

PART 1 - GENERAL

1.1 SECTION INCLUDES

- Modular shelving systems with integrated led lighting
- Floor-to-ceiling and floor-to-wall mounting configurations
- Associated accessories including shelves, cabinets, and display components

1.2 REFERENCE STANDARDS

- Astm e 84 - standard test method for surface burning characteristics of building materials
- Ansi a208.1 - Particleboard standards
- Ansi/nema ld3 - high-pressure decorative laminates
- Ul listed electrical components for led lighting systems

1.3 SUBMITTALS

- Product data: manufacturer's specifications and performance data
- Shop drawings: layout drawings showing configuration, dimensions, and electrical connections
- Samples: 6-inch square samples of each finish to be used
- Warranty documentation
- Installation instructions and electrical schematics

1.4 QUALITY ASSURANCE

- Installer qualifications: qualified installer with minimum 3 years experience
- Electrical work: performed by licensed electrician per local codes
- Testing: led lighting systems to be tested and certified operational

1.5 WARRANTY

- Manufacturer's limited warranty: 1 year on structural components
- Led lighting components: 1 year
- Electrical drivers and modules: 1 year

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- Basis of design: Sorbetti 2.0 System by B+N Industries, Burlingame, CA
- Tel: (800) 350-4127, WWW.BNIND.COM
- Substitutions: no substitutions permitted without prior written approval.

2.2 SYSTEM DESCRIPTION

- Modular shelving system with black anodized aluminum uprights
- Integrated 24vdc led lighting system with 3500k, cri90 performance
- Micro-adjustable internal hardware for flexible configuration
- Floor-to-ceiling height range: 121.5" To 133"

2.3 UPRIGHT COMPONENTS

- Load capacity: up to 90w electrical power per upright
Material: black anodized aluminum construction
- Dimensions: 1.5" W x 1.5" D x 121.5" To 133" h (adjustable)
- Mounting: tensioning foot and tieback hardware included
- Electrical: internal power distribution to all four sides
- Power limitation: 90w maximum per upright

2.4 SHELVING COMPONENTS

- Spanning wood shelves: mdf with matte black laminate finish, 2.25" Lip (reversible), 24" and 48" widths, 16" depth, integrated led strip on underside (electrified versions)
- Spanning glass shelves: 3/8" tempered glass with aluminum support structure, led integration, available in 24" and 48" widths

2.5 CABINET COMPONENTS

- Material: mdf with matte black laminate exterior
- Interior: maple construction with soft-close drawer slides
- Hardware: push-to-open hinges and drawer mechanisms
- Configurations: single and double drawer units, door units available

2.6 ELECTRICAL SYSTEM

- Power supply: 90w mec driver, c-ul listed
- Led specifications: 3500k color temperature, cri90
- Voltage: 24vdc distribution system
- Connection: daisy-chain capability for multiple uprights
- Installation: low-voltage wiring throughout system

2.7 FINISHES

- Uprights: black anodized aluminum
- Wood components: matte black laminate
- Hardware: chrome finish on clothes rods and accessories

PART 3 - EXECUTION

3.1 EXAMINATION

- Verify ceiling height compatibility (121.5" To 133" required)
- Confirm structural adequacy of mounting surfaces
- Verify electrical power availability for led systems
- Check for plumb and level conditions

3.2 INSTALLATION

- Install in accordance with manufacturer's instructions and approved shop drawings
- Mount uprights with proper tensioning to ceiling structure
- Install electrical connections per local electrical codes
- Test all led lighting systems before final acceptance
- Adjust all components for proper fit and operation

3.3 ELECTRICAL CONNECTIONS

- Provide dedicated 120v circuit for each system
- Install appropriate electrical disconnect switches
- Test all lighting circuits and controls
- Coordinate with electrical contractor for power connections

3.4 CLEANING AND PROTECTION

- Clean all surfaces with manufacturer-approved cleaning products
- Remove protective films and packaging materials
- Protect installed systems during remainder of construction

3.5 SYSTEM STARTUP

- Demonstrate operation of all adjustable components
- Provide operating instructions to owner
- Schedule any required maintenance procedures