01630 - SUBSTITUTIONS

PART 1 – GENERAL

1.01 SECTION INCLUDES

A. Requirements for requesting approval of proposed substitutions.

1.02 LIMITATIONS ON SUBSTITUTIONS

A. Substitutions will not be considered unless the request is made in writing to the Architect on company stationary and the requirements of this section are fully complied with. Other types of forms are not acceptable.

B. Substitutions will not be considered when indicated on shop drawings or product data submittals without separate formal request complying with "submittal procedures" specified in this section.

C. Substitutions will not be considered unless submitted through the Contractor.

D. If the Contractor proposes to substitute any material, fixtures, article, device, method of construction, arrangement of components, or other items that differ from that called for in the Contract Documents, he shall include all costs involved including work required by other contractors or subcontractors affected by the substitution.
1. The Contractor shall additionally include cost for additional studies, investigation, submittals, redesign and/or analysis that is necessitated by the Owner, his representative, or the Architect.
2. Provide drawings, cuts, manufacturer's information, performance data and all other information necessary for evaluation.

E. Substitute products shall not be ordered or installed without written acceptance.

F. Only one request for substitution for each product will be considered. When substitution is not accepted by the Architect, provide the specified product.

G. Architect will determine the acceptability of all substitutions.

1.03 REQUESTS FOR SUBSTITUTIONS

A. Contractor's Representation
1. Request for substitution constitutes a representation that the Contractor has investigated the proposed product and has determined that it is equal to or superior in all respects to the specified product.
2. Request for substitution constitutes a representation that the Contractor will provide same type of warranty for substitution as for specified product. Contractor's warranty shall be in writing guaranteeing all substituted products have same or superior performance as the product specified.
3. Request for substitution constitutes a representation that the Contractor will coordinate the installation of the accepted substitute, making such changes as may be required for the Work to be complete in all respects.
4. Request for substitution constitutes a representation that the Contractor waives all claims for additional costs related to substitutions that consequently become apparent.
5. Request for substitution constitutes a representation that the cost data is complete and includes all related cost under his Contract, but excludes any approved Architect's design fees required by substitution.
6. Request for substitution constitutes a representation that the Contractor has thoroughly investigated the proposed substitute to determine if license fees and royalties are pending on the proposed substitute, for compliance with the General Conditions of the Contract/AIA 201.

B. Requests for substitutions shall be submitted on "Substitution Request Form – Section 01631" available upon request from architect. Legible copies of this form shall be complete with data substantiating compliance of proposed substitution with requirements of Contract Documents including the following information:
1. Project title and Architect's project number.
2. Identification of product specified including Specifications Section and Paragraph Number.
3. Identification of proposed substitute complete with manufacturer's name and address, trade name of product, and model or catalog number. Attach product data.
4. List of fabricator and supplier (with address and phone number) for proposed substitute.
5. The affect of substitution on dimensions, material thicknesses, wiring, piping, duct work, etc. indicated in Contract Documents.
6. The affect of substitution on other trades.
7. The affect of substitution on construction schedule.
8. Differences in quality and performance between specified product and proposed substitute.
9. Comparison of manufacturer's guarantees of specified product and proposed substitute.
10. Availability of maintenance services and replacement materials for proposed substitute.
11. Cost data comparing proposed substitute with specified product, and amount of net change to Contract Sum.
12. License fees and/or royalties pending on proposed substitute.

02360 - SOIL TREATMENT

PART 1 – GENERAL

1.01 SCOPE:
A. Provide all of the labor, materials, equipment, and services required to complete the soil poisoning work.
1. Prevent termite, carpenter ant and other wood destroying insect infestation.

1.02 QUALITY ASSURANCE:
A. In addition to requirements of these Contract Documents, comply with the manufacturer's instructions and recommendations for work, including preparation of substrate and application.
B. The applicator shall be a company specializing in soil treatment for insect control with a minimum of one year of documented experience.
C. Engage a professional pest control operator, licensed in accordance with regulations of governing authorities for application of soil treatment solution.
D. Work shall conform to rules and regulations for pest control as determined by the State in which the Project is being constructed.
E. Products shall conform to the requirements of the U.S. Environmental Protection Agency (EPA) regulations for insecticides.

1.03 SUBMITTALS:
A. Prior to application, submit for review by the Architect the following:
1. Indicate toxicant to be used, composition by percentage, dilution schedule, and recommended application rate.
2. Certification that products used comply with U.S. Environmental Protection Agency (EPA) regulations for insecticides.
B. For project record documents: Submit data showing moisture content of soil before treatment, date and rate of application, areas of application, gallons of material applied and corresponding soil coverage.

1.04 GUARANTEE:
A. Form of guarantee: The guarantee shall be in form acceptable to the Architect and shall be drawn in favor of the Owner, his successors and his assigns.
B. Provisions required:
1. The soil treatment has been performed in accordance with all requirements of the Contract Documents.
2. The effectiveness of the soil treatment against insect infestation shall continue for not less than 5 years after the Date of Substantial Completion.
3. All evidence of re-infestation within the guarantee period shall be treated, without additional cost to the Owner.
4. Complete performance of the guarantee is assured by Surety acceptable to the Owner.
C. Performance guarantee: Treat, in accordance with all terms of the guarantee, all evidence of insect infestation which is discovered within the guarantee period.

PART 2 – PRODUCTS

2.01 SOIL TREATMENT SOLUTION:
A. Use an emulsified concentrate insecticide for dilution with water, specially formulated to prevent infestation by insects. Fuel oil will not be permitted as a diluent.
B. Product shall physically bear a federal registration number of the EPA and shall be approved by local authorities having jurisdiction.

PART 3 EXECUTION

3.01 INSPECTION:
A. Verify the soil surfaces are unfrozen sufficiently dry to absorb toxicant, ready to receive treatment.
B. Beginning of application means acceptance of soil conditions.
C. Remove foreign matter which could decrease effectiveness of treatment on areas to be treated. Loosen, rake, and level soil to be treated, except previously compacted areas under slabs and foundations.

3.02 APPLICATION:
A. Apply toxicant prior to installation of vapor barrier under slab–on–grade or finish grading outside of foundation walls.
B. Allow not less than 12 hours for drying after application before beginning concrete placement or other construction activities.
C. Post signs in the areas of application warning workers that soil poisoning has been applied. Remove signs when areas are covered by other construction.
D. Reapply soil treatment solution to areas disturbed by subsequent excavation or other construction activities following application.
E. Application areas shall include, but not be limited to:
1. Within the building area, with or without slabs–on–grade
2. Along interior sides of all foundation walls.
3. Where exterior is abutted by concrete slabs, asphalt, or other permanent surfacing, treat exterior sides at the same rate.
4. Outside building perimeter in a strip at least 2'–0" wide, under porches, areaways, aprons, pads, stair landings or paved extensions.
5. At pavement abutting structures, limit treatment under pavement at a 2'–0" wide strip adjacent to structure.
6. In absorbent soil or fill (sand, sand and gravel mix, gravel) increase the application rate as recommended by the manufacturer.
7. At hollow masonry foundations, treat the voids by pouring directly into the hollow spaces.
8. At expansion joints, control joints, and areas where slab will be penetrated.
F. Application rates shall be in accordance with the manufacturers instructions.

03360 - SPECIAL CONCRETE FLOOR FINISH

Class A – Level Two Finish with Stain Guard

PART 1 – GENERAL

1.1 Summary
A. Section includes: this section specifies exposed aggregate polished concrete and finishes

1.2 REFERENCES
A. American Concrete Institute (ACI)
1. ACI 302.1R – Guide for Concrete Floor and Slab Construction
B. ASTM international
1. ASTM C309 – Standard Specification for Liquid Membrane Curing Compounds for Curing Concrete
2. ASTM C171 – Standard Specifications for Sheet materials for Curing Concrete
3. ASTM C779 – Standard Test Method for Abrasion Resistance of Horizontal Concrete Surfaces
4. ASTM C805 – Standard Test Method for Rebound Number of Hardened Concrete
5. ASTM E1155 – Standard Test Method for Determining Floor flatness and Levelness Using The F number system
6. RILEM Test Method 11.4 Standard Measurement of Reduction of Moisture Penetration Through Horizontal Concrete Surfaces

1.3 PERFORMANCE REQUIREMENTS
A. Performance requirements: Provide polished flooring that has been selected, manufactures and installed to achieve the following:
1. Abrasion Resistance: ASTM C779, Up to 400% increase in abrasion resistance
2. Waterproof Properties: RILEM Test method 11.4, 70% or greater reduction in absorption
3. Reflectivity: increase of 35% as determined by gloss meter
4. Impact Strength: ASTM C805, up to 21% increased impact strength
5. must meet or exceed ADA/OSHA suggested 0.5 value for the Static Co–efficient of Friction
B. Design Requirements
1. Hardened Concrete Properties
a. Minimum concrete compressive strength: 3500 psi
b. Normal weight concrete, no light weight aggregates
c. Non–air entrained concrete
2. Placement Properties for New Concrete
a. Natural concrete slump of 4–1/2 inches – 5 inches, admixtures may be used
b. Flatness requirement: 50
3. Hard Steel Trowelled (3 passes) Concrete
a. No burn marks, finish to ACI 302.1R, Class 5 floor
4. Curing Options
a. Membrane forming curing compounds (ASTM C309, Type 1, Class B, all resin drying cure). Acrylic curing and sealing compounds not recommended
b. Sheet membrane (ASTM C171) polyethylene film not recommended
c. Damp curing: Seven day cure wet no exceptions

1.4 PREINSTALLATION MEETINGS
A. Pre–installation Conference: Conduct conference at project site

1.5 ACTION SUBMITTALS
A. Product Data: For each type of product indicated
B. LEED Submittals
1. Product Data for Credit IEQ4.2: for adhesive applied flooring components documentation including printed statement of VOC content

1.6 INFORMATIONAL SUBMITTALS
A. Test Reports: Certified test reports from an independent Testing Laboratory, showing compliance with specified performance criteria and physical propoerties as cited in "Performance Requirements"
B. Certificates:
1. Product and installer qualifications signed by the manufacturer certifying materials meet specified performance characteristics and criteria and physical requirements.
2. Current installation contractor's certificate signed by manufacturer declaring contractor as certified installer of polishing system, prior to bidding of project

1.7 CLOSEOUT SUBMITTALS
A. Maintenance Submit warranty documents specified
B. Maintenance Data: For polished concrete finishing to include in maintenance manuals. Also, include the following:
1. Manufacturer's instructions on maintenance renewal of applied treatments
2. Protocols and product specifications for joint filling, crack repair and/or surface repair

1.8 QUALITY ASSURANCE
A. Manufacturer's Qualifications:
1. Manufacturer has a minimum of 5 years experience in manufacturing components similar to or exceeding requirements of project
2. Manufacturer must be able to provide technically trained field representative during construction and approving application method
B. Installer Qualifications
1. Installer experienced in performing work of this section who has specialized in installation work similar to that required for this project
2. Installer trained and having current certification for RetroPlate Concrete Polishing system
C. Mock–ups
1. Mock–up size: 10' x 10' floor area at job site, allocation as directed under conditions similar to thosw which will exist during actual placement. Divide mock–up area into 4 equal zones, allowing for sequential attempts to determine amount of aggregate exposure, color (if required) and shine selection
2. Mock–up will be used to judge workmanship, concrete substrate preparation, operation of equipment, material application, color selection and shine level
3. Allow 24 hours for inspection of mock–up before proceeding with work
4. When accepted mock–up will demonstrate minimum standard of quality required for this project
5. Note: Floor will be Class C – Level 4

Class A – Cream Finish
Class B – Salt/Pepper Finish
Class C – Medium Aggregate; exposure of mid–range aggregates
Class D – Large Aggregate; exposure of the coarse aggregates similar in appearance to "Terrazzo"

Level 1 – low Gloss; up to 400 grit polish, a gloss reading of 10–20
Level 2 – Medium Gloss; up to 800 grit polish, a gloss reading of 20–30
Level 3 – High gloss; up to 1500 grit polish, a gloss reading of 30–50
Level 4 – Very High Gloss; up to a 3000 grit polish, a gloss reading of 60+

D. Sequence With Other Work: Comply with Manufacturer's written recommendations for sequencing construction operations

1.9 DELIVERY, STORAGE & HANDLING
A. Ordering:
1. Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays
B. Delivery:
1. Deliver materials in manufacturer's original packaging with identification labels and seals intact
C. Storage and Protection:
1. Store materials protected from exposure to harmful weather conditions and at temperature conditions recommended by manufacturer
2. Protect concrete slab
a. Protect from petroleum stains during construction
b. Diaper all hydraulic lifts during construction
c. restrict vehicular parking. Drop cloths will be placed under vehicles parked on slab
d. No pipe cutting machinery will be used on interior floor slab
e. Steel will not be placed on interior floor slab to avoid rust staining
f. No acids or acidic detergents will come into contact with slab

1.10 PROJECT CONDITIONS
A. Environmental Limitations: Do not install work until ambient temperature and humidity conditions are maintained at levels indicated in reference standards

1.11 WARRANTY
A. Project Warranty: Refer to Contract Conditions for project warranty provisions
B. Manufacturers Warranty: Submit for Owner's acceptance manufacturers standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to and does not limit other rights Owner may have under Contract Documents.

PART 2 – PRODUCTS

2.1 PRODUCTS, GENERAL
A. Ensure concrete finishing compounds and materials are from single source, single manufacturer
B Proprietary Products/Systems:
1. Hardener, Sealer, Densifier: Provided a penetrating, water based , odorless liquid, VOC compliant, environmentally safe chemical, will leave no film on surface
2. Concrete Cutting Agent: Prepare surface for polishing
3. Joint Filler: CreteFill, Semi–rigid, 2 component, self–leveling, 100% solids, rapid curing, polyuria control joint and crack filler with a choice of 65,75 or 85 Shore–A hardness depending upon project needs
4. Oil repellent Sealer: Required
5. Cleaning Solution: CreteClean Plus
6. Stain Guard: Required
C. No Substitutions Allowed

PART 3 – EXECUTION

3.1 MANUFACTURERS INSTRUCTIONS
A. Compliance: Comply with manufacturer's written data, including product technical bulletins, product catalog installation instructions, product carton installations and Advanced floor products Spec–Data sheets

3.2 EXAMINATION
A. Site Verification of Conditions
1. Verify that concrete substrate conditions, which have been previously installed under other sections or contracts, are acceptable for product installtion in accordance with manufacturers instructions prior to installtion of finishing materials
2. Verify concrete is cured, 28 days or 3500 psi strength

3.3 PREPARATION
A. Ensure surfaces are free of any and all dirt and other foreign matter harmful to performance of concrete finishing materials
B. examine surface to determine soundness of concrete for polishing

3.4 INSTALLATION
A. Floor Grinding, polishing and Treatment with RetroGrind concrete cutting agent
1. Provide finished concrete floor treatment in entirety of slab indicated by drawings. Provide consistent finish in all contiguous areas
2. Clean floor finish prior to installtion of fixtures and accessories
3. Grind and polish concrete floor surfaces with proper grinding equipment recommended by polishing system representative
a. Comply with manufacturers recommended polishing grits for each sequence to achieve desired finish level. level of shione shall match that of approved mock–up
b. Expose aggregate in concrete surface only as determined by approved mock–up
c. All concrete surfaces shall be as uniform in appearance as possible
4. Apply RetroPlate 99, hardener, Densifier as follows"
a. Apply RetroPlate 99 at 200 sq. ft. per gallon according to manufacturers directions
b. Apply retroGuard according to manufacturers directions
1. Remove defects and re–polish defective areas
2. Remove edges of floor finish adjoining other materials in a clean and sharp manner

3.5 FINAL CLEANING
A. Mechanically scrub treated floors for seven days with soft to medium pads using approved cleaning solution (CreteClean Plus)
B. Upon completion, General Contractor must remove surplus and excess materials, rubbish, tools and equipment

3.6 PROTECTION
A. Protect installed product (polished floors) from damage during construction

04220 - BLOCK MASONRY

PART 1 – GENERAL

1.01 SCOPE:
A. Provide all labor, materials, equipment and services required to furnish and place the masonry work.

1.02 QUALITY ASSURANCE:
A. Comply with requirements for materials and installation established by governing authorities for the construction and fire–resistance rating indicated.
1. 2 hr. concrete unit masonry: ASTM Classification D–2.
2. 3 hr. concrete unit masonry: ASTM Classification C–3.
3. 4 hr. concrete unit masonry: ASTM Classification B–4.
B. Comply with all pertinent codes and regulations.
C. Qualifications of workmen:
1.For the actual cutting and placing of concrete masonry units, use only skilled journeyman masons who are thoroughly experienced with the materials and methods specified and thoroughly familiar with the design requirements. 2.In acceptance or rejection of installed concrete masonry units, no allowance will be made for lack of skill on the part of workmen.
3.Provide at least one skilled journeyman mason who shall be present at all times during execution of the work of this Section and who shall personally direct the execution of this portion of the Work.
4. Tolerance for construction:
a. Variation from the plumb in the lines and surfaces of columns, walls and arises shall not exceed 1/8" in 10'–0" and 1/4" in a storyheight or 20'–0" maximum. Variation from plumb for external corners, expansion joints and other conspicuous lines, shall not exceed 1/4" in any story or 20'–0" maximum.
b. Variation from the level of the grades indicated on the Drawings for exposed lintels, sills, parapets, horizontal grooves, and other conspicuous lines shall not exceed 1/4" in any bay or module or 20'–0", (whichever dimension is the least) nor 1/2" in 40'–0" or more.
c. Variation of the linear building line from an established position in plan and related portion of columns, walls and partitions shall not exceed 1/4" in any bay or module or 20'–0", (whichever dimension is the least) nor 1/2" in 40'–0" or more.
d. Variation in cross–sectional dimensions of columns and thickness of walls shall not exceed minus 1/4", nor plus 1/2" from the dimensions indicated on the Drawings.

1.03 SUBMITTALS:
A. Prior to manufacturing, submit to the Architect for review the following:
1.Product data: Submit manufacturer's specifications and other data for each type of masonry unit, accessory, and other manufactured products, including certifications that each type complies with specifiedrequirements. Include instructions for handling, storage, installations and protection.
2.Letter of certification: Submit a letter of certification, signed jointly by an officer of the manufacturing company and the Contractor, that the concrete masonry units furnished to and installed on this Project meet in all respects the Project requirements. Submit test data made by an independent testing laboratory approved by the Architect, certifying that the concrete masonry units being used are in fact the block specified.
3. Certification that mortar and masonry products are compatible materials and that they will function properly together to achieve a successful result.

1.04 JOB CONDITIONS:
A. Protection of work: During erection, cover top of walls with heavy waterproof sheeting at end of each day's work. Cover partially completed structures when work is not in progress.
B. Extend cover a minimum of 24" down both sides and hold cover securely in place.
C. Do not apply uniform floor or roof loading for at least 12 hours after building masonry walls or columns.
D. Do not apply concentrated loads for at least 3 days after building masonry walls or columns.
E. Staining: Prevent grout or mortar from staining the face of masonry to be left exposed or painted. Remove immediately grout or mortar in contact with such masonry.
F. Protect sills, ledges and projections from droppings of mortar.
G. Cold weather protection:
1. Remove any ice or snow formed on masonry bed by carefully applying heat until top surface is dry to the touch.
2. Remove all masonry determined to be frozen or damaged by freezing conditions.
3. Perform the following protections for completed masonry and masonry not being worked on:
a. When the mean daily air temperature is from 40 degree F to 32 degree F, protect masonry from rain or snow for at least 24 hours by covering with weather–resistive membrane.
b. When the mean daily air temperature is from 32 degree F to 25 degree F, completely cover masonry with weather–resistive membrane for at least 24 hours.
c. When the mean daily air temperature is from 25 degree F to 20 degree F, completely cover masonry with insulating blankets or similar protection for at least 24 hours.
d. When the mean daily air temperature from 20 degree F and below, maintain masonry temperature above 32 degree F for 24 hours using enclosures and supplementary heat, electric heating blankets, infrared lamps, or other acceptable methods.

PART 2 – PRODUCTS
2.01 HOLLOW NORMAL-WEIGHT CONCRETE MASONRY UNITS (CMU):
A. Units:
1. Standard: ASTM C90 unit, exterior units inegrally waterproofed.
2. Facing units, integrally waterproofed.
3. Screen units, integrally waterproofed.
4. Size:
a. Nominal face dimensions of 16" x 8".
b. For other sizes, see Drawings.
5. Special shapes: Provide where required for lintels, corners, jambs, sash, control joints, headers, bonding and other special conditions.
B. Description:
1 . Hollow load bearing CMU: Units shall conform to ASTM C90–75, grade N–I.
2. Solid load bearing CMU: ASTM C90, grade N–1.
3. Weight:
a. Lightweight units: Use expanded rotary kiln shale or clay. Conform to ASTM C331–81. Dry net unit weight shall not exceed 105 lbs./cu.ft.
b. Normal weight: Conform to ASTM C33. Dry net unit weight shall be not less than 125 lbs./cu. ft.
4. Materials in exposed surfaces shall be free of chips, cracks or other imperfections.
C. Admix for block:
1. Product/manufacturer:
a. Acme Shield Integral Water Repellency System.
b. W. R. Grace Dry–Block.
2. The addition of this admix is to achieve water repellency. Make addition of admix at the block plant, under the direction of the manufacturer.

2.02 MORTAR:
A. Materials:
1. Portland cement: ASTM C150–81, type 1.
2. Masonry cement: ASTM C91–78, packaged cement.
3. Sand: Natural siliceous sand conforming to ASTM C144–81.
4. Water: Potable.
B. Mortar type M and S:
1. Exterior block walls and load–bearing walls.
2. Type M mortar shall be one part portland cement, one part masonry cement, and five parts sand by volume.
3.Use type S mortar for masonry in contact with earth.
a. Type S mortar shall be one half part portland cement, one part masonry cement, and four parts sand by volume.
C. Mortar type N:
1. Use type N for interior non–loading bearing walls.
2. Type N mortar shall be one part masonry cement and three parts sand by volume.

D. Unless specifically noted otherwise, no admixtures will be permitted.
E. Retempering will be allowed only as necessary to maintain flow.
F. Use no mortar more than two hours old.
G. Admix for mortar:
1. Product/manufacturer:
a. Acme Shield Integral Water Repellency System.
b. W. R. Grace Dry–Block.
2. The addition of this admix is to achieve water repellency. Make addition of admix under the direction of the manufacturer.

2.03 GROUT FOR BOND BEAMS, CORE FILLING, AND REINFORCED MASONRY:
A. One part Portland cement, three parts sand by volume. Where grout is required to be poured, add sufficient water to form a thick fluid. Shall meet or exceed ASTM C–476–80.
B. Aggregate for grout: ASTM C404–76, size no. 8.

2.04 CONTINUOUS WIRE REINFORCEMENT:
A. Provide welded wire units prefabricated in straight lengths of not less than 10', with matching corner and tee units. Fabricate from cold–drawn steel wire complying with ASTM A82, with deformed continuous side rods and plain cross–rods, and a unit width of 1–1/2" to 2" less than thickness of wall or partition.
B. Provide units fabricated as follows:
1. Ladder type fabricated with single pair of 9 ga. side rods and 9 ga. perpendicular cross–rods spaced not more than 16" o.c.
2. Interior walls: Fabricate from galvanized wire, .40 oz per sq. ft., conforming to ASTM A641, Class 1.
3. Exterior walls: Hot–dip galvanized after fabrication with 1.5 oz. zinc coating, ASTM A153, Class B2 if exposed to moisture and/or weather; .80 oz. zinc coating, ASTM A641, Class 3 if completely embedded in mortar or grout.

2.05 REINFORCING BARS:
A. Deformed steel, ASTM A615, Grade 60.

2.06 INTERSECTING WALL ANCHOR:
A. Z–type rigid steel bar 1/4" x 1" x 24" with 3" i.d. bends. Hot–dip galvanized after fabrication.
B. Install in alternate courses with horizontal wall reinforcing.
C. Block cores into which the ties are placed shall be filled with grout.

2.07 FLEXIBLE ANCHORS:
A. Where masonry is indicated to be anchored to structural framework with flexible anchors, provide 2–piece anchors which will permit horizontal and vertical movement of masonry but will provide lateral restraint.

2.08 CONCEALED FLASHING:
A. See Section 07651 Laminated Sheet Flashing.

2.09 PREMOLDED CONTROL JOINT STRIPS:
A. Solid rubber strips with a Shore A durometer hardness of 60 to 80, designed to fit standard sash block and maintain lateral stability in masonry wall, size and configuration as indicated.

PART 3 – EXECUTION

3.01 COORDINATION:
A. Carefully coordinate with all other Trades to ensure proper and adequate interface of the work of other Trades with the work of this Section.

3.02 GENERAL:
A. Thickness: Build masonry construction to the full thickness shown, except, build single–wythe walls (if any) to the actual thickness of the masonry units, using units of nominal thickness

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CERTIFICATE OF AUTHORIZATION
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CLIENT:
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PALM BEACH GARDENS, FL 33410

PROTOTYPE TEMPLATE:
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PROJECT INFORMATION:
TIRE KINGDOM
STORE 937
SEC OF TAMIAMI TRAIL & SUMTER CROSSING DRIVE
NORTH PORT, FLORIDA 34287

ISSUE

BID SET
01/10/2020

PROJECT NO.: 2018-1035
DRAWN BY: CJB
CHECKED BY: EKB

ISSUE	DATE
PERMIT PLAN REVIEW	12-AUG-2019
BID SET	09-DEC-2019

REVISION	DATE

SHEET TITLE:
SPECIFICATIONS

SHEET NUMBER:
A10.2