SECTION 08 21 00 - WOOD DOORS

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. SOLID CORE VENEERED DOORS, FLUSH DESIGN WITH PAINT GRADE FINISH WOOD FACES.
B. THE WORK INCLUDES, BUT IS NOT LIMITED TO, INSTALLING THE FOLLOWING ITEMS FURNISHED UNDER THE SECTION INDICATED.

1. FINISH HARDWARE FOR WOOD DOORS, SECTION 08 71 00.

1.2 SUBMITTALS

A. SUBMIT SHOP DRAWINGS AS REQUIRED BY OWNER.

B. DOOR SCHEDULE: USING SAME REFERENCE NUMBERS FOR OPENINGS AS THOSE INDICATED ON ARCHITECT'S DOOR SCHEDULE.

C. SHOP DRAWINGS AND PRODUCT DATA INDICATING:

1. DOOR ELEVATIONS.
2. LOCATION AND TYPE OF PROVISIONS IN DOORS FOR SCHEDULED HARDWARE ATTACHMENT.
3. DOOR CONSTRUCTION SHOWING TYPE OF CORE, TYPE OF STILES, RAILS, AND INTERNAL BLOCKING FOR HARDWARE ATTACHMENT.

D. COORDINATE THE WORK OF THIS SECTION WITH THE REQUIREMENTS OF FRAMES SPECIFIED IN OTHER SECTIONS.

1.3 WARRANTY

A. CONTRACTOR SHALL FURNISH THE DOOR MANUFACTURER'S WRITTEN CERTIFICATE GUARANTEEING THE DOORS AGAINST WARPAGE, DELAMINATION, TELEGRAPHING AND FAULTY MATERIALS FOR THE "LIFE OF ORIGINAL INSTALLATIONS".

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

A. ALGOMA HARDWOODS

B. EGGERS HARDWOOD PRODUCTS CORPORATION

C. GRAHAM

D. MOHAWK

E. VT INDUSTRIES

F. WEYERHAEUSER CORPORATION

G. OTHER MANUFACTURERS ARE ACCEPTABLE FOR REVIEW ONLY AFTER COMPLIANCE WITH THIS SECTION.

2.2 NON-RATED DOORS

A. DOOR CONSTRUCTION: NON-RATED DOORS SHALL BE FABRICATED TO MEET THE REQUIREMENTS OF NWMA I.S. I-80 SERIES AND AWI SECTION 1300, TYPE PC-5 DOORS, RATED DOOR SHALL MEET OR EXCEED THE REQUIREMENTS OF NFPA-80 FOR RATED DOORS AND FRAMES, INCLUDING THE FOLLOWING:

1. THICKNESS: 1-3/4"
2. DOOR VENEERS: AS SPECIFIED UNDER "VENEER" IN THIS SECTION.
3. CROSS BANDS: ONE PLY HARDWOOD VENEERS. CROSS BANDS CONCEALED AT EDGES. 1/16" HARDWOOD VENEERS. CROSS BANDS CONCEALED AT EDGES. (CROSS BANDS ARE ABSOLUTELY REQUIRED UNDER EACH FACE VENEER FROM ALL MANUFACTURERS).
4. CORE: MINIMUM 32 LB PER CUBIC FOOT AVERAGE DENSITY PARTICLEBOARD, ANSI A208.1 QUALITY. DROP-IN CORE NOT ACCEPTABLE.
5. STILES: HARDWOOD; 1-1/2" HARDWOOD AT TOP AND BOTTOM.
6. RAILS: 1-1/8 INCHES
7. STRIKE EDGES: BEVELED.
8. PREFITTED TO FRAMES AT FACTORY: REQUIRED.
9. BOTTOM OF DOORS: 5/8" MAXIMUM UNDERCUT EXCEPT WHERE 3/4" UNDERCUT IS SPECIFICALLY INDICATED IN THE DOOR AND FRAME SCHEDULE.
10. PRE-MACHINED FOR SCHEDULED HARDWARE AT FACTORY.

2.3 VENEER

A. INTERIOR DOORS:

1. WOOD VENEER:
   a. PREMIUM WITH GRADE A FACE, 5 PLY WOOD VENEER.
   b. SPECIES: WHITE BIRCH, ROTARY CUT. CONFIRM FACILITY STANDARD PRIOR TO PLACING ORDER.
2. COLOR: PAINT SW 6990 CAVIAR BLACK, SATIN FINISH.

PART 3 - EXECUTION

3.1 INSPECTION

A. BEFORE INSTALLING DOORS, EXAMINE DOOR FRAMES AND VERIFY THAT FRAMES ARE OF CORRECT TYPE AND PROPERLY INSTALLED.

B. IF CONDITIONS EXIST WHICH ARE UNSATISFACTORY FOR THE INSTALLATION OF DOORS, CONTRACTOR SHALL BE NOTIFIED IMMEDIATELY IN WRITING.

1. DO NOT PROCEED WITH DOOR INSTALLATION UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED IN COMPLIANCE WITH CONTRACT DOCUMENTS.

3.2 INSTALLATION

A. GENERAL: HANDLE DOORS WITH CLEAN GLOVES.

1. DO NOT DRAG DOORS ACROSS DOORS.
2. DO NOT DRAG DOORS ACROSS FLOOR.

B. INSTALL DOORS IN ACCORDANCE WITH APPROVED SHOP DRAWINGS AND MANUFACTURER'S RECOMMENDATIONS.

1. DOORS SHALL BE INSTALLED PLUMB, AND FIT SQUARE IN FRAME WITH MAXIMUM DIAGONAL AND VERTICAL DISTORTION OF 1/16".
2. THE COMPLETED DOOR WORK SHALL BE COMPLETE WITH ACCESSORIES AS SPECIFIED IN THIS SECTION AND IN ACCORDANCE WITH CONTRACT DOCUMENTS.

C. DOOR CLEARANCES:

1. 1/8" AT JAMBS AND HEADS.
2. 1/8" AT MEETING STILES FOR PAIRS OF DOORS.
3. AT THRESHOLDS: AS REQUIRED TO COMPLY WITH SCHEDULED DOOR HARDWARE.

D. DOOR HARDWARE: INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 08712.

1. INSTALL DOOR HARDWARE WITHOUT FORCING, WITH PROPER CLEARANCES AND ALIGNMENT, SO THAT OPERATION IS SMOOTH AND EASY, FREE OF BINDING AND/OR TWISTING.
2. STRENGTH OF DOOR SHALL NOT BE IMPAIRED WHEN CUTTING OR ALTERING DOOR FOR INSTALLATION OF HARDWARE.

3.3 ADJUSTING / CLEANING/ PROTECTING

A. ADJUST DOORS AND HARDWARE.

1. REHANG OR REPLACE DOORS WHICH DO NOT SWING OR OPERATE FREELY, AS DIRECTED BY ARCHITECT.
2. REFINISH OR REPLACE DOORS DAMAGED DURING INSTALLATION AS DIRECTED BY ARCHTIECT.

B. CLEAN-UP HARDWARE AND ADJACENT SURFACES UPON COMPLETION.

1. DO NOT USE ABRASIVES OR LIQUID CLEANERS THAT WILL HARM PERMANENT FINISHES.
2. PROTECT DOOR SURFACES AT ALL TIMES.

C. PROTECTION: COMPLETED DOOR WORK SHALL BE PROTECTED FROM DAMAGE AND DETERIORATION UNTIL FINAL ACCEPTANCE OF THE WORK.

SECTION 08 21 00 - FINISH HARDWARE

PART 1 - GENERAL

1.4 SUBMITTALS

A. SUBMIT PRODUCT DATA AND SCHEDULES.

B. HARDWARE SCHEDULE: COMPLETE MATERIALS LIST OF ALL ITEMS PROPOSED TO BE FURNISHED AND DELIVERED UNDER THIS SECTION.

C. MANUFACTURER'S PRODUCT DATA: INDICATING FULL COMPLIANCE WITH REQUIREMENTS OF THIS SECTION.

1.5 DELIVERY, HANDLING, STORAGE

A. PACKING AND MARKING: INDIVIDUALLY PACKAGE EACH UNIT OF FINISH HARDWARE, COMPLETE WITH PROPER FASTENINGS AND APPURTENANCES, CLEARLY MARKED ON THE OUTSIDE TO INDICATE THE CONTENTS AND SPECIFIC LOCATIONS IN THE WORK. THE HARDWARE SUPPLIER SHALL MEET AT THE JOB SITE WITH THE INSTALLER PRIOR TO COMMENCING INSTALLATION OF HARDWARE, FOR EXPLANATION OF PACKING, LABELING AND HARDWARE SCHEDULE DATA, IF REQUIRED.

B. REPLACEMENTS: IN THE EVENT OF DAMAGE, IMMEDIATELY MAKE ALL REPAIRS AND REPLACEMENTS NECESSARY TO THE APPROVAL OF THE ARCHITECT AND AT NO ADDITIONAL COST TO THE OWNER.

1.6 OPERATION AND MAINTENANCE DATA

A. TOOLS FOR MAINTENANCE: FURNISH A COMPLETE SET OF SPECIALIZED TOOLS AS NEEDED FOR OWNER'S CONTINUED ADJUSTMENT, MAINTENANCE AND REMOVAL AND REPLACEMENT OF BUILDERS HARDWARE.

1.7 KEYING

A. GENERAL: SUPPLIER WILL MEET WITH OWNER TO FINALIZE KEYING REQUIREMENTS AND OBTAIN FINAL INSTRUCTIONS IN WRITING.

B. PROVIDE LOCKS WITH SIX PIN TUMBLER CYLINDERS, KEYED, KEYED ALIKE, MASTER KEYED AND GRAND MASTER KEYED AS DIRECTED BY ARCHITECT, INCLUDING THE FOLLOWING:

1. FOUR CHANGE KEYS FOR EACH CYLINDER.
2. SIX MASTER KEYS FOR EACH MASTER KEY GROUP.
3. SIX GRANDMASTER KEYS FOR EACH GRANDMASTER KEY GROUP.
4. MATCH EXISTING KEYING SYSTEM.

C. CONSTRUCTION MASTER KEY FEATURE: SHALL PERMIT VOIDING OF CONSTRUCTION KEYS WITHOUT REMOVING CYLINDER.

D. DELIVER ALL PERMANENT KEYS, MASTER KEYS AND GRAND MASTER KEYS, TO THE GENERAL CONTRACTOR'S PROJECT MANAGER, WITH CARBON COPY OF THE TRANSMITTAL TO THE OWNER AND ARCHITECT. THE GENERAL CONTRACTOR SHALL DELIVER KEYS TO THE OWNER AT SUCH TIME AS DIRECTED BY THE ARCHITECT, WITH COPIES OF THE TRANSMITTAL TO THE ARCHITECT.

E. TEMPORARY CONSTRUCTION ACCESS DOORS SHALL HAVE THE FOLLOWING HARDWARE; SCHLAGE D53PD RHODES LOCK 626 "E" KEYWAY, KEYING "O" BIT, LCN 4041 DOOR CLOSER AND VON DUPRIN 88 PANIC DEVICE.

PART 2 - PRODUCTS

2.1 HARDWARE

A. FINISH: PROVIDE US26D SATIN FINISH CHROME FOR HARDWARE. WHERE US26D IS NOT AVAILABLE FOR THE SPECIFIED ITEM, PROVIDE FINISH TO MATCH.

1. LACQUER FINISH DOOR CLOSERS TO MATCH LOCKSET.

B. KEYS: PROVIDE KEYS OF NICKEL SILVER ONLY.

1. STAMP KEY BOWS "DO NOT DUPLICATE".
2. STAMP KEY BOWS WITH CHANGE NUMBER.

C. ALL DOOR HANDLES SHALL BE LEVERED TO MEET A.D.A. REQUIREMENTS.

PART 3 - PRODUCTS

3.1 INSTALLATION

A. MOUNT HARDWARE UNITS AT HEIGHTS INDICATED IN "RECOMMENDED LOCATIONS FOR BUILDERS' HARDWARE" BY THE DOOR AND HARDWARE INSTITUTE (DHI) AND IN COMPLIANCE WITH ADA REQUIREMENTS, EXCEPT AS OTHERWISE SPECIFICALLY INDICATED OR REQUIRED TO COMPLY WITH GOVERNING REGULATIONS AND EXCEPT AS MAY BE OTHERWISE DIRECTED BY THE ARCHITECT.

B. INSTALL EACH HARDWARE ITEM IN COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. COORDINATE REMOVAL, STORAGE AND REINSTALLATION OR APPLICATION OF SURFACE PROTECTION WITH FINISHING WORK SPECIFIED IN THE DIVISION 9 SECTIONS. DO NOT INSTALL SURFACE-MOUNTED ITEMS UNTIL FINISHES HAVE BEEN COMPLETED ON THE SUBSTRATE.

C. SET UNITS LEVEL, PLUMB AND TRUE TO LINE AND LOCATION. ADJUST AND REINFORCE THE ATTACHMENT SUBSTRATE AS NECESSARY FOR PROPER INSTALLATION AND OPERATION.

D. DRILL AND COUNTERSINK UNITS WHICH ARE NOT FACTORY-PREPARED FOR ANCHORAGE FASTENERS. SPACE FASTENERS AND ANCHORS IN CCORDANCE WITH INDUSTRY STANDARDS.

SECTION 08 71 00
DOOR HARDWARE

PART 1 - GENERAL
1.1 SUMMARY:

A. Section Includes: Finish Hardware for door openings, except as otherwise specified herein.

1. Door hardware for steel (hollow metal) doors.
2. Door hardware for aluminum doors.
3. Door hardware for wood doors.
4. Door hardware for other doors indicated.
5. Keyed cylinders as indicated.

B. Related Sections:
1. Division 6: Rough Carpentry.
2. Division 8: Aluminum Doors and Frames
3. Division 8: Hollow Metal Doors and Frames.
4. Division 8: Wood Doors.
5. Division 26 Electrical
6. Division 28: Electronic Security

C. References: Comply with applicable requirements of the following standards. Where these standards conflict with other specific requirements, the most restrictive shall govern.
1. Builders Hardware Manufacturing Association (BHMA)
2. NFPA 101 Life Safety Code
3. NFPA 80 -Fire Doors and Windows
4. ANSI-A156.xx- Various Performance Standards for Finish Hardware
5. UL10C - Positive Pressure Fire Test of Door Assemblies
6. ANSI-A117.1 - Accessible and Usable Buildings and Facilities 2009
7. DHI /ANSI A115.IG - Installation Guide for Doors and Hardware
8. Florida Building Codes for Hurricane (NOA) for exterior openings.

D. Intent of Hardware Groups
1. Should items of hardware not definitely specified be required for completion of the Work, furnish such items of type and quality comparable to adjacent hardware and appropriate for service required.
2. Where items of hardware aren't definitely or correctly specified, are required for completion of the Work, a written statement of such omission, error, or other discrepancy to be submitted to Architect, prior to date specified for receipt of bids for clarification by addendum; or, furnish such items in the type and quality established by this specification, and appropriate to the service intended.

E. Allowances
1. Refer to Division 1 for allowance amount and procedures.

F. Alternates
1. Refer to Division 1 for Alternates and procedures.

1.1 SUBSTITUTIONS:
A. Comply with Division 1.
1.2 SUBMITTALS:
A. Comply with Division 1.
B. Special Submittal Requirements: Combine submittals of this Section with Sections listed below to ensure the "design intent" of the system/assembly is understood and can be reviewed together.
C. Product Data: Manufacturer's specifications and technical data including the following:
1. Detailed specification of construction and fabrication.
2. Manufacturer's installation instructions.
3. Wiring diagrams for each electric product specified. Coordinate voltage with electrical before submitting.
4. Submit 6 copies of catalog cuts with hardware schedule.
5. Provide 9001-Quality Management and 14001-Environmental Management for products listed in Materials Section 2.2

A. Shop Drawings - Hardware Schedule: Submit 6 complete reproducible copy of detailed hardware schedule in a vertical format.
1. List groups and suffixes in proper sequence.
2. Completely describe door and list architectural door number.
3. Manufacturer, product name, and catalog number.
4. Function, type, and style.
5. Size and finish of each item.
6. Mounting heights.
7. Explanation of abbreviations and symbols used within schedule.
8. Detailed wiring diagrams, specially developed for each opening, indicating all electric hardware, security equipment and access control equipment, and door and frame rough-ins required for specific opening.

B. Templates: Submit templates and "reviewed Hardware Schedule" to door and frame supplier and others as applicable to enable proper and accurate sizing and locations of cutouts and reinforcing.
1. Templates, wiring diagrams and "reviewed Hardware Schedule" of electrical terms to electrical for coordination and verification of voltages and locations.

C. Samples: (If requested by the Architect)
1. 1 sample of Lever and Rose/Escutcheon design, (pair).
2. 3 samples of metal finishes

D. Contract Closeout Submittals: Comply with Division 1 including specific requirements indicated.
1. Operating and maintenance manuals: Submit 3 sets containing the following.
   a. Complete information in care, maintenance, and adjustment, and data on repair and replacement parts, and information on preservation of finishes.
   b. Catalog pages for each product.
   c. Name, address, and phone number of local representative for each manufacturer.
   d. Parts list for each product.
2. Copy of final hardware schedule, edited to reflect, "As installed".
3. Copy of final keying schedule
4. As installed "Wiring Diagrams" for each piece of hardware connected to power, both low voltage and 110 volts.
5. One set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

1.2 QUALITY ASSURANCE
A. Comply with Division 1.
1. Exterior Openings Severe Windstorm Components testing: Listed and labeled by a testing and inspecting agency acceptable to authority having jurisdiction, based on testing according to ANSI A250.13. Further compliance with Florida Building Codes for Hurricane (NOA) for Exterior Openings.
2. Statement of qualification for distributor and installers.
3. Statement of compliance with regulatory requirements and single source responsibility.
4. Distributor's Qualifications: Firm with 3 years experience in the distribution of commercial hardware.
   a. Distributor to employ full time Architectural Hardware Consultants (AHC) for the purpose of scheduling and coordinating hardware and establishing keying schedule.
   b. Hardware Schedule shall be prepared and signed by an AHC.
5. Installer's Qualifications: Firm with 3 years experienced in installation of similar hardware to that required for this Project, including specific requirements indicated.
6. Regulatory Label Requirements: Provide testing agency label or stamp on hardware for labeled openings.
   a. Provide UL listed hardware for labeled and 20 minute openings in conformance with requirements for class of opening scheduled.
   b. Underwriters Laboratories requirements have precedence over this specification where conflict exists.
7. Single Source Responsibility: Except where specified in hardware schedule, furnish products of only one manufacturer for each type of hardware.

B. Review Project for extent of finish hardware required to complete the Work. Where there is a conflict between these Specifications and the existing hardware, notify the Architect in writing and furnish hardware in compliance with the Specification unless otherwise directed in writing by the Architect.

1.3 DELIVERY, STORAGE, AND HANDLING
A. Packing and Shipping: Comply with Division 1.
1. Deliver products in original unopened packaging with legible manufacturer's identification.
2. Package hardware to prevent damage during transit and storage.
3. Mark hardware to correspond with "reviewed hardware schedule".
4. Deliver hardware to door and frame manufacturer upon request.

B. Storage and Protection: Comply with manufacturer's recommendations.

1.2 PROJECT CONDITIONS:
A. Coordinate hardware with other work. Furnish hardware items of proper design for use on doors and frames of the thickness, profile, swing, security and similar requirements indicated, as necessary for the proper installation and function, regardless of omissions or conflicts in the information on the Contract Documents.
B. Review Shop Drawings for doors and entrances to confirm that adequate provisions will be made for the proper installation of hardware.

1.3 WARRANTY:
A. Refer to Conditions of the Contract
B. Manufacturer's Warranty:
1. Closers: Ten years
2. Exit Devices: Three Years
3. Locksets & Cylinders: Three years
4. All other Hardware: Two years.

1.4 OWNER'S INSTRUCTION:
A. Instruct Owner's personnel in operation and maintenance of hardware units.

1.5 MAINTENANCE:
A. Extra Service Materials: Deliver to Owner extra materials from same production run as products installed. Package products with protective covering and identify with descriptive labels. Comply with Division 1 Closeout Submittals Section.
1. Special Tools: Provide special wrenches and tools applicable to each different or special hardware component.
2. Maintenance Tools: Provide maintenance tools and accessories supplied by hardware component manufacturer.
3. Delivery, Storage and Protection: Comply with Owner's requirements for delivery, storage and protection of extra service materials.

B. Maintenance Service: Submit for Owner's consideration maintenance service agreement for electronic products installed.

PART 2 - PRODUCTS
2.1 MANUFACTURERS:
A. The following manufacturers are approved subject to compliance with requirements of the Contract Documents. Approval of manufacturers other than those listed shall be in accordance with Division 1.

Item:	Manufacturer:	Approved:
Hinges	Stanley	
Locksets	Stanley Comm. Best	
Cylinders	Best Cormax™	
Exit Devices	Precision	
Closers	Stanley D-4550	
Push/Pull Plates	Trimco	Burns, Don-Jo
Protection Plates	Trimco	Burns, Don-Jo
Door Stops	Trimco	Burns, Don-Jo
Flush Bolts	Trimco	ABH, Burns
Coordinator & Brackets	Trimco	ABH, Burns
Threshold & Gasketing	National Guard	Reese, K.N. Crowder

1.1 MATERIALS:
A. Hinges: Shall be Five Knuckle Ball bearing hinges
1. Template screw hole locations
2. Bearings are to be fully hardened.
3. Bearing shell is to be consistent shape with barrel.
4. Minimum of 2 permanently lubricated non-detachable bearings on standard weight hinge and 4 permanently lubricated bearing on heavy weight hinges.
5. Equip with easily seated, non-rising pins.
6. Non Removable Pin screws shall be slotted stainless steel screws.
7. Hinges shall be full polished, front, back and barrel.
8. Hinge pin is to be fully plated.
9. Bearing assembly is to be installed after plating.
10. Sufficient size to allow 180-degree swing of door
11. Furnish five knuckles with flush ball bearings
12. Provide hinge type as listed in schedule.
13. Furnish 3 hinges per leaf to 7 foot 6 inch height. Add one for each additional 30 inches in height or fraction thereof.
14. Tested and approved by BHMA for all applicable ANSI Standards for type, size, function and finish
15. UL10C listed for Fire rated doors.

B. Cylindrical Type Locks and Latchsets:
1. Tested and approved by BHMA for ANSI A156.2, Series 4000, Operational Grade 1, Extra-Heavy Duty, and be UL10C listed.
2. Provide 9001-Quality Management and 14001-Environmental Management.
3. Fit modified ANSI A115.2 door preparation.
4. Locksets and cores to be of the same manufacturer to maintain complete lockset warranty
5. Locksets to have anti-rotational studs that are thru-bolted
6. Keyed lever shall not have exposed "keeper" hole
7. Each lever to have independent spring mechanism controlling it
8. 2-3/4 inch (70 mm) backset
9. 9/16 inch (14 mm) throw latchbolt
10. Provide sufficient curved strike lip to protect door trim
11. Outside lever sleeve to be seamless, of one-piece construction made of a hardened steel alloy
12. Keyed lever to be removable only after core is removed, by authorized control key
13. Provide locksets with 7-pin removable and interchangeable core cylinders
14. Hub, side plate, shrouded rose, locking pin to be a one-piece casting with a shrouded locking lug.
15. Locksets outside locked lever must withstand minimum 1400 inch pounds of torque. In excess of that, a replaceable part will shear.

Key from outside and inside lever will still operate lockset.
16. Core face must be the same finish as the lockset.
17. Functions and design as indicated in the hardware groups.

B. Exit Devices:
1. Exit devices to meet or exceed BHMA for ANSI 156.3, Grade 1.
2. Exit devices to be tested and certified by UL or by a recognized independent laboratory for mechanical operational testing to 9 million cycles minimum with inspection confirming Grade 1 Loaded Forces have been maintained.
3. Exit devices chassis to be investment cast steel, zinc dichromate.
4. Exit devices to have stainless steel deadlocking ¾" through latch bolt.
5. Exit devices to be equipped with sound dampening on touchbar.
6. Non-fire rated exit devices to have ¼" minimum turn hex key dogging.
7. Touchpad to be "T" style constructed of architectural metal with matching metal end caps.
8. Touchbar assembly on wide style exit devices to have a ¼" clearance to allow for vision frames.
9. All exposed exit device components to be of architectural metals and "true" architectural finishes.
10. Provide strikes as required by application.
11. Fire exit hardware to conform to UL10C and UBC 7-2. UL tested for Accident Hazard.
12. Exit device to be heavy investment cast stainless steel with black powder coated finish.
13. Exit devices to have field reversible handing.
14. Provide heavy duty vandal resistant lever trim with heavy duty investment cast stainless steel components and extra strength shock absorbing overload springs. Lever shall not require resetting. Lever design to match locksets and latchsets.
15. Provide 9001-Quality Management and 14001-Environmental Management.
16. Vertical Latch Assemblies to have gravity operation, no springs.
17. Approved Manufacturers
   a. The following manufacturers will be approved contingent on meeting or exceeding the above performance criteria:
      1) Precision Manufactured by Stanley Security Solutions

C. Cylinders:
1. Provide the necessary cylinder housings, collars, rings & springs as recommended by the manufacturer for proper installation.
2. Provide the proper cylinder cams or tail piece as required to operate all locksets and other keyed hardware items listed in the hardware sets.
3. Coordinate and provide as required for related sections.

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Project Name

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WORLD EXECUTIVE CENTER
3500 N STATE ROAD 7
LAUDERDALE LAKES, FL 33319

INTERIOR IMPROVEMENTS

FINAL CONTRACT DOCUMENTS

PROJECT NUMBER: 1602

DATE: MAY 11,2016

ADDENDA/REVISION

No.	Date	Description

SEAL:

CYNTHIA C. SPRAY, AIA AR-94167

DRAWING TITLE:

PROJECT SPECIFICATIONS

DRAWING NO:

A10.1