DIVISION 11 - EQUIPMENT

SECTION 11 25 00 - UNIT KITCHENS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide manufactured unit kitchens, complete with cabinets, counter and sink, integral residential kitchen type equipment, with fittings and accessories as required for complete finished installation.

B. Related Sections:

1.Division 22: Plumbing connections.

2.Division 26: Electrical connections

1.2 SUBMITTALS

A. Product Data: Submit manufacturer's specifications, literature and operating instructions for each type of unit kitchen, including data indicating compliance with requirements.

1.Include maintenance instructions with each unit kitchen.

B. Shop Drawings: Submit shop drawings indicating how unit kitchens are incorporated into Project.

C. Samples: Submit samples of metal finishes and colors.

1.3 QUALITY ASSURANCE

A. Certification Labels: Provide unit kitchens which comply with standards and bear appropriate labels as follows:

1.UL Standards. UL labels required

2.Energy Ratings: Provide energy guide labels with energy cost analysis (annual operating costs) and efficiency information as required by Federal Trade Commission.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to Project site in manufacturer's undamaged protective containers, after spaces to receive them have been fully enclosed

1.5 WARRANTY

A. Special Warranty: Submit manufacturer's standard written warranty for each unit kitchen, including extended warranty for refrigeration system. Furnish written one-year factory warranty for repair of any defect in appliances.

1.Service: Provide required servicing for period of three months after installation during regular working days at no additional cost to Owner.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Dwyer Products Corp./Model KC-20803-A

2.2 MATERIALS

A. System Description. Provide manufactured unit kitchens, complete with cabinets, counter and sink, integral residential kitchen type equipment, with fittings and accessories.

B. Unit Kitchens. Provide complete, integral unit kitchen systems with configurations as indicated on Drawings

C. Materials, General. Fabricate units of manufacturer's standard construction for specified model.

1.Finish: Heavy white-wash over Maple as approved by Architect.

D. Top and Sink: Seamless, one-piece top and drop-in bowl sink with integral back splash.

1.Provide top with integral end splashes for recessed installation

2.Material and Finish: 20 gage Type 304 stainless steel with No. 4 brushed finish.

3.Faucet: Phoenix Faucets/Limited Swing.

4.Accessories: Provide top and sink units equipped fixtures as indicated.

E. Refrigerator and Freezer: GE/Model GTS18FBWH, top freezer, 18.3 cf capacity with 13.6 cf for fresh food and 4.01 cf freezer.

1.Upfront temperature controls.

2."NeverClean" Condenser with condenser coils rolled up and encased so they don't require cleaning in normal operating environments.

3.Three Adjustable Cabinet Shelves; one full-width "Everwhite," one split wire "Everwhite," and one "Spillglass."

4.Two fixed fresh food gallon door shelves.

5.Two clear fruit/vegetable crispers.

6.Deluxe quiet design.

F. Microwave Oven: GE/Spacemaker II JEM25BFWF.

1.One cubit foot capacity

2.800 watts.

3.Electronic touch controls with 10 power levels.

4.Auto defrost/time defrost.

5.Kitchen timer.

6.Under the cabinetry mounting

7.Delay start/reminder.

G. Hardware: Manufacturer's standard concealed hinges, catches, and rubber bumpers on doors and drawers

H. Finishes: As indicated, as selected by Architect from manufacturer's full range of finishes where not indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions under which unit kitchens are to be installed and notify Architect in writing of conditions detrimental to proper and timely completion of work.

B. Do not proceed with work until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install units in accordance with manufacturer's [illegible]ctions.

1. Securely anchor to adjacent walls and f[illegible] with [illegible] seal[illegible] devices.

B. Coordinate with mechanical and electric[illegible] trades as [illegible] essary [illegible] proper service connections.

3.3 ADJUSTING [illegible] CLEANING

A. Ens[illegible] operating [illegible] work[illegible] and fit [illegible] hardware and m[illegible]ing parts as ne[illegible]ary.

B. [illegible]air or replace dam[illegible] comp[illegible]nts so unit kitchen are [illegible]maged at time of [illegible] accepta[illegible]

E[illegible] OF SECTION

DIVISION 12 - [illegible] (NOT USED)

DIVISION 13 - SPECIAL CONSTRUCTION (NOT USED)

DIVISION 14 - CONVEYING EQUIPMENT

SECTION 14 21 00 - ELECTRIC TRACTION ELEVATORS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes. Provide electric gearless traction type elevator system that requires no equipment room, including equipment and accessories as required for complete operational installation.

B. Related Sections.

1.Section 05 50 00: Metal fabrications such as elevator pit ladders, pit gratings, sill angle supports, and metal fabrications sized on Architectural Drawings.

2.Division 22: Pit drainage.

3.Division 26: Electrical power including main switch, breaker and lighting

1.2 REFERENCES

A. American National Standards Institute, ANSI A17.1: Safety Code for Elevators, Dumbwaiters and Escalators, and Moving Walks.

B. ANSI C1/NFPA 70: National Electrical Code.

C. ANSI A17.2, Practice for the Inspection of Elevators, Escalators and Moving Walks.

1.3 ADMINISTRATIVE REQUIREMENTS

A. Delegated Design Services: Provide special elevator design and engineering to ensure compliance with applicable codes and Contract Documents.

B. Coordination. Coordinate elevator work with other work to ensure full compliance with applicable codes and Contract Documents by work performed by others.

1.Review construction documents to assure spaces and materials necessary for legal elevator service are being provided under other sections.

2.Ensure proper fused disconnect switches, hoistway, pits, lighting, communications, ventilation, and services are being provided under other sections.

3.Inform Architect of discrepancies and omissions during bid period.

4.Work of the section shall include furnishing items necessary for a complete operational elevator system and not provided elsewhere.

C. Pre-Installation Meeting. Convene not less than one week prior to commencing work of this Section. Require attendance of those directly affecting work of this Section.

1.Review installation procedures and coordination required with related work.

1.4 SUBMITTALS

A. Product Data: Submit descriptive brochures or detail drawings of landing buttons, hall fixtures, car position indicators, car operating panels, car interior and hoistway doors and frames for review.

1.Wiring Diagrams: Provide complete diagrams for elevator system

B. Shop Drawings: Indicate space requirements, general arrangement of elevator equipment, and material being supplied.

1.Show connections, attachments, reinforcing, anchorage and location of exposed fastenings, and location and amount of loads and reactions to be carried on the building structure.

C. Samples. Submit samples of finishes, operating and signal system fixtures, samples of each type of sign or graphics provided, and finish of hoistway entrances and doors

D. Delegated Design Certificates: Submit certification signed by manufacturer indicating design/build compliance with Contract Documents and code requirements.

1.5 QUALITY ASSURANCE

A. Installer Qualifications. Elevator manufacturer or firm approved by elevator manufacturer in writing and with minimum five years successful experience installing elevators similar to those required for Project.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver items and materials to site only after area in which they are to be installed is ready to receive them in their place of final installation.

B. Store materials in storage area allotted.

C. Fully protect movable and operating equipment from weather.

1.7 WARRANTY

A. Warranties: Provide coincidental product warranties, where available, for major components of elevator work.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

A. KONE Inc./Eco System, ThyssenKrupp Elevators/ISIS System

2.2 MATERIALS

A. System Description: Provide electric gearless traction type elevator system that requires no equipment room, including guide [illegible] brackets, hoisting cables and counterweights; pit buff[illegible] and r[illegible] hardware and fittings.

1.Provide motors, contr[illegible], and wiring to m[illegible] switch.

2.Provide hoistway [illegible] frames, and sills

3.Provide passenger ca[illegible] car do[illegible]

B. Regulator[illegible]ments, [illegible]eral: Compl[illegible] with [illegible] codes and regul[illegible] for el[illegible] work, [illegible]cluding [illegible] ANSI [illegible] Safety Code fo[illegible] Dum[illegible]iters and [illegible]alators [illegible] Moving Walks.

1.Ear[illegible] Req[illegible]ments: Pro[illegible] as required by applicable codes and [illegible]

2.Fire Em[illegible]cy Service: Where [illegible]plicable comply with requirements of applic[illegible] codes; provide required control circuits to meet code requireme[illegible]

3.Medical Emer[illegible] Operation: Where applicable comply with requirements [illegible] medical emergency operation.

C. Regulatory Requirements, Accessibility: Provide for assuring access for persons with disabilities in accordance with applicable regulations.

[illegible] Elevator Characteristics. Special electric gearless traction elevator that does not require machine room for gearless traction device.

1.Net Capacity. 3500 lbs. unless otherwise indicated.

2.Speed, 150 fpm.

3.Stops. Openings in line unless otherwise indicated

4.Entrance Opening Size. 3'-6" wide by 8'-0" high unless otherwise indicated.

5.Door Operation: Single speed with openings as indicated

6.Operation: Microprocessor selective collective control approved by Architect and designed for minimal waiting time for persons using elevators; provide complete acoustic isolation materials.

7.Machine: Gearless traction machine located in shaft.

8.Sound Isolation: For machine and generator or SCR

9.Door Operation. High-speed direct current master operators

10.Home Landing: Ground floor.

E. Rolled Steel Sections, Shapes, and Rods: ANSI A17.1; ASTM A324 and A653, G90 galvanized coating.

F. Sheet Steel: ASTM A653, G90 coating designation, stretcher leveled, commercial grade.

G. Stainless Steel. ASTM A666, Type 304.

H. Aluminum. ASTM B221; enameling or anodizing quality as applicable

I. Plywood: PS 1, fire retardant treated.

J. Sills. Extruded aluminum.

2.3 FABRICATION

A. Machines and Equipment: Types specifically designed for traction elevator service without machine room, with equipment designed for minimal noise generation; with acoustical mounting for noise generating equipment.

B. Guide Shoes. Roller guides for cars and counterweights.

C. Elevator Car. Sheet steel enclosure with structural steel frame and bracing; 3/4" fire retardant treated plywood floor and wall cladding fastened with hidden mechanical fasteners.

D. Doors: Power operated stainless steel hollow metal doors with track, rollers and frame; two-point suspension, nonmetallic sheaves; minimum 3" diameter for car doors, 3-1/2" diameter for hoistway doors

1.Finish: Stainless steel unless otherwise indicated.

E. Hoistway Entrances: Provide formed metal entrances with struts, hanger headers, fascia plates, toe guards, and Underwriters' Laboratory labels.

1.Finish: Match doors.

2.Floor Graphics: Provide 2" high (exact) raised characters, with Contracted Grade 2 Braille immediately left of numeral, on each side of each door frame; center at 60" above floor. Characters to be white on black background.

a. Provide medical emergency symbol at medical emergency elevator.

b. Provide star symbol at grade level in accordance with applicable codes.

c. Star symbol shall be raised, 2" diameter with points equal length.

3.Entrance Protection. Provide infrared door detectors complying with applicable codes and regulations, including requirements for access for persons with disabilities

F. Car Finishes: Finishes as indicated, as selected by Architect from manufacturers full range of standard cab finishes where not otherwise indicated.

1.Provide inset buttons, swing return panels.

2.Side and Back Wall Panels: Removable.

3.Lighting: LED.

4.Railings. Stainless steel tubular rail.

5.Pads: Provide wall attachment buttons and protective pads

G. Operating Fixtures and Signals. Comply with requirements for providing access for persons with disabilities; comply with applicable codes and regulations; stainless steel face panels unless otherwise indicated

1.Car Control Station: Provide one car station with illuminated mechanical buttons, with hands free emergency communication not requiring voice communication, and service cabinet. Provide door hold open button.

2.Hall Call Station: Provide one hall station risers with illuminated mechanical hall buttons at each elevator lobby.

3.Lanterns: Provide lanterns with audible signal, one for up travel, two for down travel.

4.Signs in Lobbies: 1/2" letters to read "IN CASE OF FIRE USE STAIRWAY FOR EXIT - DO NOT USE ELEVATOR"; sign to be approved by Architect and applicable authorities; stain[illegible] steel.

5.Provide elevator lobby graphics conforming to app[illegible] code requirements.

H. Miscellaneous Items: Provide as required [illegible]plicable code[illegible] as follows.

1.Battery operated emergency car lighting.

2.Two-speed fan.

3.Convenience out[illegible] [illegible]ice cabinet.

I. Elevator Key[illegible] Security Operat[illegible]: Provide keyed buttons in c[illegible] control stat[illegible] allowing e[illegible] floor to be individually locked out to prevent p[illegible]senger fro[illegible] [illegible]ess to floor

2.4 FINISHES

A. None[illegible] [illegible]sed-to-V[illegible] Surfa[illegible]

1.Struc[illegible]ral and [illegible] [illegible]exposed [illegible] Metal Surfaces: Clean surfaces of ru[illegible], oil or g[illegible]se and [illegible] with structural steel primer.

2.Field W[illegible]: Re[illegible] [illegible]dation, flux [illegible] residue, wire brush clean and apply [illegible] coats [illegible]r.

3.Wood. One [illegible] primer and two [illegible] semi-gloss acrylic enamel.

B. Exposed-to-View [illegible] [illegible] and Hoistway Entrances.

1.Stainless Steel. Number 4 finish (satin directional polish).

2.Baked Enamel. Clean, degrease zinc-coated metal surface, one coat zinc oxide primer sprayed and baked; two coats semi-gloss enamel sprayed and baked; color as approved

PART 3 - EXECUTION

3.1 PREPARATION

A. Examine work of other trades on which elevator work depends; report defects to Architect in writing which may affect elevator work or equipment operation.

B. Ensure shafts and openings for moving equipment are plumb, level and in line, and that pit is to proper depth, waterproofed and drained, with necessary access doors, ladder and guards.

C. Before fabrication, take necessary job site measurements and verify where work is governed by other trades; check measurement of space for equipment and means of access for installation and operation.

1.Obtain dimensions from site for preparation of shop drawings.

D. Ensure preparatory work has been properly completed to receive elevator work, such as the following

1.Electrical feeder wires to fused disconnect switches.

2.Provisions of hoistway outlets and power are provided for car light and for light in pit.

3.Furnishing of electric power for testing and adjusting equipment.

4.Provision of hoistway outlet for telephone.

5.Supply of power for emergency operation.

E. Supply in ample time for installation by other trades, inserts, anchors, bearing plates, brackets, supports and bracing, including setting templates and diagrams for placement.

3.2 INSTALLATION

A. Install in accordance with manufacturer's instructions, applicable codes, and standards to provide a quiet, smoothly operating installation, free from sideway, oscillation or vibration

1.Work shall be by mechanics skilled in this work and under direct control and supervision of elevator manufacturer's experienced supervisor.

B. Set hoistway entrances in alignment with car openings and true with plumb sill lines.

C. Mount machine in accordance with approved shop drawings, isolate and dampen machine vibration with properly sized sound-reducing anti-vibration pads.

D. Erect hoistway sills, headers and frames prior to erection of rough walls and doors; erect fascias and toe guards after rough walls are finished.

E. Grout sills and hoistway entrance frames.

F. Make necessary adjustments of equipment to ensure elevator operates smoothly and accurately

G. Locate and protect or lock movable equipment and controls in such a way that they can be operated only by authorized persons.

3.3 FIELD QUALITY CONTROL

A. Inspections and Permits. Obtain and pay for necessary inspections and permits and make such tests as are required by regulations and authorities

1.Final inspection shall be after elevator installation and hoisting enclosure are complete.

2.Inspect installation in accordance with ANSI A17.2.

3.Deliver test certificates and permits to Architect.

3.4 MAINTENANCE

A. Elevator Maintenance Period: Maintain elevator installation 12 months after date of Substantial Completion of Work.

1.Include systematic examination, adjustment and lubrication of elevator equipment.

2.Repair or replace worn electrical and mechanical parts of elevator equipment, using parts produced by manufacturer of equipment.

3.Perform work without removing cars during peak traffic periods.

4.Provide 24 hour emergency call-back service during maintenance period.

5.Ensure competent personnel handle maintenance service; maintain locally an adequate stock of parts for replacement or emergency purposes

a. Have qualified personnel available at such places to ensure fulfillment of this service without unreasonable loss of time.

B. Extended Maintenance Proposal: Submit proposal for maintenance of installed elevator work for a period of three years after termination [illegible] regular maintenance required at end of this section

1.Proposal shall include stipulated sum for time period stated, with premiums due annually.

2.Extended maintenance proposal shall includ[illegible] [illegible]irements specified at end of section for first year maintenance agre[illegible]ment.

END OF SE[illegible]N

SECTION 14 31 00 - ESCA[illegible]

PART 1 - GENERAL

1.1 SUMMARY

A. Se[illegible] Includes: P[illegible]ovide escalator sy[illegible] including superstructure, [illegible], treads, comb plate thresho[illegible] [illegible]ndrails, closures, and access[illegible] [illegible]s required for complete operationa[illegible] installation.

1.Review [illegible] documents to assure necessary spaces and materials [illegible] [illegible]calator service are being provided under other [illegible]

2.[illegible] [illegible]per fused [illegible]sconnect switches, hoistway, pits, and ma[illegible] room with access, lighting, and services are being provid[illegible] under other sections.

3.Inform Architect of any discrepancies during bid period.

4.Work of this Section includes furnishing items necessary for complete operational escalator system not provided elsewhere

B. Related Work:

1.Division 26: Electrical power to Machine Room, including main switch, breaker and lighting

1.2 REFERENCES

A. ANSI A17.1: Safety Code for Elevators, Dumbwaiters and Escalators, and Moving Walks.

B. ANSI A17.2: Practice for Inspection of Elevators, Escalators, and Moving Walks.

C. ANSI C1/NFPA 70: National Electrical Code.

D. AWS D1.1: Structural Welding Code.

1.3 ADMINISTRATIVE REQUIREMENTS

A. Delegated Design Services: Provide special escalator design and engineering to ensure compliance with applicable codes and Contract Documents

B. Coordination: Coordinate escalator work with other work to ensure full compliance with applicable codes and Contract Documents by work performed by others.

1.Review construction documents to ensure spaces and materials necessary for legal escalator service are being provided under other sections.

2.Inform Architect of discrepancies and omissions during bid period.

3.Work of the section shall include furnishing items necessary for a complete operational escalator system and not provided elsewhere.

C. Pre-Installation Meeting. Convene not less than one week prior to commencing work of this Section. Require attendance of those directly affecting work of this Section.

1.Review installation procedures and coordination required with related work.

1.4 SUBMITTALS

A. Product Data: Submit for complete system, and for each component or product used in system.

1.Include complete listing and description of performance and operating characteristics

2.Show maximum dynamic and static loads imposed on building structure at all points of support for work.

3.Show maximum and average power demands.

B. Shop Drawings: Indicate typical details of assembly, erection and anchorage drawn at large scale.

1.Submit smaller scale drawings of overall plans, elevations and sections to show floors served, travel distances (horizontal and vertical) and similar considerations of work

2.Include wiring diagrams for entire system of power distribution, control, and signals.

3.Show coordination requirements of balustrades and floor plates with other work. Indicate access and ventilation requirements.

C. Samples. Submit samples of each exposed finish required for escalator work including balustrade, deck cover, moldings, skirt panel, anti-slip knob, handrail, treads, risers and floor plate

D. Certificates and Test Reports.

1.Submit certified reports for required test, recording dates performed, description of test method, test results, interpretation of results recommended action.

2.Where required, submit additional copies directly to governing authorities.

3.Submit certificates and operating permits for each escalator, obtained from governing authorities, as necessary for normal, unrestricted use of escalators.

E. Closeout Submittals: Include full maintenance and operating instructions, parts lists, recommended spare parts and emergency parts inventory, sources of purchase and similar information.

1.Content of manual shall be acceptable to firm selected by Owner to perform continuing maintenance.

F. Delegated Design Certificates: Submit certification signed by manufacturer indicating design/build compliance with Contract Documents and code requirements.

1.5 QUALITY ASSURANCE

A. Installer Qualifications. Elevator manufacturer or firm approved by elevator manufacturer in writing and with minimum five years successful experience installing escalators similar to those required for Project

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver items and materials to site only after area in which th[illegible] are to be installed is ready to receive them in their place of final installation

B. Store materials in storage area allotted.

C. Prevent soiling, physical damage and wetting.

1.7 WARRANTY

A. Warranties: Provide coincidental [illegible] [illegible]anties, where available, for major components of esca[illegible]r work.

PART 2 - PRODUCTS

2.1 SYSTEMS MA[illegible]RERS

A. KONE [illegible]; Thyssen[illegible] Elevato[illegible]ericas.

2.2 MA[illegible]S

A. Syste[illegible]escription. Provi[illegible] escalator s[illegible] including superst[illegible]re, balustrades, [illegible]ds, com[illegible] plate thresholds, handrails, closures [illegible] accessories.

1.Provide [illegible] bearing pad[illegible] anchors, and support devices.

2.Provide mo[illegible] and driv[illegible] assemblies.

3.Provi[illegible] weat[illegible]ing of mechanical and electrical parts for exter[illegible] exp[illegible]ure.

B. Gener[illegible] except as otherwise indicated, provide manufacturer's sta[illegible] materials and equipment which complies with applicable [illegible]s and referenced standards and meets specified performance requirements.

C. Design Requirements:

1.Escalator Characteristics. Cleat step reversible automatic type for ascending or descending passenger service, reversing by manual key switch.

2.Incline, 30 degrees from horizontal, unless otherwise indicated.

3.Speed: As approved by Architect.

4.Travel Distance: Vertical and normal as indicated.

5.Tread Width: 40" unless otherwise indicated.

6.Width between Handrails, 48" unless otherwise indicated.

7.Operation: Constant speed under light to heavy load conditions, in either direction, quiet operation; transit speed of handrail same as treads.

8.Switching: Key operated On/Off, and reversing direction, control and emergency stop buttons located at each end.

9.Machine and Drive: Direct motor, transmission, chain sprocket drive; electro-magnetic brake; crank for hand drive during servicing; drive chain tension adjustment.

10.Electrical Power: Conduit, conductors, contactors, overload protective devices, to switched breaker at machine pit.

11.Design escalator to operate in unheated location at temperatures of approximately -10 degrees F to +120 degrees F.

12.Provide cleat step reversible type capable of operating under full load, as defined in ANSI Code for ascending or descending service, and arranged to operate on an incline of 30 degrees.

13.Design for quiet and smooth operation.

D. Regulatory Requirements: Comply with applicable codes and regulations for escalator work and including to ANSI A17.1 Safety Code for Elevators, Dumbwaiters and Escalators, and Moving Walks.

E. Escalator Supports: Minimum ASTM A36.

F. Stainless Steel: ASTM A666, Type 304.

G. Glass: ASTM C1048, Kind FT, select glazing quality clear tempered glass; manufacturer's recommended thickness, but no less than nominal 1/4".

2.3 FABRICATION

A. General Construction: Self-contained unit consisting of truss, tracks, drive unit or units, steps, comb plates, handrails, handrail drive, controller, safety devices, balustrades, decks and accessories.

B. Truss: Design and construct structural steel truss to safely carry entire load of escalator together with full capacity load and including weight of exterior balustrade and truss covering.

1.Arrange truss to carry drive machine and controller

C. Sprocket Assemblies: Attached to truss at both sides to ensure and maintain proper alignment.

D. Steps:

1.Step Frames. Steel or aluminum suitably reinforced and braced to carry step treads and maximum load per step under eccentric loading conditions

2.Step Wheels: Design for quiet operation and of type which will insure rotation and prevent flat spots; mount to prevent tilting and rocking of steps.

a. Provide for retention of ample lubricant to insure satisfactory operation without frequent lubrication.

3.Step Treads: Non-corrosive white metal, cleat type, designed to insure secure foothold and comfortable tread surface.

a. Cleats: Manufacturer's standard type

b. Space cleats so side cleats are flush with side of steps.

c. Provide adjustable skirt guards to keep clearance at side of steps between cleats and skirt guards to minimum.

d. Design steps and various attachments to permit ready removal of steps without disturbing balustrades or dismantling any part of chains

E. Tracks: Construct of steel or other approved alloy to insure rigidity and install and support to insure correct alignment, smooth operation of running gear under all conditions.

F. Handrail: Construct of laminated canvas and neoprene, splice vulcanized rubber to produce smooth continuous surface, properly shape to fit guide track of handrail guide, black color.

1.Handrail Drive: Traction type provided with suitable device for taking up stretch in handrail; maintain same rate of speed and direction of travel as stairway steps.

2.Handrail Guides. Shape to allow easy movement of handrail and to prevent handrail being thrown off.

G. Comb Plates: Die cast aluminum or other white metal with non-skid surface except for comb areas. Include closely spaced teeth arrange[illegible] so cleats of step treads pass with minimum clearance

1.Comb Teeth: Fabricate in sections to allow damaged or worn se[illegible] can be readily replaced without disturbing main [illegible]

H. Floor Plates. Provide, of harmonizing metal to co[illegible] plates, [illegible] full width of truss at each landing; extend from com[illegible] plate and [illegible] line of balustrade to end of truss.

1.Provide recesses of proper de[illegible] to re[illegible] sp[illegible] floor m[illegible]erial; support floor plates on truss.

I. Safety Devices: Provide as requ[illegible] by ANSI Co[illegible]e and governing codes, but not less than the follo[illegible]

1.Broken C[illegible]ice.

2.Non-R[illegible]ersing [illegible]vice.

3.Emerg[illegible] Stop Butt[illegible]ns: A[illegible] and bottom landings.

[illegible] Service [illegible]ake

5.[illegible]er-spe[illegible]

6.E[illegible]ency [illegible]

J. Opera[illegible] Device: Weatherproof key-operated.

K. Drive [illegible]achine: Worm gear type, specifically designed for escalator [illegible]ice.

L. Controller. Electro-magnetic type with phase and overload protection.

M. Painting: Protect ferrous metal against rust and corrosion by one shop coat of rust-preventive primer unless surfaces are to be permanently protected by oil or grease.

N. Balustrade: Streamline type with extended newels at upper and lower landings; portions shall be removable to permit access to interior for lubrication and for adjustment.

1.Glass: Manufacturers standard safety glass as approved by Architect.

2.Deck Covers, Moldings, and Skirt Panels. Comply with National Association of Architectural Metals Manufacturer's (NAAMM) "Metal Finishes Manual."

3.Type: Stainless Steel: NAAMM Number 4 direction satin polish unless otherwise indicated.

PART 3 - EXECUTION

3.1 PREPARATION

A. Examine areas of installation of escalators and arrange corrections of any circumstances prohibiting successful installation.

1.Commencement of installation signifies acceptance of conditions.

B. Take necessary job site measurements and verify work governed by other trades before fabrication; check measurement of space and means of access of installation and operation.

1.Obtain dimensions from site for preparation of shop drawings.

C. Ensure preparatory work has been properly completed.

D. Supply in ample time for installation by other trades, inserts, anchors, bearing plates, brackets, supports and bracing, including setting templates and diagrams for placement.

3.2 INSTALLATION

A. Install system in accordance with referenced codes and manufacturer's instructions and recommendations, plumb and aligned.

1.Comply with National Electrical Code (NFPA) for electrical work

2.Perform work with mechanics skilled in this work and under direct control and supervision of escalator manufacturer's experienced supervisor.

B. Install components to produce smooth and quiet operation, free from side sway, oscillation and vibration.

C. Lubricate operating parts; provide ready access to lubrication points.

D. Install components to permit orderly servicing, ease of component replacement and minimum service down time.

3.3 FIELD QUALITY CONTROL

A. Inspections and Permits:

1.Thoroughly inspect for correct hook-up and remove any obstructions to movement and start.

2.Obtain and pay for necessary inspections and permits and make such tests as are required by regulations and authorities.

3.Test operation of escalators for specified speed and safety devices.

4.Deliver test certificates and permits to Architect.

3.4 ADJUSTING AND PROTECTION

A. Adjusting: Make adjustments to equipment to ensure smooth operation.

B. Protection: During construction protect finish metal with wax or cloth backed tape, as appropriate; remove temporary protection from finished surfaces, clean and polish at Substantial Completion.

1.Repair damaged finishes or, if damaged beyond acceptable condition, replace damaged component

3.5 DEMONSTRATION

A. Instruct Owner's personnel in proper use, operation and daily maintenance of escalators.

B. Review emergency provisions, including access and procedures to be followed in checking for source of operational failure or malfunction.

3.6 MAINTENANCE

A. Escalator Maintenance Period. Maintain entire escalator installation 12 months after date of Substantial Completion of Work

1.Include systematic examination, adjustment and lubrication of escalator equipment. Repair or replace worn electrical and mechanical parts of escalator equipment, using parts produced by manufacturer of equipment.

2.Perform work without removing escalators during peak traffic periods.

3.Provide 24 hour emergency call-back service during maintenance period.

4.Ensure competent personnel handle maintenance service; maintain locally an adequate stock of parts for replacement or emergency purposes.

5.Have qualified personnel available at such places to ensure fulfillment of this service without unreasonable loss of time.

B. Extended Maintenance Proposal: Submit proposal for maintenance of installed escalator work for a period of three years after termination of regular maintenance required at end of this section.

1.Proposal shall include stipulated sum for time period stated, with premiums due annually.

2.Extended maintenance proposal shall include requirements specified at end of section for first year maintenance agreement.

END OF SECTION

REMODEL STORE

OLD NAVY

GAP INC.
STORE DEVELOPMENT
[illegible] FOLSOM STREET
[illegible]N FRANC[illegible], CA 94105

REPS. I.D.: 0000013184[illegible]

STORE NUMBER: 5724

STORE LOCATION: BUCKHEAD STATION
1 BUCKHEAD LOOP NE
ATLANTA, GA 30326

DESIGN TYPE:	P3
GENERATION:	18Q12
PROTOTYPE DATE:	08/31/17
OPENING:	2018

CONSULTANT INFO:

PROFESSIONAL STAMP:

ARCHITECT INFO:

brr

ARCHITECT OF RECORD:
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