



CSO Architects

Addendum

ADDENDUM NO: 4

BID PACKAGE NO: 5 - Interior Finishes

PROJECT: Carmel Parcel 7A - Regional Performing Arts Center

PROJECT NO: 25310H

DATE: 08-06-08

BY: Brandon D. Bogan

This Addendum is issued in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. This Addendum includes:

Addendum Pages: ADD 1-7 through ADD 7-7

Attachments: Specifications: 01 21 05, 01 23 050, Exhibit A, 08 71 04

Supplemental Drawings: ADD6 – 001 through ADD6-009

Drawings: A800p, A801, A802, A803, A804, A805, A815

Additional Items: Shiel Sexton Safety Requirements
Milestone Construction Schedule
BP5 - Addendum #4 Question and Answer

PART 1 - BIDDING REQUIREMENTS

1.1 01 12 05 – Prime Contract Scope Summary

A. In section 1.03-A., add item 7.11 and 7.12 as follows:

7.11 Furnish, install, maintain and remove one (1) temporary de-watering pump system to keep the exterior concrete (triplex sump) basin empty of water for a nine (9) month duration. This shall include multiple move-ins and coordination with other contractors to maintain their efficiency. All material, labor, equipment, accessories and appurtenances shall be included for an operational system to drain the water to the holding pond on site. All electrical hook-up, removal and tie-ins shall be included. This contractor shall coordinate and facilitate this work immediately upon notice to proceed.

7.12 Furnish the following material to the project site as directed by the Construction Manager.

Schedule 40 Steel Pipe

28 EA 4" DIA X 4'-0"
48 EA 4" DIA X 8'-0"
28 EA 6" DIA X 4'-0"
48 EA 6" DIA X 8'-0"

1/4" Steel Plates

76 EA 8 1/2" X 8 1/2"

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76 EA 10 1/2" X 10 1/2"

Miscellaneous Steel Angle
2000 LF 3" X 3" X 1/4" Angle

B. Modify item 1.03.A.7.gg to read as follows:

gg. Provide an allowance to furnish, install, maintain and remove one 16'W x 16'H..."

C. Add items hh, ii, jj, and kk, under paragraph 1.03.A.7 as follows:

hh. Provide an allowance of \$10,000 to furnish and install a waterproof and insulated enclosure at the temporary overhead coiling door to be used as approved and directed by the Construction Manager

ii. Provide an allowance to furnish, install and remove from site 1,000 SY of BX1200Tensar Geogrid to be used as approved and directed by the Construction Manager.

jj. Provide an allowance to furnish, install, maintain and remove from site 350CY of #2 stone to be used as approved and directed by the Construction Manager.

kk. Provide an allowance to furnish, install, maintain and remove from site 200CY of #53 stone to be used as approved and directed by the Construction Manager.

1.2 01 21 05 – Allowances – Design Package 5

A. Reissue 01 21 05 complete.

1.3 01 23 05 – Alternates – Design Package 5

A. Reissue 01 23 05 complete.

1.4 01 29 00 – Payment Procedures.

A. Revise item 1.03.C as follows:

...Payment Application Forms: Use AIA Document **G702Cma (only)**...

1.5 EXHIBIT 'A' – PROJECT 3D MODEL/DRAFTING REQUIREMENTS

A. Reissue specification complete.

PART 2 - SPECIFICATIONS

2.1 SECTION 05 70 05 - ACOUSTIC CANOPY SPACE FRAME

A. Under item 2.01.a, add the following as an approved manufacturer.

2. Walltek

2.2 Section 08 71 04 – Door Hardware

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- A. Issue hardware sets complete.

2.3 Section 116136 – Loudspeaker Array Rigging

- A. Revise item 1.1.C.13 to state the following:

- 13. Install motorized cable reels for Sound and Communications system multicables.

- B. Add item 1.1.C.14 as follows:

- 14. Coordinate with Sound and Communication Contractor supplying the speaker array and array frame, power and audio cable reels.

PART 3 - DRAWINGS

3.1 Drawing A4.20 – Oculus Plans, Sections, and Details

- A. Clarify that the oculus alternate and associated work has now been approved and BP5 bidders are to assume this as the base bid configuration.

3.2 Drawing A4.21 – Oculus Plans, Sections, and Details

- A. Clarify that the oculus alternate and associated work has now been approved and BP5 bidders are to assume this as the base bid configuration.

3.3 Drawing A5.01 – Auditorium South North Section

- A. Modify drawing and add section detail referencing detail 26/A4.20 at center of dome in auditorium.

3.4 Drawing A5.11 – Interior Elevations East Lobby

- A. In details 7 and 28/A5.11, modify upper ceilings in lobby to include dome as base bid element. Refer to detail 23/A5.10 for dome elevation.

3.5 Drawing A5.12 – Interior Elevations

- A. In detail 4/A5.12, change the enlarged detail marker to reference detail 20/A9.33 in lieu of 17/A9.33.

3.6 Drawing A5.30 – Interior Elevation Balcony Lobby

- A. Change the elevation in detail 21/A5.30 to include the barrel vault ceiling as depicted in detail 35/A5.30 and 30/A5.30 with associated detail markers.
- B. Note details 35/A5.30 and 30/A5.30 are now the base bid configuration.
- C. Change the elevation in detail 7/A5.30 to include the barrel vault ceiling as depicted in detail 35/A5.30 with associated detail markers.

3.7 Drawing A6.08 – Attic 66'-0" Reflected Ceiling Plan

- A. Note that the circle (oculus) in the center of the main dome is "Open".

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3.8 Drawing A6.64 – Enlarged Hall Reflected Ceiling Plan

- A. Note that the circle (oculus) in the center of the main dome is “Open”.

3.9 Drawing A6.68 – East Lobby Reflected Ceiling Plans

- A. In detail 2/A6.68, replace the center circle with add alternate dome as depicted in the detail at the top right hand corner of the sheet. (East Lobby Dome is now Base Bid).

3.10 Drawing A6.74 – South Lobby Reflected Ceiling Balcony High

- A. Replace the center three bays of detail 1/A6.74 with the ceiling as depicted in 2/A6.74. (Barrel Vault is now Base Bid).

3.11 Drawing A8.00a – Basement Finish Plan - Alternate

- A. Delete sheet in its entirety.

3.12 Drawings A8.00 – A8.19

- A. Change Finish Plan Note #13 to state “**Not used**”
- B. Change ST11a to be $\frac{3}{4}$ ” **polished slab stone**.
- C. Change the WF1 description to read “**1/2” Thk. Tongue and Groove (T&G), 3 1/4” Plank, Solid wood flooring, direct applied (No sleepers)**.”
- D. Change WF4 description to read “**1 1/2” Thick, 3 1/4” Tongue and Groove Flooring set on wood sleepers per specification**”.

3.13 Drawing A8.00p – Plenum Finish Plan

- A. Revise finishes as depicted on reissued sheet.

3.14 Drawing A8.00pa – Plenum Finish Plan - Alternate

- A. Delete sheet in its entirety.

3.15 Drawing A8.01 – Orchestra Low Finish Plan

- A. Revise finishes as depicted on reissued sheet.

3.16 Drawing A8.01a – Orchestra Low Finish Plan - Alternate

- A. Delete sheet in its entirety.

3.17 Drawing A8.02 – Orchestra High Finish Plan

- A. Revise finishes as depicted on reissued sheet.

3.18 Drawing A8.02a – Orchestra High Finish Plan - Alternate

- A. Delete sheet in its entirety.

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- 3.19 Drawing A8.03 – Box Tier Finish Plan
 - A. Revise finishes as depicted on reissued sheet.
- 3.20 Drawing A8.03a – Box Tier Finish Plan - Alternate
 - A. Delete sheet in its entirety.
- 3.21 Drawing A8.04 – Balcony Low Finish Plan
 - A. Revise finishes as depicted on reissued sheet.
- 3.22 Drawing A8.04a – Balcony Low Finish Plan - Alternate
 - A. Delete sheet in its entirety.
- 3.23 Drawing A8.05 – Balcony High Finish Plan
 - A. Revise finishes as depicted on reissued sheet.
- 3.24 Drawing A8.05a – Balcony High Finish Plan - Alternate
 - A. Delete sheet in its entirety.
- 3.25 Drawing A8.06a – Attic Finish Plan - Alternate
 - A. Delete sheet in its entirety.
- 3.26 Drawing A8.07a – Attic Finish Plan - Alternate
 - A. Delete sheet in its entirety.
- 3.27 Drawing A8.10 – Enlarged West Lobby Floor Finish Plan – Orch. Low
 - A. Delete the word “Alternate” from the title of detail 1/A8.10(Right hand side of sheet).
 - B. Delete detail 2/A8.10 in it entirety.
- 3.28 Drawing A8.11 – Enlarged East Lobby Floor Finish Plan – Orch. Low
 - A. Delete the word “Alternate” from the title of detail 1/A8.11(Right hand side of sheet).
 - B. Delete detail 2/A8.11 in it entirety.
- 3.29 Drawing A8.12 – Enlarged South Lobby Floor Finish Plan – Orch. High
 - A. Delete the word “Alternate” from the title of detail 1/A8.12(Right hand side of sheet).
 - B. Delete detail 2/A8.12 in it entirety.
- 3.30 Drawing A8.13 – Enlarged South Lobby Floor Finish Plan – Box Tier
 - A. Delete the word “Alternate” from the title of detail 1/A8.13(Right hand side of sheet).

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B. Delete detail 2/A8.13 in it entirety.

3.31 Drawing A8.14 – Enlarged West Lobby Floor Finish Plan – Box Tier

A. Delete detail 2/A8.14 in it entirety.

3.32 Drawing A8.15 – Enlarged Stair Lobby Floor Finish Plan

A. Reissue sheet complete.

3.33 Drawings AS-710

A. Delete the word “Alternate” from sheet title.

PART 4 - OTHER INFORMATION

4.1 Shiel Sexton Safety Requirements

A. Issue complete.

4.2 Milestone Construction Schedule

A. Issue complete.

4.3 Bid Package #5 – Addendum #4 Question and Answers

A. Issue complete.

4.4 Bid Package #5 – Addendum #3 Question and Answers

A. Revise the response to question 5 as follows:

Question: Is there a maximum individual line load requirement for the Canopy lift lines?

Answer: As per 116100 General Conditions for Theater Equipment: Wire rope safety factor shall be 10:1, unless stated otherwise in individual specification sections. Final line load requirements must be calculated during TEC’s engineering/shop drawings process.

B. Revise the response to question 8 as follows:

Question: Please provide a specification for the wall covering frieze to indicate the paper weight, acceptable manufacturers and etc.

Answer:

1.01

CUSTOM FRIEZE

A. Basis-of-Design Product: Custom frieze wall fabric is based on Gamma Imaging Company. Subject to compliance with requirements, another manufacturer's product of a similar and equivalent nature will be acceptable when, in the Architect's sole judgment, differences do not materially detract from the design concept or intended performance.

1. Total Weight Excluding Coatings: 13 oz./yd.

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2. **Width: 54 inches.**
3. **Backing Fiber Content: Polyester.**
4. **Coating: Resistant to ultra-violet light.**

B. Vinyl Wall-Covering Standards: Provide mildew-resistant products complying with the following:

1. **FS CCC-W-408 and CFFA-W-101 for Type II, Medium-Duty products.**
2. **ASTM F 793 for strippable wall coverings that qualify as Category II, Decorative with Medium Serviceability products.**

C. Colors and Image: Match Architect's sample.

1. **Image shall consist of a multi-color mural that will be provided in electronic form by the Architect. The graphic illustration shall be generated using an appropriate printing technology on media suitable for the installation condition.**

C. Revise the answer to Question 51

Question: Spec Section 11 61 23 (orchestra risers) makes reference in parts 1.1, A,5 and 2.2,A, 1 that the wood flooring planks for the orchestra risers are to be provided by the wood flooring contractor for installation by the orchestra risers contractor. In reviewing the scopes, I see no reference to the orchestra wood planks in the wood flooring contractor's scope.

Answer: **The response to this question is superceded by the response in the Addendum #4 Question and Answers.**

END ADDENDUM

PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
 INTERIOR FINISHES, THEATRE EQUIPMENT & SEATING PACKAGE P5

SECTION 01 21 05 - ALLOWANCES – DESIGN PACKAGE 5

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Cost included in General Allowances: Complete cost of allowance as approved and directed by Construction Manager and/or Architect.

1. Allowances stated in the Contract Documents shall be included in the Contract Sum.

1.03 ALLOWANCES – GENERAL

- A. Use the allowance only as directed by Construction Manager and/or Architect for Owner's purposes and only by Approved Allowance Authorization forms that indicate the proposed amount to be charged to the allowance.
- B. Complete and detailed backup documentation shall be provided by the Prime Contractor to justify approved allowance usage. This documentation will be required to release the Prime Contractor to bill against the allowance.
- C. Unused amounts remaining in the allowances shall be returned to the Owner by Change Order.

1.04 SCHEDULE OF ALLOWANCES

- | | | |
|----|--|-----------|
| A. | Allowance No. 1 – Bid Package 5010 General Allowance: | \$75,000 |
| | 1. Bid Package 5010 – General Trades contractor shall include in Base Bid the above amount for items not indicated in the Contract Documents to be used as directed by the Construction Manager and/or Architect. | |
| B. | Allowance No. 2 – Bid Package 5030 General Allowance: | \$100,000 |
| | 1. Bid Package 5030 – Ornamental Steel and Railings contractor shall include in Base Bid the above amount for items not indicated in the Contract Documents to be used as directed by the Construction Manager and/or Architect. | |
| C. | Allowance No. 3 – Bid Package 5060 General Allowance: | \$50,000 |
| | 1. Bid Package 5060 – Finish Carpentry contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect. | |
| D. | Allowance No. 4 – Bid Package 5070 General Allowance: | \$25,000 |
| | 1. Bid Package 5070 – Custom Casework contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect. | |
| E. | Allowance No. 5 – Bid Package 5080 General Allowance: | \$15,000 |

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INTERIOR FINISHES, THEATRE EQUIPMENT & SEATING PACKAGE P5

1. Bid Package 5080 – General Casework contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect.
- F. Allowance No. 6 – Bid Package 5110 General Allowance: \$50,000
1. Bid Package 5110 – Tile and Stone contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect.
- G. Allowance No. 7 – Bid Package 5120 General Allowance: \$15,000
1. Bid Package 5120 – Wood Flooring contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect.
- H. Allowance No. 8 – Bid Package 5130 General Allowance: \$15,000
1. Bid Package 5130 – Carpet and Resilient Flooring contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect.
- I. Allowance No. 9 – Bid Package 5160 General Allowance: \$100,000
1. Bid Package 5160 – Paint and Wallcoverings contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect.
- J. Allowance No. 10 – Bid Package 5170 General Allowance: \$200,000
1. Bid Package 5170 – Theatre Equipment Package 1 (Trusses, Rigging, Curtains and Controls) contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect.
- K. Allowance No. 11 – Bid Package 5180 General Allowance: \$200,000
1. Bid Package 5180 – Theatre Equipment Package 2 (Lifts, Railings, Wagons, Storage Carts) contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect.
- L. Allowance No. 12 – Bid Package 5190 General Allowance: \$5,000
1. Bid Package 5190 – Orchestra Risers contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect.
- M. Allowance No. 13 – Bid Package 5200 General Allowance: \$35,000
1. Bid Package 5200 – Fixed Audience Seating contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect.
- N. Allowance No. 14 – Bid Package 5550 General Allowance: \$250,000

PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR FINISHES, THEATRE EQUIPMENT & SEATING PACKAGE P5

1. Bid Package 5550 – Acoustical Canopy contractor shall include in Base Bid the above amount to be used for items not indicated in the Contract Documents as directed by the Construction Manager and/or Architect.
- O. Allowance No. 15 – CAD As-builts \$5,000.00
1. Bid Packages 5010, 5060, 5070, 5080, 5110, 5120, 5130, 5160, 5190, & 5200 shall include in Base Bid the above amount to be used for the conversion of manual “red line” as-built/record drawings into the CAD format as directed by the Construction Manager and/or Architect.
- P. Allowance No. 16 – CAD As-builts \$10,000.00
1. Bid Packages 5030, 5170, 5180 & 5550 shall include in Base Bid the above amount to be used for the conversion of manual “red line” as-built/record drawings into the CAD format as directed by the Construction Manager and/or Architect.

END OF SECTION

SECTION 01 23 05 - ALTERNATES – DESIGN PACKAGE 5

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.02 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 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. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.03 PROCEDURES

- A. Coordination: Modify 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 modifications 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. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.01 SCHEDULE OF ALTERNATES

- A. Alternate No. 01 – Custom and General Casework: State the amount to be added to the Custom Casework Bid Package #5070 to include all scope work and related requirements of the General Casework Bid Package #5080.
 - 1. The Prime Contractor is required to submit a complete bid form for Bid Packages #5070 and #5080 for this alternate to be considered. Pricing for this alternate shall only be listed on the bid form for Bid Package #5070.
- B. Alternate No. 02 – Carpet/Resilient Flooring and Wood Flooring: State the amount to be

added to the Carpet and Resilient Flooring Bid Package #5130 to include all scope work and related requirements of the Wood Flooring Bid Package#5120.

1. The Prime Contractor is required to submit a complete bid form for Bid Packages #5120 and #5130 for this alternate to be considered. Pricing for this alternate shall only be listed on the bid form for Bid Package #5130.
- C. Alternate No. 03 – Theatre Equipment Package 1 & 2: State the amount to be added to the Theatre Equipment Package 1 (Trusses, Rigging, Curtains and Controls) Bid Package #5170 to include all scope work and related requirements of the Theatre Equipment Package 2 (Lifts, Railings, Wagons, Storage Carts) Bid Package#5180.
1. The Prime Contractor is required to submit a complete bid form for Bid Packages #5170 and #5180 for this alternate to be considered. Pricing for this alternate shall only be listed on the bid form for Bid Package #5170.
- D. Alternate No. 04 – Theatre Equipment Package 1, 2 & Orchestra Risers: State the amount to be added to the Theatre Equipment Package 1 (Trusses, Rigging, Curtains and Controls) Bid Package #5170 to include all scope work and related requirements of the Theatre Equipment Package 2 (Lifts, Railings, Wagons, Storage Carts) Bid Package #5180 & Orchestra Risers Bid Package #5190.
1. The Prime Contractor is required to submit a complete bid form for Bid Packages #5170, #5180 and #5190 for this alternate to be considered. Pricing for this alternate shall only be listed on the bid form for Bid Package #5170.
- E. Alternate No. 05 – Owner Provided Parking: State the amount to be added or deducted from Base Bid if Owner provides construction employee parking within ½ mile radius of the Project.
- F. Alternate No. 06 – Owner-Provided Warehouse Storage: State amount to be added or deducted from Base Bid if Owner provides up to 10,000 s.f. of construction material warehouse storage for each Prime Contractor within ½ mile radius of the Project.
- G. Alternate No. 07 – Acoustic Plaster Ceilings: State the amount to be added to deducted from Base Bid to include acoustic plaster ceiling system in upper coffer area in the rooms as noted below.
1. Alternate is for rooms 142 East Lobby, 166 West Lobby, 200 South Lobby, 320 Donor Amenity, 321 Donor Amenity, 322 Donor Amenity, 323 West Lobby, 364 East Lobby.
 2. Acoustic plaster in oculus shaft is to be included in Base Bid.
- H. Alternate No. 08 – Donor Amenity Upgrades: State the amount to be added or deducted from Base Bid to include Painted wood wainscot and WF3b wood flooring in lieu of CP1a carpet in Donor Amenity 320, 321, and 322 as depicted in drawings.
1. Base Bid is to includes CP1a carpet for floors and no wood wainscot in rooms 320, 321, and 322.
- I. Alternate No. 08b – Highest Level Donor Amenity Upgrades: State the amount to be added or deducted from Base Bid to include WF3b wood flooring in lieu of CP1a carpet, stained hardwood wood wainscot, and change all wood trim in rooms to stained hardwood in lieu of painted in Donor Amenity 320, 321, and 322 as depicted in drawings.

1. Base Bid is to include CP1a carpet for floors and no wood wainscot in rooms 320, 321, and 322.
- J. Alternate No. 09 – Box Tier Restroom Upgrades: State the amount to be added or deducted from Base Bid to utilize ST13 floor tile, ST13 Stone base, CT4 wall tiles, and stainless steel toilet partitions in lieu of base bid material in rooms 335, 336, 337, 338, 353, 354, 355, and 356 as depicted on drawings.
- K. Alternate No. 10 – Multipurpose Room Upgrades: State the amount to be added or deducted from Base Bid to include CP1a carpet and AW2 wood base in lieu of vinyl composition tile and vinyl base in Multipurpose Room 366.
- L. Alternate No. 11 – Theatre Equipment Package 1, 2, Orchestra Risers and Seating: State the amount to be added to the Theatre Equipment Package 1 (Trusses, Rigging, Curtains and Controls) Bid Package #5170 to include all scope work and related requirements of the Theatre Equipment Package 2 (Lifts, Railings, Wagons, Storage Carts) Bid Package #5180, Orchestra Risers Bid Package #5190 & 5200 Fixed Audience Seating.
 1. The Prime Contractor is required to submit a complete bid form for Bid Packages #5170, #5180, #5190 and #5200 for this alternate to be considered. Pricing for this alternate shall only be listed on the bid form for Bid Package #5170.
- M. Alternate No. 12 – Alternate elevation for vestibule 168: State the amount to be added or deducted from base bid to provide the alternate elevation for the south wall of vestibule 168.
- N. Alternate No. 13 – Stone Tile in elevators: State the amount to be added or deducted to utilize ST11 (patterning and colors as depicted in drawings) floor tile in CP1a in cabs for elevators 1 and 2.

END OF SECTION

SECTION 08 71 04 - DOOR HARDWARE (SCHEDULED)

1.01 DOOR HARDWARE SCHEDULE

- A. Provide finish hardware for each door to comply with hardware set numbers indicated in Door Schedule and the schedule of hardware sets:

Hardware Group No. 001

For use on door(s):

111B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7227	612	IVE
2	EA PIVOT	7227 INT	612	IVE
1	EA POWER TRANSFER	EPT-10	695	VON
1	EA PANIC HARDWARE	EL-RX35A-NL-OP 3'	612	VON
1	EA RIM CYLINDER	20-079	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA DOOR PULL	OPRYLAND	612	TRI
1	EA CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN
1	EA OVERHEAD STOP	904S	612	GLY
1	SET SEAL	FURNISHED UNDER SECTION 08400		B/O
1	EA DOOR SWEEP	B606B 36"	720	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 36"	10B	NGP
1	EA POWER SUPPLY	PS873-2	GRY	VON
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA DOOR POSITION SWITCH	679-05 HM		SCE
1	EA READER INTERFACE	SRINX-1		SCE
1	EA SMART CARD READER	SXF2100	BLK	SCE

OPERATIONAL DESCRIPTION:

- 1.) THE CARD READER SHALL CONTROL THE LOCKING AND UNLOCKING OF THE ELECTRIC LATCH RETRACTION EXIT DEVICES.
- 2.) WHEN EITHER A VALID CARD IS SWIPED THROUGH THE CARD READER OR THE UNIT GOES INTO A PRE-PROGRAMMED UNLOCK MODE, POWER WILL BE APPLIED TO THE EXIT DEVICES, CAUSING THE LATCHBOLTS TO RETRACT.
- 3.) THE LATCHBOLTS WILL REMAIN IN A RETRACTED STATE FOR THE DURATION OF THE STRIKE TIME OR UNLOCK MODE. AFTERWARDS, THE POWER WILL BE REMOVED, CAUSING THE LATCHBOLTS TO EXTEND AND RESECURE THE OPENING.
- 4.) THE DOOR POSITION SWITCHES SHALL MONITOR THE OPENING.
- 5.) IF THE DOOR IS UNLOCKED VIA THE CARD READER OR THE TOUCHBAR IS DEPRESSED, THE DOOR POSITION SWITCHES SHALL BE SHUNTED.

Hardware Group No. 002

For use on door(s):

1140D

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
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PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
 INTERIOR ROUGH CONSTRUCTION PACKAGE P4

1	EA	PIVOT SET	7227	612	IVE
2	EA	PIVOT	7227 INT	612	IVE
1	EA	POWER TRANSFER	EPT-10	695	VON
1	EA	PANIC HARDWARE	EL-RX-LX35A-NL-OP 3'	612	VON
1	EA	RIM CYLINDER	20-079	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	DOOR PULL	OPRYLAND	612	TRI
1	EA	AUTO-EQUALIZER	2614 ST-2511	612	LCN
1	EA	OVERHEAD STOP	904S	612	GLY
1	SET	SEAL	FURNISHED UNDER SECTION 08400		B/O
1	EA	DOOR SWEEP	B606B 36"	720	NGP
1	EA	THRESHOLD	427BR RCE (ALL 4 CORNERS) 36"	10B	NGP
1	EA	CONTROL BOX	7902SES	GRY	LCN
1	EA	PS873 OPTION BOARD	873-4TD		VON
1	EA	POWER SUPPLY	PS873	GRY	VON
1	SET	WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA	DOOR POSITION SWITCH	679-05 HM		SCE
1	EA	ACTUATOR, JAMB MOUNT	8310-818		LCN
1	EA	ACTUATOR, WALL MOUNT	8310-856		LCN
1	EA	COMPUTER CONTROLLER	CONTROLLED ACCESS		SCE

OPERATIONAL DESCRIPTION:

NOTES:

- 1.) THE COMPUTER CONTROLLER SHALL CONTROL THE LOCKING AND UNLOCKING OF THE ELECTRIC LATCH RETRACTION EXIT DEVICES.
- 2.) THE DOOR POSITION SWITCHES SHALL MONITOR THE OPENING AND SHALL BE CONNECTED TO THE SECURITY SYSTEM.
- 3.) THE 'RX' SWITCHES INSIDE THE EXIT DEVICES SHALL BE WIRED TO THE 'RX' TERMINALS AN IO BOARD IN THE SECURITY SYSTEM.
- 4.) THE 'LX' SWITCH INSIDE THE EXIT DEVICE MOUNTED ON THE SAME DOOR LEAF AS THE AUTO-EQUALIZER SHALL BE WIRED IN SERIES WITH THE EXTERIOR WALL ACTUATOR.

UNLOCK MODE:

- 1.) WHEN THE SECURITY SYSTEM IS PROGRAMMED TO UNLOCK THESE OPENINGS, THE FOLLOWING ACTIONS WILL OCCUR:
 - A.) THE ELECTRIC LATCH RETRACTION EXIT DEVICES ON OPENINGS 140D, 140E, & 140F WILL UNLOCK.
 - B.) THE 'LX' SWITCH INSIDE THE EXIT DEVICE MOUNTED ON OPENING 140D WILL CLOSE AND ENABLE THE EXTERIOR WALL ACTUATOR.

LOCK MODE:

- 1.) WHEN THE SECURITY SYSTEM RELOCKS THE DOORS, THE LATCHBOLTS ON THE EXIT DEVICES WILL EXTEND AND RESECURE THE OPENINGS AND THE EXTERIOR WALL ACTUATOR WILL BE DISABLED.
- 2.) THE INTERIOR WALL ACTUATOR WILL ALWAYS BE ENABLED, ALLOWING INDIVIDUALS TO MOMENTARILY UNLOCK OPENING 140D, ACTIVATE THE AUTOMATIC OPERATOR, AND EGRESS THROUGH THE OPENING.

DOOR MONITORING:

- 1.) WHEN A TOUCHBAR ON ONE OF THE EXIT DEVICES IS DEPRESSED, THE 'RX' SWITCH INSIDE

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THE EXIT DEVICE WILL CLOSE, SHUNTING ANY ALARMS ASSOCIATED WITH THE OPENING.

Hardware Group No. 003

For use on door(s):

1140E

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	EA PIVOT SET	7227	612	IVE
4	EA PIVOT	7227 INT	612	IVE
2	EA POWER TRANSFER	EPT-10	695	VON
2	EA PANIC HARDWARE	EL-RX3547A-EO 3'	612	VON
2	EA DOOR PULL	OPRYLAND	612	TRI
2	EA CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN
2	EA OVERHEAD STOP	904S	612	GLY
1	SET MEETING STILE SEAL	FURNISHED UNDER SECTION 08400		B/O
1	SET SEAL	FURNISHED UNDER SECTION 08400		B/O
2	EA DOOR SWEEP	B606B 36"	720	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 72"	10B	NGP
1	EA POWER SUPPLY	FURNISHED UNDER HARDWARE SET # 02.	GRY	VON
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
2	EA DOOR POSITION SWITCH	679-05 HM		SCE

SEE OPERATIONAL DESCRIPTION IN HARDWARE SET # 02.

Hardware Group No. 004

For use on door(s):

1140F

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7227	612	IVE
2	EA PIVOT	7227 INT	612	IVE
1	EA POWER TRANSFER	EPT-10	695	VON
1	EA PANIC HARDWARE	EL-RX35A-EO 3'	612	VON
1	EA DOOR PULL	OPRYLAND	612	TRI
1	EA CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN
1	EA OVERHEAD STOP	904S	612	GLY
1	SET SEAL	FURNISHED UNDER SECTION 08400		B/O
1	EA DOOR SWEEP	B606B 36"	720	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 36"	10B	NGP
1	EA POWER SUPPLY	FURNISHED UNDER HARDWARE SET # 02.	GRY	VON
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA DOOR POSITION SWITCH	679-05 HM		SCE

SEE OPERATIONAL DESCRIPTION IN HARDWARE SET # 02.

Hardware Group No. 005

For use on door(s):

1167B

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Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA CONTINUOUS HINGE	224HD 83" EPT	313	IVE
1	EA POWER TRANSFER	EPT-10	695	VON
1	EA PANIC HARDWARE	CD-RX98NL 264 3'	612	VON
1	EA RIM CYLINDER	20-079	612	SCH
2	EA PRIMUS CORE ONLY	20-740	606	SCH
2	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA MORTISE CYLINDER	26-094 XQ11-948	612	SCH
1	EA SURFACE CLOSER	4111 SCUSH MC ST-1586	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SEALS	700SB 1/36" 2/84"	720	NGP
1	EA DRIP CAP	17BR 40"	BR	NGP
1	EA DOOR SWEEP	B606B 36"	720	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 36"	10B	NGP
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA DOOR POSITION SWITCH	679-05 HM		SCE

- 1.) DOOR POSITION SWITCH SHALL BE WIRED TO THE ACCESS CONTROL/SECURITY SYSTEM.
- 2.) THE 'RX' SWITCH SHALL SHUNT ANY ALARMS WHEN INDIVIDUALS EGRESS THROUGH THE OPENING.

Hardware Group No. 006

For use on door(s):

1168D

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7227	612	IVE
2	EA PIVOT	7227 INT	612	IVE
1	EA POWER TRANSFER	EPT-10	695	VON
1	EA PANIC HARDWARE	EL-RX35A-EO 3'	612	VON
1	EA DOOR PULL	OPRYLAND	612	TRI
1	EA CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN
1	EA OVERHEAD STOP	904S	612	GLY
1	SET SEAL	FURNISHED UNDER SECTION 08400		B/O
1	EA DOOR SWEEP	B606B 36"	720	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 36"	10B	NGP
1	EA POWER SUPPLY	FURNISHED UNDER HARDWARE SET # 08.	GRY	VON
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA DOOR POSITION SWITCH	679-05 HM		SCE
1	EA SMART CARD READER	FURNISHED UNDER HARDWARE SET # 08.	BLK	SCE

SEE OPERATIONAL DESCRIPTION IN HARDWARE SET # 08.

Hardware Group No. 007

For use on door(s):

1168E

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	EA PIVOT SET	7227	612	IVE

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4	EA	PIVOT	7227 INT	612	IVE
2	EA	POWER TRANSFER	EPT-10	695	VON
2	EA	PANIC HARDWARE	EL-RX3547A-EO 3'	612	VON
2	EA	DOOR PULL	OPRYLAND	612	TRI
2	EA	CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN
2	EA	OVERHEAD STOP	904S	612	GLY
1	SET	MEETING STILE SEAL	FURNISHED UNDER SECTION 08400		B/O
1	SET	SEAL	FURNISHED UNDER SECTION 08400		B/O
2	EA	DOOR SWEEP	B606B 36"	720	NGP
1	EA	THRESHOLD	427BR RCE (ALL 4 CORNERS) 72"	10B	NGP
1	EA	POWER SUPPLY	FURNISHED UNDER HARDWARE SET # 08.	GRY	VON
1	SET	WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
2	EA	DOOR POSITION SWITCH	679-05 HM		SCE

SEE OPERATIONAL DESCRIPTION IN HARDWARE SET # 08.

Hardware Group No. 008

For use on door(s):

1168F

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7227	612	IVE
2	EA PIVOT	7227 INT	612	IVE
1	EA POWER TRANSFER	EPT-10	695	VON
1	EA PANIC HARDWARE	EL-RX-LX35A-NL-OP 3'	612	VON
1	EA RIM CYLINDER	20-079	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA DOOR PULL	OPRYLAND	612	TRI
1	EA AUTO-EQUALIZER	2614 ST-2511	612	LCN
1	EA OVERHEAD STOP	904S	612	GLY
1	SET SEAL	FURNISHED UNDER SECTION 08400		B/O
1	EA DOOR SWEEP	B606B 36"	720	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 36"	10B	NGP
2	EA WALL PLATE SWITCH	7910-956	630	LCN
1	EA CONTROL BOX	7902SES	GRY	LCN
1	EA PS873 OPTION BOARD	873-4TD		VON
1	EA POWER SUPPLY	PS873	GRY	VON
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA DOOR POSITION SWITCH	679-05 HM		SCE
2	EA DIODE	IN-4004		B/O
1	EA READER INTERFACE	SRINX-1		SCE
1	EA SMART CARD READER	SXF2100	BLK	SCE

OPERATIONAL DESCRIPTION:

NOTES:

- 1.) THE CARD READER SHALL CONTROL THE LOCKING AND UNLOCKING OF THE ELECTRIC LATCH RETRACTION EXIT DEVICES.
- 2.) THE DOOR POSITION SWITCHES SHALL MONITOR THE OPENING AND SHALL BE CONNECTED TO THE SECURITY SYSTEM.
- 3.) THE 'RX' SWITCHES INSIDE THE EXIT DEVICES SHALL BE WIRED TO THE 'RX' TERMINALS ON THE IO BOARD IN THE SECURITY SYSTEM.

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- 4.) THE EXIT DEVICE WITH THE 'LX' SWITCH SHALL MOUNTED ON THE SAME DOOR LEAF AS THE AUTO-EQUALIZER.
5.) THE 'LX' SWITCH SHALL BE WIRED IN SERIES WITH THE EXTERIOR WALL ACTUATOR.

UNLOCK MODE:

- 1.) WHEN THE CARD READER IS PROGRAMMED TO UNLOCK THESE OPENINGS, THE FOLLOWING ACTIONS WILL OCCUR:
A.) THE ELECTRIC LATCH RETRACTION EXIT DEVICES ON OPENINGS 168D, 168E, & 168F WILL UNLOCK.
B.) THE 'LX' SWITCH INSIDE THE EXIT DEVICE MOUNTED ON OPENING 140D WILL CLOSE AND ENABLE THE EXTERIOR WALL ACTUATOR.

LOCK MODE:

- 1.) WHEN THE CARD READER RELOCKS THE DOORS, THE LATCHBOLTS ON THE EXIT DEVICES WILL EXTEND AND RESECURE THE OPENINGS AND THE EXTERIOR WALL ACTUATOR WILL BE DISABLED.
2.) THE INTERIOR WALL ACTUATOR WILL ALWAYS BE ENABLED, ALLOWING INDIVIDUALS TO MOMENTARILY UNLOCK OPENING 168F, ACTIVATE THE AUTOMATIC OPERATOR, AND EGRESS THROUGH THE OPENING.

DOOR MONITORING:

- 1.) WHEN A TOUCHBAR ON ONE OF THE EXIT DEVICES IS DEPRESSED, THE 'RX' SWITCH INSIDE THE EXIT DEVICE WILL CLOSE, SHUNTING ANY ALARMS ASSOCIATED WITH THE OPENING.

Hardware Group No. 009

For use on door(s):

1181B

Provide each PR door(s) with the following:

Quantity	EA	Description	Model Number	Finish	Mfr
2	EA	PIVOT SET	7227	612	IVE
4	EA	PIVOT	7227 INT	612	IVE
2	EA	POWER TRANSFER	EPT-10	695	VON
1	EA	PANIC HARDWARE	EL-RX-LX3547A-NL-OP 3'	612	VON
1	EA	PANIC HARDWARE	EL-RX3547A-EO 3'	612	VON
1	EA	RIM CYLINDER	20-079	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
2	EA	DOOR PULL	OPRYLAND	612	TRI
1	EA	CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN
1	EA	AUTO-EQUALIZER	2614 ST-2511	612	LCN
2	EA	OVERHEAD STOP	904S	612	GLY
1	SET	MEETING STILE SEAL	FURNISHED UNDER SECTION 08400		B/O
1	SET	SEAL	FURNISHED UNDER SECTION 08400		B/O
2	EA	DOOR SWEEP	B606B 36"	720	NGP
1	EA	THRESHOLD	427BR RCE (ALL 4 CORNERS) 72"	10B	NGP
2	EA	WALL PLATE SWITCH	7910-956	630	LCN
1	EA	CONTROL BOX	7901ES	GRY	LCN
1	EA	POWER SUPPLY	FURNISHED UNDER HARDWARE SET # 08.	GRY	VON
1	EA	POWER SUPPLY	PS873-2	GRY	VON
1	SET	WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
2	EA	DOOR POSITION SWITCH	679-05 HM		SCE
1	EA	READER INTERFACE	SRINX-1		SCE

1 EA SMART CARD READER SXF2100

BLK SCE

OPERATIONAL DESCRIPTION:

NOTES:

- 1.) THE CARD READER SHALL CONTROL THE LOCKING AND UNLOCKING OF THE ELECTRIC LATCH RETRACTION EXIT DEVICES.
- 2.) THE DOOR POSITION SWITCHES SHALL MONITOR THE OPENING AND SHALL BE CONNECTED TO THE SECURITY SYSTEM.
- 3.) THE 'RX' SWITCHES INSIDE THE EXIT DEVICES SHALL BE WIRED TO THE 'RX' TERMINALS ON THE IO BOARD IN THE SECURITY SYSTEM.
- 4.) THE EXIT DEVICE WITH THE 'LX' SWITCH SHALL MOUNTED ON THE SAME DOOR LEAF AS THE AUTO-EQUALIZER.
- 5.) THE 'LX' SWITCH SHALL BE WIRED IN SERIES WITH THE EXTERIOR WALL ACTUATOR.

UNLOCK MODE:

- 1.) WHEN THE CARD READER IS PROGRAMMED TO UNLOCK THESE OPENINGS, THE FOLLOWING ACTIONS WILL OCCUR:
 - A.) THE ELECTRIC LATCH RETRACTION EXIT DEVICES SHALL UNLOCK.
 - B.) THE 'LX' SWITCH INSIDE THE EXIT DEVICE SHALL CLOSE AND ENABLE THE EXTERIOR WALL ACTUATOR.

LOCK MODE:

- 1.) WHEN THE CARD READER RELOCKS THE DOORS, THE LATCHBOLTS ON THE EXIT DEVICES WILL EXTEND AND RESECURE THE OPENING AND THE EXTERIOR WALL ACTUATOR WILL BE DISABLED.
- 2.) THE INTERIOR WALL ACTUATOR WILL ALWAYS BE ENABLED, ALLOWING INDIVIDUALS TO MOMENTARILY RETRACT THE LATCHBOLTS, ACTIVATE THE AUTOMATIC OPERATOR, AND EGRESS THROUGH THE OPENING.

DOOR MONITORING:

- 1.) WHEN A TOUCHBAR ON ONE OF THE EXIT DEVICES IS DEPRESSED, THE 'RX' SWITCH INSIDE THE EXIT DEVICE WILL CLOSE, SHUNTING ANY ALARMS ASSOCIATED WITH THE OPENING.

Hardware Group No. 010

For use on door(s):

ST3

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA CONTINUOUS HINGE	224HD 83" EPT	313	IVE
1	EA POWER TRANSFER	EPT-10	695	VON
1	EA PANIC HARDWARE	LD-RX98EO 264 3'	612	VON
1	EA SURFACE CLOSER	4111 SCUSH MC ST-1586	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SEALS	700SB 1/36" 2/84"	720	NGP
1	EA DRIP CAP	17BR 40"	BR	NGP
1	EA DOOR SWEEP	B606B 36"	720	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 36"	10B	NGP
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA DOOR POSITION SWITCH	679-05 HM		SCE

- 1.) DOOR POSITION SWITCHES SHALL BE WIRED TO THE ACCESS CONTROL/SECURITY SYSTEM.

2.) THE 'RX' SWITCH SHALL SHUNT ANY ALARMS WHEN INDIVIDUALS EGRESS THROUGH THE OPENING.

Hardware Group No. 011

For use on door(s):

2200A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7227	612	IVE
2	EA PIVOT	7227 INT	612	IVE
1	EA POWER TRANSFER	EPT-10	695	VON
1	EA PANIC HARDWARE	EL-RX35A-NL-OP 3'	612	VON
1	EA RIM CYLINDER	20-079	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA DOOR PULL	OPRYLAND	612	TRI
1	EA CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN
1	EA OVERHEAD STOP	904S	612	GLY
1	SET SEAL	FURNISHED UNDER SECTION 08400		B/O
1	EA DOOR SWEEP	B606B 36"	720	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 36"	10B	NGP
1	EA POWER SUPPLY	PS873-2	GRY	VON
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA DOOR POSITION SWITCH	679-05 HM		SCE
1	EA COMPUTER CONTROLLER	CONTROLLED ACCESS		SCE

OPERATIONAL DESCRIPTION:

NOTES:

- 1.) THE COMPUTER CONTROLLER SHALL CONTROL THE LOCKING AND UNLOCKING OF THE ELECTRIC LATCH RETRACTION EXIT DEVICES.
- 2.) THE DOOR POSITION SWITCHES SHALL MONITOR THE OPENING AND SHALL BE CONNECTED TO THE SECURITY SYSTEM.
- 3.) THE 'RX' SWITCHES INSIDE THE EXIT DEVICES SHALL BE WIRED TO THE 'RX' TERMINALS ON AN IO BOARD IN THE SECURITY SYSTEM.

UNLOCK MODE:

- 1.) WHEN THE SECURITY SYSTEM IS PROGRAMMED TO UNLOCK THESE OPENINGS, THE FOLLOWING ACTIONS WILL OCCUR:
 - A.) THE ELECTRIC LATCH RETRACTION EXIT DEVICES ON OPENINGS 200A & 200B WILL UNLOCK.

LOCK MODE:

- 1.) WHEN THE SECURITY SYSTEM RELOCKS THE DOORS, THE LATCHBOLTS ON THE EXIT DEVICES WILL EXTEND AND RESECURE THE OPENINGS.

DOOR MONITORING:

- 1.) WHEN A TOUCHBAR ON ONE OF THE EXIT DEVICES IS DEPRESSED, THE 'RX' SWITCH INSIDE THE EXIT DEVICE WILL CLOSE, SHUNTING ANY ALARMS ASSOCIATED WITH THE OPENING.

Hardware Group No. 012

For use on door(s):

2200B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7227	612	IVE
2	EA PIVOT	7227 INT	612	IVE
1	EA POWER TRANSFER	EPT-10	695	VON
1	EA PANIC HARDWARE	EL-RX35A-NL-OP 3'	612	VON
1	EA RIM CYLINDER	20-079	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA DOOR PULL	OPRYLAND	612	TRI
1	EA CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN
1	EA OVERHEAD STOP	904S	612	GLY
1	SET SEAL	FURNISHED UNDER SECTION 08400		B/O
1	EA DOOR SWEEP	B606B 36"	720	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 36"	10B	NGP
1	EA POWER SUPPLY	FURNISHED UNDER HARDWARE SET # 11.	GRY	VON
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA DOOR POSITION SWITCH	679-05 HM		SCE

SEE OPERATIONAL DESCRIPTION IN HARDWARE SET # 11.

Hardware Group No. 013

For use on door(s):

2200E

2200F

2200G

Provide each REV door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	EA MORTISE CYLINDER	20-060	612	SCH
2	EA PRIMUS CORE ONLY	20-740	606	SCH
2	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1		BALANCE OF HARDWARE BY DOOR MANUFACTURER		

Hardware Group No. 014

For use on door(s):

ST4

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7227	612	IVE
1	EA PIVOT	7227 INT	612	IVE
1	EA POWER TRANSFER	EPT-10	695	VON
1	EA PANIC HARDWARE	LD-RX35A-EO 4'	612	VON
1	EA CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN
1	EA OVERHEAD STOP	905S	612	GLY
1	SET SEAL	FURNISHED UNDER SECTION 08400		B/O
1	EA DOOR SWEEP	B606B 36"	720	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 48"	10B	NGP
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC

1 EA DOOR POSITION SWITCH 679-05 HM SCE

- 1.) DOOR POSITION SWITCH SHALL BE WIRED TO THE ACCESS CONTROL/SECURITY SYSTEM.
- 2.) THE 'RX' SWITCH SHALL SHUNT ANY ALARMS WHEN INDIVIDUALS EGRESS THROUGH THE OPENING.

Hardware Group No. 015

For use on door(s):

3321C 3321D 3321E 3366C 3366D 3366E

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	EA PIVOT SET	7227	612	IVE
4	EA PIVOT	7227 INT	612	IVE
1	EA 3PT DEADLOCK	MS1851S X 4015 X 4085 - ADVISE BACKSET	612	ADA
2	EA MORTISE CYLINDER	20-060	612	SCH
2	EA PRIMUS CORE ONLY	20-740	606	SCH
2	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
2	EA PUSHBAR	9100-36-NO	612	IVE
2	EA DOOR PULL	OPRYLAND	612	TRI
2	EA CONCEALED CLOSER	2014 H BUMPER	612	LCN
1	SET MEETING STILE SEAL	FURNISHED UNDER SECTION 08400		B/O
1	SET SEAL	FURNISHED UNDER SECTION 08400		B/O
2	EA DOOR BOTTOM	4448S 36"	AL	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 72"	10B	NGP
2	EA DOOR POSITION SWITCH 679-05 HM			SCE

- 1.) FIELD-CUT AUTOMATIC DOOR BOTTOM TO ELIMINATE CONFLICT WITH THRESHOLD BOLT.
- 2.) DOOR POSITION SWITCHES SHALL BE WIRED TO THE ACCESS CONTROL/SECURITY SYSTEM.

Hardware Group No. 016

For use on door(s):

3367

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	EA PIVOT SET	7227	612	IVE
4	EA PIVOT	7227 INT	612	IVE
2	EA POWER TRANSFER	EPT-10	695	VON
1	EA PANIC HARDWARE	EL-RX-LX3547A-NL-OP 3'	612	VON
1	EA PANIC HARDWARE	EL-RX3547A-EO 3'	612	VON
1	EA RIM CYLINDER	20-079	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
2	EA DOOR PULL	OPRYLAND	612	TRI
1	EA CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN
1	EA AUTO-EQUALIZER	2614 ST-2511	612	LCN
2	EA OVERHEAD STOP	904S	612	GLY
1	SET MEETING STILE SEAL	FURNISHED UNDER SECTION 08400		B/O
1	SET SEAL	FURNISHED UNDER SECTION 08400		B/O
2	EA WALL PLATE SWITCH	7910-956	630	LCN
1	EA CONTROL BOX	7901ES	GRY	LCN
1	EA POWER SUPPLY	FURNISHED UNDER HARDWARE SET # 08.	GRY	VON

1	EA	POWER SUPPLY	PS873-2	GRY	VON
1	SET	WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
2	EA	DOOR POSITION SWITCH	679-05 HM		SCE
1	EA	READER INTERFACE	SRINX-1		SCE
1	EA	SMART CARD READER	SXF2100	BLK	SCE

OPERATIONAL DESCRIPTION:

NOTES:

- 1.) THE CARD READER SHALL CONTROL THE LOCKING AND UNLOCKING OF THE ELECTRIC LATCH RETRACTION EXIT DEVICES.
- 2.) THE DOOR POSITION SWITCHES SHALL MONITOR THE OPENING AND SHALL BE CONNECTED TO THE SECURITY SYSTEM.
- 3.) THE 'RX' SWITCHES INSIDE THE EXIT DEVICES SHALL BE WIRED TO THE 'RX' TERMINALS ON THE IO BOARD IN THE SECURITY SYSTEM.
- 4.) THE EXIT DEVICE WITH THE 'LX' SWITCH SHALL MOUNTED ON THE SAME DOOR LEAF AS THE AUTO-EQUALIZER.
- 5.) THE 'LX' SWITCH SHALL BE WIRED IN SERIES WITH THE EXTERIOR WALL ACTUATOR.

UNLOCK MODE:

- 1.) WHEN THE CARD READER IS PROGRAMMED TO UNLOCK THESE OPENINGS, THE FOLLOWING ACTIONS WILL OCCUR:
 - A.) THE ELECTRIC LATCH RETRACTION EXIT DEVICES SHALL UNLOCK.
 - B.) THE 'LX' SWITCH INSIDE THE EXIT DEVICE SHALL CLOSE AND ENABLE THE EXTERIOR WALL ACTUATOR.

LOCK MODE:

- 1.) WHEN THE CARD READER RELOCKS THE DOORS, THE LATCHBOLTS ON THE EXIT DEVICES WILL EXTEND AND RESECURE THE OPENING AND THE EXTERIOR WALL ACTUATOR WILL BE DISABLED.
- 2.) THE INTERIOR WALL ACTUATOR WILL ALWAYS BE ENABLED, ALLOWING INDIVIDUALS TO MOMENTARILY RETRACT THE LATCHBOLTS, ACTIVATE THE AUTOMATIC OPERATOR, AND EGRESS THROUGH THE OPENING.

DOOR MONITORING:

- 1.) WHEN A TOUCHBAR ON ONE OF THE EXIT DEVICES IS DEPRESSED, THE 'RX' SWITCH INSIDE THE EXIT DEVICE WILL CLOSE, SHUNTING ANY ALARMS ASSOCIATED WITH THE OPENING.

Hardware Group No. 017

For use on door(s):

5504A	5504B	5534A	5534B	5538A	5538B
5540A	5540B				

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7227	612	IVE
2	EA PIVOT	7227 INT	612	IVE
1	EA POWER TRANSFER	EPT-10	695	VON
1	EA PANIC HARDWARE	CD-RX35A-NL-OP 3' (WEATHER-RESISTANT SWITCH)	612	VON
1	EA RIM CYLINDER	20-079	612	SCH
3	EA PRIMUS CORE ONLY	20-740	606	SCH
3	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA MORTISE CYLINDER	26-094	626	SCH

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1	EA	MORTISE CYLINDER	26-094 XQ11-948	612	SCH
1	EA	SHEAR LOCK	GF3000-DSM/MBS	628	SCE
1	EA	DOOR PULL	OPRYLAND	612	TRI
1	EA	CONCEALED CLOSER	2014 H BUMPER	612	LCN
1	SET	SEAL	FURNISHED UNDER SECTION 08400		B/O
1	EA	DOOR BOTTOM	4448S 36"	AL	NGP
1	EA	THRESHOLD	427BR RCE (ALL 4 CORNERS) 72"	10B	NGP
1	EA	PS873 OPTION BOARD	873-DE		VON
1	EA	POWER SUPPLY	PS873	GRY	VON
1	SET	WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA	FIRE ALARM CONTACTS	FURNISHED BY THE FIRE ALARM CONTRACTOR		B/O
1	EA	ELECTRONIC HORN	1910S-1	WHT	SCE
1	EA	KEYSWITCH	653-1414-NS L2	630	SCE

NOTES:

- 1.) THE ELECTROMAGNETIC LOCKS SHALL BE CONNECTED TO THE THE PS873 X 873-DE POWER SUPPLY AND SHALL BE THE LOCKING DEVICE FOR THE DELAYED EGRESS SYSTEM.
- 2.) THE DSM/MBS SWITCHES INSIDE THE ELECTROMAGNETIC LOCKS SHALL BE WIRED INTO THE DELAYED EGRESS SYSTEM TO MONITOR THE OPENING.
- 3.) THE 'RX' SWITCHES INSIDE THE EXIT DEVICES SHALL BE UTILIZED TO ACTIVATE THE DELAYED EGRESS SYSTEM.
- 4.) CONTRACTOR SHALL DRILL WEEP HOLES IN THE EXIT DEVICE TO ALLOW WATER AND MOISTURE TO DRAIN FROM THE DEVICE MECHANISM CASES.
- 5.) THE DELAYED EGRESS SYSTEM SHALL BE CONNECTED TO THE FIRE-ALARM SYSTEM THROUGH A SET OF NORMALLY CLOSED, DRY CONTACTS. (CONTACTS SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.)

OPERATIONAL DESCRIPTION:

- 1.) THE KEY SWITCH SHALL CONTROL THE ARMING AND DISARMING OF THE DELAYED EGRESS SYSTEM.
- 2.) THE DELAYED EGRESS SYSTEM SHALL NORMALLY BE IN AN ARMED STATE TO PREVENT ACCESS FROM THE EXTERIOR WHEN THE BUILDING IS NOT IN USE AND NO EVENT IS TAKING PLACE.
- 3.) THE KEY SWITCH SHALL BE USED TO DISARM THE SYSTEM DURING EVENTS AND AT TIMES WHEN THE FACILITY IS IN USE.
- 4.) IF THE TOUCHBAR OF THE EXIT DEVICE IS DEPRESSED DURING TIMES WHEN THE DELAYED EGRESS SYSTEM IS ARMED, THE FOLLOWING ACTIONS WILL OCCUR:
 - A.) A ONE-SECOND NUISANCE ALARM WILL SOUND, INFORMING THE PERSON THAT THE DOORS ARE ARMED AND EGRESS THROUGH THE OPENINGS IS NOT

PERMITTED.

- B.) IF THE PERSON RELEASES THE TOUCHBAR BEFORE THE NUISANCE ALARM STATE ELAPSES, THE SYSTEM WILL RETURN TO AN ARMED MODE AND NO

FURTHER ALARMS WILL OCCUR.

- C.) IF, HOWEVER, THE PERSON CONTINUES TO DEPRESS THE TOUCHBAR, THE SYSTEM WILL GO INTO A 30-SECOND IRREVERSIBLE ALARM CYCLE.

- D.) DURING THIS IRREVERSIBLE, THE FOLLOWING WILL OCCUR:
 - THE ELECTROMAGNETIC LOCK WILL HOLD THE DOOR IN A LOCKED STATE.
 - A LOCAL, AUDIBLE ALARM WILL SOUND, ALERTING AUTHORIZED INDIVIDUALS TO THE BREACH IN SECURITY.
 - THE ALARM SIGNAL WILL BE SENT TO THE

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INTERIOR ROUGH CONSTRUCTION PACKAGE P4

SECURITY SYSTEM, INFORMING
SECURITY PERSONNEL OF THE BREACH AND THE LOCATION OF THE

SECURITY RISK.

E.) ONCE THE 30-SECOND DELAY HAS ELAPSED, THE DOOR WILL UNLOCK AND PERMIT THE INDIVIDUAL TO EGRESS THROUGH THE OPENING, BUT THE ALARM WILL

CONTINUE TO SOUND.

F.) ONCE SECURITY PERSONNEL ARRIVE AT THE OPENING, THE SYSTEM MAY BE RE-SET VIA THE KEY SWITCH.

5.) IF THE FIRE-ALARM IS ACTIVATED, POWER TO THE ELECTROMAGNETIC LOCKS WILL BE REMOVED, UNLOCKING THE DOORS TO PERMIT FREE EGRESS.

Hardware Group No. 018

For use on door(s):

5502 5536 5538C 5538D 5540C 5540D

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	EA PIVOT SET	7227	612	IVE
4	EA PIVOT	7227 INT	612	IVE
2	EA POWER TRANSFER	EPT-10	695	VON
1	EA REMOVABLE MULLION	SL60	VFY	SPE
1	EA PANIC HARDWARE	CD-RX35A-EO 3' (WEATHER-RESISTANT SWITCH)	612	VON
1	EA PANIC HARDWARE	CD-RX35A-NL-OP 3' (WEATHER-RESISTANT SWITCH)	612	VON
1	EA RIM CYLINDER	20-079	612	SCH
5	EA PRIMUS CORE ONLY	20-740	606	SCH
5	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA MORTISE CYLINDER	26-094	612	SCH
1	EA MORTISE CYLINDER	26-094	626	SCH
2	EA MORTISE CYLINDER	26-094 XQ11-948	612	SCH
2	EA SHEAR LOCK	GF3000-DSM/MBS	628	SCE
2	EA DOOR PULL	OPRYLAND	612	TRI
2	EA CONCEALED CLOSER	2014 H BUMPER	612	LCN
1	SET MEETING STILE SEAL	FURNISHED UNDER SECTION 08400		B/O
1	SET SEAL	FURNISHED UNDER SECTION 08400		B/O
2	EA DOOR BOTTOM	4448S 36"	AL	NGP
1	EA THRESHOLD	427BR RCE (ALL 4 CORNERS) 72"	10B	NGP
1	EA PS873 OPTION BOARD	873-DE		VON
1	EA POWER SUPPLY	PS873	GRY	VON
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA FIRE ALARM CONTACTS	FURNISHED BY THE FIRE ALARM CONTRACTOR		B/O
1	EA ELECTRONIC HORN	1910S-1	WHT	SCE
1	EA KEYSWITCH	653-1414-NS L2	630	SCE

NOTES:

- 1.) THE ELECTROMAGNETIC LOCKS SHALL BE CONNECTED TO THE THE PS873 X 873-DE POWER SUPPLY AND SHALL BE THE LOCKING DEVICE FOR THE DELAYED EGRESS SYSTEM.
- 2.) THE DSM/MBS SWITCHES INSIDE THE ELECTROMAGNETIC LOCKS SHALL BE WIRED INTO THE DELAYED EGRESS SYSTEM TO MONITOR THE OPENING.
- 3.) THE 'RX' SWITCHES INSIDE THE EXIT DEVICES SHALL BE UTILIZED TO ACTIVATE THE DELAYED

EGRESS SYSTEM.

4.) CONTRACTOR SHALL DRILL WEEP HOLES IN THE EXIT DEVICES TO ALLOW WATER AND MOISTURE TO DRAIN FROM THE DEVICE MECHANISM CASES.

5.) THE DELAYED EGRESS SYSTEM SHALL BE CONNECTED TO THE FIRE-ALARM SYSTEM THROUGH A SET OF NORMALLY CLOSED, DRY CONTACTS. (CONTACTS SHALL BE PROVIDED BY THE FIRE ALARM CONTRACTOR.)

OPERATIONAL DESCRIPTION:

1.) THE KEY SWITCH SHALL CONTROL THE ARMING AND DISARMING OF THE DELAYED EGRESS SYSTEM.

2.) THE DELAYED EGRESS SYSTEM SHALL NORMALLY BE IN AN ARMED STATE TO PREVENT ACCESS FROM THE EXTERIOR WHEN THE BUILDING IS NOT IN USE AND NO EVENT IS TAKING PLACE.

3.) THE KEY SWITCH SHALL BE USED TO DISARM THE SYSTEM DURING EVENTS AND AT TIMES WHEN THE FACILITY IS IN USE.

4.) IF THE TOUCHBAR OF THE EXIT DEVICE IS DEPRESSED DURING TIMES WHEN THE DELAYED EGRESS SYSTEM IS ARMED, THE FOLLOWING ACTIONS WILL OCCUR:

A.) A ONE-SECOND NUISANCE ALARM WILL SOUND, INFORMING THE PERSON THAT THE DOORS ARE ARMED AND EGRESS THROUGH THE OPENINGS IS NOT

THE DOORS ARE ARMED AND EGRESS THROUGH THE OPENINGS IS NOT

PERMITTED.

B.) IF THE PERSON RELEASES THE TOUCHBAR BEFORE THE NUISANCE ALARM STATE ELAPSES, THE SYSTEM WILL RETURN TO AN ARMED MODE AND NO

FURTHER ALARMS WILL OCCUR.

C.) IF, HOWEVER, THE PERSON CONTINUES TO DEPRESS THE TOUCHBAR, THE SYSTEM WILL GO INTO A 30-SECOND IRREVERSIBLE ALARM CYCLE.

D.) DURING THIS IRREVERSIBLE, THE FOLLOWING WILL OCCUR:

- THE ELECTROMAGNETIC LOCK WILL HOLD THE DOOR IN A LOCKED STATE.

- A LOCAL, AUDIBLE ALARM WILL SOUND, ALERTING AUTHORIZED

INDIVIDUALS TO THE BREACH IN SECURITY.

- THE ALARM SIGNAL WILL BE SENT TO THE SECURITY SYSTEM, INFORMING

SECURITY PERSONNEL OF THE BREACH AND THE LOCATION OF THE

SECURITY RISK.

E.) ONCE THE 30-SECOND DELAY HAS ELAPSED, THE DOOR WILL UNLOCK AND PERMIT THE INDIVIDUAL TO EGRESS THROUGH THE OPENING, BUT THE ALARM WILL

CONTINUE TO SOUND.

F.) ONCE SECURITY PERSONNEL ARRIVE AT THE OPENING, THE SYSTEM MAY BE RE-SET VIA THE KEY SWITCH.

5.) IF THE FIRE-ALARM IS ACTIVATED, POWER TO THE ELECTROMAGNETIC LOCKS WILL BE REMOVED, UNLOCKING THE DOORS TO PERMIT FREE EGRESS.

Hardware Group No. 019

For use on door(s):

7710

7711

Provide each SGL door(s) with the following:

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Quantity	Description	Model Number	Finish	Mfr
1	EA CONTINUOUS HINGE	224HD 83"	628	IVE
1	EA MORTISE DEADBOLT	L9460T L583-363	626	SCH
1	EA PRIMUS CORE ONLY	20-740	626	SCH
1	EA DOOR PULL	VR900	630	IVE
1	EA SURFACE CLOSER	4111 SHCUSH MC ST-1586	BRT	LCN
1	SET SEALS	700SA 1/36" 2/84"	AL	NGP
1	EA DOOR SWEEP	C627A 36"	AL	NGP
1	EA THRESHOLD	425 SIA 36"	NS	NGP

MOUNT MORTISE DEADLOCK AT STANDARD MORTISE LOCK LOCATION (I.E. APPROXIMATELY 39-15/16" CENTER-LINE A.F.F.).

Hardware Group No. 020 ACOUSTIC DOOR & FRAME

For use on door(s):

B000

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	SET CONST LATCHING BOLT	FB52	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA COORDINATOR	COR7G	612	IVE
2	EA SURFACE CLOSER	4021	691	LCN
2	EA MOUNTING PLATE	4020-18G	691	LCN
2	EA OVERHEAD STOP	904S-J	612	GLY
2	EA KICK PLATE	8400 8" X 35"	612	IVE
1	BALANCE OF HARDWARE BY DOOR MANUFACTURER			

Hardware Group No. 021 ACOUSTIC DOOR & FRAME

For use on door(s):

B001A

B001B

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	SET CONST LATCHING BOLT	FB52 36" ROD LENGTH	612	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA COORDINATOR	COR7G	612	IVE
2	EA SURFACE CLOSER	4021	691	LCN
2	EA MOUNTING PLATE	4020-18G	691	LCN
2	EA OVERHEAD STOP	904S-J	612	GLY
2	EA KICK PLATE	8400 8" X 35"	612	IVE
1	BALANCE OF HARDWARE BY DOOR MANUFACTURER			

Hardware Group No. 022

For use on door(s):

B003A

B006A

Provide each SGL door(s) with the following:

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INTERIOR ROUGH CONSTRUCTION PACKAGE P4

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA PASSAGE SET	L9010 OME	612	SCH
1	EA SURFACE CLOSER	4021	691	LCN
1	EA MOUNTING PLATE	4020-18G	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SEALS	107NB 1/36" 2/84"	BRZ	NGP
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 023

For use on door(s):

B007 B053 B062

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 024

For use on door(s):

1185 B008 B011 B042 B043 B044
B045

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA OFFICE LOCK	L9050T OME L583-363	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA WALL STOP	WS11	612	IVE
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 025

For use on door(s):

B012

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	SET AUTO FLUSH BOLT	FB31P	612	IVE
1	EA DUST PROOF STRIKE	DP2	612	IVE
1	EA OFFICE LOCK	L9050T OME L583-363	612	SCH
1	EA PRIMUS CORE ONLY	20-740	626	SCH
1	EA COORDINATOR	COR52 X FL20	315	IVE

25310
 PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
 INTERIOR ROUGH CONSTRUCTION PACKAGE P4

08 71 04 - 17

2	EA	MOUNTING BRACKET	MB2	315	IVE
2	EA	SURFACE CLOSER	4111 SCUSH	691	LCN
2	EA	ARMOR PLATE	8400 35" X 35"	612	IVE
2	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 026

For use on door(s):

5517B B013

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	STOREROOM LOCK	L9080T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	SURFACE CLOSER	4011	691	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
1	SET	SEALS	770SP-FS 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 027

For use on door(s):

B014 B015 B040

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	PRIVACY SET	L9040 OME L583-363	612	SCH
1	EA	SURFACE CLOSER	4011	691	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 028

For use on door(s):

B018

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA	CLASSROOM LOCK	L9070T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4011	691	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 029

For use on door(s):

1103B B022A B046A

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Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA FIRE EXIT HARDWARE	9875L-BE-F 996L-BE-OME 3'	612	VON
1	EA SURFACE CLOSER	4011	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SMOKE SEALS	2525B 17'	BRN	NGP
1	EA INTUMESCENT SEALS	9890C 17' (PROVIDE IF NOT INCLUDED IN DOOR)	BLK	NGP

Hardware Group No. 030

For use on door(s):

B063C

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA FIRE EXIT HARDWARE	9875L-BE-F 996L-BE-OME 3'	612	VON
1	EA SURFACE CLOSER	4011	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SMOKE SEALS	2525B 17'	BRN	NGP
1	EA INTUMESCENT SEALS	9890C 17' (PROVIDE IF NOT INCLUDED IN DOOR)	BLK	NGP

Hardware Group No. 031

For use on door(s):

B027

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4111 SCUSH	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 032

For use on door(s):

1118 1130 4415 5515 5530 B028
P159 P169

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4111 EDA	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE

3 EA SILENCER SR64 GRY IVE

Hardware Group No. 033

For use on door(s):

B030

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SMOKE SEALS	2525B 17'	BRN	NGP

Hardware Group No. 034

For use on door(s):

B031

B032

B033

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1		ALL HARDWARE BY DOOR MANUFACTURER		B/O

Hardware Group No. 035

For use on door(s):

B034

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
2	EA PANIC HARDWARE	CD9847WDC-L 996L-OME 3'	612	VON
2	EA RIM CYLINDER	20-079	612	SCH
4	EA PRIMUS CORE ONLY	20-740	606	SCH
4	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
2	EA MORTISE CYLINDER	26-094 XQ11-948	612	SCH
1	SET ASTRAGAL	9605B 84"	BRZ	NGP
2	EA SURFACE CLOSER	4111 EDA	691	LCN
2	EA KICK PLATE	8400 8" X 35"	612	IVE
2	EA WALL STOP	WS11	612	IVE
1	SET SMOKE SEALS	2525B 20'	BRN	NGP

Hardware Group No. 036

For use on door(s):

B035

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH

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1	EA	SURFACE CLOSER	4011	691	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	MAGNETIC HOLD-OPEN	SEM 7850	612	LCN
1	SET	SMOKE SEALS	2525B 17'	BRN	NGP
1	EA	TRANSFORMER	4040SED-3210		LCN
1	SET	WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA	FIRE ALARM CONTACTS	FURNISHED BY THE FIRE ALARM CONTRACTOR		B/O

Hardware Group No. 037

For use on door(s):

B036A

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	OFFICE LOCK	L9056T OME L583-363 09-611 L583-375	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4011	691	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
1	SET	SMOKE SEALS	2525B 17'	BRN	NGP

Hardware Group No. 038

For use on door(s):

B036B

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	OFFICE LOCK	L9056T OME L583-363 09-611 L583-375	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4011	691	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 039

For use on door(s):

B037

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	PRIVACY SET	L9040 OME L583-363	612	SCH
1	EA	SURFACE CLOSER	4111 EDA	691	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 040

For use on door(s):

B041A B041B

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	SET CONST LATCHING BOLT	FB61P	612	IVE
1	EA DUST PROOF STRIKE	DP2	612	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA COORDINATOR	COR52 X FL20	315	IVE
1	EA SMOKE ASTRAGAL	2525B 7'	BRN	NGP
1	EA OVERLAPPING ASTRAGAL	FURNISHED BY THE DOOR SUPPLIER		B/O
2	EA SURFACE CLOSER	4011 ST-1544	691	LCN
2	EA MOUNTING PLATE	4020-18	691	LCN
2	EA OVERHEAD STOP	104S	612	GLY
2	EA KICK PLATE	8400 8" X 35"	612	IVE
1	SET SMOKE SEALS	2525B 20'	BRN	NGP

Hardware Group No. 041

For use on door(s):

B047

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	SET CONST LATCHING BOLT	FB61P	612	IVE
1	EA DUST PROOF STRIKE	DP2	612	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA COORDINATOR	COR52 X FL20	315	IVE
1	EA SMOKE ASTRAGAL	2525B 7'	BRN	NGP
1	EA OVERLAPPING ASTRAGAL	FURNISHED BY THE DOOR SUPPLIER		B/O
2	EA SURFACE CLOSER	4011 ST-1544	691	LCN
2	EA MOUNTING PLATE	4020-18	691	LCN
2	EA OVERHEAD STOP	104S	612	GLY
2	EA KICK PLATE	8400 8" X 35"	612	IVE
1	SET SMOKE SEALS	2525B 20'	BRN	NGP

Hardware Group No. 042

For use on door(s):

B048

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	SET CONST LATCHING BOLT	FB62	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA COORDINATOR	COR7G	612	IVE
2	EA SURFACE CLOSER	4021	691	LCN

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2	EA	MOUNTING PLATE	4020-18G	691	LCN
2	EA	OVERHEAD STOP	904S-J	612	GLY
2	EA	ARMOR PLATE	8400 35" X 35" X U.L.	612	IVE
1	SET	SEALS	770SP-FS 1/72" 2/84"	AL	ZER
1	SET	INTUMESCENT SEALS	9800C 17' (PROVIDE IF NOT INCLUDED IN DOOR)	BLK	NGP
2	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	813 72"	BRZ	NGP

Hardware Group No. 043**For use on door(s):**

B051A

B051B

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
6	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
2	EA	FIRE EXIT HARDWARE	9847L-F-LBR 996L-NL-OME 3'	612	VON
2	EA	RIM CYLINDER	20-079	612	SCH
2	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	SET	ASTRAGAL	115NB 84"	BRZ	NGP
1	EA	SMOKE ASTRAGAL	5060B 7'	BRN	NGP
2	EA	SURFACE CLOSER	4021	691	LCN
2	EA	MOUNTING PLATE	4020-18G	691	LCN
2	EA	OVERHEAD STOP	104S	612	GLY
1	SET	SEALS	107NB 1/72" 2/84"	BRZ	NGP
1	SET	SMOKE SEALS	2525B 20'	BRN	NGP
1	EA	THRESHOLD	813 72"	BRZ	NGP

Hardware Group No. 044**For use on door(s):**

B052

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
6	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	CONST LATCHING BOLT	FB61T	612	IVE
1	EA	STOREROOM LOCK	L9080T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	COORDINATOR	COR7G	612	IVE
1	EA	SMOKE ASTRAGAL	2525B 7'	BRN	NGP
1	EA	OVERLAPPING ASTRAGAL	FURNISHED BY THE DOOR SUPPLIER		B/O
2	EA	SURFACE CLOSER	4021	691	LCN
2	EA	MOUNTING PLATE	4020-18G	691	LCN
2	EA	OVERHEAD STOP	104S	612	GLY
2	EA	KICK PLATE	8400 8" X 35"	612	IVE
1	SET	SEALS	107NB 1/72" 2/84"	BRZ	NGP
2	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	813 72"	BRZ	NGP

Hardware Group No. 045 - NOT USED**For use on door(s):**

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Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
2	EA PUSH PLATE	8200 4" X 16"	612	IVE
2	EA PULL PLATE	8303-8 4" X 16"	612	IVE
2	EA SURFACE CLOSER	4111 EDA	691	LCN
2	EA KICK PLATE	8400 8" X 35"	612	IVE
2	EA WALL STOP	WS11	612	IVE
2	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 046

For use on door(s):

B055

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	626	SCH
1	EA SURFACE CLOSER	4011	691	LCN
1	EA ARMOR PLATE	8400 35" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SEALS	770SP-FS 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 047 ACOUSTIC DOOR & FRAME

For use on door(s):

B057

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	SET CONST LATCHING BOLT	FB52	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
2	EA WALL STOP	WS11	612	IVE
1	BALANCE OF HARDWARE BY DOOR MANUFACTURER			

Hardware Group No. 048 ACOUSTIC DOOR & FRAME

For use on door(s):

B058

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA COORDINATOR	COR7G	612	IVE
2	EA SURFACE CLOSER	4021	691	LCN
2	EA MOUNTING PLATE	4020-18G	691	LCN
2	EA OVERHEAD STOP	904S-J	612	GLY

1 BALANCE OF HARDWARE BY DOOR
 MANUFACTURER

Hardware Group No. 049

For use on door(s):

B060

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA CONST LATCHING BOLT	FB61T	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA COORDINATOR	COR7G	612	IVE
1	EA SMOKE ASTRAGAL	2525B 7'	BRN	NGP
1	EA OVERLAPPING ASTRAGAL	FURNISHED BY THE DOOR SUPPLIER		B/O
2	EA SURFACE CLOSER	4021	691	LCN
2	EA MOUNTING PLATE	4020-18G	691	LCN
2	EA OVERHEAD STOP	104S	612	GLY
2	EA KICK PLATE	8400 8" X 35"	612	IVE
1	SET SEALS	770SP 1/72" 2/84"	AL	ZER
2	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	813 72"	BRZ	NGP

Hardware Group No. 050

For use on door(s):

B061

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4021	691	LCN
1	EA MOUNTING PLATE	4020-18G	691	LCN
1	EA OVERHEAD STOP	904S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SEALS	770SP-FS 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	613 36"	BRZ	NGP

Hardware Group No. 051

For use on door(s):

B063A

B063B

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
8	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
2	EA PANIC HARDWARE	LD9827L-LBR 996L-OME 4'	612	VON
2	EA RIM CYLINDER	20-079	612	SCH
2	EA PRIMUS CORE ONLY	20-740	606	SCH

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2	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
2	EA	SURFACE CLOSER	4111 SCUSH	691	LCN
2	EA	KICK PLATE	8400 8" X 35"	612	IVE
2	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 052**For use on door(s):**

P003B

P006B

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA	FIRE EXIT HARDWARE	9875L-F 996L-OME 3'	612	VON
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	MORTISE CYLINDER	26-094	612	SCH
1	EA	SURFACE CLOSER	4011 MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
1	SET	SEALS	770SP-FS 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 053**For use on door(s):**

P005C

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	PASSAGE SET	L9010 OME	612	SCH
1	EA	SURFACE CLOSER	4011T DE MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
1	SET	SEALS	770SP-FS 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	422N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 054**For use on door(s):**

P158

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	STOREROOM LOCK	L9080T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4021	691	LCN
1	EA	MOUNTING PLATE	4020-18G	691	LCN
1	EA	OVERHEAD STOP	104S	612	GLY
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER

1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 055 CONCEALED DOOR

For use on door(s):

P146 P161

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	SET PIVOT SET	7255	612	IVE
1	EA SGL DUMMY TRIM	L0170 OME	612	SCH
1	EA ROLLER LATCH	RL30-A (LOCK EDGE MOUNT)	612	IVE
1	EA CONCEALED CLOSER	2033 H BUMPER ST-2268	612	LCN
1	EA WOOD MTG. CLIP SET	2030-416	612	LCN
1	SET SEALS	770SP 1/36" 1/88"	AL	ZER
1	EA DOOR BOTTOM	4448S 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

- 1.) THE AUTOMATIC DOOR BOTTOM WILL NEED TO BE REVERESED, SO THAT THE ENGAGEMENT OF THE ACTUATOR TAKES PLACE ON THE STRIKE JAMB IN LIEU OF THE HINGE JAMB.
- 2.) FIELD CUT THE AUTOMATIC DOOR BOTTOM TO CIRCUMVENT THE BOTTOM PIVOT.

Hardware Group No. 056

For use on door(s):

P150 P152 P153 P155

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
1	EA CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	EA SURFACE CLOSER	4011 MC	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 057

For use on door(s):

P156 P157

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA PRIVACY LOCK	L9496T OME L583-363	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011 MC	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 058 ACOUSTIC DOOR & FRAME

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For use on door(s):

1101

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PANIC HARDWARE	LD9827EO-LBR 4'	612	VON
1	EA PANIC HARDWARE	LD9875L 996L-OME 4'	612	VON
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA MORTISE CYLINDER	26-094	612	SCH
1	EA COORDINATOR	COR9G	612	IVE
1	EA CARRY BAR	CB1	612	IVE
2	EA SURFACE CLOSER	4021 MC	612	LCN
2	EA MOUNTING PLATE	4020-18G	612	LCN
2	EA KICK PLATE	8400 8" X 47"	612	IVE
2	EA WALL STOP	WS11	612	IVE
2		BALANCE OF HARDWARE BY DOOR SUPPLIER		B/O

Hardware Group No. 059

For use on door(s):

3357

B022B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4111 EDA	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 060

For use on door(s):

B005A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA PASSAGE SET	L9010 OME	612	SCH
1	EA SURFACE CLOSER	4011T	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SEALS	770SP-FS 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP
1	EA SECURITY INTERLOCK	FURNISHED BY HANDI-CAP LIFT MANUFACTURER		B/O

Hardware Group No. 061

For use on door(s):

B050

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Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	626	SCH
1	EA CONCEALED CLOSER	2014 H BUMPER	612	LCN
1	EA SURFACE CLOSER	4021	691	LCN
1	EA MOUNTING PLATE	4020-18G	691	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SEALS	107NB 1/36" 2/84"	BRZ	NGP
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	613 36"	BRZ	NGP

Hardware Group No. 062

For use on door(s):

3341 3348 B064

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 063 ACOUSTIC DOOR & FRAME

For use on door(s):

1102A

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA CONST LATCHING BOLT	FB51T 24" ROD LENGTH	612	IVE
1	EA DUST PROOF STRIKE	DP2	612	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
2	EA SURFACE CLOSER	4021	691	LCN
2	EA MOUNTING PLATE	4020-18G	691	LCN
2	EA OVERHEAD STOP	906S-J	612	GLY
2	EA ARMOR PLATE	8400 35" X 53"	612	IVE
2		BALANCE OF HARDWARE BY DOOR MANUFACTURER		

Hardware Group No. 064 ACOUSTIC DOOR & FRAME

For use on door(s):

1102B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
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3	EA	HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA	FIRE EXIT HARDWARE	9875L-BE-F 996L-BE-OME 3'	612	VON
1	EA	SURFACE CLOSER	4011 MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
1	SET	SMOKE SEALS	2525B 17'	BRN	NGP
1	EA	INTUMESCENT SEALS	9890C 17' (PROVIDE IF NOT INCLUDED IN DOOR)	BLK	NGP

Hardware Group No. 065 ACOUSTIC DOOR & FRAME

For use on door(s):

1102C

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr	
1	EA	CONST LATCHING BOLT	FB51T	612	IVE	
1	EA	CLASSROOM LOCK	L9070T OME	612	SCH	
1	EA	PRIMUS CORE ONLY	20-740	606	SCH	
2	EA	SURFACE CLOSER	4011	691	LCN	
2	EA	ARMOR PLATE	8400 35" X 35"	612	IVE	
2	EA	WALL STOP	WS11	612	IVE	
2		BALANCE OF HARDWARE BY DOOR MANUFACTURER				

Hardware Group No. 066 ACOUSTIC DOOR & FRAME

For use on door(s):

1102D

1102E

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr	
2	EA	CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI	
2	EA	CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI	
2	EA	SURFACE CLOSER	4011 MC	612	LCN	
2	EA	KICK PLATE	8400 8" X 35"	612	IVE	
2		BALANCE OF HARDWARE BY DOOR MANUFACTURER				

Hardware Group No. 067

For use on door(s):

1103A

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
8	EA	HINGE	5BB1HW 5 X 4.5	612	IVE
1	EA	CONST LATCHING BOLT	FB51T 24" ROD LENGTH	612	IVE
1	EA	CLASSROOM LOCK	L9070T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	COORDINATOR	COR9G	612	IVE
1	EA	SMOKE ASTRAGAL	2525B 7'	BRN	NGP
1	EA	OVERLAPPING ASTRAGAL	FURNISHED BY THE DOOR SUPPLIER		B/O
2	EA	SURFACE CLOSER	4021	691	LCN

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2	EA	MOUNTING PLATE	4020-18G	691	LCN
2	EA	ARMOR PLATE	8400 35" X 47"	612	IVE
1	SET	SEALS	770SP 1/96" 2/96"	AL	ZER
2	EA	DOOR BOTTOM	422N 48"	AL	NGP
1	EA	THRESHOLD	411 96"	BRZ	NGP

Hardware Group No. 068

For use on door(s):

1103C 1103D

Provide each RU door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
2	EA	PRIMUS CORE ONLY	20-740	626	SCH
2	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
2	EA	MORTISE CYLINDER	26-094	626	SCH

VERIFY CYLINDER TYPE & QUANTITY.

Hardware Group No. 069

For use on door(s):

1104A

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
6	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	SET	CONST LATCHING BOLT	FB52	612	IVE
1	EA	CLASSROOM LOCK	L9070T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	COORDINATOR	COR7G	612	IVE
1	EA	SMOKE ASTRAGAL	2525B 7'	BRN	NGP
1	EA	OVERLAPPING ASTRAGAL	FURNISHED BY THE DOOR SUPPLIER		B/O
2	EA	SURFACE CLOSER	4021	691	LCN
2	EA	MOUNTING PLATE	4020-18G	691	LCN
2	EA	OVERHEAD STOP	104S	612	GLY
2	EA	ARMOR PLATE	8400 35" X 35" X U.L.	612	IVE
1	SET	SEALS	770SP-FS 1/72" 2/84"	AL	ZER
2	EA	DOOR BOTTOM	422N 36"	AL	NGP
1	EA	THRESHOLD	411 72"	BRZ	NGP

Hardware Group No. 070

For use on door(s):

1104B

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
6	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	MANUAL FLUSH BOLT	FB457-12" (BOTTOM)	612	IVE
1	EA	MANUAL FLUSH BOLT	FB457-12" (TOP)	612	IVE
1	EA	DUST PROOF STRIKE	DP2	612	IVE
1	EA	STOREROOM LOCK	L9080T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH

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2	EA	WALL STOP	WS11	612	IVE
2	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 071

For use on door(s):

1106 1111A

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA	MORTISE DEADBOLT	L9463T XB11-720	612	SCH
1	EA	CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
1	EA	CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	EA	SURFACE CLOSER	4011 MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

MOUNT MORTISE DEADLOCK AT THE STANDARD MORTISE LOCK LOCATION (I.E. APPROXIMATELY 39-15/16" CENTERLINE A.F.F.).

Hardware Group No. 072

For use on door(s):

1107 1112 3335 3337 3353 3355
 5511 5513 5527 5531

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA	CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
1	EA	CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	EA	SURFACE CLOSER	4011 MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 073

For use on door(s):

1110 1173 5508 5526

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	PRIVACY SET	L9040 OME L583-363	612	SCH
1	EA	SURFACE CLOSER	4011 MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 074

For use on door(s):

1114 3346

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA PRIVACY SET	L9040 OME L583-363	612	SCH
1	EA SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA MOUNTING PLATE	4020-18	612	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 075

For use on door(s):

1115

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
2	EA CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
2	EA CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	SET ASTRAGAL	144SA 84"	AL	NGP
2	EA SURFACE CLOSER	4011 MC ST-1544	612	LCN
2	EA MOUNTING PLATE	4020-18	612	LCN
2	EA OVERHEAD STOP	104S	612	GLY
2	EA KICK PLATE	8400 8" X 35"	612	IVE
1	SET SEALS	770SP 1/72" 2/84"	AL	ZER
2	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 72"	BRZ	NGP

Hardware Group No. 076

For use on door(s):

1116 1124 1127A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA OFFICE LOCK	L9056T OME L583-363 09-611 L583-375	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011 MC	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 077

For use on door(s):

1127B

PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR ROUGH CONSTRUCTION PACKAGE P4

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA OFFICE LOCK	L9056T OME L583-363 09-611 L583-375	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA MOUNTING PLATE	4020-18	612	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 078

For use on door(s):

1117 1123 1125 1128

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA PRIVACY SET	L9040 OME L583-363	612	SCH
1	EA WALL STOP	WS11	612	IVE
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 079

For use on door(s):

1122A

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA CONST LATCHING BOLT	FB61T	612	IVE
1	EA OFFICE LOCK	L9056T OME L583-363	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA COORDINATOR	COR7G	612	IVE
1	EA ASTRAGAL	109NBR 84"	10	NGP
2	EA SURFACE CLOSER	4011 MC	612	LCN
2	EA KICK PLATE	8400 8" X 35"	612	IVE
2	EA WALL STOP	WS11	612	IVE
1	SET SEALS	770SP 1/72" 2/84"	AL	ZER
2	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 72"	BRZ	NGP

Hardware Group No. 080

For use on door(s):

1122B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA OFFICE LOCK	L9056T OME L583-363	612	SCH

PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR ROUGH CONSTRUCTION PACKAGE P4

1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	WALL STOP	WS11	612	IVE
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 081

For use on door(s):

1121

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	OFFICE LOCK	L9050T OME L583-363	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4111 EDA MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 082

For use on door(s):

1131A

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
6	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	CONST LATCHING BOLT	FB61T	612	IVE
1	EA	OFFICE LOCK	L9050T OME L583-363	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	COORDINATOR	COR7G	612	IVE
1	EA	ASTRAGAL	109NBR 84"	10	NGP
2	EA	SURFACE CLOSER	4011 ST-1544	691	LCN
2	EA	MOUNTING PLATE	4020-18	691	LCN
2	EA	OVERHEAD STOP	104S	612	GLY
2	EA	KICK PLATE	8400 8" X 35"	612	IVE
1	SET	SEALS	770SP 1/72" 2/84"	AL	ZER
2	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 72"	BRZ	NGP

Hardware Group No. 083

For use on door(s):

1131B

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
6	EA	HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA	PANIC HARDWARE	LD9827EO-LBR 3'	612	VON
1	EA	PANIC HARDWARE	LD9875L 996L-OME 3'	612	VON
1	EA	PRIMUS CORE ONLY	20-740	606	SCH

PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR ROUGH CONSTRUCTION PACKAGE P4

1	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA	MORTISE CYLINDER	26-094	612	SCH
1	EA	COORDINATOR	COR7G	612	IVE
1	EA	CARRY BAR	CB1	612	IVE
1	EA	ASTRAGAL	109NBR 84"	10	NGP
2	EA	SURFACE CLOSER	4021 MC	612	LCN
2	EA	MOUNTING PLATE	4020-18G	612	LCN
2	EA	OVERHEAD STOP	104S	612	GLY
2	EA	KICK PLATE	8400 8" X 35"	612	IVE
1	SET	SEALS	770SP 1/72" 2/84"	AL	ZER
2	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 72"	BRZ	NGP

Hardware Group No. 084 ACOUSTIC DOOR & FRAME

For use on door(s):

1133A

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PANIC HARDWARE	LD9827EO-LBR 4'	612	VON
1	EA PANIC HARDWARE	LD9875L 996L-OME 4'	612	VON
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA MORTISE CYLINDER	26-094	612	SCH
1	EA COORDINATOR	COR9G	612	IVE
1	EA CARRY BAR	CB1	612	IVE
2	EA SURFACE CLOSER	4021 MC	612	LCN
2	EA MOUNTING PLATE	4020-18G	612	LCN
2	EA OVERHEAD STOP	905S-J	612	GLY
2	EA KICK PLATE	8400 8" X 41"	612	IVE
2		BALANCE OF HARDWARE BY DOOR SUPPLIER		B/O

Hardware Group No. 085

For use on door(s):

1132A

1175A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 5 X 4.5	612	IVE
1	EA CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
1	EA CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	EA SURFACE CLOSER	4021 MC	612	LCN
1	EA MOUNTING PLATE	4020-18G	612	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 086

For use on door(s):

1133B

1175B

PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR ROUGH CONSTRUCTION PACKAGE P4

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
8	EA HINGE	5BB1HW 5 X 4.5	612	IVE
2	EA CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
2	EA CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	SET ASTRAGAL	144SA 84"	AL	NGP
2	EA SURFACE CLOSER	4021 MC	612	LCN
2	EA MOUNTING PLATE	4020-18G	612	LCN
2	EA OVERHEAD STOP	104S	612	GLY
1	SET SEALS	770SP 1/72" 2/98"	AL	ZER
2	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 72"	BRZ	NGP

Hardware Group No. 087

For use on door(s):

1134

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA OFFICE LOCK	L9050T OME L583-363	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 088

For use on door(s):

1135A

1177A

3320

3322

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
8	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
2	EA PANIC HARDWARE	5547WDC-L-OME	612	VON
2	EA PRIMUS CORE ONLY	20-740	606	SCH
2	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
2	EA MORTISE CYLINDER	26-094	612	SCH
1	SET ASTRAGAL	144SA 84"	AL	NGP
2	EA SURFACE CLOSER	4021 MC	612	LCN
2	EA MOUNTING PLATE	4020-18G	612	LCN
2	EA OVERHEAD STOP	104S	612	GLY
2	EA KICK PLATE	8400 8" X 35"	612	IVE
1	SET SEALS	770SP 1/72" 2/96"	AL	ZER
2	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 72"	BRZ	NGP

FIELD-CUT AUTOMATIC DOOR BOTTOM APPROXIMATELY 4-1/2" SHORT TO AVOID ANY CONFLICT WITH THE BOTTOM VERTICAL ROD.

Hardware Group No. 089

For use on door(s):

1135B 1177B

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
8	EA HINGE	5BB1HW 5 X 4.5	612	IVE
2	EA CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
2	EA CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	SET ASTRAGAL	144SA 84"	AL	NGP
2	EA SURFACE CLOSER	4021 MC	612	LCN
2	EA MOUNTING PLATE	4020-18G	612	LCN
2	EA OVERHEAD STOP	104S	612	GLY
1	SET SEALS	770SP 1/72" 2/98"	AL	ZER
2	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 72"	BRZ	NGP

Hardware Group No. 090

For use on door(s):

1136

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4021	691	LCN
1	EA MOUNTING PLATE	4020-18G	691	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 091

For use on door(s):

1138 1141

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
8	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA DUST PROOF STRIKE	DP2	612	IVE
1	EA 2PT DEADLOCK	MS1837 1-1/2"BS	612	ADA
1	EA MORTISE CYLINDER	20-060	612	SCH
2	EA CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
2	EA CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
2	EA SURFACE CLOSER	4011 MC ST-1544	612	LCN
2	EA MOUNTING PLATE	4020-18	612	LCN
2	EA OVERHEAD STOP	104S	612	GLY
2	EA KICK PLATE	8400 8" X 35"	612	IVE
2	EA SILENCER	SR65	GRY	IVE

Hardware Group No. 092

For use on door(s):

1139

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	SET PIVOT SET	7255	612	IVE
1	EA STOREROOM LOCK	L9080T LLL OME L283-150	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CYLINDER PULL	90 2" X 3 3/4"	612	ROC
1	EA SENTRONIC CLOSER	4413ME B80 24V	691	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SMOKE SEALS	2525B 17'	BRN	NGP
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA FIRE ALARM CONTACTS	FURNISHED BY THE FIRE ALARM CONTRACTOR		B/O

Hardware Group No. 093

For use on door(s):

1140A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7227	612	IVE
2	EA PIVOT	7227 INT	612	IVE
1	EA DUMMY TOUCH BAR	350	612	VON
1	EA DOOR PULL	OPRYLAND	612	TRI
1	EA AUTO-EQUALIZER	2614 ST-2511	612	LCN
1	EA OVERHEAD STOP	904S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
3	EA SILENCER	SR65	GRY	IVE
1	SET WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA ACTUATOR, JAMB MOUNT	8310-818		LCN
1	EA ACTUATOR, WALL MOUNT	8310-856		LCN

SEE OPERATIONAL DESCRIPTION IN HARDWARE SET # 02.

Hardware Group No. 094

For use on door(s):

1140B

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	EA PIVOT SET	7227	612	IVE
4	EA PIVOT	7227 INT	612	IVE
2	EA DUMMY TOUCH BAR	350	612	VON
2	EA DOOR PULL	OPRYLAND	612	TRI
2	EA CONCEALED CLOSER	2013 BUMPER ST-2210	612	LCN
2	EA OVERHEAD STOP	904S	612	GLY
2	EA KICK PLATE	8400 8" X 35"	612	IVE

2 EA SILENCER SR65 GRY IVE

Hardware Group No. 095

For use on door(s):

1140C

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7227	612	IVE
2	EA PIVOT	7227 INT	612	IVE
1	EA DUMMY TOUCH BAR	350	612	VON
1	EA DOOR PULL	OPRYLAND	612	TRI
1	EA CONCEALED CLOSER	2013 BUMPER ST-2210	612	LCN
1	EA OVERHEAD STOP	904S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
3	EA SILENCER	SR65	GRY	IVE

Hardware Group No. 096

For use on door(s):

1142A

1166B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011 MC	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 097

For use on door(s):

1142B

1166A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA FIRE EXIT HARDWARE	5575L-F-OME	612	VON
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA MORTISE CYLINDER	26-094	612	SCH
1	EA SURFACE CLOSER	4111 SCUSH MC	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SMOKE SEALS	2525B 17'	BRN	NGP
1	EA INTUMESCENT SEALS	9890C 17' (PROVIDE IF NOT INCLUDED IN DOOR)	BLK	NGP

Hardware Group No. 098

For use on door(s):

1143

1164

3318

PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR ROUGH CONSTRUCTION PACKAGE P4

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	SET PIVOT SET	7255	612	IVE
1	EA STOREROOM LOCK	L9080T LLL OME L283-150	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CYLINDER PULL	90 2" X 3 3/4"	612	ROC
1	EA CONCEALED CLOSER	2033 BUMPER ST-2268	689	LCN
1	EA WOOD MTG. CLIP SET	2030-416	612	LCN
1	SET SMOKE SEALS	2525B 17'	BRN	NGP

Hardware Group No. 099

For use on door(s):

1167A

1183B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA MOUNTING PLATE	4020-18	612	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 100

For use on door(s):

1168A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PIVOT SET	7227	612	IVE
2	EA PIVOT	7227 INT	612	IVE
1	EA DUMMY TOUCH BAR	350	612	VON
1	EA DOOR PULL	OPRYLAND	612	TRI
1	EA CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN
1	EA OVERHEAD STOP	905S	612	GLY
1	EA KICK PLATE	8400 8" X 40-1/2"	612	IVE
3	EA SILENCER	SR65	GRY	IVE

Hardware Group No. 101

For use on door(s):

1168B

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	EA PIVOT SET	7227	612	IVE
4	EA PIVOT	7227 INT	612	IVE
2	EA DUMMY TOUCH BAR	350	612	VON
2	EA DOOR PULL	OPRYLAND	612	TRI
2	EA CONCEALED CLOSER	2014 BUMPER ST-2210	612	LCN

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 INTERIOR ROUGH CONSTRUCTION PACKAGE P4

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2	EA	OVERHEAD STOP	905S	612	GLY
2	EA	KICK PLATE	8400 8" X 41"	612	IVE
2	EA	SILENCER	SR65	GRY	IVE

Hardware Group No. 102

For use on door(s):

1168C

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
1	EA	PIVOT SET	7227	612	IVE
2	EA	PIVOT	7227 INT	612	IVE
1	EA	DUMMY TOUCH BAR	350	612	VON
1	EA	DOOR PULL	OPRYLAND	612	TRI
1	EA	AUTO-EQUALIZER	2614 ST-2511	612	LCN
1	EA	OVERHEAD STOP	905S	612	GLY
1	EA	KICK PLATE	8400 8" X 40-1/2"	612	IVE
3	EA	SILENCER	SR65	GRY	IVE
1	SET	WIRING DIAGRAMS	RISER & WIRING DIAGRAMS		SSC
1	EA	ACTUATOR, JAMB MOUNT	8310-818		LCN
1	EA	ACTUATOR, WALL MOUNT	8310-856		LCN

SEE OPERATIONAL DESCRIPTION IN HARDWARE SET # 02.

Hardware Group No. 103

For use on door(s):

1170

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
1	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	OFFICE LOCK	L9050T OME L583-363	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4111 SCUSH MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 104

For use on door(s):

1178

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	STOREROOM LOCK	L9080T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4021 MC	612	LCN
1	EA	MOUNTING PLATE	4020-18G	612	LCN
1	EA	OVERHEAD STOP	104S	612	GLY
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE

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INTERIOR ROUGH CONSTRUCTION PACKAGE P4

1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 105

For use on door(s):

1180

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1HW 5 X 4.5	612	IVE
1	EA CONST LATCHING BOLT	FB61T	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA COORDINATOR	COR9G	612	IVE
1	EA ASTRAGAL	109NBR 84"	10	NGP
2	EA SURFACE CLOSER	4011 ST-1544	691	LCN
2	EA MOUNTING PLATE	4020-18	691	LCN
2	EA OVERHEAD STOP	105S	612	GLY
2	EA KICK PLATE	8400 8" X 41"	612	IVE
1	SET SEALS	770SP 1/96" 2/84"	AL	ZER
2	EA DOOR BOTTOM	423N 48"	AL	NGP
1	EA THRESHOLD	411 96"	BRZ	NGP

Hardware Group No. 106

For use on door(s):

1181A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA PANIC HARDWARE	LD9875L 996L-OME 3'	612	VON
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA MORTISE CYLINDER	26-094	612	SCH
1	EA SURFACE CLOSER	4111 SCUSH MC	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 107

For use on door(s):

1183A	3303A	3304A	3306A	3308A	3324A
3325A	3327A	3328A	3332A	3340B	3349A
3350A	3358A	3360A	3362A	3363A	

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH

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INTERIOR ROUGH CONSTRUCTION PACKAGE P4

1	EA	SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA	MOUNTING PLATE	4020-18	612	LCN
1	EA	OVERHEAD STOP	104S	612	GLY
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 108

For use on door(s):

1183C

1183D

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA PASSAGE SET	L9010 OME	612	SCH
1	EA SURFACE CLOSER	4011T DE MC ST-1736	612	LCN
1	EA MOUNTING PLATE	4020-18	612	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
3	EA SILENCER	SR64	GRY	IVE
1	EA SECURITY INTERLOCK	FURNISHED BY HANDI-CAP LIFT MANUFACTURER		B/O

Hardware Group No. 109

For use on door(s):

1184A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA OFFICE LOCK	L9056T OME L583-363	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4021 MC	612	LCN
1	EA MOUNTING PLATE	4020-18G	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 110

For use on door(s):

1184B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA OFFICE LOCK	L9056T OME L583-363	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011 MC	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE

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PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR ROUGH CONSTRUCTION PACKAGE P4

1	EA	WALL STOP	WS11	612	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 111**For use on door(s):**

2200C

2200D

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
6	EA	HINGE	5BB1HW 4.5 X 4.5	612	IVE
2	EA	PANIC HARDWARE	5547WDC-L-OME	612	VON
2	EA	PRIMUS CORE ONLY	20-740	606	SCH
2	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
2	EA	MORTISE CYLINDER	26-094	612	SCH
1	SET	ASTRAGAL	144SA 84"	AL	NGP
2	EA	SURFACE CLOSER	4021 MC	612	LCN
2	EA	MOUNTING PLATE	4020-18G	612	LCN
2	EA	OVERHEAD STOP	104S	612	GLY
2	EA	KICK PLATE	8400 8" X 35"	612	IVE
1	SET	SEALS	770SP 1/72" 2/96"	AL	ZER
2	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 72"	BRZ	NGP

FIELD-CUT AUTOMATIC DOOR BOTTOM APPROXIMATELY 4-1/2" SHORT TO AVOID ANY CONFLICT WITH THE BOTTOM VERTICAL ROD.

Hardware Group No. 112**For use on door(s):**

2201B

2212B

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA	CLASSROOM LOCK	L9070T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4011 MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 113**For use on door(s):**

2204A

2204B

2204C

2213A

2213B

2213C

3342A

3347A

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1HW 5 X 4.5	612	IVE
1	EA	CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
1	EA	CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI

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1	EA	SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA	MOUNTING PLATE	4020-18	612	LCN
1	EA	OVERHEAD STOP	104S	612	GLY
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 114

For use on door(s):

2204D	2213D	3315	3316	3343	3370
3376	4401B	4405A	4407B	4412B	5506B
5517A	5520A	5523B			

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA FIRE EXIT HARDWARE	5575L-BE-F-OME	612	VON
1	EA SURFACE CLOSER	4011 MC	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SMOKE SEALS	2525B 17'	BRN	NGP
1	EA INTUMESCENT SEALS	9890C 17' (PROVIDE IF NOT INCLUDED IN DOOR)	BLK	NGP

Hardware Group No. 115

For use on door(s):

2205	2211
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Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
8	EA HINGE	5BB1HW 5 X 4.5	612	IVE
2	EA CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
2	EA CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	SET ASTRAGAL	144SA 84"	AL	NGP
2	EA SURFACE CLOSER	4011 MC ST-1544	612	LCN
2	EA MOUNTING PLATE	4020-18	612	LCN
2	EA OVERHEAD STOP	104S	612	GLY
1	SET SEALS	770SP 1/72" 2/98"	AL	ZER
2	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 72"	BRZ	NGP

Hardware Group No. 116

For use on door(s):

2206

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	SET PIVOT SET	7255	612	IVE
1	EA STOREROOM LOCK	L9080T LLL OME L283-150	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CYLINDER PULL	90 2" X 3 3/4"	612	ROC
1	EA CONCEALED CLOSER	2033 BUMPER ST-2268	689	LCN

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1	EA	WOOD MTG. CLIP SET	2030-416	612	LCN
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	4448S 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

- 1.) THE AUTOMATIC DOOR BOTTOM WILL NEED TO BE REVERESED, SO THAT THE ENGAGEMENT OF THE ACTUATOR TAKES PLACE ON THE STRIKE JAMB IN LIEU OF THE HINGE JAMB.
- 2.) FIELD CUT THE AUTOMATIC DOOR BOTTOM TO CIRCUMVENT THE BOTTOM PIVOT.

Hardware Group No. 117 CONCEALED DOOR

For use on door(s):

2208A

2210A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	SET	PIVOT SET	612	IVE
1	EA	CLASSROOM LOCK	612	SCH
1	EA	PRIMUS CORE ONLY	606	SCH
1	EA	CYLINDER PULL	612	ROC
1	EA	CONCEALED CLOSER	612	LCN
1	EA	WOOD MTG. CLIP SET	612	LCN
1	SET	SEALS	AL	ZER
1	EA	DOOR BOTTOM	AL	NGP
1	EA	THRESHOLD	BRZ	NGP

- 1.) THE AUTOMATIC DOOR BOTTOM WILL NEED TO BE REVERESED, SO THAT THE ENGAGEMENT OF THE ACTUATOR TAKES PLACE ON THE STRIKE JAMB IN LIEU OF THE HINGE JAMB.
- 2.) FIELD CUT THE AUTOMATIC DOOR BOTTOM TO CIRCUMVENT THE BOTTOM PIVOT.

Hardware Group No. 118

For use on door(s):

3303B

3304B

3306B

3308B

3374B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
4	EA	HINGE	612	IVE
1	EA	CLASSIC PUSH PLATE	612	TRI
1	EA	CLASSIC PULL PLATE	612	TRI
1	EA	SURFACE CLOSER	612	LCN
1	EA	MOUNTING PLATE	612	LCN
1	EA	OVERHEAD STOP	612	GLY
1	SET	SEALS	AL	ZER
1	EA	DOOR BOTTOM	AL	NGP
1	EA	THRESHOLD	BRZ	NGP

Hardware Group No. 119

For use on door(s):

3311A

3312A

3373A

3374A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA	HINGE	612	IVE

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1	EA	CLASSROOM LOCK	L9070T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA	MOUNTING PLATE	4020-18	612	LCN
1	EA	OVERHEAD STOP	104S	612	GLY
1	SET	SEALS	770SP 1/36" 2/90"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 120

For use on door(s):

3310

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	OFFICE LOCK	L9050T OME L583-363	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4011	691	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
1	SET	SEALS	770SP 1/36" 2/90"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 121

For use on door(s):

3311B

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
4	EA	HINGE	5BB1HW 5 X 4.5	612	IVE
1	EA	CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
1	EA	CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	EA	SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA	MOUNTING PLATE	4020-18	612	LCN
1	EA	OVERHEAD STOP	104S	612	GLY
1	SET	SEALS	770SP 1/36" 2/90"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 122

For use on door(s):

3312B

3373B

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
4	EA	HINGE	5BB1HW 5 X 4.5	612	IVE
1	EA	CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
1	EA	CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	EA	SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA	MOUNTING PLATE	4020-18	612	LCN

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1	EA	OVERHEAD STOP	104S	612	GLY
1	SET	SEALS	770SP 1/36" 2/111"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 123

For use on door(s):

3313 3371

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	STOREROOM LOCK	L9080T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4111 SCUSH MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET	SMOKE SEALS	2525B 19'	BRN	NGP

Hardware Group No. 125 FOUR FOLDING DOORS

For use on door(s):

3321A 3321B

Provide each FLD door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
1			ALL HARDWARE BY DOOR MANUFACTURER		B/O

Hardware Group No. 126

For use on door(s):

3324B 3325B 3327B 3328B 3332B 3358B
 3360B 3362B 3363B

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1HW 5 X 4.5	612	IVE
1	EA	CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
1	EA	CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	EA	SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA	MOUNTING PLATE	4020-18	612	LCN
1	EA	OVERHEAD STOP	104S	612	GLY
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 127

For use on door(s):

3339

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	STOREROOM LOCK	L9080T OME	612	SCH

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INTERIOR ROUGH CONSTRUCTION PACKAGE P4

1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4011 MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
1	SET	SMOKE SEALS	2525B 17'	BRN	NGP

Hardware Group No. 128**For use on door(s):**

3331	3351	4404	4406	4408	4411
5510	5521	5524			

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011 MC	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 129**For use on door(s):**

3333	3342B	3352
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Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
6	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
2	EA PANIC HARDWARE	5547WDC-L-OME	612	VON
2	EA PRIMUS CORE ONLY	20-740	606	SCH
2	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
2	EA MORTISE CYLINDER	26-094	612	SCH
1	SET ASTRAGAL	144SA 84"	AL	NGP
2	EA SURFACE CLOSER	4021 MC	612	LCN
2	EA MOUNTING PLATE	4020-18G	612	LCN
2	EA OVERHEAD STOP	104S	612	GLY
2	EA KICK PLATE	8400 8" X 35"	612	IVE
1	SET SEALS	770SP 1/72" 2/84"	AL	ZER
2	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 72"	BRZ	NGP

FIELD-CUT AUTOMATIC DOOR BOTTOM APPROXIMATELY 4-1/2" SHORT TO AVOID ANY CONFLICT WITH THE BOTTOM VERTICAL ROD.

Hardware Group No. 130**For use on door(s):**

3334

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
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3	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	CLASSROOM LOCK	L9070T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4111 EDA MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 131

For use on door(s):

3340A

3349B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
4	EA HINGE	5BB1HW 5 X 4.5	612	IVE
1	EA CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
1	EA CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	EA SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA MOUNTING PLATE	4020-18	612	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	SET SEALS	770SP 1/36" 2/104"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 132

For use on door(s):

3350B	4403A	4403B	4403C	4403D	4403E
4403F	4410A	4410B	4410C	4410D	4410E
4410F	5516A	5516B	5516C	5516D	5516E
5516G	5522A	5522B	5522C	5522D	5522E
5522G					

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
4	EA HINGE	5BB1HW 5 X 4.5	612	IVE
1	EA CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
1	EA CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	EA SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA MOUNTING PLATE	4020-18	612	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	SET SEALS	770SP 1/36" 2/96"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 133

For use on door(s):

3375

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH

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1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	SURFACE CLOSER	4011 MC	612	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA	WALL STOP	WS11	612	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 134

For use on door(s):

3344 3345 5506A 5523A

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
6	EA	HINGE	5BB1HW 4.5 X 4.5	612	IVE
2	EA	PANIC HARDWARE	5547WDC-L-OME	612	VON
2	EA	PRIMUS CORE ONLY	20-740	606	SCH
2	EA	CONSTRUCTION CORE	23-030-ICX	626	SCH
2	EA	MORTISE CYLINDER	26-094	612	SCH
1	SET	ASTRAGAL	144SA 84"	AL	NGP
2	EA	SURFACE CLOSER	4021 MC	612	LCN
2	EA	MOUNTING PLATE	4020-18G	612	LCN
2	EA	KICK PLATE	8400 8" X 35"	612	IVE
2	EA	WALL STOP	WS11	612	IVE
1	SET	SEALS	770SP 1/72" 2/84"	AL	ZER
2	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 72"	BRZ	NGP

FIELD-CUT AUTOMATIC DOOR BOTTOM APPROXIMATELY 4-1/2" SHORT TO AVOID ANY CONFLICT WITH THE BOTTOM VERTICAL ROD.

Hardware Group No. 135

For use on door(s):

3347B

Provide each PR door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
6	EA	HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA	AUTO FLUSH BOLT	FB41T	630	IVE
1	EA	CLASSROOM LOCK	L9070T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	COORDINATOR	COR7G	612	IVE
1	EA	ASTRAGAL	109NBR 84"	10	NGP
2	EA	SURFACE CLOSER	4011 MC ST-1544	612	LCN
2	EA	MOUNTING PLATE	4020-18	612	LCN
2	EA	OVERHEAD STOP	104S	612	GLY
2	EA	KICK PLATE	8400 8" X 35"	612	IVE
1	SET	SEALS	770SP 1/72" 2/84"	AL	ZER
2	EA	DOOR BOTTOM	423N 36"	AL	NGP
1	EA	THRESHOLD	411 72"	BRZ	NGP

Hardware Group No. 136 ACOUSTIC DOOR & FRAME

For use on door(s):

3364 3365

PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR ROUGH CONSTRUCTION PACKAGE P4

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA PANIC HARDWARE	5547EO-LBR	612	VON
1	EA PANIC HARDWARE	5575L-OME	612	VON
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA MORTISE CYLINDER	26-094	612	SCH
1	EA COORDINATOR	COR7G	612	IVE
1	EA CARRY BAR	CB1	612	IVE
2	EA SURFACE CLOSER	4021 MC	612	LCN
2	EA MOUNTING PLATE	4020-18G	612	LCN
2	EA KICK PLATE	8400 8" X 35"	612	IVE
2	EA WALL STOP	WS11	612	IVE
2	BALANCE OF HARDWARE BY DOOR MANUFACTURER			

Hardware Group No. 137

For use on door(s):

3366A

3366B

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	SET PIVOT SET	7255	612	IVE
1	EA MANUAL FLUSH BOLT	FB358	612	IVE
1	EA DUST PROOF STRIKE	DP2	612	IVE
1	EA MORTISE DEADBOLT	L9460T L583-363	626	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CYLINDER PULL	90 2" X 3 3/4"	612	ROC
2	EA OVERHEAD STOP	414S	612	GLY
2	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 138

For use on door(s):

4401A

4405B

4407A

4412A

5505

5516F

5522F

5533A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA PANIC HARDWARE	5575L-OME	612	VON
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA MORTISE CYLINDER	26-094	612	SCH
1	EA SURFACE CLOSER	4021 MC	612	LCN
1	EA MOUNTING PLATE	4020-18G	612	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 139

For use on door(s):

5501A 5537A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
4	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA CLASSIC PUSH PLATE	50 3/8" X 3-3/4" X 15"	612	TRI
1	EA CLASSIC PULL PLATE	51 3/8" X 3-3/4" X 15"	612	TRI
1	EA SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA MOUNTING PLATE	4020-18	612	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	SET SEALS	770SP 1/36" 2/102"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 140

For use on door(s):

5501B 5537B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA PANIC HARDWARE	5575L-OME	612	VON
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA MORTISE CYLINDER	26-094	612	SCH
1	EA SURFACE CLOSER	4021 MC	612	LCN
1	EA MOUNTING PLATE	4020-18G	612	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SEALS	770SP 1/36" 2/90"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 141

For use on door(s):

5520B

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	612	IVE
1	EA PANIC HARDWARE	5575L-OME	612	VON
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CONSTRUCTION CORE	23-030-ICX	626	SCH
1	EA MORTISE CYLINDER	26-094	612	SCH
1	EA SURFACE CLOSER	4011 MC	612	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	EA WALL STOP	WS11	612	IVE
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	423N 36"	AL	NGP
1	EA THRESHOLD	411 36"	BRZ	NGP

Hardware Group No. 142

For use on door(s):

5542 5543

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	612	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA SURFACE CLOSER	4011 MC ST-1544	612	LCN
1	EA MOUNTING PLATE	4020-18	612	LCN
1	EA OVERHEAD STOP	104S	612	GLY
1	EA KICK PLATE	8400 8" X 34-1/2"	612	IVE
1	SET SMOKE SEALS	2525B 17'	BRN	NGP

Hardware Group No. 143

For use on door(s):

6601 6602 6605

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA STOREROOM LOCK	L9080T OME	626	SCH
1	EA PRIMUS CORE ONLY	20-740	626	SCH
1	EA SURFACE CLOSER	4011	689	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	630	IVE
1	EA WALL STOP	WS11	626	IVE
1	SET SMOKE SEALS	2525B 17'	BRN	NGP

Hardware Group No. 144

For use on door(s):

6603A

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA CLASSROOM LOCK	L9070T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	626	SCH
1	EA SURFACE CLOSER	4011	689	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	630	IVE
1	EA WALL STOP	WS11	626	IVE
1	SET SMOKE SEALS	2525B 17'	BRN	NGP

Hardware Group No. 145

For use on door(s):

6603B 6604

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	652	IVE

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1	EA	STOREROOM LOCK	L9080T OME	626	SCH
1	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	SET	SMOKE SEALS	2525B 17'	BRN	NGP

Hardware Group No. 146

For use on door(s):

7701A 7702A

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	CLASSROOM LOCK	L9070T OME	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	630	IVE
1	EA	WALL STOP	WS11	626	IVE
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	422N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	AL	NGP

Hardware Group No. 147

For use on door(s):

7701B

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	L9080T OME	626	SCH
1	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	422N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	AL	NGP

Hardware Group No. 148

For use on door(s):

7702B

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	L9080T OME	626	SCH
1	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	SURFACE CLOSER	4011 ST-1544	689	LCN
1	EA	MOUNTING PLATE	4020-18	689	LCN
1	EA	OVERHEAD STOP	904S	630	GLY
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	422N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	AL	NGP

Hardware Group No. 149

For use on door(s):

7702C

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA STOREROOM LOCK	L9080T OME	626	SCH
1	EA PRIMUS CORE ONLY	20-740	626	SCH
1	EA SURFACE CLOSER	4111 SCUSH	689	LCN
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	422N 36"	AL	NGP
1	EA THRESHOLD	411 36"	AL	NGP

Hardware Group No. 150

For use on door(s):

7703

7704

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	626	SCH
1	EA SURFACE CLOSER	4011	689	LCN
1	EA WALL STOP	WS11	626	IVE
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	422N 36"	AL	NGP
1	EA THRESHOLD	411 36"	AL	NGP

Hardware Group No. 151

For use on door(s):

7705

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA PASSAGE SET	L9010 OME	626	SCH
1	EA SURFACE CLOSER	4011	689	LCN
1	EA KICK PLATE	8400 8" X 34-1/2"	630	IVE
1	EA WALL STOP	WS11	626	IVE
1	SET SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA DOOR BOTTOM	422N 36"	AL	NGP
1	EA THRESHOLD	411 36"	AL	NGP

Hardware Group No. 152

For use on door(s):

7706

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
3	EA HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA PRIVACY SET	L9040 OME L583-363	626	SCH

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1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	KICK PLATE	8400 8" X 34-1/2"	630	IVE
1	EA	WALL STOP	WS11	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 153

For use on door(s):

7701E

7702D

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	L9080T OME	626	SCH
1	EA	PRIMUS CORE ONLY	20-740	626	SCH
1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	WALL STOP	WS11	626	IVE
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	422N 36"	AL	NGP
1	EA	THRESHOLD	411 36"	AL	NGP

Hardware Group No. 154

For use on door(s):

1172

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
1	SET	PIVOT SET	7255	612	IVE
1	EA	STOREROOM LOCK	L9080T LLL OME L283-150	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	CYLINDER PULL	90 2" X 3 3/4"	612	ROC
1	EA	CONCEALED CLOSER	2033 ST-2268	612	LCN
1	EA	WOOD MTG. CLIP SET	2030-416	612	LCN
1	EA	WALL STOP	WS11	612	IVE
1	SET	SEALS	770SP 1/36" 2/84"	AL	ZER
1	EA	DOOR BOTTOM	4448S 36"	AL	NGP
1	EA	THRESHOLD	411 36"	BRZ	NGP

1.) THE AUTOMATIC DOOR BOTTOM WILL NEED TO BE REVERESED, SO THAT THE ENGAGEMENT OF THE ACTUATOR TAKES PLACE ON THE STRIKE JAMB IN LIEU OF THE HINGE JAMB.

2.) FIELD CUT THE AUTOMATIC DOOR BOTTOM TO CIRCUMVENT THE BOTTOM PIVOT.

Hardware Group No. 155

For use on door(s):

3305

Provide each SGL door(s) with the following:

Quantity		Description	Model Number	Finish	Mfr
1	SET	PIVOT SET	7255	612	IVE
1	EA	CLASSROOM LOCK	L9076T LLL OME L283-150	612	SCH
1	EA	PRIMUS CORE ONLY	20-740	606	SCH
1	EA	CYLINDER PULL	90 2" X 3 3/4"	612	ROC
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 156

For use on door(s):

3326 3361

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	SET PIVOT SET	7255	612	IVE
1	EA STOREROOM LOCK	L9080T LLL OME L283-150	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CYLINDER PULL	90 2" X 3 3/4"	612	ROC
1	EA WALL STOP	WS11	612	IVE

- 1.) THE AUTOMATIC DOOR BOTTOM WILL NEED TO BE REVERESED, SO THAT THE ENGAGEMENT OF THE ACTUATOR TAKES PLACE ON THE STRIKE JAMB IN LIEU OF THE HINGE JAMB.
- 2.) FIELD CUT THE AUTOMATIC DOOR BOTTOM TO CIRCUMVENT THE BOTTOM PIVOT.

Hardware Group No. 158

For use on door(s):

5541 5544

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	SET PIVOT SET	7255	612	IVE
1	EA CLASSROOM LOCK	L9076T LLL OME L283-150	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH
1	EA CYLINDER PULL	90 2" X 3 3/4"	612	ROC
1	EA CONCEALED CLOSER	2033 H BUMPER ST-2268	612	LCN
1	EA WOOD MTG. CLIP SET	2030-416	612	LCN
3	EA SILENCER	SR64	GRY	IVE

Hardware Group No. 159

For use on door(s):

AC101 AC102 AC119 AC120

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA CONTINUOUS HINGE	112HD 86"	SPL	IVE
1	EA ROLLER LATCH	RL30 (LOCK EDGE MOUNT)	612	IVE
1	EA DOOR PULL	8111-5	612	IVE

Hardware Group No. 160

For use on door(s):

AC117 AC118

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA CONTINUOUS HINGE	112HD 98"	SPL	IVE
1	EA ROLLER LATCH	RL30 (LOCK EDGE MOUNT)	612	IVE
1	EA DOOR PULL	8111-5	612	IVE

Hardware Group No. 161

For use on door(s):

AC213 AC214

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA CONTINUOUS HINGE	112HD 134"	SPL	IVE
1	EA ROLLER LATCH	RL30 (LOCK EDGE MOUNT)	612	IVE
1	EA DOOR PULL	8111-5	612	IVE

Hardware Group No. 162

For use on door(s):

AC301 AC302 AC303 AC304

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	EA CONTINUOUS HINGE	112HD 124"	SPL	IVE
1	EA ROLLER LATCH	RL30 (LOCK EDGE MOUNT)	612	IVE
1	EA DOOR PULL	8111-5	612	IVE

Hardware Group No. 163

For use on door(s):

AC401 AC402 AC403 AC404

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	EA CONTINUOUS HINGE	112HD 120"	SPL	IVE
1	EA ROLLER LATCH	RL30 (LOCK EDGE MOUNT)	612	IVE
1	EA DOOR PULL	8111-5	612	IVE

Hardware Group No. 164

For use on door(s):

AC405 AC406

Provide each SGL door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
2	EA CONTINUOUS HINGE	112HD 104"	SPL	IVE
1	EA ROLLER LATCH	RL30 (LOCK EDGE MOUNT)	612	IVE
1	EA DOOR PULL	8111-5	612	IVE

Hardware Group No. 165 ACOUSTIC DOOR & FRAME

For use on door(s):

B056

Provide each PR door(s) with the following:

Quantity	Description	Model Number	Finish	Mfr
1	SET CONST LATCHING BOLT	FB52	612	IVE
1	EA STOREROOM LOCK	L9080T OME	612	SCH
1	EA PRIMUS CORE ONLY	20-740	606	SCH

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1	EA	COORDINATOR	COR7G	612	IVE
2	EA	SURFACE CLOSER	4021	691	LCN
2	EA	MOUNTING PLATE	4020-18G	691	LCN
2	EA	OVERHEAD STOP	904S-J	612	GLY
1			BALANCE OF HARDWARE BY DOOR MANUFACTURER		

END OF SECTION

EXHIBIT 'A' – PROJECT 3D MODEL/DRAFTING REQUIREMENTS

PART 1 - GENERAL MODELING REQUIREMENTS

- A. All Prime Contractors shall provide the Construction Manager with a 3D computer model of their respective work scope in a format compatible with Autodesk software. Formats other than .DXF or .DWG shall be verified with Construction Manager for compatibility prior to bid. Compatibility shall be maintained through the duration of the project.
- B. The 3D model shall provide a complete representation of all work as an intelligent object or solid element and shall be compatible with NavisWorks for clash detection purposes.
- C. The 3D model shall be located and oriented to the pre-determined world coordinates for the Project. All Prime Contractors are responsible for ensuring their work is at the appropriate X, Y & Z coordinates to allow for coordination across disciplines. The X, Y, Z coordinate will be provided to the successful bidders by the Construction Manager.
- D. The 3D model shall be dimensionally accurate using unit settings that match those indicated on the Contract Documents.
- E. All Prime Contractors shall actively participate in the 3-D modeling process and work in concert wherein all relevant information shall be captured for use in constructing the work. Coordination considerations and process are discussed more specifically in each section.
- F. The 3D model shall be transmitted to the Construction Manager with consistent file naming convention. For example: date (yyyymmdd) – contractor initials – SCOPE.dwg (example: 2007nov16-SSC-PLUMB.dwg)
- G. Further modeling requirements and scopes are outlined in section 4 of this document
- H. The 3D modeling requirements in this section do not relieve the contractor of other requirements for submittals, as-builts, close-out, etc... as noted elsewhere in the Contract Documents.
- I. The Construction Manager will have a 3D model of the building and structural steel available upon request as a background for all Prime Contractors use in building its respective 3D model.

PART 2 - SCHEDULE REQUIREMENTS

- A. Prime Contractors shall begin the 3D modeling process immediately upon the issuance of the Notice to Proceed.
 - 1. The first submission for the model with the Prime Contractor's complete scope of work shall be submitted to the Construction Manager by October 22, 2008.
 - a. Models showing progress shall be transmitted to the Construction Manager upon request prior to this date to allow insertion and coordination prior to final model.

PART 3 - TRADE SCOPE REQUIREMENTS

- A. The Prime Contractor shall deliver a 3D computer model that is complete. Any elements not included will become the Prime Contractor's responsibility to coordinate in the field at no additional cost and reimburse the Owner for the cost of other trades rework.
- B. The Prime Contractor shall provide a list of minimum typical clearances for all model components.
- C. Coordination procedure:

1. Prime Contractor shall be prepared to accommodate weekly meetings to resolve model conflicts and sign off on a 'Master Model' to be considered the basis for construction on an area and floor by floor basis consistent with the Project Schedule.
 2. The Construction Manager will provide a clash detection report to accommodate the above.
 3. The 3D models submitted by the Prime Contractors for overall coordination are required to be checked and coordinated with the structure, architectural components and the Prime Contractor's own work prior to submittal. At a minimum, the model shall be pre-coordinated by the Prime Contractor to avoid: Clashes with structure, other MEP systems, walls, ceiling systems, and enclosure.
 4. The 3D Model shall include access areas for equipment – included as a modeled element such that clash detection and coordination can be accommodated relating to access.
 5. Coordinated submittal data shall be distributed on a weekly basis, and 3 days prior to coordination meetings.
 6. Penetration through building systems such as cast-in-place concrete, precast concrete, fire and acoustic walls and CMU walls shall be identified in the subcontractor's model by means of a modeled sleeve or a mass opening where groups of pipes or conduits penetrate the wall (with a defined tolerance).
 7. The coordination 3D model shall include, at a minimum: all systems and components modeled to a level-of-detail consistent with objects represented by a 1/8" plan/elevation/section drawing or as detailed below. The Construction Manager reserves the right to request more detail required.
- D. Following 100% coordination and agreement on a 'Master Model', the Prime Contractor agrees to be responsible for locating their respective components within an agreed tolerance based upon the 'Master Model'.
1. Any variation beyond the agreed tolerance must be coordinated with the Construction Manager and other Prime Contractors first.
 2. Components that are installed in conflict with the model layout and create obstacles or additional work for other disciplines shall require one of the following: a) removal and reinstallation per the "Master Model", or b) monetary compensation to the affected party.
- E. Model Management
1. Update/Maintenance of Electronic Data/3D Model throughout construction shall include but not be limited to:
 - a. Incorporation of RFI's
 - b. Incorporation of ASI's, CD's, CCD's, etc.
 - c. Submittal comments and revisions on approved shop drawings.
 - d. As-built field modifications.
 - e. Prime Contractor to provide Construction Manager with an updated model bi-weekly, or more often if required, throughout the installation of the Work.
- F. A detailed schedule for coordination modeling time frames and the sequencing for the floor plates are to be coordinated with the project schedule and Construction Manager.

PART 4 - ADDITIONAL 3D MODELING REQUIREMENTS

- A. The 3-D model and layering convention shall be the Prime Contractor's standard with the Construction Managers input to best suit the project. This will be discussed at the coordination kickoff meeting.

- B. The Prime Contractor shall have available for coordination meetings a representative that is a fully trained user of the project's 3D model software.
- C. The Prime Contractor shall submit its proposed 3-D modeling software and a sample model for approval prior to proceeding with detailing. This shall occur within 7 days of the notice to proceed.
- D. The Prime Contractor is responsible for obtaining the information and generating the models for all systems and components to a level-of-detail consistent with a 1/8" plan/elevation/section drawing or more detail as noted below.
- E. The Prime Contractors are responsible for insuring their submitted models meet all the stated requirements. Though the Construction Manager is committed to supporting the process of 3D coordination, it is the Prime Contractor's duty to rectify any issues stemming from lack of interoperability or modeling inaccuracy.

PART 5 - MODEL SCOPE

- A. In general, the scope of work is to create a technically accurate and highly detailed 3D computer model of the fire protection, HVAC piping and sheet metal, plumbing, electrical, fire alarm, theater equipment, production lighting and sound & communication scopes of work.
- B. Extent of model
 - 1. The building computer model (in plan view) shall extend to five feet beyond the exterior walls of the building.
 - 2. Vertically, the model shall extend from the lowest extent of the Prime Contractor's work scope up through (and including) the highest extent of the Prime Contractor's work scope.
 - 3. To the extent that the scope includes building systems, those systems shall be included to the full horizontal and vertical extents of the model including underground utilities and roof-top mounted items.
- C. Systems Modeled and Level of Detail
 - 1. The level of detail defined in each section below is the minimum level of detail required in the model. Greater detail than the minimum shall be incorporated in the model whenever possible.
- D. Receivables
 - 1. At the end of the project, all design and construction modifications shall be incorporated into the model to clearly represent the as-built conditions of the Project.
 - 2. The Prime Contractor shall provide 2 copies of the electronic version of the model to the Construction Manager no later than 60 days after building acceptance. This does not relieve the Prime Contractor of all other close-out/as-built requirements indicated elsewhere in the Contract Documents.
- E. BID PACKAGE 4050 – GENERAL TRADES ITEM 'f' – ELEVATORS
 - 1. Elevator shaft clear space shall be modeled as to the clear width, depth and height
 - 2. Elevator cabs shall be modeled. Finishes are not required.
 - 3. Nominal elevator cab size and overrun shall be modeled, including hoist beam.
 - 4. All equipment shall be modeled to its overall height, width and depth. When available from the equipment manufacturer, actual equipment models shall be placed in the model.

5. Equipment access zones shall be modeled.
6. Fittings and connections are not required to be modeled.
7. Any and all piping associated with the elevator system/equipment shall be modeled.
8. All sleeves shall be modeled.
9. Pipes shall be modeled to the outside diameter of the pipe or pipe insulation (whichever is greater).
10. Specific dimensional location of the elevator system/equipment and piping may not be included in the construction documents. To the extent that location can be determined from the construction documents, the model will reflect that location.
11. The intent of this model is to show the elevator system, equipment, etc. in as true representation of the actual condition at construction completion.

F. BID PACKAGE 4280 – FIRE PROTECTION

1. Complete Fire Protection work scope, including all components and equipment shall be modeled.
2. All equipment shall be modeled to its overall height, width and depth. When available from the equipment manufacturer, actual equipment models shall be placed in the model.
3. Pipes shall be modeled to the outside diameter of the pipe or the pipe insulation, whichever is greater.
4. Pipe slope shall be incorporated in the model.
5. Fittings and connections are not required to be modeled.
6. Specific dimensional location of piping is often not included in the design documents. To the extent the location can be determined from the design documents; the model will reflect that location.
7. All valves and clean outs shall be modeled.
8. Pipe support/rack systems shall be modeled. This does not include the grillage indicated on the structural drawings.
9. All sleeves shall be modeled.
10. Housekeeping pads, equipment frames, bases curbs, isolators and isolation devices, etc... shall be modeled.
11. Access panels shall be modeled by others in coordination with this Prime Contractor.
12. Access zones shall be modeled.

G. BID PACKAGE 4290 – PLUMBING

1. Complete Plumbing work scope, including all components and equipment shall be modeled. This includes the storm main from 5' outside the building to and including the sump pit and equipment.

2. All equipment shall be modeled to its overall height, width and depth. When available from the equipment manufacturer, actual equipment models shall be placed in the model.
3. Pipes shall be modeled to the outside diameter of the pipe or the pipe insulation, whichever is greater.
4. Pipe slope shall be incorporated in the model.
5. Fittings and connections are not required to be modeled.
6. Specific dimensional location of piping is often not included in the design documents. To the extent the location can be determined from the design documents; the model will reflect that location.
7. All valves and clean outs shall be modeled.
8. Pipe support/rack systems shall be modeled. This does not include the grillage indicated on the structural drawings.
9. Housekeeping pads, equipment frames, bases curbs, isolators and isolation devices, etc... shall be modeled.
10. Access panels shall be modeled by others in coordination with this Prime Contractor.
11. Access zones shall be modeled.

H. BID PACKAGE 4300 – HVAC PIPING

1. Complete HVAC Piping work scope including all components and equipment shall be modeled.
2. All equipment shall be modeled to its overall height, width and depth. When available from the equipment manufacturer, actual equipment models shall be placed in the model.
3. Pipes shall be modeled to the outside diameter of the pipe or the pipe insulation, whichever is greater.
4. Pipe slope shall be incorporated in the model.
5. Fittings and connections are not required to be modeled.
6. Specific dimensional location of piping is often not included in the design documents. To the extent the location can be determined from the design documents; the model will reflect that location.
7. All valves and clean outs shall be modeled.
8. Pipe support/rack systems shall be modeled. This does not include the grillage indicated on the structural drawings.
9. Housekeeping pads, equipment frames, bases curbs, isolators and isolation devices, etc... shall be modeled.
10. Access panels shall be modeled by others in coordination with this Prime Contractor.
11. Access zones shall be modeled.

I. BID PACKAGE 4310 – HVAC SHEET METAL

1. Complete HVAC Sheet Metal work scope including all components and equipment shall be modeled.
2. All equipment shall be modeled to its overall height, width and depth. When available from the equipment manufacturer, actual equipment models shall be placed in the model.
3. Pipes shall be modeled to the outside diameter of the pipe or the pipe insulation, whichever is greater.
4. Ducts shall be modeled to the outside face dimension of the duct or the duct insulation, whichever is greater.
5. Duct and pipe support/rack systems shall be modeled. This does not include the grillage indicated on the structural drawings.
6. Pipe slope shall be incorporated in the model.
7. Fittings and connections are not required to be modeled.
8. Specific dimensional location of piping is often not included in the design documents. To the extent the location can be determined from the design documents; the model will reflect that location.
9. All valves and clean outs shall be modeled.
10. Housekeeping pads, equipment frames, bases curbs, isolators and isolation devices, etc... shall be modeled.
11. Access panels shall be modeled by others in coordination with this Prime Contractor.
12. Access zones shall be modeled.

J. BID PACKAGE 4320 – ELECTRICAL

1. Complete Electrical work scope including all components, fixtures and equipment shall be modeled. This includes all power feeds to this Prime Contractor's and other Prime Contractor's equipment.
2. All equipment shall be modeled to its overall height, width and depth. When available from the equipment manufacturer, actual equipment models shall be placed in the model.
3. Conduits shall be modeled to the outside diameter of the pipe or the pipe insulation, whichever is greater.
4. Conduit support systems/racks shall be modeled.
5. Light fixture locations and space requirements shall be modeled. Light fixtures that hang below the finished ceiling or mount on the exterior of finished walls are not required to be modeled. The model shall, however, show the box, mounting location and any space requirements around these fixtures.
6. Pipe/conduit slope shall be incorporated in the model.
7. Fittings and connections are not required to be modeled.
8. Specific dimensional location of conduits/piping is often not included in the design documents. To the extent the location can be determined from the design documents; the model will reflect that location.

9. Cable tray and all raceways shall be modeled.
10. Housekeeping pads, equipment frames, bases curbs, isolators and isolation devices, etc... shall be modeled.
11. Access panels shall be modeled by others in coordination with this Prime Contractor.
12. Access zones shall be modeled.

K. BID PACKAGE 4330 – FIRE ALARM

1. Complete Fire Alarm work scope including all components, fixtures and equipment shall be modeled. This includes all feeds/connections to this Prime Contractor's and other Prime Contractor's equipment.
2. All equipment shall be modeled to its overall height, width and depth. When available from the equipment manufacturer, actual equipment models shall be placed in the model.
3. Conduits shall be modeled to the outside diameter of the pipe or the pipe insulation, whichever is greater.
4. Conduit support systems/racks shall be modeled.
5. Pipe/conduit slope shall be incorporated in the model.
6. Fittings and connections are not required to be modeled.
7. Specific dimensional location of conduits/piping is often not included in the design documents. To the extent the location can be determined from the design documents; the model will reflect that location.
8. Cable tray and all raceways shall be modeled.
9. Housekeeping pads, equipment frames, bases curbs, isolators and isolation devices, etc... shall be modeled.
10. Access panels shall be modeled by others in coordination with this Prime Contractor.
11. Access zones shall be modeled.

L. BID PACKAGE 5170 – THEATER EQUIPMENT PACKAGE 1 (TRUSSES, RIGGING, CURTAINS AND CONTROLS)

1. Complete Theater Equipment Package 1 work scope including all components, fixtures and equipment shall be modeled. This includes, but is not limited to all hangers, secondary support steel, rigging lines and equipment, trusses, acoustic curtain track assemblies, pocket door actuators, cable reels and cabling, electrical connections, all conduits and etc... indicated and/or necessary for this work scope.
2. Clearance areas shall be modeled as a semi-transparent object. This includes all plan, code and maintenance clearance requirements around equipment, panels or etc...

M. BID PACKAGE 6010 – PRODUCTION LIGHTING SYSTEM

1. All items installed as a part of this bid package enclosed by a wall, ceiling or other such enclosed condition shall be modeled.
2. All equipment shall be modeled to its overall height, width and depth. When available from the equipment manufacturer, actual equipment models shall be placed in the model.

3. Housekeeping pads, equipment frames, bases curbs, isolators and isolation devices, etc...shall be modeled.
4. Conduits shall be modeled to the outside diameter of the pipe or the pipe insulation, whichever is greater.
5. Conduit support systems/racks shall be modeled.
6. Fixture locations and space requirements shall be modeled. Fixtures that hang below the finished ceiling or mount on the exterior of finished walls are not required to be modeled. The model shall, however, show the box, mounting location and any space requirements around these fixtures.
7. Access zones shall be modeled.
8. Clearance areas shall be modeled as a semi-transparent object. This includes all plan, code and maintenance clearance requirements around equipment, panels or etc...

N. BID PACKAGE 6020 – PRODUCTION SOUND AND COMMUNICATION SYSTEMS

1. All items installed as a part of this bid package enclosed by a wall, ceiling or other such enclosed condition shall be modeled.
2. All equipment shall be modeled to its overall height, width and depth. When available from the equipment manufacturer, actual equipment models shall be placed in the model.
3. Housekeeping pads, equipment frames, bases curbs, isolators and isolation devices, etc...shall be modeled.
4. Conduits shall be modeled to the outside diameter of the pipe or the pipe insulation, whichever is greater.
5. Conduit support systems/racks shall be modeled.
6. Fixture/Speaker locations and space requirements shall be modeled. Fixtures/Speakers that hang below the finished ceiling or mount on the exterior of finished walls are not required to be modeled. The model shall, however, show the box, mounting location and any space requirements around these fixtures.
7. Access zones shall be modeled.
8. Clearance areas shall be modeled as a semi-transparent object. This includes all plan, code and maintenance clearance requirements around equipment, panels or etc...

END OF SECTION

**PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR FINISHES PACKAGE P5
Addendum #4 – Questions and Answers**

1. **Question:** Several sill details are blank on sheet A5.61 Door details. Are they applicable? Please clarify.
Answer: The blank details are not applicable.
2. **Question:** Will material hoists or elevators be available to lift materials between the floor levels?
Answer: Elevators 1, 2 & 4 will be operational for construction use for 12 months prior to substantial completion.
3. **Question:** Spec section 11 61 23 (orchestra risers) makes reference in parts 1.1, A, 5 and 2.2, A, 1 that the wood flooring planks for the orchestra risers are to be provided by the wood flooring contractor for installation by the orchestra risers contractor. In reviewing the scopes, I see no reference to the orchestra wood planks in the wood flooring contractor's scope.
Answer: Bid Package 5120 – Wood Flooring shall coordinate, furnish, install and finish the wood flooring planks for the orchestra risers that are furnished and installed by Bid Package 5190 – Orchestra Risers.
4. **Question:** Will an alternate to combine Bid Package 5170 – Theater Equipment Package 1, Bid Package 5180 – Theater Equipment Package 2, Bid Package 5190 – Orchestra Risers and Bid Package 5200 – Fixed Audience Seating be allowed?
Answer: Yes, see reissued 01 21 05 section.
5. **Question:** Refer to 15/A9.80, Locker base. Please confirm the finish: Plam, painted or transparent finish?
Answer: The entire base is to be a painted finish.
6. **Question:** Refer to 21/A5.39, please provide details for the casing around the windows. And please clarify in which alternate this item is included?
Answer: Refer to detail 12/A405. Casing is to be similar to Casing "A" (as depicted on A9.01), but with a sill section.
7. **Question:** Please clarify location of the following items from A9.06: Crown 7, Crown 13, Band 4, Band 5, Band 8, Band 9a, Band 9b, Band 9, Band 10, Band 11, Band 12.
Answer: Locations are depicted in drawing elevations, sections, and details. It is the responsibility of the bidder to review all documents to determine locations, quantities, etc. based upon documents provided.
8. **Question:** Please clarify the origination of the following details: 10/A9.30, 20/A9.33, 36-37/A9.35 & 14, 19, 25, 28, 25/A9.36
Answer: 10/A9.30 – Refer to sheet A6.72
20/A9.33 – The section detail in detail 4/A5.12 should refer to 20/A9.33.
36-37/A9.35 – Refer to detail 9/A5.22 and similar details.
14,19,25,28/A9.36 related to the operable panel wall between rooms Donor Amenity 321 and 322/ 320 and 321.
9. **Question:** Please clarify which alternate detail 27/A5.16 applies to.
Answer: Refer to revised section 01 23 05 Alternate No. 12.
10. **Question:** What are the finishes on the following stairs: Stair 1 – 8, 20, 21, 23, 24 & the steps in corridor 520? Do these stairs get rubber treads?
Answer: Stairs 1-4,7,8 are to have a stained concrete finish with applied traction strips

**PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR FINISHES PACKAGE P5
Addendum #4 – Questions and Answers**

Stair 5,6 – Are have steel grating treads and no risers.

Stair 20 – Finish is to match that of room 102 with applied traction strips

Stair 21 – Finish is to match that of room 131 with applied traction strips.

Stair 23, 24 – Supplied as part of raised floor system with finish matching that of the raised floor system.

11. **Question:** We are confused by the wording alternates #13 & #14! Please clarify by room number which rooms shall be included in those alternates.

Answer: These alternates have been deleted and moved to Base Bid.

12. **Question:** In Alternate 17a and 17b are the room numbers correct? Should Room #323 actually be #320?

Answer: Yes, these room numbers have been revised as part of the reissued 01 23 05.

13. **Question:** Please advise if there are 5 section of curved guardrail around the East lobby opening shown on A2.69 or 8 sections. Plan views show 8 and elevations indicate 5.

Answer: Yes, there are to be 8 sections of curved guardrail. The elevations for this were clarified in Addendum #3.

14. **Question:** We are an out-of-town specialty contractor. Based on your current schedule when & how often would you require our project manager to be on site for progress meetings?

Answer: Per Specification 01 73 00 a full time on-site Project Manager is required for all trades.

15. **Question:** Has a 3-D model for the ceiling space been created by other trades for our use, or should we plan on modeling the entire space (structure)?

Answer: You are only required to model your work scope. The building structure is already modeled.

16. **Question:** Exhibit “A” calls for a first submission for the model to be submitted to the construction manager by October 1, 2008. Based on the delay of the bid, and the award period, what will the new requirement for this date be?

Answer: This date shall be extended to October 22, 2008.

17. **Question:** Again, since we are an out-of-town contractor are conference calls for weekly 3D coordination acceptable, and if not, how many should we plan on attending prior to completion of “master model”?

Answer: Anticipate your 3D modeling “guru” and Superintendent OR Project Manager attending the 3D coordination meetings bi-weekly from November 2008 through June 2009. Conference call will be acceptable for additional meetings.

18. **Question:** Section 11 61 24-4 item C.4 asks for an alternate that is not on the bid form. Please advise.

Answer: This alternate has been deleted.

19. **Question:** Section 11 61 25-5 item D.2 asks for an alternate that is not on the bid form. Please advise.

Answer: This alternate has been deleted.

20. **Question:** Sections 11 61 24 & 11 61 25. Please confirm that finish wood and wood finish is by others to match other flooring

Answer: Yes, the finish wood and wood finish are to match adjacent finishes. Wood flooring is to be provided and installed by BP 5120 – Wood Flooring.

21. **Question:** Redirection of Question #68 of Addendum #3. If there is a walk surface attached to the top of the Acoustic Canopy Space Frames, What are the estimated dead loads and live loads that were

**PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR FINISHES PACKAGE P5**

Addendum #4 – Questions and Answers

used to design the catwalks of Bid Package #3 as they relate to the Acoustic canopies, since this contractor was not involved with bid package #3 that information is unknown to this bidder? This information is also required to help answer Addendum #3 question #4.

Answer: The aforementioned catwalk is NOT located on top of the spaceframe. It is suspended independently off the attic floor and concealed within the large architectural beam at the rear of the auditorium.

22. **Question:** Assuming a walk surface does in fact attach to the top of the space frames and even though the space frame supplier will not be providing the walk surface itself, it appears from the specifications that the space frame supplier will be responsible to accommodate the live loads as well as the dead loads of the catwalk therefore needs to know, What is the specific design? Which nodes does this attach to? What materials are being used? What are the attachment requirements and what do these details look like? This information along with load information of previous question is required for accurate pricing of the space frame and rigging hoists and control units.

Answer: As noted in question 21, the catwalk does not attach to the space frame.

23. **Question:** Need to know if the carpet will have a pattern and if so what size? The pattern size could significantly change the bid quantities of carpet and the drawings state the pattern is “TBD”.

Answer: All carpeting is to be based upon the material allowance pricing stated in documents. Assume that the carpet will have small patterning and that there will not be any large patterning which would necessitate significant amounts of waste.

24. **Question:** Specification 09 68 00 calls for pad at the carpet, but does not indicate if a pad is installed under all carpet or only certain areas. Please clarify

Answer: Assume all front of house carpet shall have a pad.

25. **Question:** Specification 09 68 00 calls for three (3) different types of installation for carpet. Please indicate which system is used where?

Answer: Assume all back of house carpet (CP2) is direct glue and all front of house carpet (CP1a and CP1b) shall be attached cushion or be stretch in.

26. **Question:** Bid Package 5070 – Custom Casework work scope does not indicate sealants as the responsibility of this bid package. Shall this bid package provide sealants for their own work? Please indicate which bid package provides this sealant if not.

Answer: Bid Package 5070 – Custom Casework shall furnish and install all sealants/caulking required for the work scope in Bid Package 5070.

27. **Question:** The answer to question #75 in Addendum #3 indicates that all the parapet rail in the auditorium is to be bronze. Does this mean the support posts or just the top rail?

Answer: The support posts and rail are to be bronze.

28. **Question:** Addendum #3, Question #21 indicates there will be a detail provided or indicated for the benches in Chorus Locker Room #344. This information does not appear to be provided in the Addendum. Please clarify

Answer: Bench is to be similar to detail 15/A9.80, but with solid seat extending over to back of adjacent locker.

29. **Question:** Addendum #3, Question #30 indicates the stainless toilet partitions will be clarified. This does not appear to be clarified. Please advise.

Answer: The stainless steel toilet partitions are to be supplied in lieu painted as part of alternate #9.

**PARCEL 7A, REGIONAL PERFORMING ARTS CENTER
INTERIOR FINISHES PACKAGE P5**

Addendum #4 – Questions and Answers

30. **Question:** Addendum #3, Question #64 states a revised detail will be provided for the benches indicated in 11/A5.41. There does not appear to be a revised detail for this in Addendum #3. Please advise.

Answer: Bench is to be similar to detail 15/A9.80, but with solid seat extending over to back of adjacent locker.

31. **Question:** Addendum #3, Q & A #66, states that the door hardware for the wood storefront doors are in addendum 3. I cannot locate this information in the Addendum. Please clarify.

Answer: Door hardware was mistakenly left out of Addendum #3. Hardware has been included as part of Addendum #4.

EXHIBIT 'B' - CONSTRUCTION SCHEDULE

DESCRIPTION	START	FINISH
CORE AND SHELL MILESTONES		
Foundation Construction	1st Quarter 2008	3rd Quarter 2008
Slab on Grade Construction	2nd Quarter 2008	3rd Quarter 2008
Slab on Deck Construction	3rd Quarter 2008	4th Quarter 2008
Acoustic Slab Construction	2nd Quarter 2008	3rd Quarter 2008
Elevator Shaft Construction	2nd Quarter 2008	3rd Quarter 2008
Structural Steel Erection & Detailing (North to South)	2nd Quarter 2008	4th Quarter 2008
Precast Construction (Elevation 49'-7")	4th Quarter 2008	1st Quarter 2009
Precast Construction (Elevation 79'-0")	4th Quarter 2008	1st Quarter 2009
Precast Construction (Elevation 98'-0")	1st Quarter 2009	1st Quarter 2009
CMU Masonry Enclosure Construction	4th Quarter 2008	1st Quarter 2009
Limestone Cladding Construction	4th Quarter 2008	1st Quarter 2009
Limestone Cladding (Alternate) Construction	1st Quarter 2009	2nd Quarter 2009
Window System Construction	1st Quarter 2009	2nd Quarter 2009
Roofing Construction	1st Quarter 2009	2nd Quarter 2009
Stucco Construction	1st Quarter 2009	2nd Quarter 2009
Building enclosed/dried in		April 1, 2009
Freight Elevator Operational		2nd Quarter 2009
Elevator 1 & 2 Operational		3rd Quarter 2009
Exterior Ornamental Rails	4th Quarter 2008	2nd Quarter 2009
INTERIOR & REMAINING MILESTONES		
Interior Masonry Completion		1st Quarter 2009
Auditorium Platform Scaffolding - Erected/ Ready for Use	January 1, 2009	
Auditorium Platform Scaffolding - Dismantled and Removed		January 1, 2010

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 INTERIOR FINISHES PACKAGE P5

EXHIBIT 'B' - 2

All Finishes Accessible by Platform Scaffolding Completed		December 15, 2009
Framing / GWB / Plaster - Auditorium Completion		4th Quarter 2009
Framing / GWB / Plaster - Areas Outside of Auditorium Completion		4th Quarter 2009
Underslab Rough-ins Start	1st Quarter 2008	
Slab on deck Rough-ins Start	3rd Quarter 2008	
AHU System Start-up for Temporary Heating and Cooling		May 1, 2009
Temporary Power and Lighting in Service		3rd Quarter 2008
Permanent Power in Service		March 1, 2009
Storm Water System Operational		May 1, 2009
Fire Alarm and Security Start	3rd Quarter 2008	
General Trades (BP 5010)	4th Quarter 2008	April 1, 2010
Interior Monumental Stairs	3rd Quarter 2009	November 30, 2009
Interior Ornamental Rails/Handrails/Guardrails	2nd Quarter 2009	February 15, 2010
Finish Carpentry	3rd Quarter 2009	February 15, 2010
Custom Casework	4th Quarter 2009	December 31, 2009
General Casework	3rd Quarter 2009	December 31, 2009
Tile and Stone	3rd Quarter 2009	February 15, 2010
Wood Flooring	4th Quarter 2009	February 15, 2010
Carpet and Resilient Flooring	3rd Quarter 2009	April 1, 2010
Paint and Wallcoverings	3rd Quarter 2009	April 1, 2010
Theater Equipment Package 1 & 2	1st Quarter 2009	April 1, 2010
Orchestra Risers		May 1, 2010
Auditorium Seating	1st Quarter 2010	May 1, 2010
Acoustical Canopy (incl. removal of platform scaffold if used & cleanup)	2nd Quarter 2010	June 1, 2010
Sound & Communication/Perf. Lighting - BID PACKAGE # 6 Start	3rd Quarter 2008	
Sitework / Landscaping - BID PACKAGE # 7 Start	3rd Quarter 2009	

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INTERIOR FINISHES PACKAGE P5

EXHIBIT 'B' - 3

Sitework / Landscaping - BID PACKAGE #7 Finish

2nd Quarter 2010

Project Substantial Completion

June 7, 2010

IMPORTANT NOTE: The above schedule notes the anticipated quarter for the categories of work to start. The start of work may occur anytime during this quarter without affect to the end date. All contractors shall take into consideration the schedules of other trades and shall anticipate building and staffing the project to keep all trades flowing to meet the stated completion dates. Each contractor may be working in multiple areas at one time. Each contractor shall staff the project appropriately to maintain the project schedule. Each contractor shall be prepared to work with multiple crews, shift work, weekend work or otherwise to assure the completion dates are met.

**Parcel 7A, Regional Performing Arts Center
Interior Finishes Package – P5
Safety Requirements**



1.01 SAFETY

A. Personnel Protective Equipment:

1. The following PPE must be worn 100% of the time while on the jobsite.
 - a. Hard Hats
 - b. Work Boots (leather, no tennis shoes)
 - c. PPE as directed or recommended by the OSHA standard, ANSI, MSDS and or manufacturers.

B. Hard hats must have each company's logo/name on it, and a sticker from orientation.

C. Safety Violations:

1. Violations will be on a three warning system.
 - a. 1st Violation – a verbal warning will be given to the employee and it will be recorded on the daily reports in a database.
 - b. 2nd Violation – a written form signed by the Employee and Superintendent and a copy will be forwarded to the concerned Prime Contractor.
 - c. 3rd Violation– Employee will have a 3-5 day suspension from jobsite depending on the severity of the incident; a written form will be signed by employee and superintendent and sent to the concerned Prime Contractor, and upon returning to the jobsite, employee must undergo the site orientation again before performing any work on site.
 - d. 4th Violation – Employee will be terminated from the jobsite and will not be allowed to perform any work on behalf of any Prime Contractor on this project.
2. Prime Contractor shall submit written verification within 24 Hours of corrective action taken to remedy any safety violations or audits.

D. Job Site Specific Orientation

1. Prime Contractor and its employees shall undergo jobsite safety and security orientation before performing any kind of work on this project.
2. The orientation will start promptly at the project's current scheduled start time and will be conducted once a day, every day, by the Construction Manager and will take approximately two hours.
3. Jobsite badges will be issued by The Construction Manager at orientation and required to be worn at all times. Badges must be visible and worn above the waist.
4. Badges shall be turned in when employee finishes work on project. All badges shall be turned in at closeout.
5. Badges will be issued at no cost initially and if damaged or broken. Misplaced or lost badges shall be replaced at an additional cost of \$50.00 each.

E. Controlled Substance Sampling Policy

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1. MICCS card or equivalent test is mandatory and required prior to starting work by any Prime Contractor's employees.
2. Drug testing will be required after every accident, on random basis, and / or annually, and if suspected by authorities on site. Testing will also be required and monitored by The Construction Manager through each Prime Contractor.

F. Project Safety Documentation

1. Each Prime Contractor shall submit A 12 point Project Specific Safety Program to performing any work on site.
2. All Prime Contractors are required to submit MICCS short form prior to performing any work on the project.
3. Prime Contractor shall provide a list of all its Prime Contractors who will perform work on this project.
4. Each Prime Contractor shall submit its Safety programs and HAZCOM programs. These shall be in a 3 ring binder, have an index and be labeled with the Prime Contractors name and phone number on the face and spine. All Prime Contractors its sub-Prime Contractors must provide this information.
5. Each Prime Contractor shall turn in weekly man hours along with their monthly billings. Sub-Prime Contractor man hours shall be included and identified.

G. Prime Contractors General Safety Requirements

1. Prime Contractor, if has non-English speaking work force, will provide an interpreter at all times and areas where people are working including orientation.
2. Prime Contractor shall conduct a weekly tool box talks every week.
3. Prime Contractor is required to provide written proof of all competent person level training. This includes but is not limited to excavation, scaffolding, all terrain forklift, steel erection etc.
4. Prime Contractors employing five (5) or more employees on site are required to have a ten (10) Hour OSHA trained employee present at all times. Cards will be copied at the time of orientation and maintained on file in addition to item B above.
5. Prime Contractor employing twenty (20) or more employees on site should conduct a weekly safety audit by a qualified safety professional, and submit a written report to The Construction Manager in addition to Item C above.
6. Prime Contractors employing thirty (30) or more employees on site will be required to have a qualified non-working safety professional on site as approved by The Construction Manager. Resumes of the Safety Professional must be submitted for approval two weeks prior to work in addition to Item D above.

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7. The Prime Contractor shall provide 4 foot tall orange temporary safety fencing at all open trenches created by their scope of work, that they are not actively being worked in, or being left overnight.
8. All labor safety regulations should conform to the provisions set forth by OSHA, and the Construction Manager Safety Requirements.
 - a. Each Prime Contractor shall furnish fire extinguishers in accordance with OSHA requirements for temporary fire protection during their scope of construction.

END OF SECTION