DG264 12 PE8804 NEMD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 P10	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Floor Stop	481(H)	US26D	RO
1	Gasketing	S88BL		PE

Set: 46.0
Doors: 01.23.01, 01.26.05A, 01.27.09, 01.29.01
Description: Sgl Rated HM - Show Power, Refrigeration (Wide Panic Storeroom, OHS)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Rated Rim Exit, Storeroom	DG264 12 PE8804 NEMD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Stop	9-x36	630	RF
1	Surface Closer (OHS arm)	351 PD10	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE

Set: 47.0
Doors: 01.12.08B
Description: Sgl Rated HM - Main Elec Rm (Wide Panic Storeroom)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Rated Rim Exit, Storeroom	DG264 12 PE8804 NEMD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 P10	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 49.0
Doors: 01.26.06A
Description: Sgl Rated HM - Maintenance/OPS (Inswing Storeroom)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO

1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE
1	Sweep	315CN		PE
1	Threshold (6" solid flat)	2716A		PE

Notes: Install sweep on interior side of opening flush with threshold.

Set: 50.0
Doors: 01.21.09, 01.27.08, 02.21.02, 02.27.03, 03.12.01, 03.21.05
Description: Sgl Rated HM - TR , Elev Control (Wide Inswing Storeroom)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 51.0
Doors: 01.27.11, 03.27.01
Description: Sgl Rated HM - TR - (Wide Inswing Storeroom)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 52.0
Doors: 02.11.03, 04.22.01
Description: Sgl Rated HM - TR, Elev Control (Wide Inswing Storeroom OHS)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Stop	9-x36	630	RF
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE

Set: 53.0
Doors: 04.ST-3
Description: Sgl Rated HM - Catwalk Access (Wide Outswing Storeroom)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 CPS	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE

1	Sweep	315CN		PE

Notes: Install keyed cylinder on stair side of opening.

Set: 54.0
Doors: 02.06.03, 02.11.02, 02.21.01, 02.28.01, 03.06.01, 03.11.01, 03.28.01
Description: Sgl Rated HM - TR, QE (Wide Outswing Storeroom)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 P10	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 55.0
Doors: 01.06.03, 01.12.03A, 01.30.01
Description: Sgl Rated HM - TR, DAS, Elev Control (Outswing Storeroom CPS)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 CPS	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE

Set: 56.0
Doors: 01.22.05, 02.05.02, 03.05.02, 03.21.04
Description: Sgl Rated HM - Elev Control, QE (Wide Outswing, Storeroom CPS)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 CPS	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE

Set: 57.0
Doors: 01.12.09
Description: Sgl Rated HM - TR (Wide Inswing Storeroom OHS)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Stop	9-x36	630	RF
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE

Set: 58.0
Doors: 01.15.07B, 01.16.04B
Description: Pair HM - Aux Locker (CR, ELR, DPS)

2	Elec Continuous Hinge	BSPFMxxHD1 PT	BSP	PE
2	Electric Power Transfer	EL-CEPT	BSP	SU
1	ELR CVR Exit, Exit Only	NB 55 56 MDPE8610 EO	BSP	SA
1	ELR CVR Exit, Nightlatch	DG264 NB 55 56 MDPE8610 P106	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	BSP	RO
2	Surface Closer	351 P10	BSP	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
2	Wall/Door Stop	406/481(H) as req'd	BSP	RO
1	Astragal	18041BSPNB (both leaves)		PE
1	Gasketing	S88BL		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When devices are locked the card reader grants access upon presentation of a valid credential. Exit devices mechanically lock during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside push bar.
3. Request to exit switch in push bar to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 59.0
Doors: 01.07.01B, 01.07.03B, 01.09.01C, 01.09.01D
Description: Pair WD - Ballroom Entry (Panic NL, OHSH)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	SVR Exit, Exit Only	DG264 16 NBPE8710 EO	US32D	SA
1	SVR Exit, Nightlatch	DG264 16 NBPE8710 P306	US32D	SA
3	Perm Core	DG2 6300	US15	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	US32D	RO
2	Surf Overhead Hold Open	9-x26	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE

Set: 60.0
Doors: 02.01.01B, 02.01.01E
Description: Pair WD - Sideline Club Entry (Panic NL)

6	Hinge, Full Mortise, Hvy Wt	T4A3786xNRP 4-1/2" x 4-1/2"	US4	MK
1	SVR Exit, Exit Only	DG264 16 NBPE8710 EO	US4	SA
1	SVR Exit, Nightlatch	DG264 16 NBPE8710 P306	US4	SA
3	Perm Core	DG2 6300	US4	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	US4	RO
2	Surf Overhead Stop	9-236	691	RF
2	Surface Closer (OHS arm)	351 PD10	US4 Cover	SA
2	Kick Plate	K1050(F) 10" x 2" LDW CSK BEV	US4	RO

1	Meeting Stile	369GP		PE
1	Gasketing	S88BL		PE

Set: 61.0
Doors: 01.02.07A, 01.02.07B, 01.32.02D
Description: Pair HM - Service Corridor (Panic Classroom, OHSH)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
2	CVR Exit, Classroom	DG264 NB MDPE8613 NEMD	US32D	SA
2	Perm Core	DG2 6300	US15	SA
2	Surf Overhead Hold Open	9-x26	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE

Set: 62.0
Doors: 01.13.05A, 01.28.04
Description: Pair HM - Equipment, Jet Ice (Outswing Storeroom OHSH)

2	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Flush Bolt - Self Latch	2805 - Top Only	US32D	RO
1	Storeroom Lock	DG264 7/8" Lip Length 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Coordinator	1700 (mtg brackets as req'd)	Black	RO
2	Surf Overhead Hold Open	9-x26	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Astragal	357 (paint to match door)		PE
2	Silencer - Metal Frame	608		RO

Notes: Install astragal on pull side of active leaf and size doors for 1/8" clearance between leaves.

Set: 63.0
Doors: 01.06.04, 01.08.03, 01.09.03, 01.15.05D
Description: Pair HM - Storage, Water Entry (Outswing Storeroom OHSH)

2	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Flush Bolt	555 US26D	RO	
1	Flush Bolt	555-18	US26D	RO
1	Dust Proof Strike	570 US26D	RO	
1	Storeroom Lock	DG264 7/8" Lip Length 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Coordinator	1700 (mtg brackets as req'd)	Black	RO
2	Surf Overhead Hold Open	9-x26	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Astragal	357 (paint to match door)		PE
2	Silencer - Metal Frame	608		RO

Notes: Install astragal on pull side of active leaf and size doors for 1/8" clearance between leaves.

Set: 63.5

Doors: 01.22.06
Description: Pair Rated HM - Freight Elev Control (Outswing Storeroom, CPS)

6	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Flush Bolt - Self Latch	2805 - Top Only	US32D	RO
1	Storeroom Lock	DG264 7/8" Lip Length 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Coordinator	1700 (mtg brackets as req'd)	Black	RO
2	Surface Closer	351 CPS	EN	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Astragal	357 (paint to match door)		PE
1	Gasketing	S88BL		PE

Notes: Install astragal on pull side of active leaf and size doors for 1/8" clearance between leaves.

Set: 64.0
Doors: 01.10.04
Description: Pair HM - Ballroom Storage (Outswing Storeroom, OHSH)

6	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Flush Bolt	555	BSP	RO
1	Flush Bolt	555-18	US26D	RO
1	Dust Proof Strike	570 US26D	RO	
1	Storeroom Lock	DG264 7/8" Lip Length 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
2	Surf Overhead Hold Open	9-x26	630	RF
1	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Astragal	357 (paint to match door)		PE
2	Silencer - Metal Frame	608	RO	

Notes: Install closer on active leaf. Install astragal on pull side of active leaf and size doors for 1/8" clearance between leaves.

Set: 64.1
Doors: 02.01.03
Description: Pair HM - Storage (Outswing Storeroom)

6	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
2	Flush Bolt	555 BSP	RO	
1	Dust Proof Strike	570 US26D	RO	
1	Storeroom Lock	DG264 7/8" Lip Length 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
2	Surf Overhead Hold Open	9-x26	630	RF
1	Surface Closer	351 P10	EN	SA
2	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Astragal	357 (paint to match door)		PE
2	Silencer - Metal Frame	608		RO

Notes: Install closer on active leaf. Install astragal on pull side of active leaf and size doors for 1/8" clearance between leaves.

Set: 65.0

Doors: 01.03.01A
Description: Pair Rated HM - Chair Storage (Outswing Store)

2	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Flush Bolt - Self Latch	2805 - Top Only	US32D	RO
1	Storeroom Lock	DG264 7/8" Lip Length 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Coordinator	1700 (mtg brackets as req'd)	Black	RO
2	Surface Closer	351 P10	EN	SA
2	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
2	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Astragal	357 (paint to match door)		PE
1	Gasketing	S88BL		PE

Notes: Install astragal on pull side of active leaf and size doors for 1/8" clearance between leaves.

Set: 66.0
Doors: 01.13.06B
Description: Pair HM - Staff Office Lobby (Multipoint Classroom OHS)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
2	Multi-Point Lock	DG264 NB 701315 ETMD	US26D	SA
2	Perm Core	DG2 6300	US15	SA
2	Surf Overhead Stop	9-x36	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE

Set: 67.0
Doors: 01.19.02C
Description: Pair WD - Green/Family Lounge CR, ELR,DPS)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	BSP	MK
2	Electric Power Transfer	EL-CEPT	BSP	SU
1	ELR SVR Exit, Exit Only	55 56 NBPE8710 EO	BSP	SA
1	ELR SVR Exit, Nightlatch	DG264 55 56 NBPE8710 P306	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	BSP	RO
2	Surface Closer	351 P10	BSP	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
2	Wall Stop	RM867	BSP	RO
2	Astragal	18041BSPNB (both leaves)		PE
1	Gasketing	S88BL		PE

Set: 68.0
Doors: 02.04.03
Description: Sgl WD - Guest Services (Inswing Classroom)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Lock	DG264 8237 E3MD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA

1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall Stop	RM867	US15	RO
1	Gasketing	S88BL		PE

Set: 68.1
Doors: 01.12.15B, 02.29.04
Description: Sgl WD_HM- Staff Lounge, First Aid (Inswing Classroom)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Lock	DG264 8237 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 69.0
Doors: 01.20.01B, 01.20.03
Description: Sgl WD - Star/ Officials Dressing - (Inswing Classroom)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	BSP	MK
1	Classroom Lock	DG264 8237 E3MD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Surface Closer	351 O	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE

Set: 70.0
Doors: 01.20.07B
Description: Sgl HM - Crew/Media Lounge (Wide Inswing Classroom)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D	MK
1	Classroom Lock	DG264 8237 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 71.0
Doors: 01.19.05, 02.17.02, 02.20.02, 03.12.02
Description: Sgl HM - Pantry, Market Prep (Wide Inswing, OHSH)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Classroom Lock	DG264 8237 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Hold Open	9-x26	630	RF
1	Surface Closer	351 O	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE
1	Sweep	315CN		PE

Notes: Install sweep on interior side of opening.

Set: 71.1
Doors: 01.13.08
Description: Sgl Rated HM - Laundry (Inswing Classroom)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Classroom Lock	DG264 8237 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	BSP	RO
1	Gasketing	S88BL		PE

Notes: Install sweep on interior side of opening.

Set: 71.2
Doors: 01.26.02E, 03.27.02C
Description: Sgl HM - Kitchen/Pantry Dutch (Classroom/DL)

4	Hinge, Spring	1502 4-1/2" x 4-1/2"	US26D	MK
1	Dutch Door Bolt	630-4	US26D	RO
1	Passage Latch	8215 LNMD	US26D	SA
1	Deadbolt	DG264 485	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Hold Open	9-x26	630	RF
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Floor Stop	481(H)	US26D	RO
3	Silencer - Metal Frame	608	RO	

Notes: Dutch door shelf by door provider. Install passage latch on lower leaf and deadbolt and overhead stop on upper leaf. Install dutch door bolt on upper leaf with bolt strike on lower leaf shelf.

Set: 72.0
Doors: 01.14.02
Description: Sgl WD - Stick/Skate Wrk Rm (Wide Inswing Classroom OHSH)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	BSP	MK
1	Classroom Lock	DG264 8237 E3MD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Surf Overhead Hold Open	9-x26	BSP	RF
1	Surface Closer	351 O	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
3	Silencer - Metal Frame	608		RO

Set: 73.0
Doors: 03.20.03A, 03.27.02A
Description: Pair HM - Suite Servery (Outswing, Multipoint Class OHSH)

2	Continuous Hinge	CFMxxHD1	ALUM	PE
2	Multi-Point Lock	DG264 NB 701315 ETMD	US26D	SA
2	Perm Core	DG2 6300	US15	SA
2	Surf Overhead Hold Open	9-x26	630	RF

2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE
2	Sweep	315CN		PE

Set: 74.0
Doors: 01.26.02B
Description: Pair HM - Kitchen Commissary (Outswing Multipoint Class OHSH)

2	Continuous Hinge	CFMxxHD1	ALUM	PE
2	Multi-Point Lock	DG264 NB 701315 ETMD	US26D	SA
2	Perm Core	DG2 6300	US15	SA
2	Surf Overhead Hold Open	9-x26	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE
2	Sweep	315CN		PE
1	Threshold (6" solid flat)	2716A		PE

Set: 75.0
Doors: 01.31.03K
Description: Pair WD - Event Concourse (ELR, DPS, Smoke Evac)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
2	Electric Power Transfer	EL-CEPT	630	SU
1	ELR SVR Exit, Nightlatch	DG264 55 56 NBPE8710 P306	US32D	SA
1	ELR SVR Exit, Exit Only	55 56 NBPE8710 EO	US32D	SA
1	Perm Core	DG2 6300	US15	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	US32D	RO
2	Auto Operator - Outswing	SW200i - Smoke Evac - Full Header	ALUM	BM
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Smoke Evac	AQD Series x Battery Backup (amps, relays, as req'd)		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system.
2. Request to exit switch in push bar to signal authorized egress to the access control system.
3. Door position switches monitor open/closed status to the access control system.

Smoke Evacuation Operation:
1. Door position switches to signal door open/closed to the smoke evacuation system.
2. Upon signal from smoke evacuation system exit device latches are electrically retracted and auto door operators activated to power open doors.
3. Door to remain open until smoke evacuation system is reset.
4. Smoke Evac power supply battery backup provides emergency power for low voltage electrified

hardware during power loss.
5. Auto door operators (120V) require backup UPS for activation during power loss.

Set: 76.0
Doors: 01.18.07A
Description: Pair HM - Visitor Locker Rm (CR, ELR, DPS)

6	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
2	Electric Power Transfer	EL-CEPT	630	SU
1	ELR CVR Exit, Exit Only	NB 55 56 MDPE8610 EO	US32D	SA
1	ELR CVR Exit, Nightlatch	DG264 NB 55 56 MDPE8610 P106	US32D	SA
1	Perm Core	DG2 6300	US15	SA
2	Door Pull	BF168 Mtg-Type 12XHD	US32D-316	RO
2	Surf Overhead Hold Open	9-x26	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18061CNB (both leaves)		PE
1	Gasketing	S88BL		PE

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When devices are locked the card reader grants access upon presentation of a valid credential. Exit devices mechanically lock during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside push bar.
3. Request to exit switch in push bar to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 77.0
Doors: 01.15.07A, 01.16.04A
Description: Pair HM - Aux Locker Vestibule - Push/Pull

2	Continuous Hinge	BSPFMxxHD1	BSP	PE
2	Push Plate	73F	BSP	RO
2	Straight Door Pull	RM3301-36 Mtg-Type 12XHD	BSP	RO
2	Surface Closer	351 P10	BSP	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
2	Wall/Door Stop	406/481(H) as req'd	BSP	RO
1	Astragal	18041BSPNB (both leaves)		PE
1	Gasketing	S88BL		PE

Set: 78.0
Doors: 01.12.14B
Description: Pair HM - Staff Entry Vestibule - Push/Pull (ADA)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
2	Push Plate	73F 32D-316	RO	
2	Door Pull	BF168 Mtg-Type 12XHD	32D-316	RO
2	Surface Closer	351 P10	EN	SA
1	Surface Door Operator	SW200i - Outswing	ALUM	BM
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
2	Wall/Door Stop	406/481(H) as req'd	US32D	RO
2	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE

2	Actuator Switch - Wall	S-4 X 4 -3	US32D	WK

Notes: Conceal pull fasteners behind push plate.
Operation:
1. Assisted access/egress by actuator switches signaling auto operator activation.

Set: 78.1
Doors: 01.14.05B
Description: Pair WD/FG - Player Entry Vestibule (Push/Pull ADA)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	US32D	RO
2	Push Bar	RM3112 Mtg-Type 6HD	US32D	RO
1	Surface Closer (hold open)	351 CPSH	EN	SA
1	Surface Door Operator	SW200i - Outswing	ALUM	BM
2	Wall Stop	RM867	US15	RO
2	Astragal	18041CNB (both leaves)		PE
1	Gasketing	S88BL		PE
2	Actuator Switch - Wall	S-4 X 4 -3	US32D	WK

Notes: Conceal pull fasteners behind push plate.
Operation:
1. Assisted access/egress by actuator switches signaling auto operator activation.

Set: 79.0
Doors: 01.32.02C
Description: Pair HM - Penalty Box Corridor (P/P)

2	Continuous Hinge	CFMxxHD1	ALUM	PE
2	Push Plate	73F 32D-316	RO	
2	Door Pull	BF168 Mtg-Type 12XHD	32D-316	RO
2	Surf Overhead Hold Open	9-x26	630	RF
2	Surface Closer (OHS arm)	351 PD10	EN	SA
2	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
2	Astragal	18061CNB (both leaves)		PE
1	Gasketing	S88BL		PE
2	Sweep	315CN		PE

Set: 80.0
Doors: 01.15.06
Description: Pair WD - Home Team Locker (CR, ELR, DPS, OHSH)

2	Continuous Hinge	BSPFMxxHD1	BSP	PE
2	Electric Power Transfer	EL-CEPT	BSP	SU
1	ELR SVR Exit, Exit Only	55 56 NBPE8710 EO	BSP	SA
1	ELR SVR Exit, Nightlatch	DG264 55 56 NBPE8710 P306	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	BSP	RO
2	Surf Overhead Hold Open	9-x26	BSP	RF
2	Armor Plate	K1050(F) 34" x 2" LDW CSK BEV	BSP	RO
2	Astragal	18041BSPNB (both leaves)		PE
1	Gasketing	S88BL		PE
2	Wiring Harness (transfer/door)	QC-Cxxx		MK

2	Wiring Harness (transfer/jbox)	QC-CxxxxP	MK
1	Card Reader	By Security Provider	OT
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)	SU
1	Power Supply - Low Voltage	By Security Provider	SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When devices are locked the card reader grants access upon presentation of a valid credential. Exit devices mechanically lock during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside push bar.
3. Request to exit switch in push bar to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 80.1
Doors: 01.17.01
Description: Pair WD - Bunker Club (CR, ELR, DPS)

6	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	BSP	MK
2	Electric Power Transfer	EL-CEPT	BSP	SU
1	ELR SVR Exit, Exit Only	55 56 NBPE8710 EO	BSP	SA
1	ELR SVR Exit, Nightlatch	DG264 55 56 NBPE8710 P306	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
2	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	BSP	RO
2	Surface Closer	351 P10	BSP	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
2	Wall Stop	RM867	BSP	RO
1	Meeting Stile	369DP		PE
1	Gasketing	S88BL		PE
2	Wiring Harness (transfer/door)	QC-Cxxx		MK
2	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
2	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When devices are locked the card reader grants access upon presentation of a valid credential. Exit devices mechanically lock during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside push bar.
3. Request to exit switch in push bar to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 81.0
Doors: 03.03.02A, 03.03.02B
Description: Pair Dbl Egress WD - Suite Corridor (Pull/BTB Non Locking)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	BSP	MK
4	Straight Door Pull BTB	RM3301-36 Mtg-Type 11XHD	BSP	RO
2	Surface Closer	351 CPS	BSP	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Gasketing	S88BL		PE
1	Push Sign	RM1120H	BSP	RO
1	Pull Sign	RM1120L	BSP	RO

Notes: Door Pulls mounted BTB.

Set: 81.1
Doors: 03.01.03A, 03.14.04
Description: Pair Dbl Egress HM - Service Corridor (Push Non Locking)

8	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	BSP	MK
2	Push Plate	70G	BSP	RO
2	Surface Closer	351 CPS	BSP	SA
2	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Gasketing	S88BL		PE

Set: 82.0
Doors: 01.01.02C, 01.02.03B, 01.31.03N
Description: Sgl WD - Ballroom Entry - Panic/NL (CR. ELT. DPS, HO)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Electric Power Transfer	EL-CEPT	630	SU
1	Fail Secure Exit Device	DG264 55 PE8876-24v NEMD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer (hold open)	351 CPSH	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When device is locked the card reader grants access upon presentation of a valid credential. Exit devices mechanically lock during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside push bar.
3. Request to exit switch in push bar to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 82.1
Doors: 01.10.01B, 01.10.02
Description: Sgl WD - Ballroom Entry (Panic Classroom)

1	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Rim Exit, Classroom	DG264 PE8813 NEMD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer (hold open)	351 CPSH	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 83.0
Doors: 01.28.07A

Description: Sgl HM - Chiller (Panic Storeroom)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Rim Exit, Nightlatch	DG264 PE8804 NEMD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 P10	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 84.0
Doors: 01.01.02A, 01.02.03A, 01.28.02A, 01.31.02A, 01.31.02B, 01.31.02C
Description: Sgl WD - Ballroom Service (Wide Panic Classroom, Viewer)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Rim Exit, Classroom	DG264 PE8813 NEMD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer (hold open)	351 CPSH	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE
1	Viewer	620 CRM		RO

Set: 85.0
Doors: 01.31.05
Description: Sgl HM - Grand Hall FS Storeroom (Wide Inswing Storeroom)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D	MK
2	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EP	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
3	Silencer - Metal Frame	608		RO

Set: 87.0
Doors: 01.06.02, 01.21.11, 02.06.01, 03.22.02
Description: Sgl HM - House Keeping, Janitor (Inswing Storeroom HO)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer (hold open)	351 H	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
3	Silencer - Metal Frame	608		RO

Set: 88.0
Doors: 01.14.19
Description: Sgl HM - Storage (Outswing Storeroom HO)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA

1	Surface Closer (hold open)	351 CPSH	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
3	Silencer - Metal Frame	608		RO

Set: 89.0
Doors: 01.13.05B
Description: Sgl HM - Equip Rm (Inswing Storeroom OHSH)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Hold Open	9-x26	630	RF
1	Surface Closer	351 O	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
3	Silencer - Metal Frame	608		RO

Set: 90.0
Doors: 02.30.01
Description: Sgl HM - Sideline Club Pantry (Wide Inswing Storeroom)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Storeroom Lock	DG264 8204 E3MD	US4	SA
1	Perm Core	DG2 6300	US4	SA
1	Surface Closer	351 O	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW CSK BEV	US4	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 91.0
Doors: 01.12.11B, 01.13.10, 01.20.06B
Description: Sgl HM - Storage (Outswing No Closer)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
3	Silencer - Metal Frame	608	RO	

Set: 92.0
Doors: 01.03.01D
Description: Sgl Rated HM - Chair Storage (Outswing Storeroom)

1	Continuous Hinge	CFMxxSLF-HD1	ALUM	PE
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 P10	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 93.0
Doors: 03.22.01
Description: Sgl HM - Storage (Wide Storeroom Outswing HO)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer (hold open)	351 CPSH	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
3	Silencer - Metal Frame	608		RO

Set: 94.0
Doors: 01.06.01A, 01.06.26, 01.21.01A, 01.28.06B, 01.29.05A
Description: Sgl HM - Pump Rm, Storage (Outswing Storeroom CPS)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 CPS	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
3	Silencer - Metal Frame	608		RO

Set: 95.0
Doors: 01.15.06B
Description: Sgl HM - Team Storage (Outswing Storeroom)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	BSP	MK
1	Storeroom Lock	DG264 8204 E3MD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Surface Closer	351 CPS	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
3	Silencer - Metal Frame	608		RO

Set: 96.0
Doors: 01.02.05A, 01.12.07, 01.13.04B, 02.01.32, 02.14.01
Description: Sgl HM - Janitor (Outswing Storeroom HO)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer (hold open)	351 CPSH	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
3	Silencer - Metal Frame	608		RO

Set: 97.0
Doors: 03.04.01
Description: Sgl HM - Janitor (Outswing Storeroom HO)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	BSP	MK
1	Storeroom Lock	DG264 8204 LNMD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Surface Closer (hold open)	351 CPSH	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
3	Silencer - Metal Frame	608		RO

Set: 98.0
Doors: 01.26.04A, 01.28.06A
Description: Sgl HM - Water Entry, Pump Room (Wide Outswing Storeroom)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 P10	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 99.0
Doors: 01.21.07A
Description: Sgl HM - Zamboni Room (Inswing Storeroom OHS)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Storeroom Lock	DG264 8204 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Stop	9-x36	630	RF
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE

Set: 100.0
Doors: 01.01.02B, 01.31.02D
Description: Sgl HM - Ballroom Connecting (Dbl Keyed, HO, Seal)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Store Door Lock	DG264 8226 LNMD	US26D	SA
2	Perm Core	DG2 6300	US15	SA
1	Surface Closer (hold open)	351 CPSH	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE
1	Auto Door Bottom	369AA Z49-PL		ZE

Set: 101.0
Doors: 03.21.01
Description: Sgl HM - Audio Production (Inswing Office Seal)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Office/Entry Lock	LB DG264 8205 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S44BL		PE
1	Sound Gasketing	870AA (head x jambs)		ZE
1	Auto Door Bottom	369AA Z49-PL		ZE

Set: 102.0
Doors: 01.21.03
Description: Sgl HM - Production Open Office (Outswing Office)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Office/Entry Lock	LB DG264 8205 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 P10	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 102.1
Doors: 01.15.05G
Description: Sgl HM - Director of Operations (Inswing Office)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Office/Entry Lock	LB DG264 8205 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 103.0
Doors: 01.15.06A
Description: Sgl WD - Assistant Coach Wrk Area (Outswing Office)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	BSP	MK
1	Office/Entry Lock	LB DG264 8205 E3MD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Surface Closer	351 P10	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall/Door Stop	406/481(H) as req'd	BSP	RO
1	Gasketing	S88BL		PE

Set: 104.0
Doors: 01.04.05, 01.04.07, 01.04.09, 01.05.04, 01.05.05, 01.05.06, 01.05.07, 01.15.05C
Description: Sgl WD?ALF - Admin Offices (Office)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Office/Entry Lock	DG264 8205 E3MD	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO

Notes: Perimeter seal by aluminum frame provider.

Set: 105.0
Doors: 01.20.07A, 02.04.06, 02.15.01, 02.27.04, 02.28.04, 03.20.03B
Description: Sgl HM - Crew Kitchen, Market Prep, Pantry (Wide Inswing Classroom, OHSH)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Classroom Lock	DG264 8237 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Hold Open	9-x26	630	RF
1	Surface Closer	351 O	EN	SA

1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE
1	Sweep	315CN		PE

Notes: Install sweep on interior side of opening.

Set: 107.0
Doors: 03.21.02
Description: Sgl HM - Video Production/On-Glass (Inswing CR, EL, DPS, Seal)

2	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D	MK
1	Hinge, Full Mortise, Hvy Wt	T4A3786 QCxx 5" x 4-1/2"	US26D	MK
1	Fail Secure Lock	DG264 RX 8271- LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S44BL		PE
1	Sound Gasketing	870AA (head x jambs)		ZE
1	Auto Door Bottom	369AA Z49-PL		ZE
1	Wiring Harness (transfer/door)	QC-Cxxx		MK
1	Wiring Harness (transfer/jbox)	QC-CxxxxP		MK
1	Card Reader	By Security Provider		OT
1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Power Supply - Low Voltage	By Security Provider		SU

Notes: Operation:
1. Doors electrically unlocked or locked during established time zones as programmed by the access control system. When outside lever is locked the card reader grants access upon presentation of a valid credential. Locksets mechanically locked during power failure with a mechanical key override entry.
2. Egress always free from inside by depressing inside lever.
3. Request to exit switch in lever to signal authorized egress to the access control system.
4. Door position switch to signal door open/closed to the access control system.

Set: 108.0
Doors: 01.20.06C
Description: Sgl HM - Crew/Media Lounge (Outswing Classroom)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Lock	DG264 8237 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 P10	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 109.0
Doors: 01.20.07C
Description: Sgl Rated HM - Crew Kitchen (Outswing Classroom)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Classroom Lock	DG264 8237 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA

1	Surface Closer	351 P10	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE
1	Sweep	315CN		PE

Set: 110.0
Doors: 01.20.02A
Description: Sgl WD - Green Room/Lounge (Inswing Classroom, Seal)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	BSP	MK
1	Classroom Lock	DG264 8237 E3MD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Surface Closer	351 O	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE
1	Auto Door Bottom	369AA Z49-PL		ZE

Set: 111.0
Doors: 03.27.02B
Description: Sgl HM - Suite Servery (Outswing Classroom)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Classroom Lock	DG264 8237 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 P10	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE
1	Sweep	315CN		PE

Set: 112.0
Doors: 01.15.04, 01.15.05A
Description: Sgl WD - Hydrotherapy (Outswing Classroom, HO)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 5" x 4-1/2"	BSP	MK
1	Classroom Lock	DG264 8237 E3MD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Surface Closer (hold open)	351 CPSH	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Gasketing	S88BL		PE

Set: 113.0
Doors: 01.23.02A, 01.23.03C
Description: Sgl Rated HM - Security, Head End (Outswing Office, CPS)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Office/Entry Lock	LB DG264 8205 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 CPS	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE

Set: 114.0
Doors: 02.12.02, 03.21.03
Description: Sgl HM - Market Kitchen, Service Corridor (Outswing Classroom OHSH)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Classroom Lock	DG264 8237 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surf Overhead Hold Open	9-x26	630	RF
1	Surface Closer (OHS arm)	351 PD10	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE
1	Sweep	315CN		PE

Set: 115.0
Doors: 01.12.15A
Description: Sgl HM - Staff Lounge Connecting (Classroom CPS)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Lock	DG264 8237 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer	351 CPS	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE

Set: 116.0
Doors: 01.23.08, 01.23.09
Description: Sgl HM - Crew Toilet (Inswing Privacy/IND)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Privacy Lock - IND - IND	LB V20 8265 LNMD	US26D	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE
1	Coat Hook	RM802	US32D	RO

Set: 117.0
Doors: 01.30.04
Description: Sgl HM - Family Toilet (Inswing Privacy/IND)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Privacy Lock	LB V20 8265 E3MD	US32D	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall Stop	RM867	US15	RO
1	Gasketing	S88BL		PE
1	Coat Hook	RM802	US32D	RO

Set: 117.1
Doors: 01.03.04, 02.04.05, 02.13.01, 02.17.03, 02.28.02, 02.29.03
Description: Sgl WD - Family Toilet, Changing, Mothers Room (Inswing Privacy/IND)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Privacy Lock	LB V20 8265 E3MD	US32D	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall Stop	RM867	US15	RO
1	Gasketing	S88BL		PE
1	Coat Hook	RM802	US32D	RO

Set: 118.0
Doors: 03.03.03, 03.13.03
Description: Sgl WD - Family Toilet (Inswing Privacy/IND)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	BSP	MK
1	Privacy Lock - IND	LB V20 8265 E3MD	BSP	SA
1	Surface Closer	351 O	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE
1	Coat Hook	RM802	BSP	RO

Set: 119.0
Doors: 01.20.06A
Description: Sgl HM - Crew Lounge Toilet - (Outswing Privacy/IND)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Privacy Lock - IND - IND	LB V20 8265 LNMD	US26D	SA
1	Surface Closer	351 CPS	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE
1	Coat Hook	RM802	US32D	RO

Set: 121.0
Doors: 01.14.07, 01.17.04
Description: Sgl HM - Aux Star Toilet (Inswing Privacy/IND)

4	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	BSP	MK
1	Privacy Lock - IND	LB V20 8265 LNMD	BSP	SA
1	Surface Closer	351 O	BSP	SA
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE
1	Coat Hook	RM802	BSP	RO

Set: 122.0
Doors: 01.16.01, 01.16.02
Description: Sgl WD- Bunker Club (Inswing Privacy/IND)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	BSP	MK
1	Privacy Lock - IND	LB V20 8265 E3MD	BSP	SA
1	Surface Closer	351 O	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE
1	Coat Hook	RM802	BSP	RO

Set: 123.0
Doors: 01.19.03A
Description: Sgl WD - Green Room Toilet (Inswing Privacy/IND)

4	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	BSP	MK
1	Privacy Lock - IND	LB V20 8265 E3MD	BSP	SA
1	Surface Closer	351 O	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE
1	Coat Hook	RM802	BSP	RO

Set: 124.0
Doors: 01.13.04A
Description: Sgl Rated HM - Laundry (Inswing Passage OHS)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Passage Latch	8215 LNMD	US26D	SA
1	Surf Overhead Stop	9-x36	630	RF
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE

Set: 125.0
Doors: 01.15.05B
Description: Sgl HM - Marshalling Ramp Corridor (Panic Passage Non Locking)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Rim Exit, Passage	PE8815 NEMD	US32D	SA
1	Surface Closer	351 P10	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 126.0
Doors: 02.10.03A
Description: Sgl ALUM - Roof Top Terrace Vestibule (Panic Classroom)

1	Continuous Hinge	DFMSLI/SLF-HD1	DK BRZ	PE
1	Rim Exit Classroom	DG264 ADPE8513 NEMD	US10BE	SA
1	Perm Core	DG2 6300	US4	SA
1	Conc Overhead Stop	1ADJ-x36	613E	RF
1	Surface Closer	351 P10	US10BE	SA
1	Drop Plate	351D	US10BE	SA
1	Blade Stop Kit	581-2	US10BE	SA
1	Sweep	315DN		PE

Set: 127.0
Doors: 03.20.01
Description: Sgl HM - Audio/Multi-Purpose (Inswing Passage, Seal)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D	MK

1	Passage Latch	8215 LNMD	US26D	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S44BL		PE
1	Sound Gasketing	870AA (head x jambs)		ZE
1	Auto Door Bottom	369AA Z49-PL		ZE

Set: 128.0
Doors: 01.05.03
Description: Sgl WD - Admin Conference (Passage)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Passage Latch	8215 E3MD	US32D	SA
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO

Notes: Perimeter seal by aluminum frame provider.

Set: 129.0
Doors: 01.01.01, 01.04.03, 01.32.01
Description: Sgl WD_HM - Mens/Womens Restroom (Inswing P/P/DL)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Deadlock	DG264 LB 4877	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Push Plate	73F CFC CFTT (as req'd)	US32D	RO
1	Offset Door Pull	RM3311-12 Mtg-Type 12XHD	US32D	RO
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Notes: Install offset pull to allow for deadlock operation.

Set: 129.1
Doors: 01.03.03
Description: Sgl WD_HM - Mens/Womens Restroom (Inswing P/P/DL)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Classroom Deadlock	DG264 LB 4877	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Push Plate	73F CFC CFTT (as req'd)	US32D	RO
1	Offset Door Pull	RM3311-12 Mtg-Type 12XHD	US32D	RO
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Notes: Install offset pull to allow for deadlock operation.

Set: 130.0
Doors: 03.04.02, 03.04.03, 03.12.04, 03.13.02, 03.20.02
Description: Sgl WD - Suite Mens/Womens Restrooms (Inswing P/P/DL)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	BSP	MK
1	Classroom Deadlock	DG264 LB 4877	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Push Plate	73F CFC CFTT (as req'd)	BSP	RO
1	Offset Door Pull	RM3311-12 Mtg-Type 12XHD	BSP	RO
1	Surface Closer	351 O	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE

Notes: Install offset pull to allow for deadlock operation.

Set: 130.1
Doors: 03.19.02, 03.29.01, 03.29.02
Description: Sgl WD - Suite Mens/Womens Restrooms (Inswing P/P/DL)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	BSP	MK
1	Classroom Deadlock	DG264 LB 4877	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Push Plate	73F CFC CFTT (as req'd)	BSP	RO
1	Offset Door Pull	RM3311-12 Mtg-Type 12XHD	BSP	RO
1	Surface Closer	351 O	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE

Notes: Install offset pull to allow for deadlock operation.

Set: 131.0
Doors: 03.01.02, 03.02.01, 03.02.02, 03.03.01, 03.14.02, 03.15.01, 03.15.02, 03.16.01, 03.17.01, 03.18.01, 03.18.02, 03.31.01, 03.31.02, 03.32.01
Description: Sgl WD - Suite Entry (Inswing Classroom, OH Conc)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	BSP	MK
1	Classroom Lock	DG264 8237 E3MD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Concealed Closer	WPH91HDCP	BSP	RF
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE
1	Auto Door Bottom	369AA Z49-PL		ZE

Set: 132.0
Doors: 03.01.01A, 03.01.01B, 03.16.02A, 03.16.02B
Description: Sgl WD-FG - Large Suite Entry (Outswing Classroom, OH Conc)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	BSP	MK
1	Classroom Lock	DG264 8237 E3MD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Concealed Closer	WPH91HDCP	BSP	RF
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE
1	Auto Door Bottom	369AA Z49-PL		ZE

Notes: Install offset pull to allow for deadlock operation.

Set: 133.0
Doors: 02.30.02
Description: Sgl HM - Sideline Club Kitchen/Pantry (Outswing P/P/DL)

1	Continuous Hinge	CFMxxHD1	ALUM	PE
1	Mortise Deadlock	DG264 4875	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Push Plate	73F CFC CFTT (as req'd)	US32D	RO
1	Push Pull	BF 111x73C	US32D	RO
1	Surf Overhead Hold Open	9-x26	630	RF
1	Surface Closer (OHS arm)	351 PD10	EN	SA
1	Armor Plate	K1050(F) 34" x 2" LDW 4BE CSK	US32D	RO
1	Gasketing	S88BL		PE
1	Sweep	315CN		PE

Notes: Conceal pull fasteners behind push plate. Install pull to avoid interference with deadlock operation.

Set: 134.0
Doors: 01.04.11B
Description: Sgl ALUM - Staff Entry Vestibule (P/P)

1	Continuous Hinge	DFMSLI/SLF-HD1	DK BRZ	PE
1	Offset Door Pull	RM3311-36 Mtg-Type 12XHD	10BE	RO
1	Push Bar	RM3112 Mtg-Type 6HD	10BE	RO
1	Conc Overhead Stop	1ADJ-x36	613E	RF
1	Surface Closer	351 P10	US10BE	SA
1	Drop Plate	351D	US10BE	SA
1	Blade Stop Kit	581-2	US10BE	SA

Notes: Perimeter seal by aluminum door provider.

Set: 135.0
Doors: 01.19.09
Description: Sgl HM - Visiting Coaches Grooming (Inswing P/P)

4	Hinge, Full Mortise	TA2314 4-1/2" x 4-1/2"	US32D	MK
1	Push Plate	73F	32D-316	RO
1	Push Pull	BF 111x73C	US32D	RO
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
3	Silencer - Metal Frame	608		RO

Set: 136.0 (NOT USED)

Set: 137.0
Doors: 02.02.01, 02.02.03
Description: Sgl WD - Sideline Club Men/Womens Restroom (Inswing P/P)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US4	MK

1	Push Plate	73F	US4	RO
1	Straight Door Pull	RM3301-12 Mtg-Type 12XHD	US4	RO
1	Surface Closer	351 O	US4 Cover	SA
1	Kick Plate	K1050(F) 10" x 2" LDW CSK BEV	US4	RO
1	Wall Stop	RM867	314E	RO
1	Gasketing	S88BL		PE

Set: 138.0
Doors: 01.12.11A
Description: Sgl HM - Staff Break Room (Inswing P/P)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	BSP	MK
1	Push Plate	73F	32D-316	RO
1	Push Pull	BF 111x73C	US32D	RO
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 139.0
Doors: 01.17.01C
Description: Sgl WD - Bunker Club Corridor (Panic Classroom)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 NRP 4-1/2" x 4-1/2"	BSP	MK
1	Rim Exit, Classroom	DG264 PE8813 NEMD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Surface Closer	351 P10	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE

Set: 140.1
Doors: 01.14.15, 01.14.16
Description: Sgl HM - Event Staff Restroom (Inswing P/P)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Push Plate	73F	32D-316	RO
1	Push Pull	BF 111x73C	US32D	RO
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
3	Silencer - Metal Frame	608	RO	

Notes: Conceal pull fasteners behind push plate.

Set: 140.2
Doors: 01.14.17, 01.14.18
Description: Sgl HM - Event Staff Restroom (Outswing P/P)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1	Push Plate	73F	32D-316	RO
1	Push Pull	BF 111x73C	US32D	RO
1	Surface Closer	351 P10	EN	SA

1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
3	Silencer - Metal Frame	608		RO

Notes: Conceal pull fasteners behind push plate.

Set: 141.0
Doors: 01.19.02A, 01.19.02B
Description: Sgl WD - Star Dressing/Toilet (Outswing P/P, CPS)

4	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	BSP	MK
1	Push Plate	73F	BSP	RO
1	Straight Door Pull	RM3301-12 Mtg-Type 12XHD	BSP	RO
1	Surface Closer	351 CPS	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Gasketing	S88BL		PE

Notes: Conceal pull fasteners behind push plate.

Set: 142.0 (NOT USED)

Set: 143.0
Doors: 01.14.08
Description: Sgl WD - Aux Office (Office No Closer)

4	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	BSP	MK
1	Office/Entry Lock	LB DG264 8205 LNMD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE

Set: 144.0
Doors: 01.12.05
Description: Sgl WD - Head Coach Office (Office No Closer, Seal)

4	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	BSP	MK
1	Office/Entry Lock	LB DG264 8205 E3MD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE
1	Auto Door Bottom	369AA Z49-PL		ZE

Set: 145.0
Doors: 01.21.04A, 01.21.05A, 01.27.05, 01.27.06, 01.27.07
Description: Sgl HM - Show Offices, Kitchen Offices (Office(No Closer)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Office/Entry Lock	LB DG264 8205 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 146.0

Doors: 01.19.08
Description: Sgl HM - Visiting Coaches (Office No Closer)

4	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Office/Entry Lock	LB DG264 8205 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 147.0
Doors: 01.15.08, 01.16.05A
Description: Sgl HM - Aux Training (Inswing Classroom HO)

4	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	BSP	MK
1	Classroom Lock	DG264 8237 LNMD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA
1	Surface Closer (hold open)	351 H	BSP	SA
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE

Set: 148.0
Doors: 02.01.01F
Description: Sgl HM - Sideline Club Kitchen (Inswing P/P/DL)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US4	MK
1	Mortise Deadlock	DG264 LB 4875	US4	SA
1	Perm Core	DG2 6300	US4	SA
1	Push Plate	73F	US4	RO
1	Door Pull	BF 111x73C	US4	RO
1	Surf Overhead Hold Open	9-x26	633	RF
1	Surface Closer	351 O	US4 Cover	SA
1	Armor Plate	K1050(F) 34" x 2" LDW CSK BEV	US4	RO
1	Wall Stop	RM867	314E	RO
1	Gasketing	S88BL		PE

Set: 149.0
Doors: 01.18.05
Description: Sgl HM - Visiting Treatment (Wide Inswing Classroom, HO)

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D	MK
1	Classroom Lock	DG264 8237 LNMD	US26D	SA
1	Perm Core	DG2 6300	US15	SA
1	Surface Closer (hold open)	351 H	EN	SA
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE

Set: 150.0
Doors: 01.18.01, 01.18.04
Description: Sgl WD - Star Toilet (Privacy/IND, OHS)

4	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	BSP	MK
1	Privacy Lock - IND	LB V20 8265 E3MD	BSP	SA
1	Surf Overhead Stop	9-x36	BSP	RF

1	Gasketing	S88BL		PE
1	Coat Hook	RM802	BSP	RO

Set: 151.0
Doors: 01.21.06
Description: Sgl HM - Production Toilet (Inswing Privacy/IND)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Privacy Lock - IND - IND	LB V20 8265 LNMD	US26D	SA
1	Surface Closer	351 O	EN	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	US32D	RO
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE
1	Coat Hook	RM802	US32D	RO

Set: 152.0
Doors: 01.19.01A, 01.19.01B, 01.20.04B, 01.20.04C
Description: Sgl WD - Star Toilets (Privacy/IND)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	BSP	MK
1	Privacy Lock - IND	LB V20 8265 E3MD	BSP	SA
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE
1	Coat Hook	RM802	BSP	RO

Set: 153.0
Doors: 01.19.03B
Description: Sgl HM - Green Rm Shower (Privacy/IND)

4	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	BSP	MK
1	Privacy Lock - IND	LB V20 8265 E3MD	BSP	SA
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE
1	Coat Hook	RM802	BSP	RO

Set: 154.0
Doors: 02.04.02
Description: Sgl WD - Sensory Rm (Passage, Seals)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Passage Latch	8215 E3MD	US32D	SA
1	Wall/Door Stop	406/481(H) as req'd	US32D	RO
1	Gasketing	S88BL		PE
1	Sound Gasketing	870AA (head x jambs)		ZE
1	Auto Door Bottom	369AA Z49-PL		ZE

Set: 155.0
Doors: 01.16.07
Description: Sgl HM - Exam Rm (Inswing Entry/IND)

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	BSP	MK
1	Entry Lock	DG264 LB V21 8225 LNMD	BSP	SA
1	Perm Core	DG2 6300	BSP	SA

1	Surface Closer	351 O	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall/Door Stop	406/481(H) as req'd	BSP	RO
1	Gasketing	S88BL		PE
1	Auto Door Bottom	369AA Z49-PL		ZE

Set: 156.0
Doors: 01.12.03, 01.20.01A, 01.20.04A
Description: Sgl WD - Coaches Locker, Star Vestibule (Inswing Passage)

4	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	BSP	MK
1	Passage Latch	8215 E3MD	BSP	SA
1	Surface Closer	351 O	BSP	SA
1	Kick Plate	K1050(F) 10" x 2" LDW 4BE CSK	BSP	RO
1	Wall Stop	RM867	BSP	RO
1	Gasketing	S88BL		PE

Set: 157.0
Doors: 01.04.12A
Description: Sgl - Surface Sliding - Hotel Office (Locking Pull)

1	Side Wall Track Kit	280C-SWTKIT/8-1413-2		PE
1	Mortise Cylinder	DG264 41 (length, cam, collar as req'd)	US32D	SA
1	Perm Core	DG2 6300	US15	SA
1	Locking Push/Pull	LP3301DBUPMPC ADA LC	US32D	RO

Set: 158.0
Doors: 01.15.06AD, 01.15.06AE, 01.15.06AF, 01.15.09, 01.17.03, 01.18.07B, 01.18.07C
Description: Sgl Auto Sliding Door - Home Team Locker, Visitor Locker, Grooming

1	Hardware	By Door Manufacturer		OT

Set: 159.0
Doors: 01.31.04, 02.01.01C, 02.08.01, 02.22.02, 02.27.01, 03.12.03
Description: Dbl Acting Bar Gates

1	Gate Closer	355	689	RF

Set: 160.0
Doors: 02.01.01A, 02.01.01D, 02.03.01
Description: Dbl Acting Bar Gates

1	Gate Closer	355	696	RF

Set: 161.0
Doors: 01.22.02D, 01.22.02E, 01.22.02F, 01.22.02G, 01.22.02H, 01.26.06C, 01.28.07C
Description: Overhead Door (DPS)

1	Door Position Switch DPDT	By Security Provider (prep by Dr/Frm mfr)		SU
1	Balance of Hardware	By Door Manufacturer		OT

Set: 162.0
Doors: 01.03.01B, 01.04.02B, 01.06.01B, 01.06.01C, 01.15.02, 01.21.01B, 01.21.07B, 01.22.02I, 01.23.03A, 01.23.03B, 01.26.02D
Description: Overhead Door

1	Hardware	By Door Manufacturer	OT

END OF SECTION 087100

274116 - APPENDIX A

REVISION TO MAJOR EQUIPMENT LIST - ADDENDUM #3

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
Event Level - Inner Bowl: 01.00.00 - Floor - Event				
Video - dvLED				
HER1	-4	OES Custom	dvLED Scoring Tables For Basketball	*Removed*
HER2	4	Planar Custom	dvLED Scoring Tables For Basketball	*Added*
Event Level - Hallways & Corridor: 01.22.02 - Marshalling Area				
Clocks				
HER3	1	OES M1200IWV	4" Locker Room Clock (White)	*Added*
Event Level - Building Support Spaces: 01.20.06 - Crew / Media Lounge				
Loudspeakers - Distributed				
HER4	-1	Bose Professional EM180	EdgeMax In-Ceiling Premium Loudspeaker, Black	*Removed*
HER5	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White	*Added*

274116 - APPENDIX A

REVISION TO MAJOR EQUIPMENT LIST - ADDENDUM #3

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
Event Level - Technical Operation Spaces: 01.31.01 - Video Production				
Broadcast - Playback & Recording				
HER6	10	Ross Video CTS-ART-FABR	Graphic Artwork Fabrication	*Added*
HER7	2	Ross Video CTS-CS-XPN-REMOTE-1DAY	Creative Svcs - Remote Deployment - 1 Day	*Added*
HER8	10	Ross Video CTS-TEMP-FABR	Graphic Template Fabrication	*Added*
HER9	2	Ross Video DB-CDEV	DashBoard CustomPanel Development Package	*Added*
Broadcast - Switching & Routing				
HER10	-1	Ross Video MIRA-ES-1DAY	Onsite Event Support	*Removed*
HER11	3	Ross Video SLE-COM-1DAY	Sports & Live Event - Onsite Commissioning - 1 Day	*Added*
HER12	1	Ross Video SLE-OES-1DAY	Sports & Live Event - Supported Event Onsite - 1 Day	*Added*
HER13	6	Ross Video SLE-OTR-1DAY	Sports & Live Event - Onsite Operational Training - 1 Day	*Added*
HER14	1	Ross Video TRAVEL-PRE-004	Pre Paid Service Expense Trip 4	*Added*
HER15	1	Ross Video TRAVEL-PRE-010	Pre Paid Service Expense Trip 10	*Added*

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
Event Level - Technical Operation Spaces: 01.31.01 - Video Production: 01.30.02 - Production Rack				
AV - Equipment Racks				
HER16	2	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec	*Added*
HER17	-1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle	*Removed*
HER18	2	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK	*Added*
AV - Patchbays & Patch Cables				
HER19	2	Bittree B48DC-HNSST/E3 M2OU12L	2X24 2RU 1/4 INCH LONG-FRAME PATCHBAY, FRONT SELECTABLE TRS AUDIO. E3 REAR INTERFACE, HALF NORMAL SWITCHED GROUNDS, 12" DEEP CHASSIS	*Added*
HER20	20	Bittree LPC2400-110	1/4 Inch Long Frame Audio Patch Cable 2' Black	*Added*
HER21	20	Bittree LPC2402-110	1/4 Inch Long Frame Audio Patch Cable 2' Red	*Added*
HER22	20	Bittree LPC2404-110	1/4 Inch Long Frame Audio Patch Cable 2' Yellow	*Added*
HER23	20	Bittree LPC2405-110	1/4 Inch Long Frame Audio Patch Cable 2' Green	*Added*
HER24	8	Bittree LPCXF7200-110	Female XLR To 1/4 Inch Long Frame 6' Black	*Added*
HER25	8	Bittree LPCXM7207-110	Male XLR To 1/4 Inch Long Frame 6' Purple	*Added*
HER26	2	Bittree PCHA	AUDIO PATCH CABLE HOLDER	*Added*
Broadcast - Pre-Wire				
HER27	2	Bittree S64T-1MWNBK	12G+ MINI-WECO (MIDSIZE) VIDEO PATCHBAY, 2X32, 2 RU	*Added*
HER28	10	Bittree VPCMK4802-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - RED	*Added*
HER29	10	Bittree VPCMK4805-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - GREEN	*Added*
HER30	10	Bittree VPCMK4806-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - BLUE	*Added*
HER31	10	Bittree VPCMK4807-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - PURPLE	*Added*

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REVISION TO MAJOR EQUIPMENT LIST - ADDENDUM #3

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
HER32	-1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.	*Removed*
HER33	-1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.	*Removed*
HER34	-7	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST	*Removed*
HER35	48	Panduit CJ688TGXX	Mini-Com® Cat 6 UTP RJ45 TG Jack Module, Select Jack Color As Required Per Specifications and Drawings.	*Added*
HER36	1	Panduit CPPLA48WBLY	Mini-Com® Angled Patch Panel, 48 port, 2 RU, BL	*Added*
HER37	36	Panduit F92ELLNLNSNM0.5	The duplex fiber patch cord is OS2 with a 1.6mm cable jacket. It is Low Smoke Zero Halogen (LSZH), features LC Duplex to LC Duplex connectors, has standard insertion loss and is 0.5 meter in length	*Added*
HER38	36	Panduit F92ERLNLNSNM001	Opti-Core 2 Fiber Patch Cord, OS1/OS2, LC Duplex, Riser, 1 Meter	*Added*
HER39	12	Panduit FHS9N-12-10P	HD Flex LC Splice Cassette, OS2, 12 Fiber Discrete Pigtail	*Added*
HER40	1	Panduit FLEX2U06	HD Flex™ Fiber Enclosure, 2 RU, 6 Ports, Black	*Added*
HER41	48	Panduit UTP6AX5XX	TX6A™ 10Gig Cat 6A UTP Patch Cord 5-Foot,Select Patch Cord Color As Required Per Specifications And Drawings	*Added*
Broadcast Network				
HER42	3	Luminex 10g SMF Transceiver	This single mode fiber (SMF) SFP+ transceiver provides 10GBase-LR throughput to up to 10km making use of a wavelength of 1310nm over a duplex LC connector.	*Added*
HER43	1	Luminex GigaCore 30i	10Gb AV Network Switch with PoE++ (Single PSU)	*Added*
Broadcast - Playback & Recording				
HER44	1	Ross Video XPN-8-PORT-SERIAL-DATA-CARD	8-port Serial I/O PCIe card	*Added*
HER45	2	Ross Video XPN-HW-CORE-PLUS-V3	XPression 1RU Core Plus Workflow Tools Chassis	*Added*

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REVISION TO MAJOR EQUIPMENT LIST - ADDENDUM #3

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
HER46	1	Ross Video XPN-HW-CORE-V3	XPression 1RU Core Workflow Tools Chassis	*Added*
HER47	2	Ross Video XPN-KBD	XPression Custom Keyboard	*Added*
HER48	1	Ross Video XPN-PS	XPression Project Server (SW Only)	*Added*
HER49	1	Ross Video XPN-INC	XPression INcoder (SW Only)	*Added*
HER50	1	Ross Video XPN-XTS-MAS	XPression Tessera Master (SW Only)	*Added*
HER51	1	Ross Video XPN-CII-CGI-BDL	XPression CII Gateway Bundle (SW Only)	*Added*
HER52	1	Ross Video XPN-HW-CORE-V3	XPression 1RU Core Workflow Tools Chassis	*Added*
HER53	1	Ross Video XPN-XTS-MAS	XPression Tessera Master (SW Only)	*Added*
HER54	1	Ross Video XTS-NODE-UHD-1CH	Tessera Node Engine- 1UHD Channel Edition (SW Only)	*Added*
HER55	1	Ross Video XPN-1RU-RS1-M9	XPression 1RU Ross SDI I/O Chassis	*Added*
HER56	1	Ross Video XPN-CII-CGI-BDL	XPression CII Gateway Bundle (SW Only)	*Added*
HER57	1	Ross Video CUF-124	Carbonite Ultra Engine NO PSU Included	*Added*
HER58	4	Ross Video XTS-NODE-UHD-1CH	Tessera Node Engine- 1UHD Channel Edition (SW Only)	*Added*
HER59	1	Ross Video CUF-ADD-MOSAIC	Carbonite Ultra Mosaic License	*Added*
HER60	4	Ross Video XPN-1RU-RS1-M9	XPression 1RU Ross SDI I/O Chassis	*Added*
HER61	1	Ross Video CUF-ADD-MOSAIC-UHD	Carbonite Ultra Mosaic License	*Added*
HER62	1	Ross Video CUF-UHD-ADD-I/OPLUS-LIC	UHD FSFC Add on	*Added*
HER63	1	Ross Video CUF-UHD-ADD-MV-LIC	UHD I/O MV License	*Added*
HER64	1	Ross Video XDS0-0001-CPS	XPression LiveCG Software Only License	*Added*
Broadcast - Switching & Routing				
HER65	9	Adder ALIF4001T	ADDERLink INFINITY KVM - Transmitter	*Added*
HER66	1	Ross Video ACUFR12-CPU	Acuity FR12 Series Frame CPU	*Added*
HER67	-9	Ross Video ACUFR12-CPU	Acuity FR12 Series Frame CPU	*Removed*

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
HER68	-1	Ross Video TLY-DLQ-SW	DataLinq Server option	*Removed*
HER69	5	Ross Video ULTRIX-IO-BP	Ultrix IO Blank Panel (Cover Plate)	*Added*
HER70	12	Ross Video SFP-HDB-IO-12G	12G SDI HD-BNC tranceiver SFP	*Added*
HER71	-5	Ross Video TLY-Generic-TSL	License for Generic(TSL) Multi-Viewer Protocol Support	*Removed*
HER72	1	Evertz DC-LE	DC-LIVE-EDIT software. Quick turnaround Non-Linear Editor. Software addon to existing DreamCatcher operator station. Advanced Audio/Video editing capabilities.	*Added*
Broadcast - Video Processing & Transport				
HER73	4	Ross Video GATOR-TOOLBOX-12G-LICENSE	UHD format support to GATOR-TOOLBOX	*Added*
HER74	4	Ross Video GATOR-TOOLBOX-HDR-LUT-LICENSE	HDR 3D-LUT License for GATOR-TOOLBOX	*Added*
HER75	-8	Ross Video SFP-FIBER-12G	Single-mode SFP module for GATOR-TOOLBOX-2F-R4F. Supports HD / 3G / 6G / 12G-SDI signal formats.	*Removed*
HER76	4	Ross Video SFP-FIBER-12G-2R	SFP Dual RX,12G Optical, standard sensitivity	*Added*
HER77	4	Ross Video SFP-FIBER-12G-2T	SFP Dual TX,12G Optical, 1310nm	*Added*
HER78	1	Ross Video ULTRICORE-TALLY	Ultricore BCS license to enable Tally	*Added*
HER79	-4	Ross Video XST-CLIP-SERV	Clip Server Option	*Removed*
HER80	-4	Ross Video XST-DLQ	DataLinq Server Option	*Removed*
HER81	1	Ross Video CUF-124	Carbonite Ultra Engine NO PSU Included	*Added*
HER82	1	Ross Video CUF-ADD-MOSAIC	Carbonite Ultra Mosaic License	*Added*
HER83	1	Ross Video CUF-ADD-MOSAIC-UHD	Carbonite Ultra Mosaic License	*Added*
HER84	1	Ross Video CUF-UHD-ADD-I/OPLUS-LIC	UHD FSFC Add on	*Added*
HER85	-2	Ross Video XST3-0001	XPression Studio Standard Edition (SW Only)	*Removed*
HER86	2	Ross Video XSTF-0001	XPression Studio Flex Channels (SW Only)	*Added*

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
HER87	1	Ross Video CUF-UHD-ADD-MV-LIC	UHD I/O MV License	*Added*
HER88	1	Ross Video XDS0-0001-CPS	XPression LiveCG Software Only License	*Added*
HER89	1	Ross Video ULTRIPOWER	Ultrix Rackmount 1RU power supply frame with 1 power supply loaded	*Added*
HER90	1	Ross Video ULTRIPOWER-PS	Additional modular power supply for Ultripower rack mount frame.	*Added*
Clocks				
HER91	-1	Evertz 5601MSC+2PS+GPSG+4K+PTP	Master Clock System	*Removed*
HER92	1	Evertz 5700MSC-IP+2PS	Master Sync Generator for an IP or hybrid facility with Multi-Constellation GNSS Receiver included. 6 syncs (NTSC, PAL, HD, subcarrier and Pulses). 4 SD/HD/3G TG outputs (requires +SDI-TG or +10GTG license). 2 10G Ethernets for NTP, PTP, PCR and test generator signals (test generator signals req	*Added*
HER93	-1	Evertz 7707GPS–DR	Dual GPS Data Fiber Receiver	*Removed*
HER94	1	Evertz 7707GPS-DR13-F2+3RU+SC	GPS data receiver card, Dual Fiber, 1310nm FP Tx and Rx	*Added*
HER95	-1	Evertz 7707GPS–DT	Dual GPS Data Fiber Transmitter	*Removed*
HER96	1	Evertz 7707GPS-DT13-F2+SC+3RU	GPS data transmitter card, Dual Fiber, 1310nm FP Tx and Rx	*Added*
HER97	1	Evertz WA-T07	150' I/F CABLE FOR GPSII	*Added*

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
Event Level - Rack Rooms: 01.23.03 - Head End				
AV - Equipment Racks				
HER98	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec	*Added*
HER99	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1	*Added*
HER100	1	Middle Atlantic CC-44-312	44 RU Cable Chase, 31 Inches to 32 Inches Deep for MRK,WRK,VRK Racks	*Added*
HER101	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light	*Added*
HER102	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex	*Added*
HER103	1	Middle Atlantic MPR-9A	MPR Raceway, 80	*Added*
HER104	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module	*Added*
HER105	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3	*Added*
HER106	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W	*Added*
HER107	1	Middle Atlantic T-80X6	80 Tails - 6 Pack	*Added*
HER108	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK	*Added*
Broadcast - Pre-Wire				
HER109	-9	Bittree B48DC-HNSST/E3 M2OU12L	2X24 2RU 1/4 INCH LONG-FRAME PATCHBAY, FRONT SELECTABLE TRS AUDIO. E3 REAR INTERFACE, HALF NORMAL SWITCHED GROUNDS, 12" DEEP CHASSIS	*Removed*
HER110	-18	Bittree LPC2400-110	1/4 Inch Long Frame Audio Patch Cable 2' Black	*Removed*
HER111	-18	Bittree LPC2402-110	1/4 Inch Long Frame Audio Patch Cable 2' Red	*Removed*
HER112	-18	Bittree LPC2404-110	1/4 Inch Long Frame Audio Patch Cable 2' Yellow	*Removed*
HER113	-18	Bittree LPC2405-110	1/4 Inch Long Frame Audio Patch Cable 2' Green	*Removed*
HER114	-18	Bittree LPC4800-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Black	*Removed*
HER115	-18	Bittree LPC4802-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Red	*Removed*

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REVISION TO MAJOR EQUIPMENT LIST - ADDENDUM #3

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
HER116	-18	Bittree LPC4804-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Yellow	*Removed*
HER117	-18	Bittree LPC4805-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Green	*Removed*
HER118	-18	Bittree LPCXF7200-110	Female XLR To 1/4 Inch Long Frame 6' Black	*Removed*
HER119	-18	Bittree LPCXM7207-110	Male XLR To 1/4 Inch Long Frame 6' Purple	*Removed*
HER120	2	Bittree S64T-1MWNBK	12G+ MINI-WECO (MIDSIZE) VIDEO PATCHBAY, 2X32, 2 RU	*Added*
HER121	10	Bittree VPCMK4802-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - RED	*Added*
HER122	10	Bittree VPCMK4805-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - GREEN	*Added*
HER123	10	Bittree VPCMK4806-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - BLUE	*Added*
HER124	10	Bittree VPCMK4807-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - PURPLE	*Added*
HER125	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.	*Added*
HER126	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.	*Added*
HER127	15	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST	*Added*
HER128	36	Panduit F92ELLNLNSNM0.5	The duplex fiber patch cord is OS2 with a 1.6mm cable jacket. It is Low Smoke Zero Halogen (LSZH), features LC Duplex to LC Duplex connectors, has standard insertion loss and is 0.5 meter in length	*Added*
HER129	36	Panduit F92ERLNLNSNM001	Opti-Core 2 Fiber Patch Cord, OS1/OS2, LC Duplex, Riser, 1 Meter	*Added*
HER130	12	Panduit FHS9N-12-10P	HD Flex LC Splice Cassette, OS2, 12 Fiber Discrete Pigtail	*Added*
HER131	1	Panduit FLEX2U06	HD Flex™ Fiber Enclosure, 2 RU, 6 Ports, Black	*Added*
Broadcast - Video Processing & Transport				
HER132	4	Ross Video GATOR-TOOLBOX-12G-LICENSE	UHD format support to GATOR-TOOLBOX	*Added*

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
HER133	4	Ross Video GATOR-TOOLBOX-HDR-LUT-LICENSE	HDR 3D-LUT License for GATOR-TOOLBOX	*Added*
HER134	-8	Ross Video SFP-FIBER-12G	Single-mode SFP module for GATOR-TOOLBOX-2F-R4F. Supports HD / 3G / 6G / 12G-SDI signal formats.	*Removed*
HER135	4	Ross Video SFP-FIBER-12G-2R	SFP Dual RX,12G Optical, standard sensitivity	*Added*
HER136	4	Ross Video SFP-FIBER-12G-2T	SFP Dual TX,12G Optical, 1310nm	*Added*
Clocks				
HER137	-1	Evertz 7801FR	Modular frame, 1RU, 4 slots	*Removed*
HER138	1	Evertz 7801FR+781PS	1RU Multiframe Which Holds up to 4 Single Slot or 2 Dual Slot Modules, Requires Rear Plate Option for Modules Redundant Power Supply for 7801FR	*Added*

Concourse Level - Rack Rooms: 02.11.03 - TR 06

Broadcast - Video Processing & Transport

HER139	-1	Evertz 7801FR	Modular frame, 1RU, 4 slots	*Removed*
HER140	1	Evertz 7801FR+781PS	1RU Multiframe Which Holds up to 4 Single Slot or 2 Dual Slot Modules, Requires Rear Plate Option for Modules Redundant Power Supply for 7801FR	*Added*

Concourse Level - Rack Rooms: 02.06.03 - TR 07

Broadcast - Video Processing & Transport

HER141	-1	Evertz 7801FR	Modular frame, 1RU, 4 slots	*Removed*
HER142	1	Evertz 7801FR+781PS	1RU Multiframe Which Holds up to 4 Single Slot or 2 Dual Slot Modules, Requires Rear Plate Option for Modules Redundant Power Supply for 7801FR	*Added*

Suite Level - Inner Bowl: 03.01.00 - Bowl - Suite

Video - dvLED

HER143	-1	Planar Custom Curved Board	Curved Center Hung Board with processing per Planar Quote #	*Removed*

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
Suite Level - Food Service Spaces: 03.03.02 - Loge Club				
Loudspeakers - Distributed				
HER144	-2	Bose Professional AMU105-B	Outdoor Loudspeaker - black	*Removed*
HER145	-10	Bose Professional AMU206-B	Outdoor Loudspeaker - black	*Removed*
HER146	18	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White	*Added*
HER147	4	Bose Professional EM90 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White	*Added*

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
Suite Level - Technical Operation Spaces: 03.21.02 - Video Production-Glass				
Broadcast - Pre-Wire				
HER148	-3	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST	*Removed*
HER149	48	Panduit CJ688TGXX	Mini-Com® Cat 6 UTP RJ45 TG Jack Module, Select Jack Color As Required Per Specifications and Drawings.	*Added*
HER150	1	Panduit CPPLA48WBLY	Mini-Com® Angled Patch Panel, 48 port, 2 RU, BL	*Added*
HER151	36	Panduit F92ELLNLNSNM0.5	The duplex fiber patch cord is OS2 with a 1.6mm cable jacket. It is Low Smoke Zero Halogen (LSZH), features LC Duplex to LC Duplex connectors, has standard insertion loss and is 0.5 meter in length	*Added*
HER152	36	Panduit F92ERLNLNSNM001	Opti-Core 2 Fiber Patch Cord, OS1/OS2, LC Duplex, Riser, 1 Meter	*Added*
HER153	12	Panduit FHS9N-12-10P	HD Flex LC Splice Cassette, OS2, 12 Fiber Discrete Pigtail	*Added*
HER154	1	Panduit FLEX2U06	HD Flex™ Fiber Enclosure, 2 RU, 6 Ports, Black	*Added*
HER155	48	Panduit UTP6AX5XX	TX6A™ 10Gig Cat 6A UTP Patch Cord 5-Foot,Select Patch Cord Color As Required Per Specifications And Drawings	*Added*
Broadcast Network				
HER156	4	Luminex 10g SMF Transceiver	This single mode fiber (SMF) SFP+ transceiver provides 10GBase-LR throughput to up to 10km making use of a wavelength of 1310nm over a duplex LC connector.	*Added*
HER157	1	Luminex GigaCore 30i	10Gb AV Network Switch with PoE++ (Single PSU)	*Added*
Clocks				
HER158	-1	Evertz 7801FR	Modular frame, 1RU, 4 slots	*Removed*
HER159	1	Evertz 7801FR+781PS	1RU Multiframe Which Holds up to 4 Single Slot or 2 Dual Slot Modules, Requires Rear Plate Option for Modules Redundant Power Supply for 7801FR	*Added*

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REVISION TO MAJOR EQUIPMENT LIST - ADDENDUM #3

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
Suite Level - Technical Operation Spaces: 03.21.01 - Audio				
Audio - Mixing Console System				
HER160	-1	DiGiCo FC-Q225	Q225 3 Piece Flight Case with Pullout Keyboard on Casters	*Removed*
HER161	1	DiGiCo FC-Q326	Q326 3 Piece Flight Case with Pullout Keyboard on Casters	*Added*
HER162	-1	DiGiCo X-Q225-W-WS-OP	Q225 Control Surface - MADI & One Multi-Mode Optics HMA Connections: MADI x 4 Optics x 1, Internal Waves Card, UB-MADI, DMI Port x 2 Connectors: BNC, HMA	*Removed*
HER163	1	DiGiCo X-Q326-W-WS-OP	Q326 Control Surface - MADI & One Multi-Mode Optics HMA Connections: MADI x 4 Optics x 1, Internal Waves Card, UB-MADI, DMI Port x 2 Connectors: BNC, HMA	*Added*
Catwalk Level: SW Platform				
Broadcast - Pre-Wire				
HER164	12	Panduit F92ELLNLNSNM0.5	The duplex fiber patch cord is OS2 with a 1.6mm cable jacket. It is Low Smoke Zero Halogen (LSZH), features LC Duplex to LC Duplex connectors, has standard insertion loss and is 0.5 meter in length	*Added*
HER165	12	Panduit F92ERLNLNSNM001	Opti-Core 2 Fiber Patch Cord, OS1/OS2, LC Duplex, Riser, 1 Meter	*Added*
HER166	2	Panduit FHS9N-12-10P	HD Flex LC Splice Cassette, OS2, 12 Fiber Discrete Pigtail	*Added*
HER167	1	Panduit FLEX2U06	HD Flex™ Fiber Enclosure, 2 RU, 6 Ports, Black	*Added*
Broadcast - Video Processing & Transport				
HER168	-1	Evertz 7801FR	Modular frame, 1RU, 4 slots	*Removed*
HER169	1	Evertz 7801FR+781PS	1RU Multiframe Which Holds up to 4 Single Slot or 2 Dual Slot Modules, Requires Rear Plate Option for Modules Redundant Power Supply for 7801FR	*Added*
Loose Equipment				
Clocks				
HER170	-2	OES M1200IWV	4" Locker Room Clock (White)	*Removed*

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REVISION TO MAJOR EQUIPMENT LIST - ADDENDUM #3

Location

System

ID#	QTY	Manufacturer/Model	Description	Change Status
Alternates Event Level: 01.12.05 - Head Coach Office (Part of Alternate #5)				
Clocks				
HER171	1	OES M1200IWV	4" Locker Room Clock (White)	*Added*

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MAJOR EQUIPMENT LIST

HENDERSON ENGINEERS

Location

System

ID#	QTY	Manufacturer/Model	Description
Plaza			
Broadcast - Pre-Wire			
HE 1	3	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 2	3	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 3	6	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
Event Level - Inner Bowl: 01.00.00 - Floor - Event			
Video - dvLED			
HE 4	4	OES Custom	dvLED Scoring Tables For Basketball
Clocks			
HE 5	1	OES DIST-1I3O	Small Distribution Panel
HE 6	2	OES GLR-485	Hockey Rotating Goal Light - RS485
HE 7	1	OES HW186Q+	ISC EDGE Protective Case
HE 8	1	OES ISC-EDGE-PR	Scoring Controller - ISC-EDGE w/o radio PRO
HE 9	1	OES ISCRMT-GT	ISC Remote - Game Time
HE 10	1	OES ISCRMT-ST	ISC Remote - Shot Time
HE 11	2	OES SHOTCLOCKMOUNT-LG	Mount Kit - Backboard Shot Clock - Large
HE 12	2	OES SHOTCLOCKMOUNT-SMALL	Mount Kit - Side Shot Clock - Small
HE 13	2	OES SHOTS-ST	Basketball Shot Clock - (Lg+Sm)
HE 14	2	OES SL-BB-EOP-A	Strip Light Kit - Backboard End-of-Period
HE 15	2	OES SL-BB-ESC-A	Strip Light Kit - Backboard Shot Clock
HE 16	1	Precison Time Systems PTS-900	Precision time electronic whistle Systems

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Hallways & Corridor: 01.05.01 - NW Tunnel			
Broadcast - Pre-Wire			
HE 17	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 18	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 19	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 20	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 21	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Event Level - Hallways & Corridor: 01.11.01 - Tunnel			
Broadcast - Pre-Wire			
HE 22	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 23	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 24	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 25	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 26	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Hallways & Corridor: 01.17.01C - Home Team Tunnel			
Broadcast - Pre-Wire			
HE 27	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 28	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 29	1	Clark Wire and Cable X-FB1-STSM-06	Fiber Splice Enclosure 1RU 1x6 ST
HE 30	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 31	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 32	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Broadcast - Audio Processing & Transport			
HE 33	2	DiGiCo OPTIC-CHA-ST	HMA Optics panel mount to ST (2x) Optics Cable 75cm Connectors: HMA to ST * 2 Required for A & B connection
Loudspeakers - Distributed			
HE 34	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 35	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 36	3	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 37	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 38	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 39	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
HE 40	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 41	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Event Level - Hallways & Corridor: 01.17.01B - Visiting Tunnel

Broadcast - Pre-Wire

HE 42	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 43	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 44	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 45	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 46	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)

Loudspeakers - Distributed

HE 47	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 48	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 49	3	Custom Loudspeaker Rigging	Material & Labor As Required

Video - Displays

HE 50	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 51	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 52	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated

Video - Processing & Transport

HE 53	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Hallways & Corridor: 01.22.01 - Tunnel 22			
Broadcast - Pre-Wire			
HE 54	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 55	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 56	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 57	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 58	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Hallways & Corridor: 00.00.00 - North Center Tunnel			
Broadcast - Pre-Wire			
HE 59	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 60	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 61	1	Clark Wire and Cable X-FB1-STSM-06	Fiber Splice Enclosure 1RU 1x6 ST
HE 62	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 63	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 64	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Broadcast - Audio Processing & Transport			
HE 65	2	DiGiCo OPTIC-CHA-ST	HMA Optics panel mount to ST (2x) Optics Cable 75cm Connectors: HMA to ST * 2 Required for A & B connection
Loudspeakers - Distributed			
HE 66	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 67	2	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Hallways & Corridor: 01.28.01 - SW Tunnel			
Broadcast - Pre-Wire			
HE 68	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 69	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 70	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 71	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 72	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Hallways & Corridor: 01.13.06 - Service Corridor			
Loudspeakers - Distributed			
HE 73	1	Bose Professional DM6C - Black	In-Ceiling Loudspeaker - Black
HE 74	11	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 75	12	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 76	12	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 77	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 78	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 79	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
HE 80	1	Samsung QB50C	50" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 81	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 82	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Hallways & Corridor: 01.17.02 - Team Corridor			
Broadcast - Pre-Wire			
HE 83	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 84	2	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 85	2	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 86	2	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Loudspeakers - Distributed			
HE 87	10	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 88	10	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 89	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 90	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 91	2	Samsung QB50C	50" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 92	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 93	2	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Hallways & Corridor: 01.20.05 - Service Corridor 01			
Loudspeakers - Distributed			
HE 94	4	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 95	4	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 96	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 97	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 98	1	Samsung QB50C	50" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 99	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 100	1	OES M1200IWV	4" Locker Room Clock (White)
Event Level - Hallways & Corridor: 01.32.02 - Service Corridor 02			
Loudspeakers - Distributed			
HE 101	8	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 102	8	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 103	5	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 104	5	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 105	5	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 106	5	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Hallways & Corridor: 01.26.01 - Service Corridor 03			
Broadcast - Pre-Wire			
HE 107	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 108	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 109	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 110	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 111	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Loudspeakers - Distributed			
HE 112	8	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 113	8	Custom Loudspeaker Rigging	Material & Labor As Required
Event Level - Hallways & Corridor: 01.14.05 - Player/VIP Entry			
Loudspeakers - Distributed			
HE 114	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 115	1	Custom Loudspeaker Rigging	Material & Labor As Required
Event Level - Hallways & Corridor: 01.15.06 - Home Team Entry			
Loudspeakers - Distributed			
HE 116	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 117	1	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Hallways & Corridor: 01.18.07 - Visitor Locker Entry			
Loudspeakers - Distributed			
HE 118	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 119	3	Custom Loudspeaker Rigging	Material & Labor As Required
Event Level - Hallways & Corridor: 01.22.02 - Marshalling Area			
Loudspeakers - Distributed			
HE 120	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 121	7	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 122	7	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 123	10	Custom Loudspeaker Rigging	Material & Labor As Required
Clocks			
HE 124	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Hallways & Corridor: X - Bowl X			
Broadcast - Pre-Wire			
HE 125	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 126	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 127	1	Clark Wire and Cable X-FB1-STSM-06	Fiber Splice Enclosure 1RU 1x6 ST
HE 128	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 129	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 130	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Broadcast - Audio Processing & Transport			
HE 131	2	DiGiCo OPTIC-CHA-ST	HMA Optics panel mount to ST (2x) Optics Cable 75cm Connectors: HMA to ST * 2 Required for A & B connection

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Lobbys: 01.31.03 - Grand Hall			
Broadcast - Pre-Wire			
HE 132	8	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 133	4	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 134	8	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 135	8	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Loudspeakers - Distributed			
HE 136	18	Bose Professional AMU105-B	Outdoor Loudspeaker - black
HE 137	10	Bose Professional AMU108-B	Outdoor Loudspeaker - black
HE 138	4	Bose Professional CVT-MA12EX - Black	Transformer for MA12EX Modular Line Array Loudspeakers - Black
HE 139	4	Bose Professional MA12EX - Black	Full-Range Modular Line Array - Black
HE 140	6	Bose Professional MSA12X - Black	Powered Beam-Steering Array Loudspeaker - Black
HE 141	38	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 142	38	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 143	6	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 144	13	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 145	5	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
HE 146	8	Samsung QB75C	75" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 147	13	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Lobbys: 01.05.02 - Event Concourse 01			
Broadcast - Pre-Wire			
HE 148	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 149	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 150	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 151	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 152	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Loudspeakers - Distributed			
HE 153	3	Bose Professional DM6C - Black	In-Ceiling Loudspeaker - Black
HE 154	20	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 155	20	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 156	23	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 157	5	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 158	5	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 159	4	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
HE 160	1	Samsung QB50C	50" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 161	5	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Lobbys: 01.28.02 - Event Concourse 02			
Loudspeakers - Distributed			
HE 162	11	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 163	8	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 164	8	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 165	19	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 166	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 167	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 168	1	Samsung QB50C	50" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 169	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Ballrooms: 01.29.03 - Ballroom 01			
Audio - Microphones			
HE 170	1	Custom Antenna Plugbox	Antenna Connection Plate (Reference Drawings & Specs)
HE 171	1	RF Venue D-ARC	Diversity Architectural Antenna for Wireless Microphones
Audio - Processing & Transport			
HE 172	2	QSC D2i	Single gang US Dante/AES67 Wall Plate with 2 Mic/Line Inputs on XLR and 1/4” TRS combo connectors, PoE (includes white and black faceplates, Axiom bus expansion capable).
HE 173	2	QSC unD6IO	4x2 Channel Dual Gang US, Dante/AES67 Wall Plate 2 Mic/Line In (XLR), RCA, 3.5 mm I/O, PoE (white and black faceplates included).
AV - Custom Plates & Panels			
HE 174	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 175	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Loudspeakers - Distributed			
HE 176	6	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 177	6	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Ballrooms: 01.30.03 - Ballroom 02			
Audio - Microphones			
HE 178	1	Custom Antenna Plugbox	Antenna Connection Plate (Reference Drawings & Specs)
HE 179	1	RF Venue D-ARC	Diversity Architectural Antenna for Wireless Microphones
Audio - Processing & Transport			
HE 180	1	AtlasIED TSD-DAC2I	2-Channel Balance Line Input to Dante® Interface
HE 181	2	QSC D2i	Single gang US Dante/AES67 Wall Plate with 2 Mic/Line Inputs on XLR and 1/4” TRS combo connectors, PoE (includes white and black faceplates, Axiom bus expansion capable).
HE 182	2	QSC unD6IO	4x2 Channel Dual Gang US, Dante/AES67 Wall Plate 2 Mic/Line In (XLR), RCA, 3.5 mm I/O, PoE (white and black faceplates included).
AV - Custom Plates & Panels			
HE 183	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
HE 184	1	Custom Projection Screen Plugbox	Projection Screen Connection Plate (Reference Drawings & Specs)
HE 185	1	Custom Projector Plugbox	Projection Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 186	1	Global Cache IP2CC	Global Cache IP2CC iTach IP to contact closure provides wired TCP/IP connectivity to contact closure devices.
HE 187	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 188	1	QSC PS-TSCG3-H-KIT	Touchscreen Paging Station, wall-mount model with replaceable handheld microphone and an integrated push-to-talk button
Broadcast - Pre-Wire			
HE 189	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 190	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 191	2	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 192	2	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Loudspeakers - Distributed			
HE 193	4	Bose Professional AMU105-B	Outdoor Loudspeaker - black
HE 194	4	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 195	4	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Processing & Transport			
HE 196	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Video - Projection			
HE 197	1	Custom Projection Screen Rigging	Material & Labor As Required
HE 198	1	Custom Projector Rigging	Material & Labor as Required
HE 199	2	Draper Custom Quote: SQDADEU461929-1	Part of MFG Quote: SQDADEU461929-1 (Lift 1) *UL Approved 110v Motor *Black SLX17 N Lift with 36 in. Show Position Includes *2-CAT-6 50'
HE 200	1	Draper Custom Quote:SQDADEU461929-1	Part of MFG Quote: SQDADEU461929-1 (Screen 2) *142 3/4" Diagonal Custom HDTV (16:9) XH900X ALR *Viewing Area:70H x 124 1/2W *Total Top Drop = 55" Black *** 152" Long White Case Including Flanges *115 VAC Motor * with built-in LVC-IV *Hook up Left *121225 LVC-S LV -IV CONT STATION *SKID REQUIRED
HE 201	1	Panasonic ET-D3LEW10	1.3 – 1.7:1 Zoom lens equipped with stepping motor for use with 3DLP projectors (excluding the PT-RQ50KU)
HE 202	1	Panasonic PT-RZ14KU	14,800 Lumens (center), 3DLP Laser, WUXGA (1,920 x 1,200) Resolution, Filter-Free, Lens Not Included

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Ballrooms: 01.31.02 - Ballroom 03			
Audio - Processing & Transport			
HE 203	2	QSC D2i	Single gang US Dante/AES67 Wall Plate with 2 Mic/Line Inputs on XLR and 1/4” TRS combo connectors, PoE (includes white and black faceplates, Axiom bus expansion capable).
HE 204	2	QSC unD6IO	4x2 Channel Dual Gang US, Dante/AES67 Wall Plate 2 Mic/Line In (XLR), RCA, 3.5 mm I/O, PoE (white and black faceplates included).
AV - Custom Plates & Panels			
HE 205	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 206	1	Extron ECM S10	eBUS Partition Sensor
HE 207	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Loudspeakers - Distributed			
HE 208	4	Bose Professional AMU105-B	Outdoor Loudspeaker - black
HE 209	4	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 210	4	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Ballrooms: 01.32.04 - Ballroom 04			
Audio - Microphones			
HE 211	1	Custom Antenna Plugbox	Antenna Connection Plate (Reference Drawings & Specs)
HE 212	1	RF Venue D-ARC	Diversity Architectural Antenna for Wireless Microphones
Audio - Processing & Transport			
HE 213	1	AtlasIED TSD-DAC2I	2-Channel Balance Line Input to Dante® Interface
HE 214	2	QSC D2i	Single gang US Dante/AES67 Wall Plate with 2 Mic/Line Inputs on XLR and 1/4” TRS combo connectors, PoE (includes white and black faceplates, Axiom bus expansion capable).
HE 215	2	QSC unD6IO	4x2 Channel Dual Gang US, Dante/AES67 Wall Plate 2 Mic/Line In (XLR), RCA, 3.5 mm I/O, PoE (white and black faceplates included).
AV - Custom Plates & Panels			
HE 216	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
HE 217	1	Custom Projection Screen Plugbox	Projection Screen Connection Plate (Reference Drawings & Specs)
HE 218	1	Custom Projector Plugbox	Projection Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 219	1	Extron ECM S10	eBUS Partition Sensor
HE 220	1	Global Cache IP2CC	Global Cache IP2CC iTach IP to contact closure provides wired TCP/IP connectivity to contact closure devices.
HE 221	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Broadcast - Pre-Wire			
HE 222	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 223	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 224	2	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 225	2	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)

Location

System

ID#	QTY	Manufacturer/Model	Description
Loudspeakers - Distributed			
HE 226	4	Bose Professional AMU105-B	Outdoor Loudspeaker - black
HE 227	4	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 228	4	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Processing & Transport			
HE 229	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Video - Projection			
HE 230	1	Custom Projection Screen Rigging	Material & Labor As Required
HE 231	1	Custom Projector Rigging	Material & Labor as Required
HE 232	2	Draper Custom Quote: SQDADEU461929-1	Part of MFG Quote: SQDADEU461929-1 (Lift 1) *UL Approved 110v Motor *Black SLX17 N Lift with 36 in. Show Position Includes *2-CAT-6 50'
HE 233	1	Draper Custom Quote:SQDADEU461929-1	Part of MFG Quote: SQDADEU461929-1 (Screen 2) *142 3/4" Diagonal Custom HDTV (16:9) XH900X ALR *Viewing Area:70H x 124 1/2W *Total Top Drop = 55" Black *** 152" Long White Case Including Flanges *115 VAC Motor * with built-in LVC-IV *Hook up Left *121225 LVC-S LV -IV CONT STATION *SKID REQUIRED
HE 234	1	Panasonic ET-D3LEW10	1.3 – 1.7:1 Zoom lens equipped with stepping motor for use with 3DLP projectors (excluding the PT-RQ50KU)
HE 235	1	Panasonic PT-RZ14KU	14,800 Lumens (center), 3DLP Laser, WUXGA (1,920 x 1,200) Resolution, Filter-Free, Lens Not Included

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Ballrooms: 01.01.02 - Ballroom 05			
Audio - Processing & Transport			
HE 236	2	QSC D2i	Single gang US Dante/AES67 Wall Plate with 2 Mic/Line Inputs on XLR and 1/4” TRS combo connectors, PoE (includes white and black faceplates, Axiom bus expansion capable).
HE 237	2	QSC unD6IO	4x2 Channel Dual Gang US, Dante/AES67 Wall Plate 2 Mic/Line In (XLR), RCA, 3.5 mm I/O, PoE (white and black faceplates included).
AV - Custom Plates & Panels			
HE 238	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 239	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Loudspeakers - Distributed			
HE 240	6	Bose Professional DM6C - Black	In-Ceiling Loudspeaker - Black
HE 241	6	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Ballrooms: 01.02.03 - Ballroom 06			
Audio - Microphones			
HE 242	1	Custom Antenna Plugbox	Antenna Connection Plate (Reference Drawings & Specs)
HE 243	1	RF Venue D-ARC	Diversity Architectural Antenna for Wireless Microphones
Audio - Processing & Transport			
HE 244	2	QSC D2i	Single gang US Dante/AES67 Wall Plate with 2 Mic/Line Inputs on XLR and 1/4” TRS combo connectors, PoE (includes white and black faceplates, Axiom bus expansion capable).
HE 245	2	QSC unD6IO	4x2 Channel Dual Gang US, Dante/AES67 Wall Plate 2 Mic/Line In (XLR), RCA, 3.5 mm I/O, PoE (white and black faceplates included).
AV - Custom Plates & Panels			
HE 246	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 247	1	Extron ECM S10	eBUS Partition Sensor
HE 248	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Loudspeakers - Distributed			
HE 249	6	Bose Professional DM6C - Black	In-Ceiling Loudspeaker - Black
HE 250	6	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Ballrooms: 01.07.01 - Ballroom 07			
Audio - Microphones			
HE 251	1	Custom Antenna Plugbox	Antenna Connection Plate (Reference Drawings & Specs)
HE 252	1	RF Venue D-ARC	Diversity Architectural Antenna for Wireless Microphones
Audio - Processing & Transport			
HE 253	1	AtlasIED TSD-DAC2I	2-Channel Balance Line Input to Dante® Interface
HE 254	2	QSC D2i	Single gang US Dante/AES67 Wall Plate with 2 Mic/Line Inputs on XLR and 1/4” TRS combo connectors, PoE (includes white and black faceplates, Axiom bus expansion capable).
HE 255	2	QSC unD6IO	4x2 Channel Dual Gang US, Dante/AES67 Wall Plate 2 Mic/Line In (XLR), RCA, 3.5 mm I/O, PoE (white and black faceplates included).
AV - Custom Plates & Panels			
HE 256	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
HE 257	1	Custom Projection Screen Plugbox	Projection Screen Connection Plate (Reference Drawings & Specs)
HE 258	1	Custom Projector Plugbox	Projection Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 259	1	Global Cache IP2CC	Global Cache IP2CC iTach IP to contact closure provides wired TCP/IP connectivity to contact closure devices.
HE 260	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Broadcast - Pre-Wire			
HE 261	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 262	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 263	2	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 264	2	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Loudspeakers - Distributed			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 265	9	Bose Professional AMU105-B	Outdoor Loudspeaker - black
HE 266	9	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 267	9	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Processing & Transport			
HE 268	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Video - Projection			
HE 269	1	Custom Projection Screen Rigging	Material & Labor As Required
HE 270	1	Custom Projector Rigging	Material & Labor as Required
HE 271	2	Draper Custom Quote: SQDADEU461929-1	Part of MFG Quote: SQDADEU461929-1 (Lift 1) *UL Approved 110v Motor *Black SLX17 N Lift with 36 in. Show Position Includes *2-CAT-6 50'
HE 272	1	Draper Custom Quote:SQDADEU461929-1	Part of MFG Quote: SQDADEU461929-1 (Screen 1) *184" Diagonal HDTV (16:9) XH900X ALR *Viewing Area:90H x 160W *Total Top Drop = 28" Black *189 11/16" Long Black Case *115 VAC Motor * with built-in LVC-IV *Hook up Left *121225 LVC-S LV -IV CONT STATION *SKID REQUIRED
HE 273	1	Panasonic ET-D3LEW10	1.3 – 1.7:1 Zoom lens equipped with stepping motor for use with 3DLP projectors (excluding the PT-RQ50KU)
HE 274	1	Panasonic PT-RZ14KU	14,800 Lumens (center), 3DLP Laser, WUXGA (1,920 x 1,200) Resolution, Filter-Free, Lens Not Included

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Ballrooms: 01.07.03 - Ballroom 08			
Audio - Microphones			
HE 275	1	Custom Antenna Plugbox	Antenna Connection Plate (Reference Drawings & Specs)
HE 276	1	RF Venue D-ARC	Diversity Architectural Antenna for Wireless Microphones
Audio - Processing & Transport			
HE 277	2	QSC D2i	Single gang US Dante/AES67 Wall Plate with 2 Mic/Line Inputs on XLR and 1/4” TRS combo connectors, PoE (includes white and black faceplates, Axiom bus expansion capable).
HE 278	2	QSC unD6IO	4x2 Channel Dual Gang US, Dante/AES67 Wall Plate 2 Mic/Line In (XLR), RCA, 3.5 mm I/O, PoE (white and black faceplates included).
AV - Custom Plates & Panels			
HE 279	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 280	2	Extron ECM S10	eBUS Partition Sensor
Intercom & Paging			
HE 281	1	QSC PS-TSCG3-H-KIT	Touchscreen Paging Station, wall-mount model with replaceable handheld microphone and an integrated push-to-talk button
Broadcast - Pre-Wire			
HE 282	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 283	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 284	2	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 285	2	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Loudspeakers - Distributed			
HE 286	6	Bose Professional AMU105-B	Outdoor Loudspeaker - black
HE 287	6	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 288	6	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Ballrooms: 01.09.01 - Ballroom 09			
Audio - Microphones			
HE 289	1	Custom Antenna Plugbox	Antenna Connection Plate (Reference Drawings & Specs)
HE 290	1	RF Venue D-ARC	Diversity Architectural Antenna for Wireless Microphones
Audio - Processing & Transport			
HE 291	2	QSC D2i	Single gang US Dante/AES67 Wall Plate with 2 Mic/Line Inputs on XLR and 1/4” TRS combo connectors, PoE (includes white and black faceplates, Axiom bus expansion capable).
HE 292	4	QSC unD6IO	4x2 Channel Dual Gang US, Dante/AES67 Wall Plate 2 Mic/Line In (XLR), RCA, 3.5 mm I/O, PoE (white and black faceplates included).
AV - Custom Plates & Panels			
HE 293	4	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 294	1	Extron ECM S10	eBUS Partition Sensor
HE 295	2	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Broadcast - Pre-Wire			
HE 296	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 297	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 298	2	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 299	2	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Loudspeakers - Distributed			
HE 300	12	Bose Professional AMU105-B	Outdoor Loudspeaker - black
HE 301	12	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 302	12	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Ballrooms: 01.10.01 - Ballroom 10			
Audio - Microphones			
HE 303	1	Custom Antenna Plugbox	Antenna Connection Plate (Reference Drawings & Specs)
HE 304	1	RF Venue D-ARC	Diversity Architectural Antenna for Wireless Microphones
Audio - Processing & Transport			
HE 305	1	AtlasIED TSD-DAC2I	2-Channel Balance Line Input to Dante® Interface
HE 306	2	QSC D2i	Single gang US Dante/AES67 Wall Plate with 2 Mic/Line Inputs on XLR and 1/4” TRS combo connectors, PoE (includes white and black faceplates, Axiom bus expansion capable).
HE 307	2	QSC unD6IO	4x2 Channel Dual Gang US, Dante/AES67 Wall Plate 2 Mic/Line In (XLR), RCA, 3.5 mm I/O, PoE (white and black faceplates included).
AV - Custom Plates & Panels			
HE 308	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
HE 309	1	Custom Projection Screen Plugbox	Projection Screen Connection Plate (Reference Drawings & Specs)
HE 310	1	Custom Projector Plugbox	Projection Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 311	1	Global Cache IP2CC	Global Cache IP2CC iTach IP to contact closure provides wired TCP/IP connectivity to contact closure devices.
HE 312	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Broadcast - Pre-Wire			
HE 313	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 314	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 315	1	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 316	2	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Loudspeakers - Distributed			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 317	9	Bose Professional AMU105-B	Outdoor Loudspeaker - black
HE 318	9	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 319	9	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Processing & Transport			
HE 320	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Video - Projection			
HE 321	1	Custom Projection Screen Rigging	Material & Labor As Required
HE 322	1	Custom Projector Rigging	Material & Labor as Required
HE 323	2	Draper Custom Quote: SQDADEU461929-1	Part of MFG Quote: SQDADEU461929-1 (Lift 1) *UL Approved 110v Motor *Black SLX17 N Lift with 36 in. Show Position Includes *2-CAT-6 50'
HE 324	1	Draper Custom Quote:SQDADEU461929-1	Part of MFG Quote: SQDADEU461929-1 (Screen 1) *184" Diagonal HDTV (16:9) XH900X ALR *Viewing Area:90H x 160W *Total Top Drop = 28" Black *189 11/16" Long Black Case *115 VAC Motor * with built-in LVC-IV *Hook up Left *121225 LVC-S LV -IV CONT STATION *SKID REQUIRED
HE 325	1	Panasonic ET-D3LEW10	1.3 – 1.7:1 Zoom lens equipped with stepping motor for use with 3DLP projectors (excluding the PT-RQ50KU)
HE 326	1	Panasonic PT-RZ14KU	14,800 Lumens (center), 3DLP Laser, WUXGA (1,920 x 1,200) Resolution, Filter-Free, Lens Not Included

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Bars & Clubs: 01.17.01 - Bunker Club			
AV - Control Systems			
HE 327	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Loudspeakers - Distributed			
HE 328	2	Bose Professional AMU208-120-B	Outdoor Loudspeaker - black
HE 329	3	Bose Professional DM10S-SUB - Black	Designmax Sub Black
HE 330	8	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 331	12	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 332	20	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 333	6	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 334	6	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 335	6	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 336	1	QSC UND6IO-BT	4x2 Channel 2 Gang US, Dante/AES67 Wall Plate w/Bluetooth, RCA, 3.5mm I/O, PoE (white and black faceplates included)
HE 337	1	VITEC 18681	MGW Diamond-H - Encoder - HEVC - TS - 2x HD or 1x 4K
HE 338	6	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Food Service Spaces: 01.03.05 - Market 01			
Loudspeakers - Distributed			
HE 339	2	Bose Professional DM6C - Black	In-Ceiling Loudspeaker - Black
HE 340	2	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 341	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 342	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 343	1	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 344	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Event Level - Office Spaces: 01.04.04 - Reception			
AV - Control Systems			
HE 345	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Loudspeakers - Distributed			
HE 346	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 347	3	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 348	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 349	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 350	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 351	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Office Spaces: 01.05.03 - Conference			
Audio - Microphones			
HE 352	1	Sennheiser TCC M-F-W	The TCC M-F Kit for flush-mounting of ceiling microphone in the ceiling consists of 1x Ceiling Microphone TeamConnect Ceiling Medium, 1x front plate (white or black), 1x Flush-mount kit, 1x Chicago plenum connection box cover plate, Drilling templates, 1x Phoenix connector, 1x Safety rope, 1x Suspen
AV - Custom Plates & Panels			
HE 353	1	Custom AV Plugbox - Ceiling	Ceiling Box AVP Connection Plate (Reference Drawings & Specs)
HE 354	1	Custom AV Plugbox - Floor	Floor Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 355	1	QSC TSC-70-G3	High Definition Touch Screen Controller
HE 356	1	QSC TSC-710t-G3	Table Top Mounting Accessory For TSC-70-G3 And TSC-101-G3
Loudspeakers - Distributed			
HE 357	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 358	2	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Cameras			
HE 359	1	QSC NC-12x80	Network camera with motorized PTZ, 12x optical zoom and 80 field-of view
Video - Displays			
HE 360	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 361	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 362	1	Samsung QB75C	75" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 363	1	Barco Commercial R9861611USB1	ClickShare C-10 Gen2 - US version with 1 Button
HE 364	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Video - Switching & Routing			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 365	1	QSC NV-21-HU	Video, NV-21-Hu, SMB, Network Video Endpoint
HE 366	1	QSC NV-21-PSU	12v 10a Aux Power Supply for NV-21-HU to enable USB-C device charging
HE 367	1	QSC NV-32-H (Core Capable)	Video, NV-32-H (Core Capable), Network Video Endpoint

Event Level - Office Spaces: 01.05.09 - Admin Staff Workstations

Loudspeakers - Distributed

HE 368	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 369	2	Custom Loudspeaker Rigging	Material & Labor As Required

Event Level - Office Spaces: 01.04.05 - General Manager Office

AV - Custom Plates & Panels

HE 370	1	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)

Loudspeakers - Presentation

HE 371	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker

Video - Displays

HE 372	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 373	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 374	1	Samsung QB55C	55" 3840 x 2160, 16/7 Rated

Video - Processing & Transport

HE 375	1	Extron DTP3 R 201	4K/60 HDMI DTP3 Receiver with Audio De-Embedding
HE 376	1	Extron DTP3 T 101 D	4K/60 DTP3 Transmitter for HDMI – Decorator-Style Wallplate, Black
HE 377	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Office Spaces: 01.21.03 - Production Open Office			
Loudspeakers - Presentation			
HE 378	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 379	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 380	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 381	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 382	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Event Level - Office Spaces: 01.21.04 - Show Office 01			
Loudspeakers - Presentation			
HE 383	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 384	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 385	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 386	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 387	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Office Spaces: 01.21.05 - Show Office 02			
Loudspeakers - Presentation			
HE 388	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 389	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 390	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 391	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 392	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Event Level - Office Spaces: 01.13.10 - Security Office 01			
Video - Displays			
HE 393	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 394	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 395	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 396	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

MAJOR EQUIPMENT LIST

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Office Spaces: 01.23.05 - Security Office 02			
Video - Displays			
HE 397	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 398	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 399	1	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 400	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 401	1	OES M1200IWV	4" Locker Room Clock (White)
Event Level - Restrooms: 01.12.06 - Womens RR 01			
Loudspeakers - Distributed			
HE 402	4	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 403	4	Custom Loudspeaker Rigging	Material & Labor As Required
Event Level - Restrooms: 01.04.03 - Womens RR 02			
Loudspeakers - Distributed			
HE 404	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 405	3	Custom Loudspeaker Rigging	Material & Labor As Required
Event Level - Restrooms: 01.01.01 - Womens RR 03			
Loudspeakers - Distributed			
HE 406	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 407	2	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Restrooms: 01.10.03 - Mens RR 01			
Loudspeakers - Distributed			
HE 408	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 409	2	Custom Loudspeaker Rigging	Material & Labor As Required
Event Level - Restrooms: 01.03.03 - Mens RR 02			
Loudspeakers - Distributed			
HE 410	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 411	3	Custom Loudspeaker Rigging	Material & Labor As Required
Event Level - Restrooms: 01.32.01 - Mens RR 03			
Loudspeakers - Distributed			
HE 412	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 413	2	Custom Loudspeaker Rigging	Material & Labor As Required
Event Level - Restrooms: 01.30.04 - Family 01			
Loudspeakers - Distributed			
HE 414	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 415	1	Custom Loudspeaker Rigging	Material & Labor As Required
Event Level - Restrooms: 01.03.04 - Family 02			
Loudspeakers - Distributed			
HE 416	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 417	1	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Team Support Spaces: 01.18.06 - Visitor Locker Room			
Audio - Processing & Transport			
HE 418	1	AtlasIED TSD-DAC2I	2-Channel Balance Line Input to Dante® Interface
HE 419	1	QSC UND6IO-BT	4x2 Channel 2 Gang US, Dante/AES67 Wall Plate w/Bluetooth, RCA, 3.5mm I/O, PoE (white and black faceplates included)
AV - Custom Plates & Panels			
HE 420	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 421	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Loudspeakers - Distributed			
HE 422	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 423	3	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 424	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 425	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 426	1	Samsung QB85C	85" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 427	1	Extron DTP3 R 201	4K/60 HDMI DTP3 Receiver with Audio De-Embedding
HE 428	1	Extron DTP3 T 101 D	4K/60 DTP3 Transmitter for HDMI – Decorator-Style Wallplate, Black
HE 429	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 430	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Team Support Spaces: 01.18.07 - Visitor Locker Entry			
Loudspeakers - Distributed			
HE 431	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 432	3	Custom Loudspeaker Rigging	Material & Labor As Required
Clocks			
HE 433	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Team Support Spaces: 01.15.09 - Aux Locker Room 01			
Audio - Processing & Transport			
HE 434	1	AtlasIED TSD-DAC2I	2-Channel Balance Line Input to Dante® Interface
HE 435	1	QSC UND6IO-BT	4x2 Channel 2 Gang US, Dante/AES67 Wall Plate w/Bluetooth, RCA, 3.5mm I/O, PoE (white and black faceplates included)
AV - Custom Plates & Panels			
HE 436	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 437	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Loudspeakers - Distributed			
HE 438	6	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 439	6	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 440	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 441	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 442	1	Samsung QB85C	85" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 443	1	Extron DTP3 R 201	4K/60 HDMI DTP3 Receiver with Audio De-Embedding
HE 444	1	Extron DTP3 T 101 D	4K/60 DTP3 Transmitter for HDMI – Decorator-Style Wallplate, Black
HE 445	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 446	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Team Support Spaces: 01.16.06 - Aux Locker Room 02			
Audio - Processing & Transport			
HE 447	1	AtlasIED TSD-DAC2I	2-Channel Balance Line Input to Dante® Interface
HE 448	1	QSC UND6IO-BT	4x2 Channel 2 Gang US, Dante/AES67 Wall Plate w/Bluetooth, RCA, 3.5mm I/O, PoE (white and black faceplates included)
AV - Custom Plates & Panels			
HE 449	1	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 450	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Loudspeakers - Distributed			
HE 451	6	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 452	6	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 453	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 454	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 455	1	Samsung QB85C	85" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 456	1	Extron DTP3 R 201	4K/60 HDMI DTP3 Receiver with Audio De-Embedding
HE 457	1	Extron DTP3 T 101 D	4K/60 DTP3 Transmitter for HDMI – Decorator-Style Wallplate, Black
HE 458	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 459	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Team Support Spaces: 01.19.08 - Visiting Coaches			
Loudspeakers - Presentation			
HE 460	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 461	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 462	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 463	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 464	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 465	1	OES M1200IWV	4" Locker Room Clock (White)
Event Level - Team Support Spaces: 01.16.03 - Aux Office			
Loudspeakers - Presentation			
HE 466	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 467	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 468	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 469	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 470	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 471	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Team Support Spaces: 01.14.04 - Aux Training 01			
Loudspeakers - Presentation			
HE 472	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 473	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 474	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 475	1	Samsung QB50C	50" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 476	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 477	1	OES M1200IWV	4" Locker Room Clock (White)
Event Level - Team Support Spaces: 01.16.05 - Aux Training 02			
Loudspeakers - Presentation			
HE 478	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 479	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 480	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 481	1	Samsung QB50C	50" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 482	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 483	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Team Support Spaces: 01.15.08 - Med Exam			
Loudspeakers - Presentation			
HE 484	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 485	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 486	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 487	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 488	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 489	1	OES M1200IWV	4" Locker Room Clock (White)
Event Level - Building Support Spaces: 01.12.10 - Mens Event Staff Lockers			
Loudspeakers - Presentation			
HE 490	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 491	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 492	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 493	1	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 494	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 495	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Building Support Spaces: 01.12.11 - Staff Break Room			
Loudspeakers - Presentation			
HE 496	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 497	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 498	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 499	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 500	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Event Level - Building Support Spaces: 01.12.15 - Staff Lounge			
Loudspeakers - Presentation			
HE 501	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 502	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 503	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 504	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 505	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Building Support Spaces: 01.13.09 - Womens Event Staff Lockers			
Loudspeakers - Presentation			
HE 506	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 507	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 508	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 509	1	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 510	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 511	1	OES M1200IWV	4" Locker Room Clock (White)
Event Level - Building Support Spaces: 01.18.02 - Star Dressing 01			
Intercom & Paging			
HE 512	1	Clear-Com 110/100	110 Series Gooseneck Microphone: Short 4" / 100mm, Black, Tuchel
HE 513	1	Clear-Com HXII-KB-X4	HelixNet Speaker Station: 2/4Ch, Program Audio, Flush Mount with 4 pin XLR-Male headset
Loudspeakers - Presentation			
HE 514	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 515	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 516	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 517	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 518	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Building Support Spaces: 01.18.03 - Star Dressing 02			
Intercom & Paging			
HE 519	1	Clear-Com 110/100	110 Series Gooseneck Microphone: Short 4" / 100mm, Black, Tuchel
HE 520	1	Clear-Com HXII-KB-X4	HelixNet Speaker Station: 2/4Ch, Program Audio, Flush Mount with 4 pin XLR-Male headset
Loudspeakers - Presentation			
HE 521	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 522	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 523	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 524	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 525	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Building Support Spaces: 01.20.01 - Star Dressing/Officials 01			
Intercom & Paging			
HE 526	1	Clear-Com 110/100	110 Series Gooseneck Microphone: Short 4" / 100mm, Black, Tuchel
HE 527	1	Clear-Com HXII-KB-X4	HelixNet Speaker Station: 2/4Ch, Program Audio, Flush Mount with 4 pin XLR-Male headset
Loudspeakers - Presentation			
HE 528	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 529	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 530	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 531	1	Samsung QB50C	50" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 532	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 533	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Building Support Spaces: 01.20.01 - 01.20.03 - Star Dressing/Officials 02			
Intercom & Paging			
HE 534	1	Clear-Com 110/100	110 Series Gooseneck Microphone: Short 4" / 100mm, Black, Tuchel
HE 535	1	Clear-Com HXII-KB-X4	HelixNet Speaker Station: 2/4Ch, Program Audio, Flush Mount with 4 pin XLR-Male headset
Loudspeakers - Presentation			
HE 536	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 537	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 538	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 539	1	Samsung QB50C	50" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 540	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 541	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Building Support Spaces: 01.19.02 - Green Room / Family Lounge			
AV - Custom Plates & Panels			
HE 542	1	Custom AV Plugbox - Floor	Floor Box AVP Connection Plate (Reference Drawings & Specs)
HE 543	1	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 544	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 545	1	Clear-Com 110/100	110 Series Gooseneck Microphone: Short 4" / 100mm, Black, Tuchel
HE 546	1	Clear-Com HXII-KB-X4	HelixNet Speaker Station: 2/4Ch, Program Audio, Flush Mount with 4 pin XLR-Male headset
Broadcast - Pre-Wire			
HE 547	1	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 548	1	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 549	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Loudspeakers - Distributed			
HE 550	7	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 551	6	Custom Loudspeaker Rigging	Material & Labor As Required
HE 552	1	Sennheiser AMBEO SOUNDBAR - WALL MOUNT	Sennheiser AMBEO Soundbar Plus Mount
HE 553	1	Sennheiser AMBEO Soundbar | Max	Soundbar
HE 554	1	Sennheiser AMBEO Sub	Powered Sub For AMBEO Soundbars
Video - Displays			
HE 555	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 556	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 557	1	Samsung QB98T-B	98" 3840 x 2160, 24/7 Rated
Video - Processing & Transport			
HE 558	1	Extron DTP3 R 201	4K/60 HDMI DTP3 Receiver with Audio De-Embedding
HE 559	1	Extron DTP3 T 101 D	4K/60 DTP3 Transmitter for HDMI – Decorator-Style Wallplate, Black
HE 560	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 561	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Building Support Spaces: 01.20.02 - Officials Meeting Room			
AV - Custom Plates & Panels			
HE 562	1	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 563	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Loudspeakers - Presentation			
HE 564	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 565	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 566	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 567	1	Samsung QB75C	75" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 568	1	Barco Commercial R9861611USB1	ClickShare C-10 Gen2 - US version with 1 Button
HE 569	1	Extron DTP3 R 201	4K/60 HDMI DTP3 Receiver with Audio De-Embedding
HE 570	1	Extron DTP3 T 101 D	4K/60 DTP3 Transmitter for HDMI – Decorator-Style Wallplate, Black
HE 571	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 572	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Building Support Spaces: 01.20.06 - Crew / Media Lounge			
Audio - Processing & Transport			
HE 573	1	Custom Equipment Rack AV Panels	3RU Custom Rack panel for QSC Mic Input (2-gang Decora cutout)
HE 574	1	QSC unDX4I	4x2 Channel Dual Gang, Dante/AES67 US Wall Plate 4 Mic/Line In (XLR), Phoenix I/O, PoE.
AV - Control Systems			
HE 575	1	QSC TSC-70-G3	Q-SYS 7" PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Broadcast - Pre-Wire			
HE 576	4	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 577	2	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
HE 578	4	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 579	4	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Broadcast - Audio Processing & Transport			
HE 580	1	AudioPressBox APB-D216 R-D	APB-D216 R-D
Loudspeakers - Distributed			
HE 581	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 582	1	Bose Professional EM180	EdgeMax In-Ceiling Premium Loudspeaker, Black
HE 583	3	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 584	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 585	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 586	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 587	1	Samsung QB75C	75" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 588	1	Extron DTP3 R 201	4K/60 HDMI DTP3 Receiver with Audio De-Embedding
HE 589	1	Extron DTP3 T 101 D	4K/60 DTP3 Transmitter for HDMI – Decorator-Style Wallplate, Black
HE 590	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 591	1	OES M1200IWV	4" Locker Room Clock (White)

Event Level - Building Support Spaces: 01.28.09 - Box Office / Ticket Window

Loudspeakers - Distributed			
HE 592	4	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 593	4	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 594	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 595	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 596	2	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 597	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Event Level - Building Support Spaces: 00.00.00 Roof Loading Dock Opps

Broadcast - Pre-Wire			
HE 598	1	Custom Antenna Plugbox	Antenna Connection Plate (Reference Drawings & Specs)

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Technical Operation Spaces: 01.31.01 - Video Production			
Audio - Mixing Console System			
HE 599	1	Samsung S27A800U	27" ViewFinity S80UA UHD Monitor
AV - Computers			
HE 600	2	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse
HE 601	2	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 602	2	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 603	1	QSC TSC-101-G3	Q-SYS 10.1” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 604	14	Clear-Com 110/490	110 Series Gooseneck Microphone: Long 19" / 490mm, Black, Tuchel
HE 605	1	Clear-Com CC-110-X4	Headset: Single Ear, Light weight, XLR (F) 4 pin
HE 606	13	Clear-Com CC-220-X4	Headset: Double Ear, Light weight, XLR (F) 4 pin
HE 607	1	Programming Control	Setup and Programming of Broadcast & AV Intercom System
HE 608	1	Studio Technologies 391	Model 391 Dante Alerting Unit
HE 609	17	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Broadcast - Audio Monitor			
HE 610	2	Neumann LH 65	Table Stand for KH 120 Monitor
HE 611	13	Blackmagic Design Audio Monitor 12G G3	Rack Mount Audio Monitor - 1RU 12G-SDI
HE 612	2	Neumann KH 120 II AES67	5.25" Powered Studio Monitor - AES67 Input
Broadcast - Audio Processing & Transport			
HE 613	1	APC SRTL2K2RM1UNC	Ultra 2200VA Battery Backup

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 614	1	DiGiCo DDSPCH	Waves SG Dan Dugan Auto Mixer + Dugan Speech Bundle *32 Post Fader/Mute Inserts
HE 615	1	DiGiCo LIVETDM	Waves SG LIVE Bundle (51 Plug-Ins **may change)
HE 616	1	DiGiCo SOFTWARE-SD9B	SD9B Broadcast Application Software Suite (1 license)
HE 617	1	DiGiCo X-SD9-2P-WS-ST	DiGiCo SD9 Control Surface - MADI & One Multi-Mode Optics ST Connections: D-MADI x 2, MADI x 1, Optics x 1 Connectors: EtherCON, BNC, ST
HE 618	1	DiGiCo X-WAVES-EX2	External DiGiCo/Waves Extreme (WSGSE) Server Package Includes: Waves Extreme (WSGSE) Sound Grid Server Rack 2U 8 Port Ethernet Switch x 1, 1M x 2 & 5M x 1 CAT6 cables) Note: Plug-Ins not included *Extreme approx. 40% increase in processing
HE 619	1	DiGiCo X-WAVES-SD9	DiGiCo SD9 SD-Waves Card (internal SD Waves card, factory fit) Note: SG Rack, Switch, Cables & Plug-Ins not included
HE 620	2	Neumann KH 120 II AES67	5.25" Powered Studio Monitor - AES67 Input
HE 621	2	Neumann LH 32	Wall Bracket for KH 120 Monitor
Broadcast - Cameras			
HE 622	1	Programming Control	Setup and Programming of Broadcast Cameras, PTZ System
HE 623	2	Telemetrics RCCPO-2A-MAINT	1 year software support agreement that enables the upgrade of Telemetrics products to the latest released version
HE 624	1	Blackmagic Design ATEM Camera Control Panel	Camera Control Panel - 4 Cameras
HE 625	2	Telemetrics RCCP-2A	RCCP-2A control panel with the basic license included
HE 626	6	Sony RCP-3500	Remote Control Panel
Broadcast - Computers			
HE 627	1	Programming Control	Setup and Programming of Broadcast Computers
HE 628	8	Adder ALIF4001R	ADDERLink INFINITY KVM - Receiver
HE 629	2	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 630	2	Logitech MX Master 3S	Wireless Mouse

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 631	3	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 632	2	Ross Video XPN-KBD	XPression Keyboard
HE 633	2	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 634	5	Samsung S27A800U	27" ViewFinity S80UA UHD Monitor
Broadcast - Displays			
HE 635	8	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 636	8	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 637	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 638	2	Custom Loudspeaker Rigging	Material & Labor As Required
HE 639	1	Programming Control	Setup and Programming of Broadcast monitors, and Multiviwers
HE 640	8	Sony FWD-55A95L	55" QD-OLED Broadcast Display
HE 641	2	JVC DT-U31	4K HDR Broadcast Studio Monitor - 31.5"
HE 642	2	Sony PVM-X2400	4K HDR Broadcast Production Monitor - 24"
HE 643	5	Samsung S27A800U	27" ViewFinity S80UA UHD Monitor
Broadcast - Equipment Racks			
HE 644	2	Forecast Consoles FC-GCX-C2332	Console Furniture - 20' Total Length, Made up of 5 Position Modules
HE 645	1	Forecast Consoles FC-GCX-C333	Console Furniture - 18' Total Length, Made up of 4 Modules
Broadcast - Loose Inventory			
HE 646	14	Ergohuman Eurotech GEN2	High Back Black Mesh Office Chair with Adjustable and Flexible Lumbar Support – Headrest, Seat Slider, Armrests, and Height Adjustment, Color Black
HE 647	1	Programming Control	Setup and Programming of Broadcast Network System
HE 648	1	Programming Control	Setup and Programming of Broadcast recording, replay, graphics, and playback systems
Broadcast - Switching & Routing			

HENDERSON ENGINEERS

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 649	2	Programming Control	Setup and Programming of Broadcast Routing and Switching System
HE 650	2	Ross Video ACU-ES-1DAY	Acuity Onsite Event Support - 1 Day
HE 651	2	Ross Video ACUITY-COM-1DAY	Acuity Commissioning - 1 Day
HE 652	3	Ross Video ACUITY-OTR-1DAY	Acuity Operations Training - 1 Day
HE 653	1	Ross Video MIRA-ES-1DAY	Onsite Event Support
HE 654	5	Ross Video SLE-PM-ADMIN	Sports & Live Events Project Management Time
HE 655	1	Ross Video TRAVEL-PRE-001	Pre Paid Service Expense Trip 1
HE 656	1	Ross Video TRAVEL-PRE-002	Pre Paid Service Expense Trip 2
HE 657	1	Ross Video TRAVEL-PRE-003	Pre Paid Service Expense Trip 3
HE 658	1	Ross Video TRAVEL-PRE-005	Pre Paid Service Expense Trip 5
HE 659	1	Ross Video TRAVEL-PRE-006	Pre Paid Service Expense Trip 6
HE 660	1	Ross Video TRAVEL-PRE-007	Pre Paid Service Expense Trip 7
HE 661	1	Ross Video TRAVEL-PRE-008	Pre Paid Service Expense Trip 8
HE 662	1	Ross Video TRAVEL-PRE-009	Pre Paid Service Expense Trip 9
HE 663	2	Ross Video ULTRITOUCH-PS	Power supply for ULTRITOUCH
HE 664	2	Ross Video ULTRIX-COM-1DAY	Ultrix Onsite Commissioning - 1 Day
HE 665	1	Ross Video ULTRIX-OTR-1DAY	Ultrix Operational Training - 1 Day
HE 666	2	Ross Video XPN-ES-1DAY	XPression Onsite Event Support
HE 667	2	Ross Video XPRESSION-COM-1DAY	XPression Commissioning - 1 Day
HE 668	3	Ross Video XPRESSION-OTR-1DAY	XPression Operational Training - 1 Day
HE 669	7	Ross Video RCP-QE18	18 mnemonic button, 8 standard button, ethernet enabled RCP-QE18 remote control panel.
HE 670	2	Ross Video ULTRITOUCH-2-HR	Ethernet Enabled 2RU Hi Res LCD Touchscreen Control Panel

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 671	1	APC SRTL2K2RM1UNC	Ultra 2200VA Battery Backup
Broadcast - Video Processing & Transport			
HE 672	2	Ross Video CUF-PSU	Carbonite Ultra Standard Power Supply
HE 673	1	Ross Video TD3S-PANEL-HM	TouchDrive 3 ME S Series Panel Warranty
HE 674	1	Ross Video TD-TouchScreen	TouchDrive TouchScreen Display
HE 675	1	Ross Video TD-TouchScreen-HM	TouchDrive TouchScreen Display Warranty
HE 676	1	Training End-User Training	General End User Training Session For whole Broadcast System
HE 677	6	AJA Video Systems Hi5-12G	4K/UltraHD (12G-SDI) to HDMI 2.0 Converters
HE 678	1	AJA Video Systems Io 4K Plus	Professional Video I/O Interface
HE 679	1	Ross Video TD3S-PANEL	TouchDrive 3 ME S Series Panel
Video - Displays			
HE 680	1	Samsung S27A800U	27" ViewFinity S80UA UHD Monitor
Clocks			
HE 681	1	Evertz 1285T	12" Digital Clock Display
HE 682	1	Programming Control	Setup and Programming of Broadcast clock and scoring system

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Technical Operation Spaces: 01.31.01 - Video Production: 01.30.02 - Production Rack			
Audio - Mixing Console System			
HE 683	2	DiGiCo MOD-SDR-ADC-32B	SD series 'Ultimate Stadius' 32-Bit Input Card (8 Mic/Line Input card) w/ Remote Gain Tracking Connectors: XLR
HE 684	3	DiGiCo MOD-SDR-AES-B	SD series AES/EBU I/O Card - 4 Inputs (8 Ch.) & 4 Outputs (8 Ch.) w/ SRC (Mount in Input slot only) with Digital Split & Gain Tracking Connectors: BNC
HE 685	2	DiGiCo MOD-SDR-AES-IO	SD series AES/EBU I/O Card - 4 Inputs (8 Ch.) & 4 Outputs (8 Ch.) w/ SRC (Mount in Input slot only) with Digital Split & Gain Tracking Connectors: XLR
HE 686	2	DiGiCo MOD-SDR-DAC-32B	SD series 'Ultimate Stadius' 32-Bit Output Card (8 Line Output card) w/ Digital Split & Gain Tracking Connectors: XLR
HE 687	1	DiGiCo MOD-SDR-DANTE	SD series DANTE I/O card - 8 Inputs & 8 Outputs Connectors: CAT6
HE 688	2	DiGiCo MOD-SDR-HDSDI	SD-series SDI & HDI Embedder (8 Ch.) / De-Embedder (8 Ch.) card Connectors: BNC
HE 689	1	DiGiCo X-SD-RACK-ST	DiGiCo SD-Rack 192kHz, Multi-Mode ST 10RU Rack, 7 Input Slots & 7 Output Slots, 2 PSU's Connections: MADI x 2, Split x 2, Optics Connectors: BNC, ST
Audio - Processing & Transport			
HE 690	1	Drawmer DMS-2D-Clock	Word-Clock Measurement Distribution Amplifier
HE 691	1	Studio Technologies M5401A	Dante Leader Clock
AV - Equipment Racks			
HE 692	3	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 693	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 694	1	Adder ALIF4001R	ADDERLink INFINITY KVM - Receiver
HE 695	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse
HE 696	2	Middle Atlantic D3	3Space Anodized Drawer

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 697	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 698	1	Samsung S27A800U	27" ViewFinity S80UA UHD Monitor
HE 699	3	APC SRTL2K2RM1UNC	Ultra 2200VA Battery Backup
HE 700	3	APC SRTL50RMBP1U-LI	Ultra Lithium-Ion Battery Pack 1U
HE 701	5	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 702	1	Middle Atlantic WRK-37-32	37 RU WRK Series 24-1/4 Inch Wide Rack, 32 Inches Deep
HE 703	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
HE 704	1	Middle Atlantic WRK-24-32	24 RU WRK Series 24-1/4 Inch Wide Rack, 32 Inches Deep
AV - Patchbays & Patch Cables			
HE 705	2	Bittree B48DC-HNSST/E3 M2OU12L	2X24 2RU 1/4 INCH LONG-FRAME PATCHBAY, FRONT SELECTABLE TRS AUDIO. E3 REAR INTERFACE, HALF NORMAL SWITCHED GROUNDS, 12" DEEP CHASSIS
HE 706	20	Bittree LPC2400-110	1/4 Inch Long Frame Audio Patch Cable 2' Black
HE 707	20	Bittree LPC2402-110	1/4 Inch Long Frame Audio Patch Cable 2' Red
HE 708	20	Bittree LPC2404-110	1/4 Inch Long Frame Audio Patch Cable 2' Yellow
HE 709	20	Bittree LPC2405-110	1/4 Inch Long Frame Audio Patch Cable 2' Green
HE 710	8	Bittree LPCXF7200-110	Female XLR To 1/4 Inch Long Frame 6' Black
HE 711	8	Bittree LPCXM7207-110	Male XLR To 1/4 Inch Long Frame 6' Purple
HE 712	2	Bittree PCHA	AUDIO PATCH CABLE HOLDER
Intercom & Paging			
HE 713	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 714	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 715	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Broadcast - Pre-Wire			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 716	20	Bittree LPMK7505	12G+ MINI-WECO 75 OHM VIDEO LOOPING PLUGS
HE 717	6	Bittree PCHV	VIDEO PATCH CABLE HOLDER
HE 718	7	Bittree S64T-1MWNBK	12G+ MINI-WECO (MIDSIZE) VIDEO PATCHBAY, 2X32, 2 RU
HE 719	20	Bittree VBB4800-75	VBB4800-75 - 4', Black
HE 720	30	Bittree VPCMK4802-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - RED
HE 721	30	Bittree VPCMK4805-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - GREEN
HE 722	30	Bittree VPCMK4806-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - BLUE
HE 723	30	Bittree VPCMK4807-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - PURPLE
HE 724	2	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 725	2	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 726	20	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 727	5	Clark Wire and Cable X-MPAS-I-8P	SMPTE Splice Enclosure, 2RU Angled In, 8 Plug
HE 728	1	Clark Wire and Cable X-MPAS-O-8S	SMPTE Splice Enclosure, 2RU Angled Out, 8 Socket
HE 729	96	Panduit CJ688TGXX	Mini-Com® Cat 6 UTP RJ45 TG Jack Module, Select Jack Color As Required Per Specifications and Drawings.
HE 730	2	Panduit CPPLA48WBLY	Mini-Com® Angled Patch Panel, 48 port, 2 RU, BL
HE 731	96	Panduit UTP6AX5XX	TX6A™ 10Gig Cat 6A UTP Patch Cord 5-Foot,Select Patch Cord Color As Required Per Specifications And Drawings
Broadcast - Audio Monitor			
HE 732	1	Blackmagic Design Audio Monitor 12G G3	Rack Mount Audio Monitor - 1RU 12G-SDI
HE 733	1	Neumann KH 120 II AES67	5.25" Powered Studio Monitor - AES67 Input
Broadcast - Computers			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 734	5	Adder ALIF4001T	ADDERLink INFINITY KVM - Transmitter
HE 735	5	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
Broadcast - Displays			
HE 736	6	Blackmagic Design SMARTSCOPE DUO 4K 2	Rack-Mounted Dual 6G-SDI Monitor
HE 737	1	Blackmagic Design SMARTVIEW 4K G3	Ultra HD broadcast monitor with multi rate 12G-SDI
Broadcast Network			
HE 738	6	Luminex 10g SMF Transceiver	This single mode fiber (SMF) SFP+ transceiver provides 10GBase-LR throughput to up to 10km making use of a wavelength of 1310nm over a duplex LC connector.
HE 739	2	Luminex GigaCore 30i	10Gb AV Network Switch with PoE++ (Single PSU)
Broadcast - Playback & Recording			
HE 740	6	AJA Video Systems KI PRO ULTRA 12G	12G-SDI 4K/UHD/HD Recorder and Player Multi-Channel HD Recorder
HE 741	6	AJA Video Systems KPU-Power-Supply	Optional 2nd KPU-Power-Supply
HE 742	12	AJA Video Systems PAK 1000	Reliable SSD Recording Media, 1TB
Broadcast - Switching & Routing			
HE 743	3	Ross Video ACUFR12-CPU	Acuity FR12 Series Frame CPU
HE 744	3	Ross Video ACUFR-3DDVE-LIC	Acuity 3D DVE license
HE 745	3	Ross Video ACUFR-UHD-ME	Acuity UHD ME license
HE 746	1	Ross Video PS-OGX	600 Watt Universal Power Supply for OGX Frame
HE 747	1	Ross Video SFP-RJ45-1G	1G Copper/RJ45 GbE SFP
HE 748	2	Ross Video ULTRICORE-BCS-PS	Redundant power supply for ULTRICORE-BCS
HE 749	3	Ross Video ULTRIPOWER	Ultrix Rackmount 1RU power supply frame with 1 power supply
HE 750	3	Ross Video ULTRIPOWER-PS	Modular power supply for Ultripower rack mount PS frame

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 751	1	Ross Video ULTRITOUCH-2-HR	Ethernet Enabled 2RU Hi Res LCD Touchscreen Control Panel
HE 752	1	Ross Video ULTRITOUCH-PS	Power supply for ULTRITOUCH
HE 753	1	Ross Video ACUFR-ROBOCAM	Robotic Camera System Interface
HE 754	3	Ross Video FCD-6847	FIBER CWDM DMX, 8 CH
HE 755	1	TP-Link TL-POE160S	PoE+ Injector
HE 756	2	Evertz LM-CORE-HC7T	1RU Live Media high compute processing core for hosting Evertz Live Media applications.
HE 757	1	Ross Video ACUFR-ROUTER-ROSS	Routing Switcher Interface
HE 758	1	Ross Video FCD-6849	FIBER CWDM DMX, 8 CH w. EXP
HE 759	6	Evertz DC-IO-MX4-12G-SDI	12G/3G/HD IO module supporting two configurations. Configuration 4x 12G/3G/HD IN/OUT in any configuration Used on DC-CORE-PLUS hardware.
HE 760	2	Ross Video FCM-6846	FIBER CWDM MUX, 8 CH
HE 761	48	Ross Video SFP-FIBER-12G	SFP Transceiver,12G Optical, 1310nm
HE 762	16	Evertz SFP10G-TR13-J	SFP+ Optical Transceiver, 10Gbps, 1310nm, SMF, 10km
HE 763	1	Ross Video FCM-6848	FIBER CWDM MUX, 8 CH w. EXP
HE 764	1	Ross Video SFP-MADI-COAX	Coax MADI transceiver SFP
HE 765	7	Evertz DC-IXXS-240F-4K	This feature key provides 240fps of JPEGXS encoding or decoding on any DreamCatcher/BRAVO E series core plus platform. Supported video formats of 240fps of 720p, 1080i, 1080p and 4K-UHD.
HE 766	1	Ross Video OGX-FR-CNS	openGear OGX Frame with Cooling, Advanced Networking & SNMP
HE 767	3	Ross Video SWR-SDPE	Software Defined Production Engine
HE 768	8	Evertz DC-CONTINUOUS-REC	Each DC-CONTINUOUS-REC provides a single continuous ingest channel of high bitrate record with frame accurate content access.

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 769	4	Evertz LM-CORE-HC	1RU Live Media high compute processing core for hosting Evertz Live Media applications.
HE 770	2	Ross Video ULTRICORE-BCS	Ultricore HW Controller Platform w/support for up to 100 clients
HE 771	4	Evertz DC-OUTPUT	Each DC-OUTPUT software app provides a single live production playout channel. The app provides frame based shuttling on outputs, slow motions playout, real-time transitions.
HE 772	1	Ross Video ULTRIMIX-DANTE	Dante 64ch I/O license for Ultrix cards
HE 773	2	Evertz DC-REPLAY-UI	DreamCatcher software application providing a single instance and single login to the DreamCatcher Replay User Interface.
HE 774	1	Ross Video ULTRIMIX-MXR	Software enabled 32x16 virtual audio mixer for Ultrix routing platforms
HE 775	4	Evertz DC-LINEAR-PLAYOUT	The DC-LINEAR-PLAYOUT provides a single software key for a simple linear playout channel.
HE 776	4	Ross Video ULTRIPROC	Procamp, color correction and SDR/HDR conversion license for Ultrix "x" series cards.
HE 777	2	Evertz DC-PLAYER-UI	DreamCatcher software application providing a single instance and single login to the DreamCatcher Playout User Interface.
HE 778	12	Ross Video ULTRISCAPE	Ultriscape Multiviewer License
HE 779	2	Evertz DC-RCP-10	Remote Control Panel, w/LCD Screen, J/S Knob, Fader Bar
HE 780	1	Ross Video ULTRISPEED-FR12	Ultrispeed 12Gb/s License for Ultrix-FR12
HE 781	1	Evertz LM-CORE-SC	Standard 1RU Live Media processing core hosting Evertz Live
HE 782	1	Ross Video ULTRISRC	Ultrisrc SRC and Audio Delay on MADI License
HE 783	1	Evertz DC-MEDIA-FLEX	The DC-MEDIA-FLEX software app provides the following capabilities: Management of all jobs and processes on a DreamCatcher cluster, real-time growing file support, intelligent transcoding prioritization, transcoding of all major broadcast codecs, video format conversion.
HE 784	6	Ross Video ULTRISYNC	Ultrisync Framesync License
HE 785	1	Evertz DC-MEDIA-BRIDGE	The DC-MEDIA-BRIDGE software app provides management and

Location

System

ID#	QTY	Manufacturer/Model	Description
			access to external networks for the DreamCatcher cluster.
HE 786	1	Ross Video ULTRISYNC-UHD16	16 UHD Framesync License Bundle
HE 787	1	Evertz DC-MEDIA-DIRECTOR	DreamCatcher Media Director Software.
HE 788	1	Ross Video ULTRIX-FR12	Ultrix 12RU Frame. Includes x2 Ultripower . Ultricore-BCS is required.
HE 789	1	Evertz PKG-SCORP-S18-IPX16	1RU SCORPION IPX package supporting 16 rear SFP/SFP+ ports supporting 1/10G connectivity. Includes dual frame controller. Power bricks and SFP/SFP+ not included
HE 790	8	Ross Video ULTRIX-HDX-IO	I/O board -16x16, Advanced Connectivity, 2 AUX I/O
HE 791	1	Evertz SCORPION-18-PSX	External power brick for SCORPION-18 chassis types. Up to 280W output
HE 792	8	Ross Video ULTRIX-MOD-SFP	SFP IO sub-module for ULTRIX-MODX-IO
HE 793	4	Evertz LIVE-PRODUCTION-COMMISSIO	1 day on-site commissioning.
HE 794	2	Ross Video ULTRIX-MODX-IO	Modular I/O Board for ULTRIX-MOD sub-modules.
HE 795	1	Evertz Expenses	Travel, accommodations and other reasonable out of pocket expenses.
HE 796	1	Ross Video TLY-DLQ-SW	DataLinq Server option
HE 797	3	Evertz LIVE-PRODUCTION-TRAINING	1 Day On-site Live Production Training.
HE 798	5	Ross Video TLY-Generic-TSL	License for Generic(TSL) Multi-Viewer Protocol Support
HE 799	1	Evertz Expenses	Travel, accommodations and other reasonable out of pocket expenses.
HE 800	3	Ross Video TLY-TXI48	GPI I/O Interface with 48 Jumper Config Inputs and 48 Contact Closure Outputs (incl 2 external P/S)
HE 801	6	Adder ALIF4001T	ADDERLink INFINITY KVM - Transmitter
Broadcast - Video Processing & Transport			
HE 802	1	Engineering Solutions DecaBox	DMX,Midi, Serial, IR protocol converter
HE 803	2	Ross Video AMX-8952-FS-LICENSE	Frame Synchronizer and Delay License for AMX-8952 (12G-SDI* Audio Embedder with Unbalanced/Balanced

Location

System

ID#	QTY	Manufacturer/Model	Description
			AES
HE 804	2	Ross Video AMX-8952-UHD-LICENSE	Adds support for UHD video formats to AMX-8952 (12G-SDI* Audio Embedder with Unbalanced/Balanced AES)
HE 805	1	Ross Video DB-INT-LIGHTING	DashBoard Lighting Console Interface
HE 806	2	Ross Video GATOR-FRC-LICENSE	Frame Rate Conversion software license for GATOR-TOOLBOX
HE 807	2	Ross Video PS-OGX	Redundant Power Supply for OGX-FR Frame
HE 808	1	Ross Video R3B-8952	Rear Module for AMX-8952-B
HE 809	1	Ross Video R3C-8952	Rear Module for AMX-8952-C
HE 810	2	Ross Video R3F-8932	Rear Module for SHC-8932-F
HE 811	4	Ross Video SFP-FIBER-12G	Single-mode SFP module for GATOR-TOOLBOX-2F-R4F. Supports HD / 3G / 6G / 12G-SDI signal formats.
HE 812	4	Ross Video SFP-FIBER-12G-1R	12G Fiber Receiver - Single
HE 813	1	Ross Video XPN-HW-CORE-V3	XPression 1RU Core Workflow Tools Chassis
HE 814	1	Ross Video XPN-PS	XPression Project Server (SW Only)
HE 815	2	Ross Video XST-CLIP-SERV	Clip Server Option
HE 816	2	Ross Video XST-DLQ	DataLinq Server Option
HE 817	2	Ross Video ADA-8405-C-R2C	ADA-8405-C plus Rear Module - Analog Audio and Time code Distributed Amplifier with Remote Gain
HE 818	2	Ross Video XPN-1RU-RS1-M9	XPression 1RU Ross SDI I/O Chassis
HE 819	1	Ross Video AMX-8952-B	12G-SDI* Audio Embedder with balanced AES
HE 820	1	Ross Video XPN-8-PORT-SERIAL-DATA-CARD	8-port Serial I/O PCIe card
HE 821	1	Ross Video AMX-8952-C	4K UHD 12G-SDI Embedder/De-embedder and Frame Synchronizer - 1 SDI in/1 SDI out/1 SDI I/O 8 Analog WECO 2 Slots
HE 822	1	Ross Video XPN-INC	XPression INcoder (SW Only)
HE 823	2	Ross Video GATOR-TOOLBOX-4B-R3B	Gator Toolbox card with 4-slot rear module SDI 4-in/1-out or 1-in/4-out 8 Balanced AES
HE 824	2	Ross Video XST3-0001	XPression Studio Standard Edition (SW Only)

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 825	2	Ross Video OGX-FR-CNS	Open Gear Frame
HE 826	2	Ross Video SHC-8932-F	A Low-Latency UHD SDI to HDMI Converter Card For Opengear
HE 827	1	Ross Video SRA-8901-4-R3S	Single UHD Relocking DA Split Rear Video Distribution Amplifier
HE 828	2	Ross Video VEA-8707A-R2	Analog Video Equalizing Amplifier,Clamping and Differential Input with Rear Module, R2-8707
HE 829	1	Ross Video GPI-8941-I16-O16-R3	GPI I/O Card - 16 Input / 16 Output w/ Rear Module
Clocks			
HE 830	1	Evertz 5601MSC+2PS+GPSG+4K+PTP	Master Clock System
HE 831	1	Evertz 7707GPS–DR	Dual GPS Data Fiber Receiver
HE 832	1	Evertz 7707GPS–DT	Dual GPS Data Fiber Transmitter
HE 833	1	OES RACK-485S	Large Distribution Panel

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Rack Rooms: 01.12.09 - TR 01			
Audio - Amplification			
HE 834	3	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
AV - Custom Plates & Panels			
HE 835	1	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 836	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 837	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 838	1	Middle Atlantic D3	3Space Anodized Drawer
HE 839	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 840	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 841	1	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 842	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 843	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 844	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 845	1	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 846	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 847	1	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 848	1	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 849	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 850	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse

MAJOR EQUIPMENT LIST

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 851	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 852	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 853	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 854	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 855	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 856	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 857	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 858	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Loudspeakers - Monitor			
HE 859	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Rack Rooms: 01.06.03 - TR 02			
Audio - Amplification			
HE 860	3	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
Audio - Microphones			
HE 861	1	RF Venue 4 ZONE	active antenna combiner
HE 862	16	Sennheiser BA 70	Rechargeable battery pack for EW-D SK and EW-D SKM-S, lithium ion
HE 863	2	Sennheiser EW-D COLOR CODING SET (EM)	Sets of magnetic color indicators for the EW-D EM for identification purposes. Includes (16) color indicators
HE 864	8	Sennheiser EW-DP SKP	Digital Plug-On Wireless Transmitter
HE 865	2	Sennheiser EW-DX EM 4	Receiver EW-DX EM 4 Dante
HE 866	8	Sennheiser EW-DX SK	Bodypack transmitter with 3,5 mm jack. Includes (1) EW-DX SK and (2) AA batteries, frequency range: Q1-9 (470.2 - 550 MHz)
HE 867	8	Sennheiser EW-DX SKM	Handheld transmitter without switch. Includes (1) EW-DX SKM, (1) MZQ1 microphone clip, and (2) AA batteries, frequency range: Q1-9 (470.2 - 550 MHz)
HE 868	2	Sennheiser L 6000	Charger 19 ", for up to 4x charger cores LM 6060 / LM 6061, charger cores not included
HE 869	8	Sennheiser LM 6070	Charger core for charger L6000, can be used for 2x BA 70
HE 870	8	Sennheiser MKE 2 (BLACK EW)	Omni lavalier, reduced sensitivity, with evolution wireless connector. Includes MZQ222 clip and MZW2 windscreen. Black.
HE 871	8	Sennheiser MMD 945	Microphone module, dynamic, supercardioid, for SKM 100/300/500 G3 and G4, SKM 2000/6000/9000, SKM D1/AVX, SL Handheld DW, black
AV - Custom Plates & Panels			
HE 872	1	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 873	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 874	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 875	1	Middle Atlantic D3	3Space Anodized Drawer
HE 876	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 877	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 878	1	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 879	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 880	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 881	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 882	1	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 883	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 884	1	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 885	1	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 886	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 887	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse
HE 888	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 889	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 890	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 891	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 892	1	QSC QIO-GP8x8	Q-SYS peripheral providing control expansion with 8 logic inputs and 8 logic outputs. Up to 4 devices daisy-chainable. 1U-1/4W, powered over Ethernet or +24 VDC. Surface mountable, rack kit sold separately.
HE 893	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 894	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 895	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 896	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Loudspeakers - Monitor			
HE 897	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Rack Rooms: 01.27.11 - TR 03			
Audio - Amplification			
HE 898	2	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
Audio - Microphones			
HE 899	1	RF Venue 4 ZONE	active antenna combiner
HE 900	8	Sennheiser BA 70	Rechargeable battery pack for EW-D SK and EW-D SKM-S, lithium ion
HE 901	2	Sennheiser EW-D COLOR CODING SET (EM)	Sets of magnetic color indicators for the EW-D EM for identification purposes. Includes (16) color indicators
HE 902	4	Sennheiser EW-DP SKP	Digital Plug-On Wireless Transmitter
HE 903	1	Sennheiser EW-DX EM 4	Receiver EW-DX EM 4 Dante
HE 904	4	Sennheiser EW-DX SK	Bodypack transmitter with 3,5 mm jack. Includes (1) EW-DX SK and (2) AA batteries, frequency range: Q1-9 (470.2 - 550 MHz)
HE 905	4	Sennheiser EW-DX SKM	Handheld transmitter without switch. Includes (1) EW-DX SKM, (1) MZQ1 microphone clip, and (2) AA batteries, frequency range: Q1-9 (470.2 - 550 MHz)
HE 906	1	Sennheiser L 6000	Charger 19 ", for up to 4x charger cores LM 6060 / LM 6061, charger cores not included
HE 907	4	Sennheiser LM 6070	Charger core for charger L6000, can be used for 2x BA 70
HE 908	4	Sennheiser MKE 2 (BLACK EW)	Omni lavalier, reduced sensitivity, with evolution wireless connector. Includes MZQ222 clip and MZW2 windscreen. Black.
HE 909	4	Sennheiser MMD 945	Microphone module, dynamic, supercardioid, for SKM 100/300/500 G3 and G4, SKM 2000/6000/9000, SKM D1/AVX, SL Handheld DW, black
AV - Custom Plates & Panels			
HE 910	1	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 911	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 912	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 913	1	Middle Atlantic D3	3Space Anodized Drawer
HE 914	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 915	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 916	1	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 917	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 918	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 919	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 920	1	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 921	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 922	1	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 923	1	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 924	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 925	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse
HE 926	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 927	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 928	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 929	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 930	1	QSC QIO-GP8x8	Q-SYS peripheral providing control expansion with 8 logic inputs and 8 logic outputs. Up to 4 devices daisy-chainable. 1U-1/4W, powered over Ethernet or +24 VDC. Surface mountable, rack kit sold separately.
HE 931	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 932	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 933	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 934	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Loudspeakers - Monitor			
HE 935	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Rack Rooms: 01.21.09 - TR 04			
Audio - Amplification			
HE 936	3	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
HE 937	1	Programming DSP	Programming of AV DSP Aplifiers
Audio - Playback & Recording			
HE 938	1	Bluesound Professional B400S	4-zone network music player
HE 939	2	Tascam CD-400U	CD/MEDIA PLAYER
Audio - Processing & Transport			
HE 940	1	Programming DSP	Programming of AV DSP System
HE 941	1	QSC CORE 610	Network Core for AV&C processing built on Dell PowerEdge Server Technology offering 256x256 networked audio channels with 8x8 Software-based Dante license included, dual Ethernet ports for network redundancy, two auxiliary Ethernet ports, 64 next-generation AEC processors, internal universal PSU, pr
HE 942	1	QSC D32Mi	32 Channel Mic/Line In Dante/AES67 Interface, 1RU.
HE 943	1	QSC D32o	32 Channel Line Out Dante/AES67 Interface, 1RU
AV - Custom Plates & Panels			
HE 944	1	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 945	3	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 946	3	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 947	4	Middle Atlantic CC-44-312	44 RU Cable Chase, 31 Inches to 32 Inches Deep for MRK,WRK,VRK Racks
HE 948	2	Middle Atlantic D3	3Space Anodized Drawer
HE 949	3	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 950	12	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 951	3	Middle Atlantic MPR-9A	MPR Raceway, 80

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 952	15	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 953	3	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 954	3	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 955	3	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 956	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 957	3	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 958	3	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 959	3	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Patchbays & Patch Cables			
HE 960	2	Bittree B48DC-HNSST/E3 M2OU12L	2X24 2RU 1/4 INCH LONG-FRAME PATCHBAY, FRONT SELECTABLE TRS AUDIO. E3 REAR INTERFACE, HALF NORMAL SWITCHED GROUNDS, 12" DEEP CHASSIS
HE 961	20	Bittree LPC2400-110	1/4 Inch Long Frame Audio Patch Cable 2' Black
HE 962	20	Bittree LPC2402-110	1/4 Inch Long Frame Audio Patch Cable 2' Red
HE 963	20	Bittree LPC2404-110	1/4 Inch Long Frame Audio Patch Cable 2' Yellow
HE 964	20	Bittree LPC2405-110	1/4 Inch Long Frame Audio Patch Cable 2' Green
HE 965	8	Bittree LPCXF7200-110	Female XLR To 1/4 Inch Long Frame 6' Black
HE 966	8	Bittree LPCXM7207-110	Male XLR To 1/4 Inch Long Frame 6' Purple
HE 967	2	Bittree PCHA	AUDIO PATCH CABLE HOLDER
AV - Accessibility Systems			
HE 968	135	Listen Technologies LA-165	Stereo Headphones
HE 969	16	Listen Technologies LA-167	Replacement Cushions for Stereo Headphones (10)
HE 970	16	Listen Technologies LA-304	Assistive Listening Notification Signage Kit
HE 971	34	Listen Technologies LA-438	Advanced Neck Loop (Adult)

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 972	16	Listen Technologies LA-439	Advanced Neck Loop (Child)
HE 973	9	Listen Technologies LA-481-01	Docking Station Case 16
HE 974	6	Listen Technologies LW-150P-02-01-D	Listen EVERYWHERE 2 Channel Wi-Fi Audio Server (Dante)
HE 975	6	Listen Technologies LW-327	ListenWIFI 2 Channel Server Rack Mount
HE 976	135	Listen Technologies LWR-1050	ListenWIFI Wi-Fi Audio Receiver
AV - Computers			
HE 977	1	Audinate Domain Manager Gold	Dante Domain Manager Gold Series
HE 978	2	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse
HE 979	2	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 980	2	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 981	2	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 982	1	Programming Control	Setup and Programming of AV Computers
HE 983	2	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 984	2	Apple IPAD 10.9-INCH 64GB WIFI [SPACE GRAY]	10th Gen - 10.9 Inch iPad With Wi-Fi - 64Gb - Space Gray
HE 985	1	Programming Control	Programming of AV Control System
HE 986	1	QSC QIO-GP8x8	Q-SYS peripheral providing control expansion with 8 logic inputs and 8 logic outputs. Up to 4 devices daisy-chainable. 1U-1/4W, powered over Ethernet or +24 VDC. Surface mountable, rack kit sold separately.
HE 987	1	QSC QIO-RMK	Rack mount tray and blanking panels to mount up to four QIO units in a 1U 19" standard rack format.
HE 988	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
HE 989	1	Training End-User Training	General End User Training Session For whole AV System
HE 990	2	UAG 124470114340	Plasma Series iPad 10.9" (10th Gen, 2022) with Kickstand & Handstrap Case

Location

System

ID#	QTY	Manufacturer/Model	Description
Intercom & Paging			
HE 991	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 992	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 993	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Loudspeakers - Monitor			
HE 994	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.
Video - Processing & Transport			
HE 995	1	Extron DTP3 R 201	4K/60 HDMI DTP3 Receiver with Audio De-Embedding
HE 996	1	Programming Control	Programming of IPTV System
HE 997	1	VITEC 15428	EZ TV - License - Automation and Control Module
HE 998	1	VITEC 15508	EZ TV - License - Electronic Program Guide (EPG)
HE 999	6	VITEC 16161	Project Management by a VITEC engineer
HE 1000	2	VITEC 16167	Digital Signage content creation services - assistance in importing, assembling or organizing digital signage content. Daily rate - typically NOT provided as on-site services.
HE 1001	4	VITEC 16211	Travel and Expenses
HE 1002	1	VITEC 16348	VITEC Gold Service Program (Annual Plan)
HE 1003	5	VITEC 16439	Configuration, provisioning and training by a VITEC engineer
HE 1004	1	VITEC 17350	EZ TV - License - Serial Control Module
HE 1005	1	VITEC 17502	EZ TV - License - Dynamic Signage Module - enables dynamic linking of data sources to signage content for automated updates
HE 1006	3	VITEC 17751	Supervised Event/Mission Support On-site. Provides for physical onsite support by a VITEC engineer for a specific public or private event - (daily rate, including travel and expenses)
HE 1007	35	VITEC 18263	EZ TV - License - Universal - 5 End-Points
HE 1008	8	VITEC 18281	MGW Diamond OG - Encoder - HEVC - 1x 4K

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1009	1	VITEC 18693-us	EZ TV Platform Server - Pro/DL360 - Physical - US Supports up to 100 channels, 5000 Endpoints, 1000 concurrent browser views
HE 1010	1	VITEC 18960-us	Diamond C10 - Chassis - 10x slot - Streaming & Management Controller - 2U - US
HE 1011	1	Programming Control	Programming of projection system and alignment

Location

System

ID#	QTY	Manufacturer/Model	Description
Event Level - Rack Rooms: 01.23.03 - Head End			
Audio - Mixing Console System			
HE 1012	3	DiGiCo MOD-SDR-ADC-32B	SD series 'Ultimate Stadius' 32-Bit Input Card (8 Mic/Line Input card) w/ Remote Gain Tracking Connectors: XLR
HE 1013	2	DiGiCo MOD-SDR-AES-B	SD series AES/EBU I/O Card - 4 Inputs (8 Ch.) & 4 Outputs (8 Ch.) w/ SRC (Mount in Input slot only) with Digital Split & Gain Tracking Connectors: BNC
HE 1014	2	DiGiCo MOD-SDR-AES-IO	SD series AES/EBU I/O Card - 4 Inputs (8 Ch.) & 4 Outputs (8 Ch.) w/ SRC (Mount in Input slot only) with Digital Split & Gain Tracking Connectors: XLR
HE 1015	3	DiGiCo MOD-SDR-DAC-32B	SD series 'Ultimate Stadius' 32-Bit Output Card (8 Line Output card) w/ Digital Split & Gain Tracking Connectors: XLR
HE 1016	1	DiGiCo MOD-SDR-DANTE	SD series DANTE I/O card - 8 Inputs & 8 Outputs Connectors: CAT6
HE 1017	1	DiGiCo MOD-SDR-HDSDI	SD-series SDI & HDI Embedder (8 Ch.) / De-Embedder (8 Ch.) card Connectors: BNC
HE 1018	1	DiGiCo X-SD-RACK-ST	DiGiCo SD-Rack 192kHz, Multi-Mode ST 10RU Rack, 7 Input Slots & 7 Output Slots, 2 PSU's Connections: MADI x 2, Split x 2, Optics Connectors: BNC, ST
Audio - Processing & Transport			
HE 1019	1	DirectOut Technologies DANTE.IO MKII	64-Channel Dante Module for PRODIGY Series
HE 1020	1	DirectOut Technologies MADI2.BNC.SRC.IO	128-Channel BNC MADI Module for PRODIGY Series
HE 1021	1	DirectOut Technologies MADI4.IO	256-Channel MADI Module for PRODIGY.MX
HE 1022	1	DirectOut Technologies MILAN.IO	128-Channel AVB / Milan Module for PRODIGY Series
HE 1023	1	DirectOut Technologies PRODIGY.MX	Multiformat Audio Matrix; 1664 x 1668 Audio Channel capacity; six audio network module capacity.
HE 1024	1	DirectOut Technologies RAV.IO	64-Channel RAVENNA Interface Card for PRODIGY Series
HE 1025	1	DirectOut Technologies SC.IO - MM	Multi-Mode SC MADI Interface Module for DirectOut Interfaces
HE 1026	1	DirectOut Technologies SC.IO - SM	Single-Mode SC MADI Interface Module for DirectOut Interfaces
HE 1027	1	DirectOut Technologies SG.IO MKII	128-Channel SoundGrid Module for PRODIGY Series

HENDERSON ENGINEERS

Location

System

ID#	QTY	Manufacturer/Model	Description
AV - Custom Plates & Panels			
HE 1028	4	Custom Equipment Rack AV Panels	Custom Intercom Rack Mount Panels for Intercom, Direct Out Technologies DSP, RossTalley System, OES Clock System
AV - Equipment Racks			
HE 1029	7	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 1030	7	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1031	6	Middle Atlantic CC-44-312	44 RU Cable Chase, 31 Inches to 32 Inches Deep for MRK,WRK,VRK Racks
HE 1032	3	Middle Atlantic D3	3Space Anodized Drawer
HE 1033	7	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1034	28	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1035	7	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1036	35	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 1037	7	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1038	7	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1039	2	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1040	7	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1041	4	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1042	7	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 1043	2	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse
HE 1044	2	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 1045	2	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1046	2	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 1047	2	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
Intercom & Paging			
HE 1048	8	Clear-Com AGENT-IC-LQ	Agent-IC Virtual Client: Perpetual License, major version, 1 user
HE 1049	1	Clear-Com ARCADIA-X4-80P	Arcadia Central Station: (80) Licensed Ports, 1RU
HE 1050	1	Clear-Com GN-250-TRS	Gooseneck Microphone: Standard, 10" / 250mm, Black, TRS
HE 1051	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 1052	1	Clear-Com LQ-R2W4	LQ IP Interface: 2Wire, IP, 1RU
Broadcast - Pre-Wire			
HE 1053	12	Bittree ADMW12L	MINI-WECO (MIDSIZE) TO FEMALE BNC ADAPTOR PLUG, LONG
HE 1054	34	Bittree B48DC-HNSST/E3 M2OU12L	2X24 2RU 1/4 INCH LONG-FRAME PATCHBAY, FRONT SELECTABLE TRS AUDIO. E3 REAR INTERFACE, HALF NORMAL SWITCHED GROUNDS, 12" DEEP CHASSIS
HE 1055	68	Bittree LPC2400-110	1/4 Inch Long Frame Audio Patch Cable 2' Black
HE 1056	68	Bittree LPC2402-110	1/4 Inch Long Frame Audio Patch Cable 2' Red
HE 1057	68	Bittree LPC2404-110	1/4 Inch Long Frame Audio Patch Cable 2' Yellow
HE 1058	68	Bittree LPC2405-110	1/4 Inch Long Frame Audio Patch Cable 2' Green
HE 1059	68	Bittree LPC4800-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Black
HE 1060	68	Bittree LPC4802-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Red
HE 1061	68	Bittree LPC4804-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Yellow
HE 1062	68	Bittree LPC4805-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Green
HE 1063	68	Bittree LPCXF7200-110	Female XLR To 1/4 Inch Long Frame 6' Black
HE 1064	68	Bittree LPCXM7207-110	Male XLR To 1/4 Inch Long Frame 6' Purple
HE 1065	32	Bittree LPMK7505	12G+ MINI-WECO 75 OHM VIDEO LOOPING PLUGS

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1066	8	Bittree PCHA	AUDIO PATCH CABLE HOLDER
HE 1067	4	Bittree PCHV	VIDEO PATCH CABLE HOLDER
HE 1068	4	Bittree S64T-1MWNBK	12G+ MINI-WECO (MIDSIZE) VIDEO PATCHBAY, 2X32, 2 RU
HE 1069	12	Bittree VBB4800-75	VBB4800-75 - 4', Black
HE 1070	20	Bittree VPCMK4802-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - RED
HE 1071	20	Bittree VPCMK4805-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - GREEN
HE 1072	20	Bittree VPCMK4806-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - BLUE
HE 1073	20	Bittree VPCMK4807-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - PURPLE
HE 1074	84	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 1075	12	Clark Wire and Cable X-MPAS-I-8P	SMPTE Splice Enclosure, 2RU Angled In, 8 Plug
HE 1076	7	Clark Wire and Cable X-MPAS-O-8S	SMPTE Splice Enclosure, 2RU Angled Out, 8 Socket
HE 1077	48	Panduit CJ688TGXX	Mini-Com® Cat 6 UTP RJ45 TG Jack Module, Select Jack Color As Required Per Specifications and Drawings.
HE 1078	1	Panduit CPPLA48WBLY	Mini-Com® Angled Patch Panel, 48 port, 2 RU, BL
HE 1079	48	Panduit UTP6AX5XX	TX6A™ 10Gig Cat 6A UTP Patch Cord 5-Foot,Select Patch Cord Color As Required Per Specifications And Drawings
Broadcast - Audio Monitor			
HE 1080	1	Blackmagic Design Audio Monitor 12G G3	Rack Mount Audio Monitor - 1RU 12G-SDI
Broadcast - Displays			
HE 1081	1	Blackmagic Design SMARTVIEW 4K G3	Ultra HD broadcast monitor with multi rate 12G-SDI
Broadcast Network			
HE 1082	4	Luminex 10g SMF Transceiver	This single mode fiber (SMF) SFP+ transceiver provides 10GBase-LR throughput to up to 10km making use of a wavelength of 1310nm over a duplex LC connector.
HE 1083	1	Luminex GigaCore 30i	10Gb AV Network Switch with PoE++ (Single PSU)
Broadcast - Switching & Routing			

HENDERSON ENGINEERS

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1084	2	Ross Video PS-OGX	600 Watt Universal Power Supply for OGX Frame
HE 1085	22	Ross Video SFP-FIBER-12G	SFP Transceiver,12G Optical, 1310nm
HE 1086	1	Ross Video ULTRITOUCH-2-HR	Ethernet Enabled 2RU Hi Res LCD Touchscreen Control Panel
HE 1087	1	Ross Video ULTRITOUCH-PS	Power supply for ULTRITOUCH
HE 1088	1	Ross Video FCD-6847	FIBER CWDM DMX, 8 CH
HE 1089	1	Ross Video FCD-6849	FIBER CWDM DMX, 8 CH w. EXP
HE 1090	2	Ross Video FCM-6846	FIBER CWDM MUX, 8 CH
HE 1091	1	Ross Video FCM-6848	FIBER CWDM MUX, 8 CH w. EXP
HE 1092	2	Ross Video OGX-FR-CNS	openGear OGX Frame with Cooling, Advanced Networking & SNMP
HE 1093	11	Ross Video SFC-6901-R3F	12G Quad-Channel Fiber Transmit/Receive Card, w/Rear Module
Broadcast - Video Processing & Transport			
HE 1094	2	Ross Video AMX-8952-FS-LICENSE	Frame Synchronizer and Delay License for AMX-8952 (12G-SDI* Audio Embedder with Unbalanced/Balanced AES
HE 1095	2	Ross Video AMX-8952-UHD-LICENSE	Adds support for UHD video formats to AMX-8952 (12G-SDI* Audio Embedder with Unbalanced/Balanced AES)
HE 1096	2	Ross Video GATOR-FRC-LICENSE	Frame Rate Conversion software license for GATOR-TOOLBOX
HE 1097	2	Ross Video PS-OGX	Redundant Power Supply for OGX-FR Frame
HE 1098	1	Ross Video R3B-8952	Rear Module for AMX-8952-B
HE 1099	1	Ross Video R3C-8952	Rear Module for AMX-8952-C
HE 1100	2	Ross Video R3F-8932	Rear Module for SHC-8932-F
HE 1101	8	Ross Video SFP-FIBER-12G	Single-mode SFP module for GATOR-TOOLBOX-2F-R4F. Supports HD / 3G / 6G / 12G-SDI signal formats.
HE 1102	4	Ross Video SFP-FIBER-12G-1R	12G Fiber Receiver - Single
HE 1103	1	Ross Video TLY-TXP16	Tally Expansion Panel with 16 front panel user configurable I/O. Includes two external P/S.
HE 1104	5	Ross Video ADA-8405-C-R2C	ADA-8405-C plus Rear Module - Analog Audio and Time code Distributed Amplifier with Remote Gain

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1105	1	Ross Video AMX-8952-B	12G-SDI* Audio Embedder with balanced AES
HE 1106	1	Ross Video AMX-8952-C	4K UHD 12G-SDI Embedder/De-embedder and Frame Synchronizer - 1 SDI in/1 SDI out/1 SDI I/O 8 Analog WECO 2 Slots
HE 1107	2	Ross Video GATOR-TOOLBOX-4B-R3B	Gator Toolbox card with 4-slot rear module SDI 4-in/1-out or 1-in/4-out 8 Balanced AES
HE 1108	2	Ross Video OGX-FR-CNS	Open Gear Frame
HE 1109	2	Ross Video SFC-6901-R3F	SDI / Fiber Transciever Card
HE 1110	2	Ross Video SHC-8932-F	A Low-Latency UHD SDI to HDMI Converter Card For Opengear
HE 1111	1	Ross Video SRA-8901-4-R3S	Single UHD Relocking DA Split Rear Video Distribution Amplifier
Loudspeakers - Monitor			
HE 1112	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.
Clocks			
HE 1113	1	Evertz 7800SRG-IP+3RU	PTP slave reference sync generator - 6 output
HE 1114	1	Evertz 7801FR	Modular frame, 1RU, 4 slots
HE 1115	1	OES DIST-1I3O	Small Distribution Panel
HE 1116	1	OES SHOTS14N7ICE	14" Shot Clock w/ Game Time

Concourse Level - Inner Bowl: Bowl PA - Main Concourse

Loudspeakers - Performance

HE 1117	22	Bose Professional AMU206-B	Outdoor Loudspeaker - black
HE 1118	22	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1119	22	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Councourse Level - Hallways & Corridors: 02.01.03 - Main Concourse - N			
Broadcast - Pre-Wire			
HE 1120	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 1121	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 1122	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 1123	1	Clark Wire and Cable X-MPAS-O-4S	SMPTE Splice Enclosure, 2RU Angled Out, 4 Socket
HE 1124	2	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 1125	3	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
HE 1126	2	Custom Broadcast Box Custom Panel SMPTE	Broadcast Box Connection Panel SMPTE (Reference Drawings & Specs)
HE 1127	2	Custom Broadcast Box Custom Panel ST Fiber	Broadcast Box Connection Panel ST Fiber (Reference Drawings & Specs)
Loudspeakers - Distributed			
HE 1128	35	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1129	35	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1130	35	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1131	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1132	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1133	2	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1134	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description

Location

System

ID#	QTY	Manufacturer/Model	Description
Councourse Level - Hallways & Corridors: 02.01.04 - Main Concourse - S			
Broadcast - Pre-Wire			
HE 1135	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 1136	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 1137	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 1138	1	Clark Wire and Cable X-MPAS-O-4S	SMPTE Splice Enclosure, 2RU Angled Out, 4 Socket
HE 1139	2	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 1140	3	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
HE 1141	2	Custom Broadcast Box Custom Panel SMPTE	Broadcast Box Connection Panel SMPTE (Reference Drawings & Specs)
HE 1142	2	Custom Broadcast Box Custom Panel ST Fiber	Broadcast Box Connection Panel ST Fiber (Reference Drawings & Specs)
Loudspeakers - Distributed			
HE 1143	6	Bose Professional AMU206-B	Outdoor Loudspeaker - black
HE 1144	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1145	16	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1146	22	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1147	24	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1148	8	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1149	8	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1150	1	Samsung QB50C	50" 3840 x 2160, 16/7 Rated
HE 1151	7	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1152	8	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Councourse Level - Hallways & Corridors: 02.13.03 - Main Concourse - E

AV - Custom Plates & Panels			
HE 1153	4	Custom Equipment Rack AV Panels	Equipment Rack Connection Panel (Reference Drawings & Specs)
Broadcast - Pre-Wire			
HE 1154	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 1155	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 1156	1	Clark Wire and Cable X-FB1-STSM-06	Fiber Splice Enclosure 1RU 1x6 ST
HE 1157	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 1158	1	Clark Wire and Cable X-MPAS-O-4S	SMPTE Splice Enclosure, 2RU Angled Out, 4 Socket
HE 1159	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Broadcast - Audio Processing & Transport			
HE 1160	2	DiGiCo OPTIC-CHA-ST	HMA Optics panel mount to ST (2x) Optics Cable 75cm Connectors: HMA to ST * 2 Required for A & B connection
Loudspeakers - Distributed			
HE 1161	12	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1162	12	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1163	12	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Councourse Level - Hallways & Corridors: 02.01.05 - Main Concourse - W			
Broadcast - Pre-Wire			
HE 1164	2	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 1165	2	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 1166	3	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 1167	1	Clark Wire and Cable X-MPAS-O-4S	SMPTE Splice Enclosure, 2RU Angled Out, 4 Socket
HE 1168	2	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Broadcast - Audio Processing & Transport			
HE 1169	1	AudioPressBox APB-D216 R-D	APB-D216 R-D
Loudspeakers - Distributed			
HE 1170	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1171	17	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1172	19	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1173	19	Custom Loudspeaker Rigging	Material & Labor As Required
ConCourse Level - Clubs & Bars: 02.03.01 - Bar A			
Video - Displays			
HE 1174	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1175	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1176	2	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1177	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
ConCourse Level - Clubs & Bars: 02.27.01 - Bar D			
Video - Displays			
HE 1178	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1179	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1180	2	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1181	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
ConCourse Level - Clubs & Bars: 02.22.02 - Bar C			
Video - Displays			
HE 1182	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1183	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1184	2	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1185	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
ConCourse Level - Clubs & Bars: 02.01.01 - Sideline Club			
Audio - Processing & Transport			
HE 1186	1	QSC UND6IO-BT	4x2 Channel 2 Gang US, Dante/AES67 Wall Plate w/Bluetooth, RCA, 3.5mm I/O, PoE (white and black faceplates included)
AV - Control Systems			
HE 1187	1	QSC TSC-70-G3	High Definition Touch Screen Controller
Loudspeakers - Distributed			
HE 1188	8	Bose Professional DM10S-SUB - Black	Designmax Sub Black
HE 1189	33	Bose Professional DM3SE - Black	Surface-Mounted Loudspeaker - Black
HE 1190	10	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1191	41	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1192	51	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1193	11	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1194	11	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1195	9	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
HE 1196	2	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1197	1	VITEC 18681	MGW Diamond-H - Encoder - HEVC - TS - 2x HD or 1x 4K
HE 1198	11	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Councourse Level - Food Service Spaces: 02.16.01 - Market 02			
Loudspeakers - Distributed			
HE 1199	3	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1200	3	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1201	3	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1202	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1203	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1204	2	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1205	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Councourse Level - Food Service Spaces: 02.12.01 - Market 03			
Loudspeakers - Distributed			
HE 1206	7	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1207	7	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1208	7	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1209	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1210	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1211	2	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1212	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Councourse Level - Food Service Spaces: 02.07.01 - Market 04			
Loudspeakers - Distributed			
HE 1213	1	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1214	1	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1215	1	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Food Service Spaces: 02.04.07 - Market 05			
Loudspeakers - Distributed			
HE 1216	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1217	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1218	2	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1219	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1220	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1221	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1222	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Councourse Level - Food Service Spaces: 02.28.03 - Market 06			
Loudspeakers - Distributed			
HE 1223	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1224	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1225	2	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1226	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1227	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1228	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1229	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Councourse Level - Food Service Spaces: 02.27.02 - Market 07			
Loudspeakers - Distributed			
HE 1230	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1231	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1232	2	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1233	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1234	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1235	1	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
HE 1236	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1237	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Councourse Level - Food Service Spaces: 02.20.01 - Market 09			
Loudspeakers - Distributed			
HE 1238	6	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1239	6	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1240	6	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1241	4	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1242	4	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1243	4	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1244	4	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Councourse Level - Restrooms: 02.19.01 - Womens RR 04			
Loudspeakers - Distributed			
HE 1245	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1246	4	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1247	4	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1248	7	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.13.02 - Womens RR 05			
Loudspeakers - Distributed			
HE 1249	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1250	3	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1251	3	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1252	5	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Councourse Level - Restrooms: 02.06.02 - Womens RR 06			
Loudspeakers - Distributed			
HE 1253	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1254	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1255	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1256	4	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.04.01 - Womens RR 07			
Loudspeakers - Distributed			
HE 1257	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1258	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1259	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1260	4	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.29.02 - Womens RR 08			
Loudspeakers - Distributed			
HE 1261	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1262	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1263	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1264	4	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Councourse Level - Restrooms: 02.14.01 - Mens RR			
Loudspeakers - Distributed			
HE 1265	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1266	3	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1267	3	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1268	5	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.18.01 - Mens RR 04			
Loudspeakers - Distributed			
HE 1269	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1270	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1271	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1272	4	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.10.02 - Mens RR 05			
Loudspeakers - Distributed			
HE 1273	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1274	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1275	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1276	3	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Councourse Level - Restrooms: 02.05.01 - Mens RR 06			
Loudspeakers - Distributed			
HE 1277	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1278	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1279	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1280	4	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.29.01 - Mens RR 07			
Loudspeakers - Distributed			
HE 1281	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1282	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1283	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1284	3	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.17.03 - Family			
Loudspeakers - Distributed			
HE 1285	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1286	1	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.13.01 - Family 03			
Loudspeakers - Distributed			
HE 1287	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1288	1	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Councourse Level - Restrooms: 02.28.02 - Family 04			
Loudspeakers - Distributed			
HE 1289	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1290	1	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.29.03 - Mother's			
Loudspeakers - Distributed			
HE 1291	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1292	1	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.02.02 - RR Vest			
Loudspeakers - Distributed			
HE 1293	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1294	1	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.02.01 - Sideline Club Women's			
Loudspeakers - Distributed			
HE 1295	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1296	2	Custom Loudspeaker Rigging	Material & Labor As Required
Councourse Level - Restrooms: 02.02.03 - Sideline Club Men's			
Loudspeakers - Distributed			
HE 1297	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1298	2	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Concourse Level - Rack Rooms: 02.21.02 - TR 05			
Audio - Amplification			
HE 1299	2	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
AV - Custom Plates & Panels			
HE 1300	2	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 1301	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 1302	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1303	1	Middle Atlantic D3	3Space Anodized Drawer
HE 1304	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1305	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1306	1	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1307	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 1308	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1309	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1310	1	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 1311	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1312	1	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1313	1	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1314	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 1315	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1316	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 1317	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 1318	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 1319	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 1320	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 1321	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 1322	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 1323	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Loudspeakers - Monitor			
HE 1324	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.

Location

System

ID#	QTY	Manufacturer/Model	Description
Concourse Level - Rack Rooms: 02.11.03 - TR 06			
Audio - Amplification			
HE 1325	3	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
AV - Custom Plates & Panels			
HE 1326	2	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 1327	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 1328	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1329	1	Middle Atlantic D3	3Space Anodized Drawer
HE 1330	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1331	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1332	1	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1333	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 1334	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1335	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1336	1	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 1337	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1338	1	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1339	1	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1340	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 1341	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1342	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 1343	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 1344	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 1345	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 1346	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 1347	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 1348	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 1349	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Broadcast - Video Processing & Transport			
HE 1350	1	Evertz 7800SRG-IP+3RU	PTP slave reference sync generator - 6 output
HE 1351	1	Evertz 7801FR	Modular frame, 1RU, 4 slots
HE 1352	1	Ross Video FSB-OGX	OGX Frame Rear Support Brackets
HE 1353	1	Ross Video OGX-FR-CN	openGear OGX Frame with Cooling and Advanced Networking
HE 1354	1	Ross Video PS-OGX	600 Watt Universal Power Supply for OGX Frame
HE 1355	2	Ross Video SFC-6901-R3F	12G Quad-Channel Fiber Transmit/Receive Card, w/Rear Module
HE 1356	4	Ross Video SFP-FIBER-12G	SFP Transceiver,12G Optical, 1310nm
Loudspeakers - Monitor			
HE 1357	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.

Location

System

ID#	QTY	Manufacturer/Model	Description
Concourse Level - Rack Rooms: 02.06.03 - TR 07			
Audio - Amplification			
HE 1358	3	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
AV - Custom Plates & Panels			
HE 1359	2	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 1360	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 1361	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1362	1	Middle Atlantic D3	3Space Anodized Drawer
HE 1363	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1364	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1365	1	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1366	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 1367	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1368	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1369	1	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 1370	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1371	1	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1372	1	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1373	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 1374	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1375	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 1376	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 1377	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 1378	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 1379	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 1380	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 1381	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 1382	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Broadcast - Video Processing & Transport			
HE 1383	1	Evertz 7800SRG-IP+3RU	PTP slave reference sync generator - 6 output
HE 1384	1	Evertz 7801FR	Modular frame, 1RU, 4 slots
HE 1385	1	Ross Video FSB-OGX	OGX Frame Rear Support Brackets
HE 1386	1	Ross Video OGX-FR-CN	openGear OGX Frame with Cooling and Advanced Networking
HE 1387	1	Ross Video PS-OGX	600 Watt Universal Power Supply for OGX Frame
HE 1388	2	Ross Video SFC-6901-R3F	12G Quad-Channel Fiber Transmit/Receive Card, w/Rear Module
HE 1389	4	Ross Video SFP-FIBER-12G	SFP Transceiver,12G Optical, 1310nm
Loudspeakers - Monitor			
HE 1390	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.
Video - Processing & Transport			
HE 1391	1	Extron DTP3 R 201	4K/60 HDMI DTP3 Receiver with Audio De-Embedding

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1392	1	VITEC 18681	MGW Diamond-H - Encoder - HEVC - TS - 2x HD or 1x 4K

Location

System

ID#	QTY	Manufacturer/Model	Description
Concourse Level - Rack Rooms: 02.27.03 - TR 08			
Audio - Amplification			
HE 1393	4	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
AV - Custom Plates & Panels			
HE 1394	2	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 1395	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 1396	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1397	1	Middle Atlantic D3	3Space Anodized Drawer
HE 1398	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1399	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1400	1	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1401	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 1402	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1403	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1404	1	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 1405	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1406	1	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1407	1	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1408	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 1409	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1410	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 1411	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 1412	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 1413	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 1414	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 1415	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 1416	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 1417	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Loudspeakers - Monitor			
HE 1418	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.

Suite Level - Inner Bowl: 03.01.00 - Bowl - Suite

Broadcast - Pre-Wire			
HE 1419	6	Custom Broadcast Box Custom Panel Audio	Broadcast Box Connection Panel Audio (Reference Drawings & Specs)
HE 1420	6	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
HE 1421	6	Custom Broadcast Box Custom Panel SMPTE	Broadcast Box Connection Panel SMPTE (Reference Drawings & Specs)
HE 1422	6	Custom Broadcast Box Custom Panel ST Fiber	Broadcast Box Connection Panel ST Fiber (Reference Drawings & Specs)
Video - dvLED			
HE 1423	1	Planar Custom Curved Board	Curved Center Hung Board with processing per Planar Quote #
HE 1424	1	Planar Custom Ribbon Board	Ribbon Boards With Processing Per Planar Quote #

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Hallways & Corridors: 03.01.03 - Suite Corridor 01			
Loudspeakers - Distributed			
HE 1425	13	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1426	13	Custom Loudspeaker Rigging	Material & Labor As Required
Suite Level - Hallways & Corridors: 03.14.04 - Suite Corridor 02			
Loudspeakers - Distributed			
HE 1427	13	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1428	13	Custom Loudspeaker Rigging	Material & Labor As Required
Suite Level - Hallways & Corridors: 03.21.06 - Service Corridor 01			
Loudspeakers - Distributed			
HE 1429	5	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1430	5	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1431	5	Custom Loudspeaker Rigging	Material & Labor As Required
Suite Level - Hallways & Corridors: 03.21.07 - Service Corridor 02			
Loudspeakers - Distributed			
HE 1432	5	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 1433	5	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 1434	5	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.31.01 - Suite 01			
Loudspeakers - Distributed			
HE 1435	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1436	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1437	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1438	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1439	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1440	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1441	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.31.02 - Suite 02			
Loudspeakers - Distributed			
HE 1442	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1443	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1444	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1445	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1446	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1447	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1448	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.32.01 - Suite 03			
Loudspeakers - Distributed			
HE 1449	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1450	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1451	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1452	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1453	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1454	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1455	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.01.01 - Large Suite 04			
Loudspeakers - Distributed			
HE 1456	2	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1457	2	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1458	2	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1459	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1460	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1461	2	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1462	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.01.02 - Suite 06			
Loudspeakers - Distributed			
HE 1463	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1464	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1465	1	Custom Loudspeaker Rigging	Material & Labor As Required
HE 1466	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1467	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1468	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1469	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1470	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.02.01 - Suite 07			
Loudspeakers - Distributed			
HE 1471	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1472	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1473	1	Custom Loudspeaker Rigging	Material & Labor As Required
HE 1474	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1475	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1476	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1477	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1478	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.02.02 - Suite 08			
Loudspeakers - Distributed			
HE 1479	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1480	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1481	1	Custom Loudspeaker Rigging	Material & Labor As Required
HE 1482	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1483	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1484	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1485	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1486	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.03.01 - Suite 09			
Loudspeakers - Distributed			
HE 1487	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1488	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1489	1	Custom Loudspeaker Rigging	Material & Labor As Required
HE 1490	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1491	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1492	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1493	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1494	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.14.02 - Suite 10			
Loudspeakers - Distributed			
HE 1495	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1496	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1497	1	Custom Loudspeaker Rigging	Material & Labor As Required
HE 1498	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1499	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1500	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1501	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1502	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.15.01 - Suite 11			
Loudspeakers - Distributed			
HE 1503	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1504	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1505	1	Custom Loudspeaker Rigging	Material & Labor As Required
HE 1506	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1507	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1508	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1509	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1510	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.15.02 - Suite 12			
Loudspeakers - Distributed			
HE 1511	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1512	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1513	1	Custom Loudspeaker Rigging	Material & Labor As Required
HE 1514	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1515	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1516	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1517	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1518	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.16.01 - Suite 13			
Loudspeakers - Distributed			
HE 1519	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1520	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1521	1	Custom Loudspeaker Rigging	Material & Labor As Required
HE 1522	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1523	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1524	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1525	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1526	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.16.02 - Large Suite 14			
Loudspeakers - Distributed			
HE 1527	2	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1528	2	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1529	2	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1530	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1531	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1532	2	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
HE 1533	2	Samsung QB85C	85" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1534	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.17.01 - Suite 16			
Loudspeakers - Distributed			
HE 1535	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1536	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1537	1	Custom Loudspeaker Rigging	Material & Labor As Required
HE 1538	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1539	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1540	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1541	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1542	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.18.01 - Suite 17			
Loudspeakers - Distributed			
HE 1543	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1544	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1545	1	Custom Loudspeaker Rigging	Material & Labor As Required
HE 1546	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1547	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1548	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1549	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1550	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.18.02 - Suite 18			
Loudspeakers - Distributed			
HE 1551	1	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1552	1	Custom Loudspeaker Rigging	Material & Labor As Required
Loudspeakers - Presentation			
HE 1553	1	Custom Loudspeaker Rigging	Material & Labor As Required
HE 1554	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 1555	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1556	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1557	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1558	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Suites: 03.19.01 - Suite Lounge C			
Loudspeakers - Distributed			
HE 1559	2	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
Loudspeakers - Presentation			
HE 1560	2	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1561	3	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1562	3	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1563	3	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1564	3	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Suite Level - Suites: 03.30.01 - Suite Lounge D			
Loudspeakers - Distributed			
HE 1565	2	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
Loudspeakers - Presentation			
HE 1566	2	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1567	3	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1568	3	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1569	3	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1570	3	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Food Service Spaces: 03.03.02 - Loge Club			
Loudspeakers - Distributed			
HE 1571	2	Bose Professional AMU105-B	Outdoor Loudspeaker - black
HE 1572	10	Bose Professional AMU206-B	Outdoor Loudspeaker - black
HE 1573	8	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1574	10	Bose Professional EM180 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1575	2	Bose Professional EM90 - White	In-Ceiling Premium Loudspeaker With Phaseguide Technology - White
HE 1576	32	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 1577	17	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1578	17	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1579	16	Samsung QB50C	50" 3840 x 2160, 16/7 Rated
HE 1580	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1581	17	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Suite Level - Food Service Spaces: 03.05.04 - Loge Bar A			
Video - Displays			
HE 1582	3	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1583	3	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1584	3	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1585	3	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Food Service Spaces: 03.12.03 - Loge Bar East			
Video - Displays			
HE 1586	3	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1587	3	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1588	3	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1589	3	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Suite Level - Food Service Spaces: 03.10.03 - Buffet 01			
Video - Displays			
HE 1590	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1591	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1592	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1593	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Suite Level - Food Service Spaces: 03.07.01 - Buffet 02			
Video - Displays			
HE 1594	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1595	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1596	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 1597	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Restrooms: 03.19.02 - Womens RR 10			
Loudspeakers - Distributed			
HE 1598	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1599	2	Custom Loudspeaker Rigging	Material & Labor As Required
Suite Level - Restrooms: 03.12.04 - Womens RR 11			
Loudspeakers - Distributed			
HE 1600	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1601	3	Custom Loudspeaker Rigging	Material & Labor As Required
Suite Level - Restrooms: 03.04.03 - Womens RR 12			
Loudspeakers - Distributed			
HE 1602	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1603	3	Custom Loudspeaker Rigging	Material & Labor As Required
Suite Level - Restrooms: 03.29.02 - Womens RR 13			
Loudspeakers - Distributed			
HE 1604	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1605	2	Custom Loudspeaker Rigging	Material & Labor As Required
Suite Level - Restrooms: 03.20.02 - Mens RR 09			
Loudspeakers - Distributed			
HE 1606	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1607	2	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Restrooms: 03.13.02 - Mens RR 10			
Loudspeakers - Distributed			
HE 1608	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1609	3	Custom Loudspeaker Rigging	Material & Labor As Required
Suite Level - Restrooms: 03.04.02 - Mens RR 11			
Loudspeakers - Distributed			
HE 1610	3	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1611	3	Custom Loudspeaker Rigging	Material & Labor As Required
Suite Level - Restrooms: 03.29.01 - Mens RR 12			
Loudspeakers - Distributed			
HE 1612	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1613	2	Custom Loudspeaker Rigging	Material & Labor As Required
Suite Level - Restrooms: 03.14.03 - Family 05			
Loudspeakers - Distributed			
HE 1614	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1615	1	Custom Loudspeaker Rigging	Material & Labor As Required
Suite Level - Restrooms: 03.03.03 - Family 06			
Loudspeakers - Distributed			
HE 1616	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 1617	1	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Technical Operation Spaces: 03.21.02 - Video Production-Glass			
Audio - Microphones			
HE 1618	1	RF Venue 4 ZONE	active antenna combiner
HE 1619	16	Sennheiser BA 70	Rechargeable battery pack for EW-D SK and EW-D SKM-S, lithium ion
HE 1620	2	Sennheiser EW-D COLOR CODING SET (EM)	Sets of magnetic color indicators for the EW-D EM for identification purposes. Includes (16) color indicators
HE 1621	4	Sennheiser EW-DP SKP	Digital Plug-On Wireless Transmitter
HE 1622	2	Sennheiser EW-DX EM 4	Receiver EW-DX EM 4 Dante
HE 1623	4	Sennheiser EW-DX SK	Bodypack transmitter with 3,5 mm jack. Includes (1) EW-DX SK and (2) AA batteries, frequency range: Q1-9 (470.2 - 550 MHz)
HE 1624	8	Sennheiser EW-DX SKM	Handheld transmitter without switch. Includes (1) EW-DX SKM, (1) MZQ1 microphone clip, and (2) AA batteries, frequency range: Q1-9 (470.2 - 550 MHz)
HE 1625	4	Sennheiser HSP 4	Neckband microphone, cardioid, for SK 50/250/2000/5212/6000/9000, 3-pin SE connector, cable 1.6m, anthracite
HE 1626	2	Sennheiser L 6000	Charger 19 ", for up to 4x charger cores LM 6060 / LM 6061, charger cores not included
HE 1627	8	Sennheiser LM 6070	Charger core for charger L6000, can be used for 2x BA 70
HE 1628	4	Sennheiser MKE 2 (BLACK EW)	Omni lavalier, reduced sensitivity, with evolution wireless connector. Includes MZQ222 clip and MZW2 windscreen. Black.
HE 1629	4	Sennheiser MMD 935	Microphone module, dynamic, cardioid, for SKM 100/300/500 G3 and G4, SKM 2000/6000/9000, SKM D1/AVX, SL Handheld DW, black
HE 1630	4	Sennheiser MMD 945	Microphone module, dynamic, supercardioid, for SKM 100/300/500 G3 and G4, SKM 2000/6000/9000, SKM D1/AVX, SL Handheld DW, black
HE 1631	2	Sennheiser MMK 965-1 BK	Microphone module, condenser, cardioid/supercardioid, for SKM 100/300/500 G3 and G4, SKM 2000/6000/9000, SKM D1/AVX, SL Handheld DW, black
HE 1632	8	Sennheiser MZW 1	Foam windscreen for evolution wireless handheld transmitters, MD46 and evolution wired
HE 1633	2	Sennheiser SL Headmic 1	Headworn microphone
Audio - Mixing Console System			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1634	2	DiGiCo MOD-SDR-ADC-32B	SD series 'Ultimate Stadius' 32-Bit Input Card (8 Mic/Line Input card) w/ Remote Gain Tracking Connectors: XLR
HE 1635	1	DiGiCo MOD-SDR-AES-IO	SD series AES/EBU I/O Card - 4 Inputs (8 Ch.) & 4 Outputs (8 Ch.) w/ SRC (Mount in Input slot only) with Digital Split & Gain Tracking Connectors: XLR
HE 1636	1	DiGiCo MOD-SDR-DAC-32B	SD series 'Ultimate Stadius' 32-Bit Output Card (8 Line Output card) w/ Digital Split & Gain Tracking Connectors: XLR
HE 1637	1	DiGiCo X-SDRM-ST	DiGiCo SD-MINI Rack 192kHz, Multi-Mode ST 4RU Rack, 4 Slots, 2 PSU's Connections: MADI x 2, Split x 2, Optics Connectors: BNC, ST
Audio - Playback & Recording			
HE 1638	2	Blackmagic Design Audio Monitor 12G G3	Rack Mount Audio Monitor - 1RU 12G-SDI
AV - Custom Plates & Panels			
HE 1639	6	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Equipment Racks			
HE 1640	1	Custom Equipment Rack AV Panels	Equipment Rack Connection Panel (Reference Drawings & Specs)
HE 1641	4	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 1642	2	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1643	2	Middle Atlantic D3	3Space Anodized Drawer
HE 1644	2	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1645	8	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1646	2	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1647	10	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 1648	2	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1649	2	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1650	2	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1651	2	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1652	2	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1653	2	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1654	2	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Patchbays & Patch Cables			
HE 1655	2	Bittree B48DC-HNSST/E3 M2OU12L	2X24 2RU 1/4 INCH LONG-FRAME PATCHBAY, FRONT SELECTABLE TRS AUDIO. E3 REAR INTERFACE, HALF NORMAL SWITCHED GROUNDS, 12" DEEP CHASSIS
HE 1656	20	Bittree LPC2400-110	1/4 Inch Long Frame Audio Patch Cable 2' Black
HE 1657	20	Bittree LPC2402-110	1/4 Inch Long Frame Audio Patch Cable 2' Red
HE 1658	20	Bittree LPC2404-110	1/4 Inch Long Frame Audio Patch Cable 2' Yellow
HE 1659	20	Bittree LPC2405-110	1/4 Inch Long Frame Audio Patch Cable 2' Green
HE 1660	8	Bittree LPCXF7200-110	Female XLR To 1/4 Inch Long Frame 6' Black
HE 1661	8	Bittree LPCXM7207-110	Male XLR To 1/4 Inch Long Frame 6' Purple
HE 1662	2	Bittree PCHA	AUDIO PATCH CABLE HOLDER
AV - Computers			
HE 1663	1	Evertz 1285T	12" Digital Clock Display
AV - Control Systems			
HE 1664	1	QSC TSC-101-G3	Q-SYS 10.1” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 1665	9	Clear-Com 110/490	110 Series Gooseneck Microphone: Long 19" / 490mm, Black, Tuchel
HE 1666	9	Clear-Com CC-220-X4	Headset: Double Ear, Light weight, XLR (F) 4 pin
HE 1667	12	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Broadcast - Pre-Wire			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1668	2	Bittree S64T-1MWNBK	12G+ MINI-WECO (MIDSIZE) VIDEO PATCHBAY, 2X32, 2 RU
HE 1669	12	Bittree VBB4800-75	VBB4800-75 - 4', Black
HE 1670	10	Bittree VPCMK4802-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - RED
HE 1671	10	Bittree VPCMK4805-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - GREEN
HE 1672	10	Bittree VPCMK4806-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - BLUE
HE 1673	10	Bittree VPCMK4807-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - PURPLE
HE 1674	2	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 1675	2	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 1676	6	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 1677	1	Clark Wire and Cable X-MPAS-I-8P	SMPTE Splice Enclosure, 2RU Angled In, 8 Plug
HE 1678	48	Panduit CJ688TGXX	Mini-Com® Cat 6 UTP RJ45 TG Jack Module, Select Jack Color As Required Per Specifications and Drawings.
HE 1679	1	Panduit CPPLA48WBLY	Mini-Com® Angled Patch Panel, 48 port, 2 RU, BL
HE 1680	48	Panduit UTP6AX5XX	TX6A™ 10Gig Cat 6A UTP Patch Cord 5-Foot,Select Patch Cord Color As Required Per Specifications And Drawings
Broadcast - Audio Monitor			
HE 1681	8	Blackmagic Design Audio Monitor 12G G3	Rack Mount Audio Monitor - 1RU 12G-SDI
Broadcast - Computers			
HE 1682	7	Adder ALIF4001T	ADDERLink INFINITY KVM - Transmitter
HE 1683	7	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 1684	8	Adder ALIF4001R	ADDERLink INFINITY KVM - Receiver
HE 1685	2	Logitech MX Master 3S	Wireless Mouse

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1686	3	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 1687	2	Ross Video XPN-KBD	XPression Keyboard
HE 1688	4	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 1689	2	Samsung S27A800U	27" ViewFinity S80UA UHD Monitor
Broadcast - Displays			
HE 1690	2	Sony FWD-55A95L	55" QD-OLED Broadcast Display
HE 1691	9	Samsung S27A800U	27" ViewFinity S80UA UHD Monitor
Broadcast - Equipment Racks			
HE 1692	1	Forecast Consoles FC-GCX-C2332	Console Furniture - 16' Total Length, Made up of 4 Position Modules
HE 1693	2	Forecast Consoles FC-GCX-C333	Console Furniture - 12' Total Length, Made up of 3 Position Modules
Broadcast - Loose Inventory			
HE 1694	9	Ergohuman Eurotech GEN2	High Back Black Mesh Office Chair with Adjustable and Flexible Lumbar Support – Headrest, Seat Slider, Armrests, and Height Adjustment, Color Black
Broadcast Network			
HE 1695	4	Luminex 10g SMF Transceiver	This single mode fiber (SMF) SFP+ transceiver provides 10GBase-LR throughput to up to 10km making use of a wavelength of 1310nm over a duplex LC connector.
HE 1696	1	Luminex GigaCore 30i	10Gb AV Network Switch with PoE++ (Single PSU)
Broadcast - Switching & Routing			
HE 1697	2	Ross Video CUF-PSU	Carbonite Ultra - Power Supply
HE 1698	1	Ross Video PS-OGX	600 Watt Universal Power Supply for OGX Frame
HE 1699	8	Ross Video SFP-FIBER-12G	SFP Transceiver,12G Optical, 1310nm
HE 1700	1	Ross Video TD1-PANEL-HM	TouchDrive 1 ME Panel Warranty
HE 1701	1	Ross Video TD-TouchScreen	A 15.6-inch touchscreen monitor that connects directly to the TouchDrive control panel for power,DashBoard interface,and touch-control.

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1702	1	Ross Video TD-TouchScreen-HM	TouchDrive TouchScreen Display Warranty
HE 1703	1	Ross Video ULTRITOUCH-2-HR	Ethernet Enabled 2RU Hi Res LCD Touchscreen Control Panel
HE 1704	4	Ross Video ULTRITOUCH-PS	Power supply for ULTRITOUCH
HE 1705	1	Adder ALIF4001R	ADDERLink INFINITY KVM - Receiver
HE 1706	1	Ross Video FCD-6847	FIBER CWDM DMX, 8 CH
HE 1707	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse
HE 1708	1	Ross Video FCM-6846	FIBER CWDM MUX, 8 CH
HE 1709	1	Ross Video OGX-FR-CNS	openGear OGX Frame with Cooling, Advanced Networking & SNMP
HE 1710	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 1711	4	Ross Video SFC-6901-R3F	12G Quad-Channel Fiber Transmit/Receive Card, w/Rear Module
HE 1712	2	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1713	1	Ross Video TD1-PANEL	1ME Control Panel
HE 1714	3	Ross Video ULTRITOUCH-2-HR	Ethernet Enabled 2RU Hi Res LCD Touchscreen Control Panel
HE 1715	1	Samsung S27A800U	27" ViewFinity S80UA UHD Monitor
Broadcast - Video Processing & Transport			
HE 1716	7	AJA Video Systems Hi5-12G	4K/UltraHD (12G-SDI) to HDMI 2.0 Converters
HE 1717	2	AJA Video Systems Io 4K Plus	Professional Video I/O Interface
Video - Displays			
HE 1718	4	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1719	4	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1720	2	Samsung QM32C	32" HD Display Native 1920 x 1080
Video - Processing & Transport			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1721	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Clocks

HE 1722	1	Evertz 7800SRG-IP+3RU	PTP slave reference sync generator - 6 output
HE 1723	1	Evertz 7801FR	Modular frame, 1RU, 4 slots
HE 1724	1	OES HW186Q+	ISC EDGE Protective Case
HE 1725	1	OES ISC-EDGE-PR	Scoring Controller - ISC-EDGE w/o radio PRO
HE 1726	1	OES ISCRMT-GT	ISC Remote - Game Time
HE 1727	1	OES ISCRMT-ST	ISC Remote - Shot Time
HE 1728	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Technical Operation Spaces: 03.21.01 - Audio			
Audio - Microphones			
HE 1729	1	RF Venue RF-EXPLORER-PRO	Portable RF Spectrum Analyzer
HE 1730	2	Sennheiser CLIP "HMDC 27"	HMDC 27 Clips For Different Microphone
HE 1731	2	Sennheiser HMD-26	1 pc Windscreen, small, for HMD 26, HMD 27, HMD 300 PROseries with white Sennheiser Logo printed
HE 1732	2	Sennheiser HMDC 27	Audio headset, NoiseGard 600/200 ? (ANR on/off), circumaural, dynamic microphone, hypercardioid, cable not included
Audio - Mixing Console System			
HE 1733	1	DiGiCo FC-Q225	Q225 3 Piece Flight Case with Pullout Keyboard on Casters
HE 1734	1	DiGiCo LIVETDM	Waves SG LIVE Bundle (51 Plug-Ins **may change)
HE 1735	1	DiGiCo MOD-DMI-DANTE2	DMI DANTE2 (2 x EtherCON) + Control 64 Ch. I/O Primary & Second 48/96kHz. w/ SRC
HE 1736	1	DiGiCo MOD-Q225-TRAY	Q225 Laptop/Script tray option for Q225 mounting bracket
HE 1737	2	DiGiCo OPTIC-CHA-ST	HMA Optics panel mount to ST (2x) Optics Cable 75cm Connectors: HMA to ST * 2 Required for A & B connection
HE 1738	4	DiGiCo OPTIC-LINK-10M	HMA Optics cable 10M (32.5 ft.) Connectors: HMA
HE 1739	1	DiGiCo X-Q225-W-WS-OP	Q225 Control Surface - MADI & One Multi-Mode Optics HMA Connections: MADI x 4 Optics x 1, Internal Waves Card, UB-MADI, DMI Port x 2 Connectors: BNC, HMA
HE 1740	1	DiGiCo X-WAVES-EX2	External DiGiCo/Waves Extreme (WSGSE) Server Package Includes: Waves Extreme (WSGSE) Sound Grid Server Rack 2U 8 Port Ethernet Switch x 1, 1M x 2 & 5M x 1 CAT6 cables) Note: Plug-Ins not included *Extreme approx. 40% increase in processing
HE 1741	1	Programming Control	Programming of AV Control System
HE 1742	2	Samsung S27A800U	27" ViewFinity S80UA UHD Monitor
HE 1743	2	Studio Technologies M232	Announcers Station
HE 1744	1	tmb EZ-Tilt	EZ-TILT ALUMINUM CONSOLE TIPPER
HE 1745	1	Training End-User Training	General End User Training Session

HENDERSON ENGINEERS

Location

System

ID#	QTY	Manufacturer/Model	Description
Audio - Playback & Recording			
HE 1746	1	elgato Stream Deck XL	32 Customizable LCD Key Points For Control Aplications
HE 1747	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 1748	1	Programming Control	Programming of AV playback system
HE 1749	1	Samsung S27A800U	27" ViewFinity S80UA UHD Monitor
HE 1750	1	Steinberg UR22C	2x2 USB Gen 3.1 Audio Interface
HE 1751	1	Tascam CD-400U	CD/MEDIA PLAYER
HE 1752	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
AV - Custom Plates & Panels			
HE 1753	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Equipment Racks			
HE 1754	2	APC SRTL2K2RM1UNC	Ultra 2200VA Battery Backup
HE 1755	3	LEX PRM2IN-5CC2DC	30 Amp 2RU Enclosed Rack, L21-30 to L5-30/Duplex Receptacles
HE 1756	3	Middle Atlantic D2	2Space Anodized Drawer
HE 1757	2	Middle Atlantic D3	3Space Anodized Drawer
HE 1758	3	R&R Cases Custom	Single Wide ESP Rack 14RU, With Adjustable Rear Rack Rail, Rear Door Panel Covers 10 RU of Space, Monitor Mount with Articulating Arm, and Internal Channel Front and Back For LED Strip Lights.
AV - Portable Power			
HE 1759	3	LEX PE105-15-L2130	15' 30A 120/208 VAC NEMA L21-30 Locking Extension
AV - Computers			
HE 1760	2	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse
HE 1761	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1762	1	HP ZBook	ZBook Power 16" G11 Mobile Workstation, Windows 11 ProIntel® Core™ Ultra 7 155H (up to 4.8 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 16 cores, 22 threads)32 GB memory; 1 TB SSD
HE 1763	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
Intercom & Paging			
HE 1764	2	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 1765	2	Clear-Com CC-110-X4	Headset: Single Ear, Light weight, XLR (F) 4 pin
HE 1766	1	Clear-Com HXII-MOUNT	HelixNet Surface Mount: Desk/Wall for HelixNet Speaker Station
HE 1767	1	Studio Technologies 391	Model 391 Dante Alerting Unit
HE 1768	1	Clear-Com HXII-KB-X4	HelixNet Speaker Station: 2/4Ch, Program Audio, Flush Mount with 4 pin XLR-Male headset
HE 1769	2	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Broadcast - Audio Monitor			
HE 1770	2	Neumann LH 65	Table Stand for KH 120 Monitor
HE 1771	2	Neumann KH 120 II AES67	5.25" Powered Studio Monitor - AES67 Input
Broadcast - Computers			
HE 1772	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
Broadcast - Displays			
HE 1773	2	Samsung S27A800U	27" ViewFinity S80UA UHD Monitor
Broadcast - Loose Inventory			
HE 1774	3	Ergohuman Eurotech GEN2	High Back Black Mesh Office Chair with Adjustable and Flexible Lumbar Support – Headrest, Seat Slider, Armrests, and Height Adjustment, Color Black
Broadcast - Switching & Routing			
HE 1775	1	Ross Video RCP-QE18	18 mnemonic button, 8 standard button, ethernet enabled RCP-QE18 remote control panel.
Broadcast - Video Processing & Transport			
HE 1776	2	AJA Video Systems Hi5-12G	4K/UltraHD (12G-SDI) to HDMI 2.0 Converters

Location

System

ID#	QTY	Manufacturer/Model	Description
Loudspeakers - Monitor			
HE 1777	2	Konig & Meyer 26776-000-55-B	26776 Tiltable desktop monitor stand
HE 1778	1	PreSonus MONITOR STATION 2	desktop studio control center that allows you to switch between three sets of studio monitors and three input sources.
Video - Displays			
HE 1779	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1780	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1781	2	Samsung QM32C	32" HD Display Native 1920 x 1080
Video - Processing & Transport			
HE 1782	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 1783	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Technical Operation Spaces: 03.20.01 - Multi-Purpose			
AV - Custom Plates & Panels			
HE 1784	3	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
Broadcast - Pre-Wire			
HE 1785	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 1786	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 1787	1	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 1788	1	Custom Broadcast Box Custom Panel Category	Broadcast Box Connection Panel Category (Reference Drawings & Specs)
Broadcast - Audio Processing & Transport			
HE 1789	1	AudioPressBox APB-D216 R-D	APB-D216 R-D
Video - Displays			
HE 1790	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 1791	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 1792	1	Samsung QM32C	32" HD Display Native 1920 x 1080
Clocks			
HE 1793	1	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Rack Rooms: 03.21.05 - TR 09			
Audio - Amplification			
HE 1794	1	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
AV - Custom Plates & Panels			
HE 1795	1	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 1796	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 1797	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1798	1	Middle Atlantic D3	3Space Anodized Drawer
HE 1799	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1800	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1801	1	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1802	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 1803	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1804	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1805	1	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 1806	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1807	1	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1808	1	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1809	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 1810	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1811	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 1812	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 1813	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 1814	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 1815	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 1816	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 1817	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 1818	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Loudspeakers - Monitor			
HE 1819	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.
Video - Processing & Transport			
HE 1820	1	AT&T STTAP06	Seven Line Satellite Trunk Tap Series; -6dB
HE 1821	1	Blonder Tongue AQT8-IP	Create custom IP output from Off-Air Sources
HE 1822	1	Blonder Tongue DGT-8	Digital Ready Directional Tap 8 Output
HE 1823	4	Directv DSWM30	ATT DIRECTV 26 Tuner Reverse-Band Capable Satellite Multiswitch
HE 1824	1	Directv DTV6PWRPOL-02	ProBrand Power Inserter Polarity Locker
HE 1825	1	Directv STA-R0-09	Six input DIRECTV amplifier
HE 1826	1	Directv SWM-EXPNDR-P-R0-09	SWM Expander Passive Module; Supports up to four DSWM-30 modules
HE 1827	6	ProBrand DRETAP6DB-02	Single Tap - 6dB
HE 1828	1	Technicolor COM400 Chassis-3RU	3RU Chassis, Supports up to 6 COM51, COM51A, COM46, or COM46A cards and up to 2 QAM20 cards. 2 x 1

Location

System

ID#	QTY	Manufacturer/Model	Description
			Gbit & 2 x 10 Gbit Ethernet connectors
HE 1829	3	Technicolor COM51	23 HD/SD channel Tuner Card for COM3000 Chassis
HE 1830	2	Televes 550104	Antenna Power Supply
HE 1831	1	Televes AVANT X	programmable multiband amplifier for terrestrial signals, with 32 digital programmable filters
HE 1832	1	TII 212FF75F225-31	Lightning Surge Protector, F Female, F Female with Integral Ground Block
HE 1833	3	TII 21FF75F225-31	231 Series Satellite Lightning Arrestor
HE 1834	1	VITEC 17629-us	ChannelLink - IP Gateway - Physical Server - US

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Rack Rooms: 03.12.01 - TR 10			
Audio - Amplification			
HE 1835	2	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
AV - Custom Plates & Panels			
HE 1836	1	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 1837	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 1838	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1839	1	Middle Atlantic D3	3Space Anodized Drawer
HE 1840	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1841	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1842	1	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1843	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 1844	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1845	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1846	1	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 1847	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1848	1	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1849	1	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1850	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 1851	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1852	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 1853	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 1854	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 1855	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 1856	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 1857	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 1858	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 1859	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Loudspeakers - Monitor			
HE 1860	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Rack Rooms: 03.06.02 - TR 11			
Audio - Amplification			
HE 1861	2	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
AV - Custom Plates & Panels			
HE 1862	1	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 1863	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Front Doors, Rear Doors, Fans, Rack Lighting, & Power Distribution Unit(s)/Raceways Needed To Complete Rack To Bid Spec
HE 1864	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1865	1	Middle Atlantic D3	3Space Anodized Drawer
HE 1866	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1867	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1868	1	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1869	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 1870	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1871	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1872	1	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 1873	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1874	1	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1875	1	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1876	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 1877	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1878	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 1879	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 1880	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 1881	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 1882	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 1883	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 1884	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 1885	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Loudspeakers - Monitor			
HE 1886	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.

Location

System

ID#	QTY	Manufacturer/Model	Description
Suite Level - Rack Rooms: 03.27.03 - TR 12			
Audio - Amplification			
HE 1887	1	Powersoft UNICA 8M 4K8	4000W Eight-Channel Cloud-Based Amplifier Platform
AV - Custom Plates & Panels			
HE 1888	1	Custom Equipment Rack AV Panels	Touch Screen Controller Custom Mounting Panel
AV - Equipment Racks			
HE 1889	1	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Fans, Rack Lighting, & Power Raceways Needed To Complete Rack To Bid Spec
HE 1890	1	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1891	1	Middle Atlantic D3	3Space Anodized Drawer
HE 1892	1	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1893	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1894	1	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1895	5	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 1896	1	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1897	1	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1898	1	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 1899	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1900	1	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1901	1	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1902	1	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
AV - Computers			
HE 1903	1	Crystal Image Technologies RMD-187	1RU Rack-Mount Keyboard and Optical Mouse

MAJOR EQUIPMENT LIST

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1904	1	HP Z2 Mini Series	Computer for AV System Contol HP Z2 Mini G9 Workstation with Intel i7 13700, Integrated Intel 770 graphics, 16 GB RAM, 512 GB SSD
HE 1905	1	Logitech MX Keys S Combo	MX Keys Combo Keyboard and Mouse for Business, Gen 2
HE 1906	1	Middle Atlantic RM-LCD-PNLK	3space LCD panel with Knuckle
HE 1907	1	Samsung F24T454GYN	24" T45F IPS Panel 16:10 Aspect Ratio Borderless Professional Monitor
AV - Control Systems			
HE 1908	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Intercom & Paging			
HE 1909	1	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 1910	1	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 1911	1	Clear-Com HXII-RM-X4	HelixNet Remote Station: 4Ch, Program Audio with Stage Announce, Program Audio, Hot-Mic, 4 pin XLR-Male headset
Loudspeakers - Monitor			
HE 1912	1	Fostex RM-3DT	powered rack-mount monitor with Dante* audio network function.

Catwalk Level

Clocks

HE 1913	1	OES HN-CTRL	Horn Control - RS485
HE 1914	2	OES HW182D	Horn Trumpet

Catwalk Level: Court PA

Loudspeakers - Performance

HE 1915	14	d&b Audiotechnik Z1610.000	24S Loudspeaker
HE 1916	14	d&b Audiotechnik Z5554.000	24S Horizontal bracket

Location

System

ID#	QTY	Manufacturer/Model	Description
Catwalk Level: Bowl PA			
Loudspeakers - Performance			
HE 1917	10	d&b Audiotechnik Z0712.001	Yi7P Loudspeaker
HE 1918	8	d&b Audiotechnik Z0713.001	Yi10P Loudspeaker
HE 1919	24	d&b Audiotechnik Z0732.001	ALi60 Loudspeaker
HE 1920	18	d&b Audiotechnik Z0733.001	ALi90 Loudspeaker
HE 1921	14	d&b Audiotechnik Z0795.000	KSLi-SUB Subwoofer
HE 1922	18	d&b Audiotechnik Z5399.000	YP Mounting bracket
HE 1923	28	d&b Audiotechnik Z5453.000	AL Hoist connector chain
HE 1924	14	d&b Audiotechnik Z5454.000	AL Safety chainset
HE 1925	14	d&b Audiotechnik Z5459.000	ALi Mounting frame top
HE 1926	14	d&b Audiotechnik Z5744.000	KSLi SUB mounting frame

Location

System

ID#	QTY	Manufacturer/Model	Description
Catwalk Level: SW Platform			
Audio - Amplification			
HE 1927	7	d&b Audiotechnik Z2830.500	40D Amplifier US /CA/KR
Audio - Microphones			
HE 1928	1	RF Venue DFINB	Diversity Fin Antenna Include Black hardware for installation
Audio - Mixing Console System			
HE 1929	2	DiGiCo MOD-SDR-ADC-32B	SD series 'Ultimate Stadius' 32-Bit Input Card (8 Mic/Line Input card) w/ Remote Gain Tracking Connectors: XLR
HE 1930	1	DiGiCo MOD-SDR-AES-O	SD series AES/EBU Output Card - 4 Outputs (8 Ch.) w/ SRC with SRC, Digital Split & Gain Tracking Connectors: XLR
HE 1931	1	DiGiCo MOD-SDR-DAC-32B	SD series 'Ultimate Stadius' 32-Bit Output Card (8 Line Output card) w/ Digital Split & Gain Tracking Connectors: XLR
HE 1932	1	DiGiCo X-SDRM-ST	DiGiCo SD-MINI Rack 192kHz, Multi-Mode ST 4RU Rack, 4 Slots, 2 PSU's Connections: MADI x 2, Split x 2, Optics Connectors: BNC, ST
AV - Custom Plates & Panels			
HE 1933	1	Custom Equipment Rack AV Panels	Equipment Rack Connection Panel (Reference Drawings & Specs)
AV - Equipment Racks			
HE 1934	2	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Fans, Rack Lighting, & Power Raceways Needed To Complete Rack To Bid Spec
HE 1935	2	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1936	1	Middle Atlantic D3	3Space Anodized Drawer
HE 1937	2	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1938	1	Middle Atlantic LVFD-44	44 RU Vented Front Door for ERK, MRK and WRK Racks, 64% Open
HE 1939	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1940	2	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1941	10	Middle Atlantic MPR-BL8A	MPR 8" Blank Module

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1942	2	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1943	2	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1944	1	Middle Atlantic MW-LVRD-44	44 RU Vented Rear Door Racks for MRK,WRK,VRK Racks, 64% Open
HE 1945	2	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 1946	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1947	2	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1948	2	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1949	2	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
Broadcast - Pre-Wire			
HE 1950	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 1951	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 1952	6	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 1953	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS
Broadcast - Video Processing & Transport			
HE 1954	1	Evertz 7800SRG-IP+3RU	PTP slave reference sync generator - 6 output
HE 1955	1	Evertz 7801FR	Modular frame, 1RU, 4 slots
HE 1956	1	Ross Video FSB-OGX	OGX Frame Rear Support Brackets
HE 1957	1	Ross Video OGX-FR-CN	openGear OGX Frame with Cooling and Advanced Networking
HE 1958	1	Ross Video PS-OGX	600 Watt Universal Power Supply for OGX Frame
HE 1959	2	Ross Video SFC-6901-R3F	12G Quad-Channel Fiber Transmit/Receive Card, w/Rear Module
HE 1960	4	Ross Video SFP-FIBER-12G	SFP Transceiver,12G Optical, 1310nm

Location

System

ID#	QTY	Manufacturer/Model	Description
Catwalk Level: NW Platform			
Audio - Amplification			
HE 1961	8	d&b Audiotechnik Z2830.500	40D Amplifier US /CA/KR
Audio - Microphones			
HE 1962	1	RF Venue DFINB	Diversity Fin Antenna Include Black hardware for installation
Audio - Mixing Console System			
HE 1963	2	DiGiCo MOD-SDR-ADC-32B	SD series 'Ultimate Stadius' 32-Bit Input Card (8 Mic/Line Input card) w/ Remote Gain Tracking Connectors: XLR
HE 1964	1	DiGiCo MOD-SDR-AES-O	SD series AES/EBU Output Card - 4 Outputs (8 Ch.) w/ SRC with SRC, Digital Split & Gain Tracking Connectors: XLR
HE 1965	1	DiGiCo MOD-SDR-DAC-32B	SD series 'Ultimate Stadius' 32-Bit Output Card (8 Line Output card) w/ Digital Split & Gain Tracking Connectors: XLR
HE 1966	1	DiGiCo X-SDRM-ST	DiGiCo SD-MINI Rack 192kHz, Multi-Mode ST 4RU Rack, 4 Slots, 2 PSU's Connections: MADI x 2, Split x 2, Optics Connectors: BNC, ST
AV - Custom Plates & Panels			
HE 1967	1	Custom Equipment Rack AV Panels	Equipment Rack Connection Panel (Reference Drawings & Specs)
AV - Equipment Racks			
HE 1968	2	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Fans, Rack Lighting, & Power Raceways Needed To Complete Rack To Bid Spec
HE 1969	2	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1970	1	Middle Atlantic D3	3Space Anodized Drawer
HE 1971	2	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1972	1	Middle Atlantic LVFD-44	44 RU Vented Front Door for ERK, MRK and WRK Racks, 64% Open
HE 1973	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1974	2	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1975	10	Middle Atlantic MPR-BL8A	MPR 8" Blank Module

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 1976	2	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1977	2	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 1978	1	Middle Atlantic MW-LVRD-44	44 RU Vented Rear Door Racks for MRK,WRK,VRK Racks, 64% Open
HE 1979	2	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 1980	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 1981	2	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 1982	2	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 1983	2	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
Broadcast - Pre-Wire			
HE 1984	2	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 1985	2	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 1986	4	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 1987	2	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS

Location

System

ID#	QTY	Manufacturer/Model	Description
Catwalk Level: NE Platform			
Audio - Amplification			
HE 1988	6	d&b Audiotechnik Z2830.500	40D Amplifier US /CA/KR
Audio - Microphones			
HE 1989	1	RF Venue DFINB	Diversity Fin Antenna Include Black hardware for installation
AV - Equipment Racks			
HE 1990	2	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Fans, Rack Lighting, & Power Raceways Needed To Complete Rack To Bid Spec
HE 1991	2	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 1992	1	Middle Atlantic D3	3Space Anodized Drawer
HE 1993	2	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 1994	1	Middle Atlantic LVFD-44	44 RU Vented Front Door for ERK, MRK and WRK Racks, 64% Open
HE 1995	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 1996	2	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 1997	10	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 1998	2	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 1999	2	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 2000	1	Middle Atlantic MW-LVRD-44	44 RU Vented Rear Door Racks for MRK,WRK,VRK Racks, 64% Open
HE 2001	2	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 2002	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 2003	2	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 2004	2	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 2005	2	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
Broadcast - Pre-Wire			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2006	1	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 2007	1	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 2008	2	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 2009	1	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS

Location

System

ID#	QTY	Manufacturer/Model	Description
Catwalk Level: SE Platform			
Audio - Amplification			
HE 2010	6	d&b Audiotechnik Z2830.500	40D Amplifier US /CA/KR
Audio - Microphones			
HE 2011	1	RF Venue DFINB	Diversity Fin Antenna Include Black hardware for installation
AV - Equipment Racks			
HE 2012	2	Custom Equipment Rack Completion	All Vertical & Horizontal Lacing Bars, Brush Grommets, Blank Panels, Side Panels, Fans, Rack Lighting, & Power Raceways Needed To Complete Rack To Bid Spec
HE 2013	2	Middle Atlantic BB-44-1	Copper Bus Bar, 44SPx1
HE 2014	1	Middle Atlantic D3	3Space Anodized Drawer
HE 2015	2	Middle Atlantic LT-CABUTL-DUAL	Dual Rkmt Work Light
HE 2016	1	Middle Atlantic LVFD-44	44 RU Vented Front Door for ERK, MRK and WRK Racks, 64% Open
HE 2017	4	Middle Atlantic M-2X20A	MPR Module, 20 Amp, Double Duplex
HE 2018	2	Middle Atlantic MPR-9A	MPR Raceway, 80
HE 2019	10	Middle Atlantic MPR-BL8A	MPR 8" Blank Module
HE 2020	2	Middle Atlantic MPR-JB863A	MPR Jbox 8"X6"X3
HE 2021	2	Middle Atlantic MW-10FT-FC	10"(1)FAN/TOP W/FC M/W
HE 2022	1	Middle Atlantic MW-LVRD-44	44 RU Vented Rear Door Racks for MRK,WRK,VRK Racks, 64% Open
HE 2023	2	Middle Atlantic PD-1820R-RN	Multi-Mount Rackmount Power, 18 Outlet, 20A, 2-Stage Surge
HE 2024	1	Middle Atlantic SPN-44-312	PR black 44space sides for 31-32
HE 2025	2	Middle Atlantic T-80X6	80 Tails - 6 Pack
HE 2026	2	Middle Atlantic UPX-2000R-2	2000VA 120V UPS LOCAL BANK CONTROL
HE 2027	2	Middle Atlantic WRK-44-32	44Space/32D Multibay WRK
Broadcast - Pre-Wire			

MAJOR EQUIPMENT LIST

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2028	2	Clark Wire and Cable X-DT12-PANEL-1F-EDAC	DT12 breakout panel is prewired to discrete XLR inputs and outputs for passive breakout connections to Female EDAC3. The industry standard Clark brand DT12 connector has an all-metal aluminum shell casing and is virtually crush and corrosion proof.
HE 2029	2	Clark Wire and Cable X-DT12-PANEL-1M-EDAC	DT12 breakout panel are prewired to discrete XLR inputs and outputs for passive breakout connections to Male EDAC3. The DT12, all-metal aluminum shell casings are virtually crush and corrosion proof, and mate with all DT12 type connectors.
HE 2030	4	Clark Wire and Cable X-FB1-STSM-12	Fiber Splice Enclosure, 1RU, 1x12 ST
HE 2031	2	Clark Wire and Cable X-MPAS-O-2S	SMPTE SPLICE ENCLOSURE, 2RU, ANGLED, 2 CHANNEL CHASSIS CONNECTORS

Roof Level

Broadcast - Pre-Wire

HE 2032	1	Custom Antenna Plugbox	Antenna Connection Plate (Reference Drawings & Specs)

Broadcast - Video Processing & Transport

HE 2033	1	DX Engineering AFHD-4	Antenna, AM/FM/HD Broadcast Receive Omni Vertical, Outdoor
HE 2034	1	Televes 14883	OTA TV Antenna

Video - Processing & Transport

HE 2035	1	Directv SL5KRB	Reverse Band 5 Satellite UltraHD 4K LNB for SWM-30
HE 2036	1	Directv SLSPF-LP	SL3 SL5 Slim Line Satellite Dish with Stub Mount

Location

System

ID#	QTY	Manufacturer/Model	Description
Loose Equipment			
Audio - Loose Inventory			
HE 2037	4	DPA Microphones 2017	Supercardioid Shotgun Microphone
HE 2038	12	Earthworks FM500	Flexible Cardioid Podium Microphone (19") (500mm)
HE 2039	8	QSC K12 OUTDOOR COVER	Nylon fabric and mesh cover for temporary outdoor use of K12 in adverse weather. Removable amplifier panel allows access to connectors and controls. Vented panel maintains airflow for proper heat management. Not intended for permanent outdoor install. FITS BOTH K12 AND NEW K12.2.
HE 2040	8	QSC K12 TOTE	Soft, padded tote made with weather resistant, heavy-duty Nylon/Cordura® material. FITS BOTH K12 AND NEW K12.2
HE 2041	8	QSC K12.2 YOKE	Powder coated steel yoke for mounting the K12.2 vertically or horizontally to structures.
HE 2042	46	RIP-TIE L-06-1PK-BK-WO	Hook and Loop Cable Wrap 6" Write-On - 1PK - Black
HE 2043	28	RIP-TIE L-06-1PK-BU-WO	Hook and Loop Cable Wrap 6" Write-On - 1PK - Blue
HE 2044	32	RIP-TIE L-06-1PK-RD-WO	Hook and Loop Cable Wrap 6" Write-On - 1PK - Red
HE 2045	8	RIP-TIE L-06-1PK-Y-WO	Hook and Loop Cable Wrap 6" Write-On - 1PK - Yellow
HE 2046	4	Sennheiser MKE 600	Shotgun microphone for on-camera use (AA battery or phantom power) with switchable low-cut filter and on/off switch. Includes (1) MZS 600 camera shockmount, (1) MZW 600 windscreen and (1) KA 600 XLR female to 3.5 mm TRS male cable
HE 2047	8	Sennheiser MZW 1	Foam windscreen for evolution wireless handheld transmitters, MD46 and evolution wired
HE 2048	4	Shure A100WS	Foam Windscreen for KSM141 and KSM137
HE 2049	4	Shure A2WS-BLK	Black Locking Foam Windscreen for 545 Series, SM57
HE 2050	16	Shure A58WS-BLK	Black Foam Windscreen for All Shure Ball Type Microphones
HE 2051	24	Bittree LPC4800-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Black
HE 2052	24	Bittree LPC4802-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Red
HE 2053	24	Bittree LPC4804-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Yellow
HE 2054	24	Bittree LPC4805-110	1/4 Inch Long-Frame Patchcord - 48 Inch (120 cm) - Green

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2055	24	Bittree LPCXF7200-110	Female XLR To 1/4 Inch Long Frame 6' Black
HE 2056	24	Bittree LPCXM7207-110	Male XLR To 1/4 Inch Long Frame 6' Purple
HE 2057	4	Bittree PCHA	AUDIO PATCH CABLE HOLDER
HE 2058	6	Clark Wire and Cable X-DT12-F-MXLR-4	DT12 Fanout Female to Male XLRs 4'
HE 2059	4	Clark Wire and Cable X-DT12-MF-25	DT12 Male/Female Cable - 25'
HE 2060	6	Clark Wire and Cable X-DT12-M-FXLR-4	DT12 Fanout Male to Female XLRs 4'
HE 2061	24	Clark Wire and Cable X-MINK4-10-XF-XM	10' Mic cable 24 AWG Extra-Flexible, Quad: Nickel/Silver - Mink4
HE 2062	24	Clark Wire and Cable X-MINK4-25-XF-XM	25' Mic cable 24 AWG Extra-Flexible, Quad: Nickel/Silver - Mink4
HE 2063	8	Clark Wire and Cable X-MINK4-50-XF-XM	50' Mic cable 24 AWG Extra-Flexible, Quad: Nickel/Silver - Mink4
HE 2064	24	Clark Wire and Cable X-MINK4-5-XF-XM	5' Mic cable 24 AWG Extra-Flexible, Quad: Nickel/Silver - Mink4
HE 2065	2	Fiberplex TKIT-DANTE-S	Singlemode Fiber Link Kit - Dante
HE 2066	2	Gator Cases G-TOUR M15	15 Microphones Road Case
HE 2067	2	Gator Cases GU-1510-06-WDPF	Adapter & Direct Box Case
HE 2068	12	Konig & Meyer 21021-500-55	Microphone Stand with Boom - Overhead
HE 2069	12	Konig & Meyer 21090-500-55	Microphone Stand with Boom - Standing Height
HE 2070	12	Konig & Meyer 23200-500-55	Microphone Stand - Tabletop
HE 2071	12	Konig & Meyer 23325-500-55	Microphone Stand - Table / Floor Adjustable
HE 2072	12	Konig & Meyer 25900-500-55	Microphone Stand with Boom - Low Level
HE 2073	12	Konig & Meyer 26075-500-55	Microphone Stand - Stackable - SHH Adjustment
HE 2074	8	Neutrik NA2FPMF	3 Pole XLR female RCA/phono socket
HE 2075	8	Neutrik NA2FPMM	3 Pole XLR female RCA/phono plug
HE 2076	8	Neutrik NA2MPMF	3 Pole XLR male RCA/Phono socket

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2077	8	Neutrik NA2MPMM	3 Pole XLR male RCA/phono plug
HE 2078	8	Neutrik NA3FF	3 Pole XLR female - 3 pole XLR female
HE 2079	8	Neutrik NA3FM	3 Pole XLR male - 3 pole XLR female (extention adapter)
HE 2080	8	Neutrik NA3FP	3 Pole XLR female - Stereo 1/4" plug (Tip, Ring, Sleeve contact)
HE 2081	8	Neutrik NA3MJ	3 Pole XLR male - stereo 1/4" locking jack (Tip, Ring, Sleeve contact)
HE 2082	8	Neutrik NA3MM	3 Pole XLR male - 3 pole XLR male (gender conversion adapter)
HE 2083	8	Neutrik NA3MP	3-Pole XLR male - stereo 1/4" plug (Tip, Ring, Sleeve contact)
HE 2084	8	QSC K12.2-NA	Loudspeaker K12.2-NA 12" 2-Way 2000W
HE 2085	2	Radial Engineering BT-Pro V2 (R800 105700)	Stereo Bluetooth Direct Box
HE 2086	4	Radial Engineering ProAV2 (R800 1115)	Passive DI for audio video, 2-channel with RCA 3.5mm and XLR input
HE 2087	4	Radial Engineering ProDI (R800 1100)	Passive DI for acoustic, bass & keyboard with eclipse ET-DB2 transformer
HE 2088	2	Radial Engineering USB-Pro	Digital audio converter
HE 2089	2	Rat Sound Systems XLR Sniffer/Sender	3-Pin XLR Cable Tester
HE 2090	4	Sennheiser e935	Handheld microphone (cardioid, dynamic) with 3-pin XLR-M. Includes (1) MZQ 800 clip and (1) carrying pouch (11.6 oz)
HE 2091	8	Sescom SC10SS	Instrument Cable - 1/4" to 1/4" - 10'
HE 2092	4	Sescom SES-IPOD-QTRM06	3.5mm Stereo Plug to Dual 1/4" Plugs - 6'
HE 2093	4	Sescom SES-IPOD-RCA06	3.5mm Stereo Plug to Dual RCA Male Plugs - 6'
HE 2094	2	Sescom SES-IPOD-XLRM06	3.5mm Stero Plug to Dual XLR Male Plugs - 6'
HE 2095	2	Sescom SES-X-FA2LXBT01	Audio Fiber Extender: Battery Powered 2 CH Balanced XLR Bi-Directional Line Level with ST Fiber Connector
HE 2096	2	Sescom SES-X-FA4LXT01	Audio Fiber Extender - 4 CH Line Level to ST
HE 2097	8	Shure BETA 58A	Supercardioid Dynamic with High Output Neodymium Element, for Vocal and Instrument Applications

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2098	4	Shure KSM137/SL	Cardioid Studio Condenser Microphone (Champagne), Foam Windscreen and Carrying Case
HE 2099	4	Shure SM57-LC	Cardioid Dynamic
HE 2100	2	Whirlwind MCT-7	Diagnostic Cable Tester For NI4, 5 Pin DIN, BNC, XLR, TRS, RCA And 3.5 mm Connector
HE 2101	2	Whirlwind Qbox	Audio Line Tester/Cable Tester/Test Tone Generator
HE 2102	4	Clark Wire and Cable X-DT12-MF-50	50' DT12 Cable Male/Female with Dust Caps
HE 2103	4	Clark Wire and Cable X-DT12-MF-100	100' DT12 Cable Male/Female with Dust Caps
HE 2104	4	Konig & Meyer 21449-000-55 - black	Two easy-to-carry speaker stands made of high quality aluminum in a carrying case.
HE 2105	4	Gator Cases G-TOURTRK302212	Truck Pack Trunk; 30X22X22; 12mm; W/ Dividers
AV - Portable Power			
HE 2106	2	Gator Cases G-TOURTRK302212	Truck Pack Trunk; 30X22X22; 12mm; W/ Dividers
HE 2107	8	LEX BNB2-3B	30A Bento Box with Duplex Receptacles
HE 2108	8	LEX PE105-15-L2130	15' 30A 120/208 VAC NEMA L21-30 Locking Extension
HE 2109	8	LEX PE105-25-L2130	25' 30A 120/208 VAC NEMA L21-30 Locking Extension
HE 2110	6	RIP-TIE D-12-1PK-BK	Velcro Cable Wraps 12" Black
HE 2111	8	tmb Pro Pendant 20 Amp 50'	Pro Pendant 20 amp 125V weatherized plugs and covers 50'
HE 2112	12	tmb Pro Pendant 20 Amp 15'	Pro Pendant 20 amp 125V weatherized plugs and covers 15'
HE 2113	8	tmb Pro Pendant 20 Amp 25'	Pro Pendant 20 amp 125V weatherized plugs and covers 25'
HE 2114	8	tmb ProStringer 25'	Pro Stinger 25' 20amp 125V 4 boxes standard spacing with weatherized plugs and covers
HE 2115	4	LEX PE105-50-L2130	50' 30A 120/208 VAC NEMA L21-30 Locking Extension
Intercom & Paging			
HE 2116	14	Clark Wire and Cable X-CN426C5TFS-25-NE8	25' Tactical Cat5 Shielded Extra-Flexible, Heavy Duty: etherCON - Cat5-FlexSH cable
HE 2117	6	Clark Wire and Cable X-MINK4-25-XF-XM	25' Mic cable 24 AWG Extra-Flexible, Quad: Nickel/Silver - Mink4

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2118	6	Clear-Com 110/340	110 Series Gooseneck Microphone: Standard 13" / 340mm, Black, Tuchel
HE 2119	6	Clear-Com CC-220-X4	Headset: Double Ear, Light weight, XLR (F) 4 pin
HE 2120	4	Clear-Com CC-400-X4	Headset: Double Ear, Medium weight, XLR (F) 4 pin
HE 2121	4	Clear-Com CC-400-X5	Headset: Double Ear, Medium weight, XLR (M) 5 pin
HE 2122	14	Clear-Com CC-400-Y4	Headset: Double Ear, Medium weight, XLR (M) 4 pin
HE 2123	2	Clear-Com HS-6	Handset: Telephone style, XLR (F) 4 pin
HE 2124	8	Clear-Com HXII-BP-X4	HelixNet Beltpack: 2Ch, Program Audio
HE 2125	6	Clear-Com HXII-KB-X4	HelixNet Speaker Station: 2/4Ch, Program Audio, Flush Mount with 4 pin XLR-Male headset
HE 2126	6	Clear-Com HXII-MOUNT	HelixNet Surface Mount: Desk/Wall for HelixNet Speaker Station
HE 2127	6	Clear-Com RS-701	Encore Beltpack: 1Ch
HE 2128	2	Studio Technologies 391	Model 391 Dante Alerting Unit

Broadcast - Cameras

HE 2129	6	Anton Bauer Titan 90 Gold	92Wh lithium-ion Gold Mount Camera Battery
HE 2130	3	Blackmagic Design BMURSACA/HGRIP	Blackmagic Design URSA Mini Handgrip
HE 2131	3	Blackmagic Design Camera Fiber Converter	SMPTE fiber converter - Camera Module
HE 2132	3	Blackmagic Design CINEURSAMUPROTEF	URSA Mini Pro EF Mount
HE 2133	3	Blackmagic Design CINEURSANEVFP	Blackmagic URSA Viewfinder
HE 2134	3	Blackmagic Design CINEURSASHMKM	Shoulder-Mount Kit
HE 2135	3	Blackmagic Design CINEURSASHMSSD2	URSA Mini Recorder
HE 2136	3	Blackmagic Design CINEURVBATTGOLD	URSA Gold Mount Battery Plate
HE 2137	3	Blackmagic Design HYPERD/AVIDA12/7HDR	Video Assist 7" 12G-SDI/HDMI HDR Recording Monitor
HE 2138	3	Blackmagic Design HYPERD/AXLRMINI2	Mini XLR to XLR Audio Cables

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2139	3	Blackmagic Design PSUPPLY/XLR12V100	URSA Power Supply
HE 2140	3	Blackmagic Design PSUPPLY-12V36WLOCK	International Power Supply
HE 2141	3	Blackmagic Design Studio Fiber Converter	SMPTE fiber converter - Receiver
HE 2142	3	Blackmagic Design URSA MINI MIC MOUNT	Microphone mount for URSA Mini Camera
HE 2143	3	Blackmagic Design URSA MINI PRO PL MOUNT	PL Mount for URSA Mini Pro
HE 2144	3	Comprehensive PWC-BK-6	6' Standard PC Power Cord
HE 2145	1	Cuebi Wireless Tally Light	Wireless Tally Light - WiFi Set of 2
HE 2146	2	Elvid BNCRR-020-C2	2' Coiled SDI Cable
HE 2147	2	Fujinon MK18-55mm T2.9	E-Mount Cinema Lens - 18-55mm
HE 2148	2	Fujinon MS-31D	Manual Focus / Servo Zoom Kit - Includes Modules, Cables, Focus Grip, Zoom Rate Demand Unit
HE 2149	6	MultiDyne V6-3961-02-SDAETB-ST	VB SERIES 2, VB6, 0X2 12G, GL, DATA, AUDIO, 1GbE, TIMECODE+LANC, ST FIBER, B-SIDE
HE 2150	6	MultiDyne V6-3961-20-SDAETA-ST	VB SERIES 2, VB6, 2X0 12G, GL, DATA, AUDIO, 1GbE, TIMECODE+LANC, ST FIBER, A-SIDE
HE 2151	3	Pearstone 9041670 7.5" Articulating Arm	7.5" Articulating Arm - 1/4"-20
HE 2152	6	Samsung MZ-77E500B/AM	500GB 870 EVO SATA III 2.5" Internal SSD
HE 2153	6	SanDisk SDSDXDK-256G-ANCIN	256GB Extreme PRO UHS-II SDXC Memory Card
HE 2154	5	Sennheiser HMD-26	1 pc Windscreen, small, for HMD 26, HMD 27, HMD 300 PROseries with white Sennheiser Logo printed
HE 2155	5	Sennheiser HMD-27	Audio headset, circumaural, dynamic microphone, hypercardioid, with cable
HE 2156	5	Sennheiser MKE 600	Shotgun microphone for on-camera use (AA battery or phantom power) with switchable low-cut filter and on/off switch. Includes (1) MZS 600 camera shockmount, (1) MZW 600 windscreen and (1) KA 600 XLR female to 3.5 mm TRS male cable
HE 2157	3	SKB 3I-221312BKU	iSeries Waterproof Case with Wheels for Blackmagic URSA Mini
HE 2158	2	Sony CAC-12	Adjustable Camera Microphone Holder
HE 2159	2	Sony HKCU-REC55	Recording Option Board for HDCU-5500/3500

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2160	2	Sony HZC-PRV50	Progressive Software Upgrade - Full License
HE 2161	4	Sony HZC-UHD50	4K Upgrade for HDC-P50
HE 2162	2	Sony HZCU-UHD35	4K Upgrade for HDCU-3500
HE 2163	2	Sony HZCU-UHDR50	4K Recording License for HKCU-REC50/REC55
HE 2164	1	Sony PWAL-RCT50	Recording Control Option for PWA-RCT1
HE 2165	4	Telemetrics CA-S5-SER-010	Serial Data Cable
HE 2166	4	Telemetrics PT-CP-S5	Pan/Tilt Remote Camera Head
HE 2167	3	Vinten 3219-101	Vision Pan Bar
HE 2168	2	Vinten 3219-82	Telescopic Pan Bar and Clamp
HE 2169	3	Vinten 3466-3	Vision 100 Pan and Tilt Head
HE 2170	2	Vinten V3996-0001	Vector 950 Pan and Tilt Head
HE 2171	3	Vinten V4045-1901	Vision Camera Plate
HE 2172	3	Watson C-4203BKI	NP-F770 Lithium-Ion Battery Pack
HE 2173	3	Blackmagic Design CINEURSAMUPRO46KG2	URSA Mini Pro 4.6K G2 Digital Cinema Camera
HE 2174	2	Blackmagic Design URSA STUDIO VIEWFINDER G2	7" viewfinder/monitor
HE 2175	1	Easyrig ERIG-VARIO5-A5-GR	Easyrig Vario 5 with Gimbal Rig Vest and 5" Extended Arm
HE 2176	1	Fujinon UA14x4.5BERD	2/3" 4K ENG/EFP Portable Lens - 14x Zoom
HE 2177	5	Fujinon UA18x7.6BERD	2/3" 4K ENG/EFP Portable Lens - 18x Zoom
HE 2178	1	Fujinon UA23x7.6BERD	2/3" 4K ENG/EFP Portable Lens - 23x Zoom
HE 2179	1	Fujinon UA27x6.5BESM	2/3" 4K Studio / Field Lens - Box Lens -27x Zoom
HE 2180	1	Fujinon UA70x8.7BESM	2/3" 4K Studio / Field Lens - Box Lens -70x Zoom

HENDERSON ENGINEERS

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2181	3	Fujinon ZK4.7X19	Super 35 4K Servo-Drive Cinema Lens - ZK19-90mm T2.9 - PL Mount
HE 2182	1	Sony CNA2	Camera Control Network Adaptor (3rd party paint)
HE 2183	2	Sony HDC-3500L	2/3" 4K 3-CMOS Camera - Fiber
HE 2184	4	Sony HDCP50	4K/HD compact POV system camera
HE 2185	2	Sony HDCU-3500L	4K Camera Control Unit
HE 2186	2	Sony HDLA-3505	Large Lens Adaptor
HE 2187	2	Sony HDVF-EL20	OLED 0.7-inch color HD viewfinder
HE 2188	2	Sony HDVF-EL760	Full HD 7.4-inch OLED viewfinder
HE 2189	2	Sony ILME-FR7	PTZ Cinema Lens Full Frame Camera - 4K
HE 2190	1	Sony PWA-RCT1	Recording Control Software
HE 2191	1	Sony RMM301	Rack Mount for CCU-300
HE 2192	1	Teradek Ranger MK II 5000 Gold	12G-SDI/HDMI Wireless Transmitter/Receiver Kit - Gold Mount
HE 2193	2	Vinten HDT-2	Heavy Duty Camera Tripod
HE 2194	3	Vinten V4087-0001	2-Stage Aluminum EFP Pozi-Loc Tripod 100mm
Broadcast - Loose Inventory			
HE 2195	1	Phabrix PHSXE-5YEAR	SxE Upgrade from 1 to 5 Year Warranty
HE 2196	1	Phabrix PHSXO-AVD	AV Delay Analysis – Analyser supports EBU and LAWO AV delay sequences
HE 2197	1	Phabrix PHSXO-DAG	Dolby E/D/D+ analysis + generation – Dolby streaming, metering, timing
HE 2198	1	Phabrix PHSXOF	Advanced video formats + 2K – 422/444, YUV/RGB, 10/12 bit, SMPTE 428-9 D-Cinema/SMPTE ST 2048-2:2011
HE 2199	1	Phabrix PHSXOSD	SDI Data display + VANC/ANC Inspector – Detailed SDI data display
HE 2200	16	Bittree ADMW12L	MINI-WECO (MIDSIZE) TO FEMALE BNC ADAPTOR PLUG, LONG
HE 2201	16	Bittree LPMK7505	12G+ MINI-WECO 75 OHM VIDEO LOOPING PLUGS

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2202	4	Bittree PCHV	VIDEO PATCH CABLE HOLDER
HE 2203	24	Bittree VPCMK4802-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - RED
HE 2204	24	Bittree VPCMK4805-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - GREEN
HE 2205	24	Bittree VPCMK4806-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - BLUE
HE 2206	24	Bittree VPCMK4807-75	12G+ MINI-WECO (MIDSIZE) 75 OHM VIDEO PATCH CABLES - PURPLE
HE 2207	2	Camplex CMX-TL-1502	Visual Fault Locator inspection tools find breaks, severe bends, and discontinuties in fiber optic cables
HE 2208	2	Camplex CMX-TL-1601	Complete Fiber Optic Cleaning Kit in a Durable Carrying Case includes Inspection Scope, One-Click Cleaners, Cassette Cleaner,
HE 2209	2	Camplex FIBERCLEAN-1	Fiber optic cleaning kit for LEMO SMPTE 304/311M hybrid connectors.
HE 2210	100	Camplex HF-T1SM-ST-0003	ST Fiber Patch Cables 3'
HE 2211	80	Camplex HF-T1SM-ST-0010	ST Fiber Patch Cables 10'
HE 2212	32	Camplex HF-T1SM-ST-0025	ST Fiber Patch Cables 25'
HE 2213	12	Camplex HF-T1SM-ST-0050	ST Fiber Cable 50'
HE 2214	8	Camplex HF-TS08ST-0010	ST Fiber Patch Cable Snake 8 channel 10'
HE 2215	8	Camplex HF-TS08ST-0025	25' 8-Channel ST Single-Mode Fiber Tactical Snake Cable
HE 2216	12	Canare HDM02P	HDM02P 4K60P/4K HDR High Speed HDMI Cable with Ethernet - 6.56 Foot/2 Meters
HE 2217	12	Canare HDM05P	HDM05P 4K60P/4K HDR High Speed HDMI Cable with Ethernet - 16.4 Foot/5 Meters
HE 2218	8	Clark Wire and Cable X-CD7506FUHD-100-0-NBNC	SDI Cable 100'
HE 2219	24	Clark Wire and Cable X-CD7506FUHD-10-0-NBNC	SDI Cable 10'
HE 2220	24	Clark Wire and Cable X-CD7506FUHD-15-0-NBNC	SDI cable 15'
HE 2221	24	Clark Wire and Cable X-CD7506FUHD-30-0-NBNC	SDI cable 30'

HENDERSON ENGINEERS

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2222	16	Clark Wire and Cable X-CD7506FUHD-50-0-NBNC	SDI Cable 50'
HE 2223	20	Clark Wire and Cable X-HFCTP-15-PS	15' SMPTE Assembly Extra Flexible/Rugged Plug to Socket
HE 2224	4	Comprehensive RING-4	HDMI Adapter Ring
HE 2225	3	Gator Cases G-TOURTRK302212	Truck Pack Trunk; 30X22X22; 12mm; W/ Dividers
HE 2226	8	RIP-TIE H-09-1PK-GN	Velcro Cable Wraps 9" Green
HE 2227	8	RIP-TIE H-09-1PK-Y	Velcro Cable Wraps 9" Yellow
HE 2228	12	RIP-TIE L-06-1PK-BK-WO	[NB] - Hook and Loop Cable Wrap 6" Write-On - 1PK - Black
HE 2229	12	RIP-TIE L-06-1PK-BU-WO	Hook and Loop Cable Wrap 6" Write-On - 1PK - Blue
HE 2230	2	Sticklers MCC-FK08	Optic Cleaning Kit
HE 2231	1	Phabrix PHSXE	SxE Handheld Instrument – SD/HD/3G Hand held complete unit
Video - Loose Inventory			
HE 2232	2	VITEC 18681	MGW Diamond-H - Encoder - HEVC - TS - 2x HD or 1x 4K
Clocks			
HE 2233	1	OES GLR-485	Hockey Rotating Goal Light - RS485
HE 2234	1	OES HW186Q+	ISC EDGE Protective Case
HE 2235	1	OES ISC-EDGE-PR	Scoring Controller - ISC-EDGE w/o radio PRO
HE 2236	1	OES ISCRMT-GT	ISC Remote - Game Time
HE 2237	1	OES ISCRMT-ST	ISC Remote - Shot Time
HE 2238	4	OES M1200IWV	4" Locker Room Clock (White)
HE 2239	2	OES SHOTCLOCKMOUNT-LG	Mount Kit - Backboard Shot Clock - Large
HE 2240	2	OES SHOTCLOCKMOUNT-SMALL	Mount Kit - Side Shot Clock - Small
HE 2241	2	OES SHOTS-ST	Basketball Shot Clock - (Lg+Sm)

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2242	2	OES SL-BB-EOP-A	Strip Light Kit - Backboard End-of-Period
HE 2243	2	OES SL-BB-ESC-A	Strip Light Kit - Backboard Shot Clock

Location

System

ID#	QTY	Manufacturer/Model	Description
Alternates Event Level: 01.13.02 - Home Locker Room (Part of Alternate #5)			
Audio - Processing & Transport			
HE 2244	1	AtlasIED TSD-DAC2I	2-Channel Balance Line Input to Dante® Interface
HE 2245	1	QSC UND6IO-BT	4x2 Channel 2 Gang US, Dante/AES67 Wall Plate w/Bluetooth, RCA, 3.5mm I/O, PoE (white and black faceplates included)
AV - Custom Plates & Panels			
HE 2246	2	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
AV - Control Systems			
HE 2247	1	QSC TSC-70-G3	Q-SYS 7” PoE Touch Screen Controller for In-Wall Mounting. Color - Black only
Loudspeakers - Distributed			
HE 2248	4	Bose Professional AMU108-B	Outdoor Loudspeaker - black
HE 2249	2	Bose Professional DM10S-SUB - Black	Designmax Sub Black
HE 2250	6	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 2251	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2252	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2253	1	Samsung QB98T-B	98" 3840 x 2160, 24/7 Rated
Video - Processing & Transport			
HE 2254	1	Barco Commercial R9861611USB1	ClickShare C-10 Gen2 - US version with 1 Button
HE 2255	1	Extron DTP3 R 201	4K/60 HDMI DTP3 Receiver with Audio De-Embedding
HE 2256	1	Extron DTP3 T 101 D	4K/60 DTP3 Transmitter for HDMI – Decorator-Style Wallplate, Black
HE 2257	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			

Location

System

ID#	QTY	Manufacturer/Model	Description
HE 2258	1	OES M1200IWV	4" Locker Room Clock (White)

Alternates Event Level: 01.12.03 - Coaches Locker (Part of Alternate #5)

Loudspeakers - Presentation

HE 2259	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker

Video - Displays

HE 2260	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2261	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2262	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated

Video - Processing & Transport

HE 2263	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Clocks

HE 2264	1	OES M1200IWV	4" Locker Room Clock (White)

Alternates Event Level: 01.12.04 - Assistant Coach Work Area (Part of Alternate #5)

Loudspeakers - Presentation

HE 2265	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker

Video - Displays

HE 2266	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2267	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2268	1	Samsung QB50C	50" 3840 x 2160, 16/7 Rated

Video - Processing & Transport

HE 2269	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Alternates Event Level: 01.12.05 - Head Coach Office (Part of Alternate #5)			
AV - Custom Plates & Panels			
HE 2270	1	Custom AV Plugbox - Wall	Wall Box AVP Connection Plate (Reference Drawings & Specs)
Loudspeakers - Presentation			
HE 2271	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 2272	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2273	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2274	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 2275	1	Extron DTP3 R 201	4K/60 HDMI DTP3 Receiver with Audio De-Embedding
HE 2276	1	Extron DTP3 T 101 D	4K/60 DTP3 Transmitter for HDMI – Decorator-Style Wallplate, Black
HE 2277	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Alternates Event Level: 01.13.01 - Toilets/Grooming (Part of Alternate #5)			
Loudspeakers - Distributed			
HE 2278	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 2279	2	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Alternates Event Level: 01.13.05 - Equipment (Part of Alternate #5)			
Loudspeakers - Presentation			
HE 2280	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 2281	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2282	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2283	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 2284	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 2285	1	OES M1200IWV	4" Locker Room Clock (White)
Alternates Event Level: 01.14.01 - Street Locker (Part of Alternate #5)			
Loudspeakers - Presentation			
HE 2286	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 2287	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2288	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2289	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 2290	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 2291	2	OES M1200IWV	4" Locker Room Clock (White)

Location

System

ID#	QTY	Manufacturer/Model	Description
Alternates Event Level: 01.14.02 - Stick/Skate Work Room (Part of Alternate #5)			
Loudspeakers - Presentation			
HE 2292	1	Innovox FP-H1P	Display mounted single-channel horizontal loudspeaker
Video - Displays			
HE 2293	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2294	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2295	1	Samsung QB43C	43" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 2296	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Clocks			
HE 2297	1	OES M1200IWV	4" Locker Room Clock (White)
Alternates Event Level: .01.15.01 - Hydrotherapy (Part of Alternate #5)			
Loudspeakers - Presentation			
HE 2298	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 2299	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2300	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2301	1	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 2302	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode

Location

System

ID#	QTY	Manufacturer/Model	Description
Alternates Event Level: 01.15.04 - Treatment Room (Part of Alternate #5)			
Loudspeakers - Presentation			
HE 2303	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 2304	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2305	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2306	1	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 2307	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Alternates Event Level: 01.15.05 - Exercise/Training Room (Part of Alternate #5)			
Loudspeakers - Presentation			
HE 2308	1	Innovox FP-H2P	Display mounted two-channel horizontal loudspeaker
Video - Displays			
HE 2309	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2310	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2311	1	Samsung QB55C	55" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 2312	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Alternates Event Level: 01.15.06A - Home Team Corridor (Part of Alternate #5)			
Loudspeakers - Distributed			
HE 2313	7	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 2314	7	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Alternates Event Level: 01.29.04 - Team Store (Part of Alternate #6)			
Loudspeakers - Distributed			
HE 2315	4	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 2316	4	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 2317	2	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2318	2	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2319	2	Samsung QB75C	75" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 2320	2	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Alternates Concourse Level: 02.26.01 - Womens RR 09 (Part of Alternate #4)			
Loudspeakers - Distributed			
HE 2321	2	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 2322	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 2323	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 2324	4	Custom Loudspeaker Rigging	Material & Labor As Required
Alternates Concourse Level: 02.26.03 - Mens RR 08 (Part of Alternate #4)			
Loudspeakers - Distributed			
HE 2325	1	Bose Professional DM6C - White	In-Ceiling Loudspeaker - White
HE 2326	2	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 2327	2	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 2328	3	Custom Loudspeaker Rigging	Material & Labor As Required

Location

System

ID#	QTY	Manufacturer/Model	Description
Alternates Concourse Level: 02.26.02 - Market 08 (Part of Alternate #4)			
Loudspeakers - Distributed			
HE 2329	3	Bose Professional DM6PE - Black	Pendant Loudspeaker - Black
HE 2330	3	Custom Loudspeaker Plugbox	Loudspeaker Connection Plate (Reference Drawings & Specs)
HE 2331	3	Custom Loudspeaker Rigging	Material & Labor As Required
Video - Displays			
HE 2332	1	Custom Display Plugbox	Display Connection Plate (Reference Drawings & Specs)
HE 2333	1	Custom Display Rigging	Display Mount per DWGs, All Needed Accessories, Materials & Labor As Required
HE 2334	1	Samsung QB65C	65" 3840 x 2160, 16/7 Rated
Video - Processing & Transport			
HE 2335	1	VITEC 18900	EZ TV EP6 - End Point - 4k - multi decode
Alternates Suite Level: Rectangle Video/ Scoreboard (Part of Alternate #14)			
Video - dvLED			
HE 2336	1	Planar Custom Rectangle Board	Rectangle Center Hung Board with processing per Planar Quote #