

ADDENDUM NO. 2**Island High Auditorium Renovation
Savannah GA, Georgia**DATE ISSUED: **October 20, 2015**

BID DATE: October 27, 2015

JAMES W. BUCKLEY & ASSOCIATES

7 East Congress Street, Suite 800

Savannah, Georgia 31401

Phone (912) 447-1080

Fax (912) 447-1060

CONTRACT DOCUMENTS DATED September 18, 2015 AND SUBSEQUENT ADDENDA THERETO, ARE HEREBY MODIFIED AND INTERPRETED AS FOLLOWS:

CHANGES TO THE PROJECT MANUAL1. INDEX

ADD; Add Section 08 1613 Fiberglass flush doors, Section is within body of project manual

2. Section 012300 – Alternates

a. Delete section and replace with Section 012300; copy enclosed this addendum.

3. Section 04 2000 – Unit Masonry

ADD Paragraphs

2.02A CAST STONE MASONRY UNITS

a. Decorative masonry units calcium silicate masonry units containing no portland cement.

b. Decorative Units:

B. ASTM C-744; and ASTM C73-97a

C. ASTM C-170, 5512 to 7607 psi

D. ASTM C-97, 7.8 to 9.8 percent and 126 to 132 lb/sq.ft.

c. Manufacturers:

B. Arriscraft

d. Size: Height Width Thickness

11 5/8 23 5/8 3 5/8

3 5/8 23 5/8 3 5/8

e. Face Texture: Rock Face with 4 chamfered edges , long and short sides

f. Colors: Sude

g. Special patterns: Exposed faces matching color, texture, pattern of Architect's sample

h. Special shapes: Where required for lintels, corners, jambs, sash, control joints, headers, bonding, other special conditions

B. Square-edged units

C. 3 5/8 (or 2 1/4 or 5 1/4) bull nosed water tables, sills and bands.

D. Sloped sills

E. Chamfered course

F. Notched course

4. Section 05 5150 – Exterior Fixed Wall Ladders

a. Copy enclosed this addendum

5. Section 07 5410 – Polyvinyl Chloride (PVC) Roofing
- a. ADD : Paragraphs 2.5
PMMA Resin – Catalyzed Resin combined with polyester fleece to form a monolithic reinforced flashing/ waterproofing system
 - Color White or Gray
 - Multi Component Flexible
 - b. Manufacturers:
 - Siplast- Parapro Flashing
 - Soprema- Alsan-RS
 - Johns ManvilleAdvanced Liquid Membrane (ALT)
Apply as recommended by manufacturer,
At gutter resealing apply inside a 3” min each side of joint apply to bottom and up both sides.
Clean surfaces of Dirt, Dust oil and other forging Matter
Mix in small batches mechanical mix for 2 minutes
Apply at all existing gutter joints and where gutter meets downspouts
6. Section 232310 –
- a. Delete existing paragraph 2.2B. Replace with paragraph stating “Provide roof mounted centrifugal fans of the size and type as scheduled on the drawings. Fans shall be constructed with watertight housing and shall be direct or belt-driven as indicated. Motor shall be in a compartment out of the air stream. Housings shall be minimum 16 gauge spun aluminum. Fan wheel shall be of aluminum, dynamically and statically balanced, non-overloading backward-curved blades mounted on steel shaft. Equip with self-aligning heavy-duty bearings designed for end thrust and lubricated for a minimum of 10 years usage at operating temperatures of -65 to 100 degrees F. Provide vibrationless lubricated ball bearing motor with integral thermal overload protection and electrical disconnect switch under ventilator cap. Provide ECM motor. Provide aluminum bird screen and backdraft dampers. Provide matching roof curbs suitable for the roof slope. Curbs shall extend minimum 8 inches above roof surface. Fans shall be capable of resisting wind loads specified in 239110.”
 - b. Delete existing paragraph 2.3A. Replace with paragraph stating “Roof mounted air intake shall be constructed of heavy gauge aluminum with hinged housing. Vertical seams shall be continuously welded with lock formed seams on hood ends. Hoods shall be stressed and sloped for drainage. Provide aluminum insect screen. Provide matching roof curbs suitable for the roof slope. Curbs shall extend minimum 8 inches above roof surface. Hoods shall be capable of resisting wind loads specified in 239110.”
7. Section 232310 –
- a. Delete existing paragraph 2.3A. Replace with paragraph stating “Type C - Vibration isolation rails shall be extruded aluminum or G90 galvanized steel consisting of a lower support rail, upper support rail, steel springs located between the support rails and a continuous weatherproof seal located between the upper and lower support rails. Vibration isolation rails shall be fabricated and designed to be installed and secured on top of the equipment manufacturer’s roof curb. Isolation rails shall provide continuous support for the roof-mounted equipment. Isolation rails shall be designed and engineered to provide isolation against casing radiated vibration and structure born vibration from rotating equipment. The steel springs shall consist of large diameter laterally stable steel springs that have a lateral stiffness greater than 1.0 times the rated vertical stiffness and shall be designed to provide up to 50% overload capacity. Isolation rails shall have seismic restraints fabricated and attached to the isolation rail assembly to resist the horizontal forces. Seismic restraints shall be certified by the manufacturer and stamped

by a registered engineer. Isolation rail assemblies shall include supply and return duct block-outs as an integral part of the isolation rail assembly. Springs must be removable and adjustable without disturbing the roof while equipment is in place.”

- b. Delete existing paragraph 2.3B.
- c. Delete schedule in paragraph 2.4. Replace with the following schedule:

SCHEDULE FOR MECHANICAL SYSTEMS:

<u>Equipment Type</u>	<u>Isolator Type</u>	<u>Base Type</u>	<u>Deflection</u>
In-line Suspended Fans	Type 10	None	1.0”
Rooftop Air Conditioners	Type 4	Type C	2.0”

- 8. Section 235310 -
 - a. A Delete existing paragraph 2.1F. Replace with paragraph stating “Provide matching roof curbs suitable for the roof slope. Curbs shall extend minimum 8 inches above roof surface. HVAC units shall be capable of resisting wind loads specified in 239110.”
- 9. Section 04 7200 – Cast Stone Masonry
 - a. DELETE; omit this section in its entirety. Cast stone masonry units are part of section 04 2000
- 10. Section 10 1500 – Compartments And Cubicles
 - a. ADD; add section in its entirety; copy enclosed this addendum.

CHANGES TO THE DRAWINGS

***UNLESS NOTED OTHERWISE, ALL SHEETS LISTED BELOW ARE DELETED AND REPLACED WITH REVISED SHEETS**
REVISION DESCRIPTIONS BELOW MAY NOT REFLECT ALL CHANGES TO A SHEET

****REVISE ALL SHEETS TO “ISSUED FOR: BID”**

- 1. Sheet C3.0
 - a. Add note “Trench drains shall be placed 1’-0” off the face of the wall”
- 2. Sheet C5.1
 - a. Detail 8; Add general note; “At Wall and Handicap Ramp”
- 3. Sheet D1.0 (NOT REPLACED)
 - a. Add general note: “REMOVE EXISTING FLOOR FINISHES, AT AREAS WHERE EXISTING CONCRETE SLAB IS SALVAGED”
 - b. Demolition Keyed Notes 7: add “ REMOVE ALL UNUSED UNDERGROUND SANITARY WASTE PIPES”
 - c. Demolition Keyed Notes 9: add “REMOVE ALL UNUSED EXISTING MECHANICAL ITEMS.”
 - d. Demolition Keyed Notes 10: add “ REMOVE ALL UNDERGROUND ELECTRICAL WIRES AND CONDUIT.”
 - e. Detail 2 & 3; Revise note “DEMO EXISTING GUTTERS AND DOWNSPOUTS” to “SALVAGE EXISTING GUTTERS AND DOWNSPOUTS FOR REINSTALLATION.”
- 4. Sheet A1.2
 - a. Add detail 7 EXISTING ROOF EDGE.
 - b. Add roof access ladder on existing low roof.
 - c. Roof & Roofing Notes; Add note 12. “ EMPLOY THE SERVICES OF A ROOFING CONTRACTOR WHO IS LICENSED WITH THE EXISTING ROOFING SYSTEM TO PERFORM THE WORK.”
- 5. Sheet A2.0
 - a. Detail 1; ADD room names ‘AUD. LEFT 920’ and “AUD. RIGHT 921’
 - b. Detail 1; Revise floor level at Auditorium entry from ‘4 -0” A.F.F.’ to ‘3’-4” A.F.F.’
 - c. Detail 1; Revise floor slope in AUDITORIUM 905.
 - d. Detail 1; Revise all auditorium fixed seating to align with center aisles.
 - e. Detail 1; Revise ramp, stair, drinking fountain in LOBBY 900
 - f. Detail 1; Revise WOMEN 903, MEN 904, and JAN. 902.1 plan.

- g. Detail 1; Revise railings at north porch entry.
 - h. Detail 1; DELETE Teacher's closet in DRAMA 917 by computers.
 - i. Detail 1; Revise plan at UNISEX 915 and door into GREEN ROOM 911.
 - j. Detail 1; DELETE trench drain at porch ADD floor drains.
 - k. Detail 1; Delete hand wash sink in Concessions 901.
 - l. Detail 1; Add T-WALL designation around CUST. 906.
 - m. Detail 1; ADD note "GROUND FACE SIDE OF C.M.U. TO FACE LOBBY"
 - n. ADD CMU WALL TYP LEGEND.
 - o. Detail 2; DELETE HMC replace with HVA
 - p. Detail 2; Lower Mezzanine Control room floor to '6'-0" A.F.F.'
 - q. Omit door 912.1 in stage storage 912 along with stairs, railings, and slab elevation change.
 - r. Move door 912 closer to ramp as shown.
6. Sheet A2.1
- a. Detail 1; Mens 904 Revise soffit to 2'-5" in depth.
 - b. Detail 1; Womens 903 Revise soffit to 2'-5" in depth.
 - c. Detail 1; Vest. 902 Revise soffit to 3'-3" in depth.
 - d. Detail 1; Revisions to Proscenium soffits
7. Sheet A2.3
- a. Detail 1; Delete stained wood floor, extend painted wood floor (PWD) to stained wood edge trim.
8. Sheet A3.0
- a. Finish schedule revisions
 - b. Finish schedule remark revisions.
 - c. Room Finish Scheduled Legend revisions
 - d. Revise Finish Schedule Renovations Remarks
 - e. Door schedule revisions
 - f. Door type revisions
9. Sheet A3.1
- a. HOLLOW METAL FRAME ELEVATIONS; Add frame HVA
 - b. OVERHEAD COILING DOOR; Change frame HMC to OH-1
 - c. Detail 18; Delete, Replace with detail 'JAMB-WIND.@ SLIDING DOORS'
 - d. Detail 19; Delete.
 - e. Detail 20; Delete.
10. Sheet A4.0
- a. Detail 1; Revise elevation to reflect E.I.F.S. cornice profile change and wall scuppers at front low wall.
 - b. Detail 1; ADD general note: "Revise EIFS Cornice per A7.1 WALL SECTION DETAILS – E.I.F.S.".
 - c. Detail 1; ADD reveal lettering on E.I.F.S cornice in bays 2,3 and 4, reading 'ISLANDS HIGH SCHOOL AUDITORIUM'
 - d. Detail 1; ADD note: "REVEAL LETTERING IN E.I.F.S., COLOR AND FONT T.B.D. BY ARCHITECT"
11. Sheet A6.0
- a. ADD general note: "Revise EIFS Cornice per A7.1 WALL SECTION DETAILS – E.I.F.S.".
 - b. Detail 1; Replace note "PRE-FINISHED ALUMINUM GAURDRAIL" with "STAINLESS STEEL GUARDRAIL."
 - c. Detail 1; Add note: "WALL SCUPPER @ LOW WALL
 - d. Detail 1; Revise note: "NON-VENTED METAL SOFFIT PANELS ON 7/8" HAT CHANNELS @ 16"..." to "NON-VENTED METAL SOFFIT PANELS ON 7/8" HAT CHANNELS @ 24".
 - e. Detail 2; Revise note: "NON-VENTED METAL SOFFIT PANELS ON 7/8" HAT CHANNELS @ 16"..." to "NON-VENTED METAL SOFFIT PANELS ON 7/8" HAT CHANNELS @ 24".
 - f. Detail 2; Add insulation at Column line 2 to complete thermal envelope.
 - g. Detail 3; Revise detail to graphically show Ground Face Block facing lobby
12. Sheet A6.1 (NOT REPLACED)
- a. ADD general note: "Revise EIFS Cornice per A7.1 WALL SECTION DETAILS – E.I.F.S.".
 - b. ALL; Revise sections to reflect AUDITORIUM ENTRY F.F. level and MESSANINE level changes.
13. Sheet A6.2 (NOT REPLACED)

- a. ADD general note: “Revise EIFS Cornice per A7.1 WALL SECTION DETAILS – E.I.F.S.”.
- b. ALL; Revise sections to reflect AUDITORIUM ENTRY F.F. level and MESSANINE level changes.
- 14. Sheet A6.3 (NOT REPLACED)
 - a. ADD general note: “Revise EIFS Cornice per A7.1 WALL SECTION DETAILS – E.I.F.S.”
 - b. ALL; Revise sections to reflect AUDITORIUM ENTRY F.F. level and MESSANINE level changes.
- 15. Sheet A6.4(NOT REPLACED)
 - a. ADD general note: “Revise EIFS Cornice per A7.1 WALL SECTION DETAILS – E.I.F.S.”
 - b. ALL; Revise sections to reflect AUDITORIUM ENTRY F.F. level and MESSANINE level changes.
- 16. Sheet A7.0
 - a. Detail 6 & 7; Revise detail sections to reflect floor height change.
- 17. Sheet A7.1
 - a. Detail 2; Revise E.I.F.S. PROFILES.
- 18. Sheet 8.0
 - a. Wall type legend: Revise note on W7, W8, and W15 from “3/8" THIN SET TILE ON BACKER BOARD” to “3/8" THIN SET TILE ON C.M.U.”
- 19. Sheet 8.1
 - a. Revised stage area to omit door 912.1 along with stairs, slab elevation change, and guardrail in stage storage 912.
 - b. Door 912 moved closer to ramp.
- 20. Sheet 9.0
 - a. Detail 15; Revise Typical wood paneling elevation.
- 21. Sheet 9.1
 - a. Detail 9; Revise wood paneling section detail
- 22. Sheet 10.0 (NOT REPLACED)
 - a. Detail 4; Revise elevation to show Carved MDF panel hatch between doors 905 and 905.1.
- 23. Sheet 10.2
 - a. Detail 1&2; Revise Auditorium Side walls.
 - b. Add detail 3 “Angled C.M.U. Detail”
- 24. Sheet 14.0
 - a. Add detail 17 ‘REGLET’
 - b. Add detail 18 ‘REGLET’ enlarged
 - c. Detail 5; add section reference to detail 17.
- 25. Sheet S1.1
 - a. Revise floor level at Auditorium entry from ‘4 -0” A.F.F.’ to ‘3’-4” A.F.F.’
 - b. Lower Mezzanine Control room floor to ‘6’-0” A.F.F.
- 26. Sheet S1.2
 - a. Detail H; Revise floor level at Auditorium entry from ‘4 -0” A.F.F.’ to ‘3’-4” A.F.F.’
 - b. Detail F; Revise floor level at Auditorium entry from ‘4 -0” A.F.F.’ to ‘3’-4” A.F.F.’ and Lower Mezzanine Control room floor to ‘6’-0” A.F.F.
 - c. Detail J; Revise floor level at Auditorium entry from ‘4 -0” A.F.F.’ to ‘3’-4” A.F.F.’ and Lower Mezzanine Control room floor to ‘6’-0” A.F.F.
- 27. Sheet S1.3
 - a. Detail A; Detail H; Revise floor level at Auditorium entry from ‘4 -0” A.F.F.’ to ‘3’-4” A.F.F.’
 - b. Detail B; Detail H; Revise floor level at Auditorium entry from ‘4 -0” A.F.F.’ to ‘3’-4” A.F.F.’
- 28. Sheet M1.0
 - a. Added Note 16 for ceiling markers to indicate devices above ceiling.
 - b. Ductwork and diffusers in Lobby-900 were moved to coordinate with light fixture locations.
- 29. Sheet M2.0
 - a. M1.0 changes affected Mechanical Section – Lobby.
- 30. Sheet M3.0
 - a. M1.0 changes affected RAC-9 Installation Detail.
- 31. Sheet P1.0

- a. Revised water closet, floor drain lavatory locations again in Unisex 915 and modified piping due to architectural changes.
 - b. Revised electric water cooler location at entry and modified piping due to architectural changes.
 - c. Revised mop sink and lavatory locations again in Janitor 102.1, Women 904 and Men 905 and modified piping due to architectural changes.
 - d. Revised storm drain leader location at entry and modified piping due to architectural changes.
32. Sheet P2.0
- a. Revised water closet, floor drain lavatory locations again in Unisex 915 and modified piping due to architectural changes.
 - b. Revised electric water cooler location at entry and modified piping due to architectural changes.
 - c. Revised mop sink and lavatory locations again in Janitor 102.1, Women 904 and Men 905 and modified piping due to architectural changes.
33. Sheet P4.0
- a. Revised riser diagrams per changes to the floor plans due to architectural changes.
34. Sheet E1.0
- a. Revised wall mounted occupancy sensor location in Unisex 915 due to architectural changes.
35. Sheet E2.0
- a. Revised receptacle location in Unisex 915 due to architectural changes.
 - b. Revised location of water coolers in Green Room 911.
 - c. Added receptacles and circuit for computers added in Drama 917.
 - d. Revised circuit numbers for hand dryers due to computer circuit in Drama 917.
 - e. Revised location of water coolers in lobby area.
36. Sheet E3.0
- a. Revised visual strobe location in Unisex 915 due to architectural changes.

END OF ADDENDUM

Enclosures: Section 012300 – Alternates
 Section 012500 – Substitution Procedures; Substitution Request Form (After the Bidding/Negotiation Phase)
 Section 05 5150 – Exterior Fixed Wall Ladders
 Section 10 1500 – Compartments And Cubicles

Sheets:

Architectural;	A1.2, A2.0, A2.1, A2.3, A3.0, A3.1, A4.0, A6.0, A7.0, A7.1, A8.1, A9.0, A9.1, A10.2, A14.0
Structural;	S1.1, S1.2, S1.3,
Plumbing;	P1.0, P2.0, P4.0
Mechanical;	M1.0, M2.0, M3.0
Electrical;	E1.0, E2.0, E3.0

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 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.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.3 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.

1.4 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule: A schedule of alternates is included at the end of this Section. 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

PART 4 - SCHEDULE OF ALTERNATES:

A. ALTERNATE NO. 1: HARDWARE

1. Under Base Bid, in the base bid, provide and install lock cylinders, keys and keyways from one of the specified manufacturers.
2. Under this alternate, In this alternate, provide and install lock cylinders, keys and keyways by” Sargent Manufacturing”.

B. ALTERNATE NO. 2: FLOORING FOR HEALTH CR 833 AND 835

1. Under Base Bid, in the base bid, provide and install all flooring meeting the requirements of the drawings and specifications.
2. Under this alternate, provide and install VCT flooring and rubber base (work as specified in the project manual) for Health Classrooms 833 and 835.

END OF SECTION 01 2300

SUBSTITUTION REQUEST

(After the Bidding/Negotiating Phase)

Project: _____ Substitution Request Number: _____

 _____ From: _____
 To: _____ Date: _____
 _____ A/E Project Number: _____
 Re: _____ Contract For: _____

Specification Title: _____ Description: _____
 Section: _____ Page: _____ Article/Paragraph: _____

Proposed Substitution: _____

Manufacturer: _____ Address: _____ Phone: _____

Trade Name: _____ Model No.: _____

Installer: _____ Address: _____ Phone: _____

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

Differences between proposed substitution and specified product: _____

Point-by-point comparative data attached — REQUIRED BY A/E

Reason for not providing specified item: _____

Similar Installation:

Project: _____ Architect: _____

Address: _____ Owner: _____

_____ Date Installed: _____

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

Savings to Owner for accepting substitution: _____ (\$ _____).

Proposed substitution changes Contract Time: No Yes [Add] [Deduct] _____ days.

Supporting Data Attached: Drawings Product Data Samples Tests Reports _____

SUBSTITUTION REQUEST

(After the Bidding/Negotiating Phase — Continued)

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
 - Same warranty will be furnished for proposed substitution as for specified product.
 - Same maintenance service and source of replacement parts, as applicable, is available.
 - Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
 - Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived.
 - Proposed substitution does not affect dimensions and functional clearances.
 - Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.
 - Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.
-

Submitted by: _____

Signed by: _____

Firm: _____

Address: _____

Telephone: _____

Attachments:

A/E's REVIEW AND ACTION

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

Signed by: _____ Date: _____

Additional Comments: Contractor Subcontractor Supplier Manufacturer A/E
 Other:

SECTION 05 5150

EXTERIOR FIXED ALUMINUM WALL LADDERS

PART 1 - GENERAL

1.01 SUMMARY

- A. Aluminum Fixed Vertical Ladder including ladder, cage, rest platforms, floor mounting brackets, security doors, walk-thru side rails, and security gates.
 - 1. Marked on roof plan sheet as “roof ladder”.

1.02 SYSTEM DESCRIPTION

- A. The system is an aluminum ladder designed to attach to a wall. A cage is required for ladders exceeding 20'0" (or at a height dictated by local codes). A rest platform(s) is/are required so that no ladder segment exceeds 30'0" in height. Floor mounting brackets are optional when ladder bottom is at floor level. A safety cap at the top of the stringers is furnished on ladders requiring same. Standard riser height is 12". Ladder shall be able to withstand 1,000 lb. loading without failure.
- B. Security doors and walk-thru side rails can be furnished as an option.

1.03 DELIVERY, STORAGE, AND HANDLING

- A. Examine ladder when it arrives on site. Notify the carrier and manufacturer of any damage.
- B. Store ladder until installation under roof, if possible; or, if stored outside, under a tarp or suitable cover.

1.04 WARRANTY

- A. The ladder carries a limited warranty of one (1) year against defective material and workmanship, covering parts only, no labor or freight. Defective parts, if deemed so by the manufacturer, will be replaced at no charge, freight excluded, upon inspection at manufacturer's plant which warrants same.

1.05 MAINTENANCE

- A. Under normal usage, the ladder shall require no preventive maintenance.
- B. No “spare parts” shall be required.

PART 2 - PRODUCTS

2.01 MANUFACTURER

- A. Precision Ladders, LLC, Morristown, TN
- B. O'Keeffe's Inc., California
- C. Cotterman, Michigan
- D. Alaco Ladders, California
- E. ACL Industries, New Hampshire

2.02 MATERIALS

- A. Ladder
 - 1. Stringers (Siderail)
 - a. Aluminum channel (6005-T5)
 - b. 2-1/2" x 1-1/16" x 1/8"
 - c. 1/8" molded polyurethane safety caps provided at top.
 - 2. Treads
 - a. Extruded aluminum (6005-T5)
 - b. 2-1/4" x 3/4" x 1/4"
 - c. Treads deeply serrated for safety.

3. Mounting Bracket
 - a. 2" x 3" x 1/4" aluminum wall bracket
 - b. 1/2" x 2" x 3" floor bracket (optional).
- B. Walk-Thru
 1. 1-1/4" aluminum square tube.
 2. 4" x 4" x 1/4" aluminum mounting
- C. Cage
 1. 1/4" x 2" aluminum flat bar welded together and mechanically fastened to siderails (6005-T5).
- D. Rest Platform
 1. 37-1/2" x 63" standard. (Larger sizes optional)
 2. 1/8" aluminum treadplate standard (other surfaces optional).
 3. Aluminum toe boards (6063-T6).
- E. Safety
 1. 42" handrail at platforms.
 2. Fall prevention system for protection of personnel (optional). NOTE: May be used on tower, water tank, and chimney ladders in lieu of cage where codes permit.
- F. Fabrication
 1. The ladder is completely fabricated and ready for installation before shipment to the site.
 2. Any walk-thru, cages, platforms, and security doors are completely fabricated and ready for field attachment to the ladder before shipment to the site.
- G. Finishes
 1. Finish options include primed for field painting, enamel painted, powder coat painted or anodized. Architect to select color (match building exterior)

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install per the manufacturer's installation instructions.
- B. At light gauge framing provide pressurized treated wood blocking 2 layer off 2x material to receive 3/4 " stainless steel lag bolts.
- C. Seal all penetrations through into wall.

END OF SECTION 05 5150

SECTION 10 1500
COMPARTMENTS AND CUBICLES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. Extent of compartments and cubicles is indicated on drawings.
- B. Provide one of the following types of toilet compartments:
 - 1. Plastic laminate finish.- phenolic core
- C. Styles of toilet compartments include:
 - 1. Floor-anchored, overhead braced.
- D. Toilet accessories, such as toilet paper holders, grab bars, purse shelves, specified elsewhere in Division 10.

1.03 SUBMITTALS

- A. Product Data: Submit manufacturer's detailed technical data for materials, fabrication, and installation, including catalog cuts of anchors, hardware, fastenings, and accessories.
- B. Shop Drawings: Submit shop drawings for fabrication and erection of toilet partition assemblies not fully described by product drawings, templates, and instructions for installation of anchorage devices built into other work.
- C. Samples:
 - 1. Submit full range of color samples for each type of unit required.
 - 2. Submit 6" square samples of each color and finish on same substrate used in work, for color verification after selections made.
 - 3. Upon request from Architect submit one (1) sample each of following:
 - (a) Hardware (Complete)
 - (b) Pilaster (12" x 12")
 - (c) Divider panel (12" x 12")
 - (d) Continuous mounting bracket

1.04 QUALITY ASSURANCE

- A. Field Measurements:
 - 1. Take field measurements prior to preparation of shop drawings and fabrication where possible, to ensure proper fitting of work.
 - 2. Allow for adjustments within specified tolerances wherever taking of field measurements before fabrication might delay work.
- B. Coordination: Furnish inserts and anchorages to be built into other work for installation of toilet partitions and related work; coordinate delivery with other work to avoid delay.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Manufacturer: Subject to compliance with requirements, provide products of one of the following:
 - 1. AmproProducts, Inc.
 - 2. Columbia Partitions, Inc.

3. Comtec Inc.
4. Flush Metal Partitions.
5. Rockville Partitions, Inc.
6. Sanymetal Products Co.
7. American Sanitary Partition Corp.
8. Global Steel Products Corp.

2.02 MATERIALS

- A. General: Provide materials, which have been selected for surface flatness and smoothness. Exposed surfaces, which exhibit pitting, seam marks, roller marks, stains, discolorations, telegraphing of core material, or other imperfections on finished units are not acceptable.
- B. Plastic Laminate: NEMA Std. LD-3, min. 0.050" thick, color and pattern as indicated or, if not indicated, selected by Architect from manufacturer's standards.
- C. Core Material for Plastic Laminate:
 1. Solid phenolic core with face laminate fused in fabrication to substrate with no glue line or seam visible.
 - a. Doors and pilasters min. 3/4" finished thickness; divider panels min. 1/2" finished thickness.
- D. Pilaster Shoes: ASTM A 167, Type 302/304 stainless steel, min. 3" high, 20 gage, finished to match hardware.
- E. Continuous Brackets:
 1. Full height extruded aluminum 6063-T5, mill finish, min. 1.685 lbs./l.f. or stainless steel or manufactures standard plastic.
 2. Use for pilaster to wall connections, pilaster to partitions and partitions to walls.
 3. Pre-drill wall brackets with holes 6" o.c. along full length of bracket, no hole less than 3" from end of bracket.
- F. Hinges:
 1. Stainless Steel though bolt.
- G. Hardware and Accessories:
 1. Manufacturer's standard design, heavy-duty operating hardware and accessories of stainless steel.
- H. Overhead Bracing: Continuous extruded aluminum, anti-grip profile, with clear anodized finish.
- I. Anchorages and Fasteners:
 1. Manufacturer's standard exposed fasteners of stainless steel, chromium-plated steel, or brass finished to match hardware, with theft-resistant type heads and nuts.
 2. For concealed anchors, use hot-dip galvanized, cadmium-plated, or other rust-resistant protective-coated steel.

2.03 FABRICATION

- A. General:
 1. Furnish standard doors, panels, screens, and pilasters fabricated for partition system, unless otherwise indicated.
 2. Furnish units with cutouts, drilled holes, and internal reinforcement to receive partition-mounted hardware, accessories, and grab bars, as indicated.
- B. Door Dimensions: Unless otherwise indicated, furnish 24" wide inswinging doors for ordinary toilet stalls and 32" wide (clear opening) outswinging doors at stalls equipped for use by handicapped.
- C. Plastic Laminate Partitions and Screens:
 1. Pressure-laminate one-piece face sheets to core material with no splices or joints, and with edges straight and sealed.
 2. Seal exposed core material at cutouts to protect against moisture.

- D. Overhead-Braced Partitions:
 - 1. Furnish galvanized steel supports and leveling bolts at pilasters, as recommended by manufacturer to suit floor conditions.
 - 2. Make provisions for setting and securing continuous extruded aluminum anti-grip overhead-bracing at top of each pilaster.
 - 3. Furnish shoe at each pilaster to conceal supports and leveling mechanism.
- E. Hardware: Furnish hardware for each compartment in partition system, as follows:
 - 1. Hinges:
 - (a) Cutout inset type, adjustable to hold door open at any angle up to 90°.
 - (b) Provide gravity type, spring-action cam type, or concealed torsion rod type, to suit manufacturer's standards.
 - 2. Latch and Keeper: Manufacturer's standard stainless steel surface-mounted latch unit, designed for emergency access, with combination rubber-faced door strike and keeper.
 - 3. Door Pull: Manufacturer's standard stainless steel unit for out-swing doors.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. General:
 - 1. Comply with manufacturer's recommended procedures and installation sequence.
 - 2. Install partitions rigid, straight, plumb, and level.
 - 3. Thru-bolt brackets to pilasters with one-way sex bolts.
 - 4. Attachment of brackets to adjacent wall construction:
 - (a) Toggle bolts directly behind vertical edge of pilaster, spaced 12" o.c. along full length of bracket.
 - (b) No. 5 plastic anchors and No. 14 x 1-1/4" cadmium plated phillips head screws at each 12" interval alternately spaced between toggle bolt connections.
 - 5. Face attachment of pilasters to masonry partitions: Toggle bolt to masonry with sex bolts and grommets 12" o.c.
- B. General:
 - 1. Comply with manufacturer's recommended procedures and installation sequence.
 - 2. Install partitions rigid, straight, plumb, and level.
 - 3. Provide max. clearances of 1/2" between pilasters and panels, and 1" between panels and walls.
 - 4. Secure panels to walls with min. of two stirrup brackets attached near top and bottom of panel.
 - 5. Locate wall brackets so that holes for wall anchorages occur in masonry or tile joints.
 - 6. Secure panels to pilasters with min. of two stirrup brackets located to align with stirrup brackets at wall.
 - 7. Secure panels in position with manufacturer's recommended anchoring devices.
- C. Overhead-Braced Partitions:
 - 1. Secure pilasters to floor, and level, plumb, and tighten installation with devices furnished.
 - 2. Secure overhead-brace to each pilaster with min. of two fasteners.
 - 3. Hang doors and adjust so tops of doors parallel with overhead-brace when doors in closed position.
- D. Floor-Supported Partitions:
 - 1. Set pilaster units with anchorages having min. of 2" penetration into structural floor, unless otherwise recommended by partition manufacturer.
 - 2. Level, plumb, and tighten installation with devices furnished.
 - 3. Hang doors and adjust so tops of doors level with tops of pilasters when doors in closed position.

3.02 ADJUST AND CLEAN

- A. Hardware Adjustment:
 - 1. Adjust and lubricate hardware for proper operation.
 - 2. Set hinges on inswinging doors to hold open approx. 30° from closed position when unlatched.
 - 3. Set hinges on outswinging doors (and entrance swing doors) to return to fully closed position.
- B. Clean exposed surfaces of partition systems using materials and methods recommended by manufacturer, and provide protection necessary to prevent damage during remainder of construction period.