SECTION 10 22 43

TELESCOPIC PARTITIONS

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PART 1 GENERAL

1.1 RELATED SECTIONS

A. Section 01 35 18 – LEED Requirements and Procedures.

B. Section 05 50 00 – Metal Fabrication.

C. Section 06 10 53 – Miscellaneous Rough Carpentry – for concealed blocking.

D. Section 08 71 10 – Door Hardware

E. Section 08 80 50 – Glazing

F. Section 09 22 00 – Support for Gypsum Board Systems

G. Section 09 60 00 – Flooring

H. Section 09 80 00 – Acoustical Treatment

1.2 PRE-INSTALLATION CONFERENCE

A. Coordinate conference at project site in accordance with Division 01 Section "Project Management and Coordination."

1.3 ACTION SUBMITTALS

A. Product Data Sheet: For each type of product, including door schedule. Copies of MSDS – Material Safety Data Sheets to be provided upon request.

B. Shop Drawings: For Telescopic Partitions.

1. Include plans, sections, elevations, details and attachments to other work.

2. Indicate materials, methods of construction, attachment or anchorage details, erection diagrams of pre-assembled components, connections, explanatory notes and other information necessary for completion of work. Cross reference to design drawings and specifications.

3. Lead Time: Provide the lead time duration from the date of shop drawing approval to the date of product shipment.

4. Do not commence manufacturing or order materials before shop drawings are reviewed and accepted by professional of record.

C. Samples for Verification: For each type of the following:

1. Linear Trim: 6″ long Samples.

2. Finish Samples no less than 3″.

3. Glazing Samples no less than 3″

1.4 INFORMATIONAL SUBMITTALS

A. Coordination Drawings: Floor plans, reflected ceiling plans, and other details, drawn to scale, on which the following items are shown and coordinated with each other, using input from the installers of the items involved.

1. Suspended-ceiling components and dimensioned ceiling-grid layout.

2. Locations of fixed door and window mullions.

3. Overhead bracing, seismic restraints, and related structural members

4. Ductwork above ceiling.

B. Qualification Data: For Installer.

C. Product Certificates: For each type of demountable partition.

D. Product Test Reports: For each type of demountable-partition assembly, for tests performed by manufacturer and witnessed by a qualified testing agency.

1.5 CLOSEOUT SUBMITTALS

A. As-Built Shop Drawings: Accurately reflecting any and all deviations from original shops due to change orders, site conditions, product limitations, or any other approved changes after original shop drawing approvals.

B. Maintenance Data: For demountable partitions to include in maintenance manuals.

1. Finishes for exposed trim and accessories. Include precautions for cleaning materials and methods that could be detrimental to finishes and performance. Seals, hardware, and other operating components.

C. Product Warranty Documentation

1. Submit manufacturer's standard limited warranty document. Warranty period: 5year(s) from date of substantial completion.

1.6 QUALITY ASSURANCE

A. Source Limitations: Obtain aluminum framed office fronts and doors from single source from single manufacturer.

B. Manufacturer: Engage a qualified and experienced manufacturer with a minimum of 5 years successful experience providing interior office fronts and doors on projects of comparable size

C. Installer Qualifications: Firm with 5 years experience installing selected system, and who is approved by the manufacturer for installation of the specified system.

D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

E. Reference Standards: Except as modified by more stringent requirements of local codes, comply with requirements of the following:

1. American Architectural Manufactures Association (AAMA)

a. AAMA 611.98, Voluntary specification for anodized architectural aluminum.

b. AAMA 2603.02, Voluntary specifications, performance requirements and test procedures for pigmented organic coatings on aluminum extrusions.

F. Mockups: Before installing aluminum framed office fronts and doors, build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Remove mockups when directed.

2. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 FIELD CONDITIONS

A. Maximum allowable Height deviation due to floor variance (assuming level header): Demountable: 3/8" variance over (non-cumulative) 10 ft span AND ¼" variance over span/travel of Doors. Telescopic/Moving panels: ¼" variance over entire travel of panels.

B. Maximum allowable Width deviation and vertical wall plumbness: Demountable/Telescopic/Movable panels:1/4" variance.

C. Do not deliver or install finished product (aluminum, glass, hardware) until space is ready for finished product. All walls to be finished sanded and painted before systems are installed

D. Field Measurements: Field measurements to be taken when walls are finished (sheet-rocked). Measured dimensions to be indicated in final shop drawings before fabrication. Any areas not ready for measuring will indicate HOLD-TO dimensions which the Contractor must approve before fabrication.

E. Coordinate fabrication lead times with site construction progress to avoid delaying production. Manufacturer to coordinate with Contactor on Pre-release of long-lead-time items, Hold-To dimensions, and phasing to ensure timely project completion.

PART 2 PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Basis of design manufacture: ZONA Glass Wall Systems.

1. Address: 2099 Main Road Newfield, NJ 08344
2. Phone: 201-329-6279
3. Website: https://zonaglasswallsystems.com

B. Surface-Burning Characteristics: Comply with ASTME 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Flame-Spread Index: 25 or less.
2. Smoke-Developed Index: 450 or less.

C. General: Provide aluminum-framed office fronts and doors of dimensions and configurations shown, complying with performance requirements indicated, based on manufacturer's testing of doors representative of those specified:

1. 2.1.C.1 Aluminum frames and fixed panels shall withstand gravity loads and a lateral deflection is limited to the lesser of L/175 or 3/4inch, whichever is less, when tested under a uniformly distributed load of 5 lbs./sq. ft. (24.4 kg/sq. m) according to ASTM E 72.
2. 2.1.C.2 Glazing Rebates: Design glass framing system to limit lateral deflections of glass panel edges to less than 1/175 of glass-edge length or 3/4 inch (19 mm), whichever is less.

D. Acoustical Performance: Where acoustical rating is indicated, provide demountable-partition assembly tested by a qualified testing agency for sound transmission loss performance according to ASTM E 90, calculated according to ASTM E 413, and rated for not less than the STC value indicated.

E. Accessibility Requirements: For door hardware on doors in an accessible route, comply with the DOJ's "2010 ADA Standards for Accessible Design" ICC A117.1 and requirements of local authorities having jurisdiction.

1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lb/f.
2. Comply with the following maximum opening-force requirements:
   a. Interior, Non-Fire-Rated Hinged Doors: 5 lb/f applied perpendicular to door.
   b. Sliding: 5 lb/f applied parallel to door at latch.
3. Adjust door closer sweep periods so that, from an open position of 90 degrees, the door will take at least 5 seconds to move to a position of 12 degrees from the latch.
4. Adjust spring hinges so that, from an open position of 70 degrees, the door will take at least 1.5 seconds to move to the closed position.

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2.2 DEMOUNTABLE GLASS PARTITIONS

A. General: Progressive demountable-partition assembly and components that are the standard products of manufacturer. System to be TOP-Hung with NO floor track.

B. Subject to requirements, provide the following:

C. LYNX™ Telescopic Partition. Distributed by [Distributor].

D. Top hung system without the use of a floor track.

E. Glass Panels: LYNX™ Telescopic Aluminum Channel 1 ¼" thick by 1 ½" wide. Glass fully tempered or laminated, rubber boot suspension gasket on all sides.

1. Glass Thickness: One layer or 3/8" or 1/2"" Glass, or as required to meet performance requirements.
2. Panel Thickness: 1 ¼" Maximum.

F. Aluminum: Alloy and temper recommended by the manufacturer for strength, corrosion resistance, and application of required finish.

1. Comply with the following:
   a. Aluminum Extrusions : ASTM B 221 (ASTM B 221M); Alloy 6063-T6
   b. Aluminum Sheet or Plate: ASTM B 209 (ASTM B 209M; Alloy 6061-T6
2. Aluminum Bars, Rod and Wire: ASTM B 221 (ASTM B221M); Alloy 6061-T5

G. Track System: LYNX Premier Multi-Slide Track System. Lynx parallel stack sliding system.

1. Track: LYNX Proprietary Extruded Aluminum heavy gage track, or approved equal, recessed or direct mounted.
2. Running Carrier: Hawa 100/120 (4) wheel carrier, (2) per panel, rated to 220lbs / 265lbs, panel size dependent.

2.3 FABRICATION

A. Provide shop assembled doors with hardware and accessories required for a complete assembly. Provide concealed fastening devices and pressure-fit components that will not damage ceiling or floor coverings. Fabricate panels with continuous light-and-sound seals at floor, ceiling, and other locations where panels abut fixed construction.

B. Factory prepare interior aluminum frames to receive templated mortised hardware; include cutouts, reinforcements, mortising, drilling, and tapping.

C. Locate removable stops on the inside of spaces accessed by keyed doors.

D. Fabricate components to allow secure installation without exposed fasteners.

E. Employ standard or heavy-duty door hardware based on total door weight, with a maximum door weight for standard sliding door hardware of up to 220 lbs. (100 Kg) and a maximum door weight of up to 353 lbs. (160Kg) for heavy duty sliding door hardware.

2.4 FINISHES

1. Finish designations prefixed by AA conform to the system established by the Aluminum Association for designating aluminum finishes.

B. Anodized Finishes:

1. Clear Anodic Finish: AAMA 611, AA-M12C22A41, Class I, 0.07 mm or thicker.
2. Color Anodic Finish: AAMA 61, AA-M12C22A42/A44, Class I, 0.07 mm or thicker.
3. Anodized finishes shall be fully sealed by the manufacturer or processor according to procedures recommended by the licensor of the process.

C. Powder Coat

1. AAMA 2604-20
   a. Standard selection of colors [from manufacturers full range of colors.]
   b. Custom Finishes [Specify]

D. Protect finishes on exposed surfaces by wrapping temporary protective covering before shipping.

E. Slight variations in appearance of abutting or adjacent pieces are acceptable. Noticeable variations in the same piece are not acceptable.

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine substrates upon which work will be installed.

1. Verify related work performed under other sections is complete and in accordance with Shop Drawings.

2. Verify wall surfaces and elevator door frames are acceptable for installation of smoke containment system components.

B. Coordinate with responsible entity to perform corrective work on unsatisfactory substrates.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

D. Verify that locations of concealed reinforcements have been clearly marked for the installer.

E. Locate reinforcement points and clearly mark their locations if not already done.

3.2 PREPARATION

A. Examine substrates at the site for openings to be enclosed in the work of this section. Verify the structural integrity of substrates. Verify dimensions at rough openings. Verify that substrates scheduled to provide support to office fronts and doors, are level, plumb and square, with no unevenness, bowing or bumps in the floor

B. Do not install the work of this section until unsatisfactory conditions are corrected. Installation of units constitutes acceptance of existing conditions.

C. Prepare surfaces as recommended by the manufacturer for achieving optimal results.

3.3 INSTALLATION

A. Install complete system in accordance with manufacturer's recommendations and written installation instructions.

B. Provide appropriate anchorage devices to securely and rigidly fit frames into place, absolutely level, straight, plumb and square. Install frames in proper elevation, plane and location, and in proper alignment of other work.

C. Installation Tolerance: Install each demountable partition so surfaces vary not more than1/8 inch (3 mm) from the plane formed by the faces of adjacent partitions.

D. Install frame components in the longest possible lengths; components up to 96 inches (2450mm) long must be one piece.

3.4 CLEANING

A. Remove temporary coverings and protection. Frame should be cleaned using a soft clean cloth. Use clean warm water or mild detergent. Do not use acids, alkaline or fluorides, abrasive cleaning methods may damage surfaces of frames and or panel materials. Clean prior to Owner's acceptance. Remove construction debris from project site and legally dispose of debris.

B. Clean exposed frame surfaces promptly after installation, using cleaning methods recommended by frame manufacturer and according to AAMA 609 & 610.

C. Touch up marred frame surfaces so touchup is not visible from a distance of 48 inches (1220mm). Remove and replace frames with damaged finish hat cannot be satisfactorily repaired.

3.5 PROTECTION

A. Institute protective measures throughout the remainder of the construction period to ensure that panels will be without damage or deterioration, other than normal weathering, at the time of substantial completion.

3.6 MAINTENANCE AND TESTING

A. Perform minimum semi-annual maintenance and testing on each smoke containment system as required by the manufacturer's warranty

END OF SECTION