



**City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060**

June 6, 2012

ADDENDUM #8, RFP H-48-11 STEP 2

To Whom It May Concern,

Please review the following questions and answers regarding this solicitation:

1. Question: Design Criteria Item Nos. 2.10 and 3.6: Please verify that this does not apply to the existing building to remain and that no work is required of the D/B Team on this existing structure.
1. Answer: No work will be required on the existing building to remain with the exception of the reconfiguration of the power feed to keep it in operation.
2. Question: Design Criteria Item No. 3.3: Please confirm there will be no obligation of the D/B Team to remedy this noted recordation error.
2. Answer: No effort from the D/B will be required for this item.
3. Question: Design Criteria Item No. 3.4: This section states that building permit plan review fees will be waived, while the included schedule of fees indicates that fire plan review and Fire alarm and fire sprinkler plan reviews are pre City Code of Ordinances. Additionally, the fee chart reflects Surcharges for inspections to be 1.5% of permit fees, minimum of \$2.00. Please clarify the conflicts/ambiguities to identify if plan review fees are not waived for certain disciplines and if surcharges apply to fee values that have been waived.
3. Answer: All permit fees that are charged will be reimbursable under the Permit Fee allowance that is set on the Cost Proposal Form and will not affect the bid.
4. Question: Design Criteria Item No. 3.10: Please confirm that no fire sprinkler system is being added to the existing building to remain.
4. Answer: No work will be required on the existing building to remain
5. Question: Design Criteria Item No. 3.10: Please confirm that no fire alarm detection and notification system is being added to the existing building to remain.
5. Answer: No work will be required on the existing building to remain
6. Question: Design Criteria Item No. 3.11: Please confirm that no lightning protection system is being added to the existing building to remain.
6. Answer: No work will be required on the existing building to remain

7. Question: Design Criteria Item No. 3.12: Please identify any known equipment and/or size allocations, that would require back-board and space allocation for Owner provided systems/components, such as security. Provide allowance for 2 full size sheets of plywood back-board.
7. Answer: No additional information is available at this time.
8. Question: Design Criteria Item No. 4.1: Are there specifically known deficiencies that are being requested to be improved as it relates to the driveway entrance conditions?
8. Answer: No deficiencies have been identified but the D/B teams are required to ensure that the project is constructed according to code.
9. Question: Design Criteria Item No. 4.9: Will a properly rated (uplift/wind) enclosure that is integral to the generator package be acceptable, or is the City requiring a wall enclosure around the generator?
9. Answer: The City will require a full wall masonry enclosure around the generator facility to the height necessary to screen the equipment.
10. Question: Design Criteria Item No. 4.15, and 4.17: Please resolve conflicts between criteria that requires all site improvement work to be pursuant to FDOT standards (i.e., 18" curbs, catch basin structures, manhole structures, etc.) vs. that of City of Pompano Beach standards.
10. Answer: In the event that there is a discrepancy between the references, the City of Pompano Beach Standards will govern.
11. Question: Design Criteria Item No. 5.20: Presuming the requirement for these bollards is 42" to the top of the bollard from grade, please identify if the City has any detail requirements for below ground conditions or burial depths.
11. Answer: The bollards should be designed for a 10,000 pound static service load applied at the top of the 42" bollard. The foundation should be designed and detailed accordingly.
12. Question: Design Criteria Item Nos. 7.0, 7.1: Please confirm that the generator will be sized and considered to serve only the administration building and to not include the new storage/garage building nor the existing storage building to remain.
12. Answer: The generator is to be sized to serve the administration building and the storage building. The existing metal building will not be covered. Please note that the base bid should include switch gear and receptacles that would allow the new buildings to be run by portable generators or a future generator installation.
13. Question: Please inform us of any City owned property near this subject site, that could be available for vehicle and/or equipment parking during the phasing of the site work.
13. Answer: This usage of an alternate City property will have to be determined based on the usage and duration proposed.
14. Question: Please confirm that no traffic studies will be required as part of the driveway development at the East and North entries.

14. Answer: A traffic study is not anticipated
15. Question: With respect to the items in the design criteria under sections 4.6, 4.7 and 4.8: If the need for seeking zoning variances are required, will the administrative fees be waived? If not, please identify the fee amount, and if this fee is per item or per meeting.
15. Answer: Any fees paid to the Planning and Zoning Department will be reimbursable under the Permit Fee Allowance and therefore will not affect the bid.
16. Question: Reference is made to DCP Sections 2.4, 2.9, 4.19, 4.20, 11.2, 11.3 in relation to Cost Proposal Form Item 3.e. Pursuant to the DCP, The City is obviously aware that the D/B team must still perform site environmental surveys and proper geotechnical subsurface investigations. Accordingly, please confirm that the language of DCP 11.3 should prevail over the language of Proposal Form 3.e, or edit the 3.e language to be in sync with true project conditions/requirements.
16. Answer: The intent of Cost Proposal Form clause 3.e is for the D/B proposer to acknowledge that they will not expect any additional information FROM THE CITY for the successful resolution of the project. Additional information will be required (ie geotechnical, etc.) but it must be included in your proposal to generate the information and it will not be provided by the City
17. Question: Regarding Cost Proposal Form, Item 3.g, please advise as to what the proper method of notifying the Owner of all conflicts, errors or discrepancies discovered is. Should this be an attachment to the Proposal Form or should this be deleted as it applies more to the traditional design-hard bid-build?
17. Answer: Understand that this is written in the form that it is a condition of submitting the proposal. It states: "in submitting this proposal...the D/B Proposer has given OWNER notice of all conflicts, errors or discrepancies...and the resolution thereof my Owner is acceptable". Submitting the proposal means you are agreeing that you have already pointed out anything deemed problematic in the DCP. This function has already been underway in the form of RFI's. This clause simply states that you are not aware of any additional problems with the DCP that you are withholding.
18. Question: Regarding Cost Proposal Form, Item 4, the design criteria indicates to allow review time for each phase, but does not specify the amount of time to be expected for site plan approvals, variance requests and the like. Please provide the time frame to be allotted for these City approvals. Alternatively, the documents could be edited to allow the Construction phase time to only start from the Notice To Proceed after all site plan approvals and permitting has been completed, instead of indicating that lost time in pre-construction, is taken away from the construction phase.
18. Answer: At every phase review of the construction documents, allow two weeks for the receipt of Owner review comments from the Capital Improvements and Utilities Divisions. However, Building Department and Planning and Zoning processes are public review agencies that operate independently and are not part of this agreed upon time limit. The D/B shall allot review periods during the permitting based on the experience and knowledge of the D/B team.

19. Question: Reference is made to Exhibits "B" and "F" of the RFP H-48-11 Step 2 documents (Subcontractor Letters Of Intent): Although Design/Build Teams do try to bring major trade subcontractors into the mix with design professionals early in the process, to have such forms on the public record could be argued to in some degree, legally commit to one of a particular trade. At this preliminary stage in the process even before a Prime Design/Build entity has won the project award, such form of commitment potentially reduces the opportunity for competitive pricing; opens the potential for disputes that could escalate between parties, and/or could cause the Owner's end product to perhaps lose benefits your Prime D/B entity may feel are obtainable through other channels as the process moves closer to permit issuance. Please review the applicability, enforceability and legal liability questions posed by such early commitments, and determine if these remain appropriate in the Owner's mind at this early stage in the process, or if these are commitments that would be better suited to the timing prior to construction commencement.
19. Answer: Participation in the City's SBE and Local Business programs is voluntary, however, the paperwork related to these programs must be submitted in order for a submittal to be considered responsive to the City's bid solicitation. If your company chooses not to participate in a program you should return the forms marked "n/a".
20. Question: Design Criteria: Item 4.20 - Given that this is a well field zoned site; given that the user utilizes chemicals and fuels as part of daily operations, with spillages likely, and since the answer during the walk through was that there is no contamination, please confirm that the design builder may exclude any surveys, testing, investigations, permitting, design, mitigation scopes and costs, etc. for any environmental contamination, or, provide an allowance to be carried in the chances that such contamination is discovered and if mitigation efforts are to be implemented. Obviously, any such expenses not spent out of the allowance would remain credited to the Owner's benefit.
20. Answer: The Design/Builder should include the cost of any testing and investigations that will be required to get the permits necessary to construct the project. However, any contamination that is previously undetected will be considered an unforeseen and any required mitigation would be considered for additional services. This does not include asbestos which has been tested and identified, therefore, the D/B should include any mitigation for the asbestos in the base contract proposal.
21. Question: Design Criteria: Item 4.12 calls for 9 Ga Mesh for the fencing while Specification Section 02821 - 2.1 Chain Link Fence Fabric section notes mesh to be 11 Ga, please clarify.
21. Answer: The fence shall be 9 gage mesh.
22. Question: Design Criteria: Item 5.6 calls for Polished concrete in the Meter room, but the building space program for meter room notes to receive tile. Please clarify what surface is required.
22. Answer: The meter room should receive porcelain tile.

23. Question: Specification Section 03302 – Polished Concrete – This seems to be spec for special decorative/color concrete surface and per design criteria this is required to be provided in the Meter Room. Please clarify the intent of the flooring finish required for the Meter Room, and any other location where this specification might be referenced to apply; and/or please direct the deletion of this specification in its entirety if it is not applicable to this scope of work.
23. Answer: Please delete all reference to polished concrete. Any concrete surface to remain unfinished in the building interior shall be simply sealed.
24. Question: Specification Section 03302 – 1.5.G.2 calls to reserve 100 SF of Mock up of each color and finish of polished concrete. This may be cost prohibitive for this project. Please confirm that this will not be required.
24. Answer: Please delete all reference to polished concrete.
25. Question: Design Criteria Item 6.1 notes that D/B is responsible for installation of the elements in finished project. Please provide detailed information other than the FF&E list regarding these FF&E items so that we can determine hours/cost to assemble/install these items. If information not available, provide an allowance that D/B is to carry in our proposal to address this work.
25. Answer: The elements needing assembly and installation will be commercially available office furniture, book shelves, TV's, work tables and industrial rack shelving. Nothing is anticipated to be of any unusual complexity. Please bid accordingly.
26. Question: Design Criteria Item 1.4 – Regarding permit fees, please confirm that the \$60,000 permit fee allowance to be included in Bid proposal is for all applicable permit fees, special/threshold inspection, subcontractor permit fees and/or impact fees including all items listed in the chart and there is no need for D/B to carry any additional cost for these in our proposal. If there is any cost that D/B needs to include above the \$60,000 allowance; please specify.
26. Answer: The Permit Fee allowance is applicable to all permit and/or impact fees paid to a governmental agency whether it is The City, County, SFWMD, etc. Please note the exception that the permit allowance will not cover fees that are related to the D/B's non-performance such as re-inspection or fines. The allowance will be considered for fees related to preferential treatment from agencies (expedited review, after hour inspection, etc.) if it is deemed to be in the interest of the City and is approved in advance.
- The allowance is not intended to include any consultant fees that would be paid to an architectural or engineering firm. The cost for any inspection required to be done by the design team must be carried within the base proposal costs.
27. Question: Provide Specification for Windows and Aluminum Storefronts.
27. Answer: A specification is attached.
28. Question: Building space program calls for Tile in certain areas, please clarify in each area whether ceramic tile, quarry tile, porcelain tile or vinyl composite tiles (VCT) etc. are required.
28. Answer: All floor tiles should be porcelain & wall tiles can be ceramic

29. Question: Design Criteria: Item 9.4 regarding submitting copy of guarantees or warranties with our bid please understand that at this stage with preliminary design and with not many products or systems being final, the guarantees or warranties are not usually available. Please confirm that the intent is for the Design/Builder to make sure cost to provide/comply with guarantees/warranties as per design criteria and specification is included in the bid but the actual copies to be obtained and provided to owner if awarded.
29. Answer: Actual warranty documentation will be required at the end of the project. The intent of this clause was to have the D/B provide a sample of the proposed warranties, especially as they regard exclusions and inclusions. If the D/B cannot provide the sample warranties at the time of submittal, then it will be assumed that all warranties will meet the specifications and typical industry standards. No additional exclusions will be accepted at a later date.
30. Question: How many hours of continuous operation should the emergency generator fuel supply be designed?
30. Answer: The generator should be diesel and shall include a minimum of 24 hour fuel supply.
31. Question: The Bid Proposal form includes a line item for contingency at a value of \$200,000. Please confirm we are to include this value in our proposal. Also, please describe the nature of work this contingency will cover. Is it the intent to cover requested scope changes and/or unforeseen conditions? Lastly please describe the approval process required in order to utilize contingency.
31. Answer: The contingency item should be included in the proposal at the fixed value already in the bid form. The amount is for the purpose of unforeseen circumstances and/or requested scope changes. Approval for the use of the contingency is at the sole discretion of the City.
32. Question: The Bid Proposal includes a line item for FF&E Allowance at a value of \$100,000. Please elaborate what scope of work this allowance will cover. Will this include site furnishings if required? What type of fixtures and equipment is the intent for this amount to include?
32. Answer: Section 6 of the Design Criteria Package (Attachment 1) describes the purpose of the FF&E Allowance at length. There is also a chart in Attachment 3 entitled "FURNITURE FIXTURES AND EQUIPMENT SCHEDULE" which outlines the elements that will be included under the FF&E budget versus elements that are to be included in the base proposal. This item was also discussed at length as part of the pre-submittal meeting.
33. Question: Will there be any Owner Furnished items such as Voice/Data Low Voltage Wiring or Security? If so, please provide a list of Owner Furnish items that we should not include in our bid proposal.

33. Answer: The Administration Building should be fully wired for all voice and data to all occupied spaces including offices, work stations, conference room, file room, copy area, break room and shop work stations. Cable TV wiring should be included to all occupied spaces scheduled to have TV coverage including offices, conference room and break room. More specific information on wiring requirements can be found in section 5.15 of the Design Criteria Package. The responsibilities regarding the security system are outlined in section 3.13 of the Design Criteria Package.
34. Question: The bid documents include an asbestos survey report. Will the Owner be performing the required abatement prior to demolition or are we to include remediation with the bid proposal? If we are to include abatement, is there a hazardous material survey that can be provided addressing other hazardous materials such as lead content, PCB's, etc? If there is no hazardous material survey available at this time, are we to include a hazardous material survey in our budget pricing?
34. Answer: The D/B team will be responsible for any abatement required as part of their proposal. No further information is available at this time. The D/B team should include in their proposal any testing that will be required to fulfill the permitting requirements of the project.
35. Question: During the 5/15 walkthrough, it was discussed to include considerations within our logistics plan for facilities that were not mentioned within the RFP.
1. Provide temp facilities within the site to maintain shower and locker storage for the current 75 man workforce upon demolition of existing shower/locker room.
 2. Provide temporary office for TV/Camera Truck Repair team. Upon demolition of the existing concrete building housing the offices for camera/tv truck repair facility, a temp office is to be provided with A/C and power to accommodate 2 to 3 persons during construction.
 3. Provide temporary storage for miscellaneous parts, test bench, and small equipment.
 4. Account in the proposed logistic plan during construction, area for existing equipment such as pumps, trailers, and other site material.
 5. Parking. We are to factor parking area within the construction site for current City of Pompano personnel.
- Please advise if the above is to be included in our proposal and if any additional requirements are needed to maintain facility needs during the course of construction.
35. Answer: Attention is directed to Section 3.2 of the Design Criteria Package which addresses the need to keep the operations of the Utilities Field Service Division in operations during construction. All of the above items are important aspects of the operation which must be considered. D/B teams will e evaluated accordingly.
36. Question: Power to the existing building that is to remain is not on a separate meter. During the walkthrough it was observed to be fed from a panel located on the one story concrete building that is to be demolished. Please confirm it will be necessary to divert power prior to demolition to maintain electric in the existing building.
36. Answer: The utilities for all existing elements to remain shall be reconfigured to remain in service throughout construction and after the completion.

37. Question: The security panel at the entrance gate is fed from the electric room inside the one story metal office building that is to be demolished. Please confirm if it will be necessary to relocate power/low voltage as necessary to maintain security upon demolition completion.
37. Answer: The power/operating elements for the existing security shall be reconfigured to remain in service throughout construction.
38. Question: Please clarify if the Design/Build Contractor is responsible for providing new uniform lockers and new equipment lockers. As discussed during the first walk-through with staff, often the City's uniform vendor will provide the uniform lockers as part of their contract.
38. Answer: The RFP indicates that there are two kinds of lockers to be provided in the locker rooms: personal lockers and uniform lockers. Please note that the uniform lockers will be provided by the uniform vendor under separate contract. The D/B shall design space and provide a concrete curb for the uniform lockers but will not have to purchase or install the actual uniform lockers. Providing the personal lockers will remain the responsibility of the D/B team as originally stated in the RFP.
39. Question: The RFP requests that the largest documents in the proposals be 11"x17" maximum. Does this that size limitation applies to the drawings as well, or can we include drawings on a larger format? If so, what would be the maximum acceptable size be?
39. Answer: Plan drawings may be submitted in a larger format.

As stated in Addendum 7, the deadline for submission of proposals is 2:00 p.m., June 15, 2012 in the Purchasing Office, 1190 N.E. 3rd Avenue, Bldg. C, Pompano Beach, Florida 33060.

The remainder of the solicitation is unchanged at this time. Acknowledge receipt of this Addendum in your proposal response.

Sincerely,



Leeta Hardin
General Services Director

Enclosure (Section 08410)

cc: website
file

SECTION 08410

ALUMINUM ENTRANCES AND STOREFRONTS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes the following:
 - 1. Exterior entrance systems.
 - 2. Exterior storefront systems. (Fixed Glazing)
 - 3. Interior windows (fixed and horizontal sliding)
- B. Related sections include the following:

1.03 MANUFACTURERS QUALIFICATION AND PERFORMANCE REQUIREMENTS

- A. Approval by Architect is required of products of proposed manufacturer, or supplier, and will be based upon submission by Contractor of certification that:
 - 1. Manufacturer regularly and presently manufactures aluminum entrances and storefronts as one of its principal products. And must meet Dade County Product Approval.
- B. System Performance Requirements: the entire assemblies must perform satisfactorily with the conditions outlined in the following testing methods:
 - 1. Structural Performance: Must meet Dade County Product Approval.
 - 2. Air Infiltration: Must be successfully tested in compliance with ASTM E 283-91.
 - 3. Water Penetration: Must be successfully tested in accordance with ASTM E 331 and/or ASTM E 1105.
 - 4. Condensation Resistance: Condensation Resistance Factor must be not less than 45 when tested in accordance with AAMA 1502.7.
 - 5. Thermal Transmittance: Must meet Florida Building Code- Energy Addition.
 - 6. Forced Entry Resistance: Provide entrance door units that comply with the requirements of the local governing authority, tested in accordance with ASTM F588.
- C. Thermal Movement: Provide for expansion and contraction resulting from an ambient temperature range of 100 degrees Fahrenheit without reduction of performance, stresses on glass, or any type of failure in the
- D. Horizontal-Sliding Windows: Comply with AAMA/NWWDA 101/I.S.2 for the following tests:
 - 1. Operating Force.

2. Deglazing: When tested according to ASTM E 987.

1.04 SYSTEM DESCRIPTION

- A. General: Provide aluminum entrance and storefront systems capable of withstanding loads and thermal and structural movement requirements indicated without failure, based on testing manufacturer's standard units in assemblies similar to those indicated for this Project. Failure includes the following:
 1. Air infiltration and water penetration exceeding specified limits.
 2. Framing members transferring stresses, including those caused by thermal and structural movement, to glazing units.
- B. Hurricane-Resistance Test Performance: Provide entrance and storefront systems that pass large and small missile-impact tests, as required by systems' location above grade, and cyclic-pressure tests according to testing requirements of authorities having jurisdiction.
- C. Product Data: For each product specified. Include details of construction relative to materials, dimensions of individual components, profiles, and finishes.
- D. Shop Drawings: For entrance and storefront systems. Show details of fabrication and installation, including plans, elevations, sections, details of components, provisions for expansion and contraction, and attachments to other work.
 1. Entrance systems, include hardware schedule and indicate operating hardware types, quantities, and locations.
 2. Joinery.
 3. Anchorage.
 4. Glazing.
 5. Flashing and drainage.
- E. Installer Certificates: Signed by manufacturer certifying that installers comply with specified requirements.

1.05 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced installer to assume engineering responsibility and perform work of this Section who has specialized in installing entrance and storefront systems similar to those required for this Project and who is acceptable to manufacturer.
- B. Source Limitations: Obtain each type of entrance and storefront system through one source from a single manufacturer.
 1. Do not modify intended aesthetic effect, as judged solely by Architect, except with Architect's approval and only to the extent needed to comply with performance requirements. Where modifications are proposed, submit comprehensive explanatory data to Architect for review.

1.06 PROJECT CONDITIONS

- A. Field Measurements: Verify dimensions by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

B. WARRANTY

1. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under the Contract Documents.
2. Issue warranty in the legal name of the Project Owner.
3. Warranty Period: 5 years commencing on the Date of Substantial Completion.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. SMI Systems
 2. YKK AP America Inc.
 3. Kawneer Company, Inc.
 4. Arch Amarlite.
 5. EFCO Corporation.

2.02 MATERIALS

- A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated, complying with the requirements of standards indicated below.
1. Sheet and Plate: ASTM B 209
 2. Extruded Bars, Rods, Shapes, and Tubes: ASTM B 221
 3. Extruded Structural Pipe and Tubes: ASTM B 429.
 4. Bars, Rods, and Wire: ASTM B 211
- B. Steel Reinforcement: Complying with ASTM A 36 for structural shapes, plates, and bars; ASTM A 611 for cold-rolled sheet and strip; or ASTM A 570 for hot-rolled sheet and strip.
- C. Glazing as specified in Division 8 Section "Glass and Glazing."
- D. Glazing Gaskets: Manufacturer's standard pressure-glazing system of black, resilient glazing gaskets, setting blocks, and shims or spacers, fabricated from an elastomer of type and in hardness recommended by system and gasket manufacturer to comply with system performance requirements. Provide gasket assemblies that have corners sealed with sealant recommended by gasket manufacturer.
- E. Spacers, Setting Blocks, Gaskets, and Bond Breakers: Manufacturer's standard permanent, nonmigrating types in hardness recommended by manufacturer, compatible with sealants, and suitable for system performance requirements.
- F. Framing system gaskets, sealants, and joint fillers as recommended by manufacturer for joint type.
- G. Sealants and joint fillers for joints at perimeter of entrance and storefront systems as specified in Division 7 Section "Sealants."
- H. Bituminous Paint: Cold-applied asphalt-mastic paint complying with SSPC-Paint 12 requirements, except containing no asbestos, formulated for 30-mil thickness per coat.

2.03 COMPONENTS

- I. Doors: Provide manufacturer's standard 1-3/4-inch- thick glazed doors with minimum 0.125-inch- thick, extruded tubular rail and stile members. Mechanically fasten corners with reinforcing brackets that are deep penetration and fillet welded or that incorporate concealed tie-rods.
 - 1. Glazing Stops and Gaskets: Provide manufacturer's standard snap-on extruded-aluminum glazing stops and preformed gaskets.
 - 2. Stile Design: Medium stile; 3-1/2-inch nominal width.
- J. Brackets and Reinforcements: Provide manufacturer's standard brackets and reinforcements that are compatible with adjacent materials. Provide nonstaining, nonferrous shims for aligning system components.
- K. Fasteners and Accessories: Manufacturer's standard corrosion-resistant, nonstaining, nonbleeding fasteners and accessories compatible with adjacent materials.
 - 1. Reinforce members as required to retain fastener threads.
 - 2. Do not use exposed fasteners, except for hardware application. For hardware application, use countersunk Phillips flat-head machine screws finished to match framing members or hardware being fastened, unless otherwise indicated.
- L. Concealed Flashing: Dead-soft, 0.018-inch-thick stainless steel, complying with ASTM A 666, of type selected by manufacturer for compatibility with system.
- M. Provide subframes and reinforcing of types indicated or, if not indicated, as required for a complete system. Factory assemble components to greatest extent possible. Disassemble components only as necessary for shipment and installation.
- N. Entrances: Fabricate door framing in profiles indicated. Reinforce as required to support imposed loads. Factory assemble door and frame units and factory install hardware to greatest extent possible. Reinforce door and frame units as required for installing hardware indicated. Cut, drill, and tap for factory-installed hardware before finishing components.
 - 1. Exterior Doors: Provide compression weather stripping at fixed stops. At other locations, provide sliding weather stripping retained in adjustable strip mortised into door edge.

2.04 ALUMINUM FINISHES

- A. General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations relative to applying and designating finishes.
- B. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
- C. Finish designations prefixed by AA conform to the system established by the Aluminum Association for designating aluminum finishes.

1. Powder coated finish: color to be selected by the Architect.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of entrance and storefront systems. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. General: Comply with manufacturer's written instructions for protecting, handling, and installing entrance and storefront systems. Do not install damaged components. Fit frame joints to produce hairline joints free of burrs and distortion. Rigidly secure non-movement joints. Seal joints watertight.
- B. Metal Protection: Where aluminum will contact dissimilar metals, protect against galvanic action by painting contact surfaces with primer or by applying sealant or tape recommended by manufacturer for this purpose. Where aluminum will contact concrete or masonry, protect against corrosion by painting contact surfaces with bituminous paint.
- C. Install components to drain water passing joints and condensation and moisture occurring or migrating within the system to the exterior.
- D. Set continuous sill members and flashing in a full sealant bed to provide weathertight construction, unless otherwise indicated. Comply with requirements of Division 7 Section "Sealants."
- E. Install framing components plumb and true in alignment with established lines and grades without warp or rack of framing members.
- F. Install entrances plumb and true in alignment with established lines and grades without warp or rack. Lubricate operating hardware and other moving parts according to hardware manufacturers' written instructions.
 1. Install surface-mounted hardware according to manufacturer's written instructions using concealed fasteners to greatest extent possible.
- G. Erection Tolerances: Install entrance and storefront systems to comply with the following maximum tolerances:
 1. Variation from Plane: Limit variation from plane or location shown to 1/8 inch in 12 feet 1/4 inch over total length.
 2. Alignment: Where surfaces abut in line, limit offset from true alignment to 1/16 inch. Where surfaces meet at corners, limit offset from true alignment to 1/32 inch.
 3. Diagonal Measurements: Limit difference between diagonal measurements to 1/8 inch

3.03 ADJUSTING AND CLEANING

- A. Adjust doors and hardware to provide tight fit at contact points and weather stripping, smooth operation, and weathertight closure.
- B. Remove excess sealant and glazing compounds, and dirt from surfaces.

3.04 PROTECTION

- C. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and installer, ensure entrance and storefront systems are without damage or deterioration at the time of Substantial Completion.

END OF SECTION