1. Re-inspection: Request re-inspection when the Work identified in previous inspections as incomplete is completed or corrected.
2. Results of completed inspection will form the basis of requirements for Final Completion.

5.3 FINAL COMPLETION

A. Preliminary Procedures: Before requesting final inspection for determining date of Final Completion, complete the following:
1. Submit a Final Application for Payment.
2. Submit inspection list of items to be completed or corrected (punch list). The list shall state that each item has been completed or otherwise resolved for acceptance.
3. Submit evidence of final, continuing insurance coverage complying with insurance requirements.
4. Instruct Owner's personnel in operation, adjustment, and maintenance of products, equipment, and systems.

B. Inspection: Submit a written request for final inspection for acceptance. On receipt of request, Owner will either proceed with inspection or notify Contractor of unfulfilled requirements.

1. Re-inspection: Request re-inspection when the Work identified in previous inspections as incomplete is completed or corrected.

1.4 LIST OF INCOMPLETE ITEMS (PUNCH LIST)

A. Preparation: Submit copies of list. Include name and identification of each space and area affected by construction operations for incomplete items and items needing correction including, if necessary, areas disturbed by Contractor that are outside the limits of construction.

1.5 WARRANTIES

A. Submittal Time: Submit written warranties on request of the Owner for designated portions of the Work where commencement of warranties other than date of Substantial Completion is indicated.

B. Organize warranty documents into an orderly sequence based on the table of contents of the Project Manual.

C. Provide additional copies of each warranty to include in operation and maintenance manuals.

D. Warranty Review

1. Dairy Queen will perform a warranty inspection 10 months from the date of substantial completion. It is recommended that the General Contractor attend this inspection, but not required.
2. All items discovered in need of warranty service and/or repair must be completed within 30 days of notification.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Cleaning Agents: Use cleaning materials and agents recommended by manufacturer or fabricator of the surface to be cleaned. Do not use cleaning agents that are potentially hazardous to health or property or that might damage finished surfaces.

PART 3 - EXECUTION

3.1 FINAL CLEANING

A. General: Provide final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturers written instructions.
1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a portion of Project:
a. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.
b. Sweep paved areas broom clean. Remove petrochemical spills, stains, and other foreign deposits.
c. Rake grounds that are neither planted nor paved to a smooth, even-textured surface.
d. Remove tools, construction equipment, machinery, and surplus material from Project site.
e. Remove snow and ice to provide safe access to building.
f. Clean exposed exterior and interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
g. Remove debris and surface dust from limited access spaces, including roofs, plenums, shafts, trenches, equipment vaults, manholes, attics, and similar spaces.
h. Sweep concrete floors broom clean in unoccupied spaces.
i. Clean transparent materials, including mirrors and glass in doors and windows. Remove glazing compounds and other noticeable, vision-obscuring materials. Replace chipped or broken glass and other damaged transparent materials. Polish mirrors and glass, taking care not to scratch surfaces.
j. Remove labels that are not permanent.
k. Touch up and otherwise repair and restore marred, exposed finishes and surfaces. Replace finishes and surfaces that cannot be satisfactorily repaired or restored or that already show evidence of repair or restoration.
l. Do not paint over "UL" and similar labels, including mechanical and electrical nameplates.
l. Wipe surfaces of mechanical and electrical equipment and similar equipment. Remove excess lubrication, paint and mortar droppings, and other foreign substances.
m. Replace parts subject to unusual operating conditions.
n. Clean plumbing fixtures to a sanitary condition, free of stains, including stains resulting from water exposure.
o. Replace disposable air filters and clean permanent air filters. Clean exposed surfaces of diffusers, registers, and grills.
p. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency. Replace burned-out bulbs, and those noticeably dimmed by hours of use, and defective and noisy starters in fluorescent and mercury vapor fixtures to comply with requirements for new fixtures.
q. Leave Project clean and ready for occupancy.

D. Comply with safety standards for cleaning. Do not burn waste materials. Do not bury debris or excess materials on Owner's property. Do not discharge volatile or harmful or dangerous materials into drainage systems. Remove waste materials from Project site and dispose of lawfully.

END OF SECTION 01770

SECTION 02000 - SITEWORK

PART 1 - GENERAL

1.1 SUMMARY

A. The construction documents prepared by American Dairy Queen cover the site work 5'-0" out from the building with the exception of details for yard equipment provided to the Owner (Franchisee) by American Dairy Queen.

B. The Owner (Franchisee) has been advised by American Dairy Queen to contract with a licensed professional to prepare site Construction Documents relating to development of the site outside of the 5'-0" line.

C. The Owner/tenant is advised to have a soils investigation performed and a report generated by a licensed professional making recommendations for footing/foundation design and bituminous parking composition. This document shall become part of the Contract Construction Document. Assumptions have been made regarding the soil bearing capacity and the building foundation design then noted on the Drawings (sheet A-1) and in the Project Manual. Revisions may be necessary as a result of the soil test, state, or county codes.

D. It shall be the responsibility of the franchisee and his contractors to verify these assumptions. It is also the franchisee and his contractor's responsibility to make necessary revisions to the building structure and the parking lot design. All necessary information to be noted on Documents provided by the Owner/tenant's local civil/structural engineering firm, to include final site and grading plan Documents.

E. The intent of this Division is to provide a guideline for Site Development. Recommendations and Specifications prepared by the Owner's (Franchisee's) consultants may take precedence over the Sections contained herein. In no instance is American Dairy Queen to be held responsible for the recommendations and specifications of the owner's (Franchisee's) consultants.

PART 2 - PRODUCTS (Not Used)
PART 3 - EXECUTION (Not Used)
END OF SECTION - 02000

SECTION 02520--PORTLAND CEMENT CONCRETE PAVING

General: Extent of portland cement concrete paving is shown on Drawings prepared by others, including curbs, gutters, walkways, and pavement.

Forms: Forms shall be wood, steel, or other suitable material of size and strength to resist movement during concrete placement and to retain horizontal and vertical alignment until removal. Use straight forms, free of distortion and defects. Use flexible spring steel forms or laminated boards to form radius bends as required.

Set forms at required grades and lines. Top of forms tolerance is not more than 1/8 inch in 10 feet. Vertical face on longitudinal axis, not more than 1/4 inch in 10 feet. Automatic machine may be used for curb and gutter placement at Contractor's option.

Concrete Mix: Comply with requirements of applicable Division 3 sections for concrete mix design. Design mix to produce normal weight concrete consisting of portland cement, aggregate, water reducing admixture, air-entraining admixture, and water to produce a compressive strength of 3,000 psi, minimum at 28 days and air content of 5 to 8 percent.

Reinforcement: Furnish welded plain cold-drawn steel wire fabric conforming to ASTM A 185 in flat sheets, not rolls. Reinforcing bars are deformed steel bars conforming to ASTM A 615, grade 60. Locate and place reinforcement as indicated, support reinforcement during placement of concrete so as to maintain it's position in section.

Concrete Placement: Place by methods that prevent segregation of mix. Consolidate with hand vibrator. Use only square-faced shovels for hand-spreading and consolidation. Consolidate with care to prevent dislocation of reinforcing, dowels, and joint devices.

Use bonding agent at locations where fresh concrete is placed against hardened or partially hardened concrete surfaces. Deposit and spread concrete in continuous operation between transverse joints as far as possible. If interrupted for more than 1/2 hour, place a construction joint.

Concrete Finishing: After striking off and consolidating concrete, smooth surface by screening and floating. Use hand methods only where mechanical floating is not possible. Adjust floating to compact surface and produce uniform texture. Work edges of slabs, gutters, back top edge of curb, and formed joints with an edging tool, and round 1/2 inch radius unless otherwise indicated.

After completion of floating and when excess moisture or surface sheen has disappeared, complete troweling and finish surface by drawing a fine hair broom across concrete surface perpendicular to line of traffic. On incline surfaces, provide a course, non-slip finish by scoring surface with a stiff bristled broom perpendicular to line of traffic.

STAMPED CONCRETE
Stamped concrete to be by Increte Systems, Inc. 1611 Gunn Highway, Odessa, Florida 33556, 800-752-4626.
Pattern: Notched English
Color: 50% Sun Buff color hardener, 50% Sand Buff color hardener, Darkgrey release.

General: Description of work: To provide approximately four inches of concrete that shall be colored with Increte Systems Color Hardener. Using Increte Systems Color Release Agent, the surface shall then be textured using the Increte Systems line of stamped concrete tools, then sealed with Increte Systems Clear Seal.

Related Work: Earthwork, Concrete Reinforcement, Expansion and Control Joints.

Protection: Increte shall be protected against undue spillage and damage by other trades by the use of reasonable care and precaution once properly installed.

Submittals: Increte sample shall be submitted for approval of color and texture.

Job Mock-Ups: Prior to installation of Increte, contractor shall provide an 8'x8' mock-up at the job site. Architect shall approve color, texture and workmanship of the mock-up, then retain as a standard for judging completed work.

Product: All materials (Stamped Concrete Tools, Dry Shake Coloring Agent, Pigmented Release Agent, Clear Protective Coating) as manufactured by Increte Systems, Inc.

Installation: Concrete mix design shall contain a minimum of 5 1/2 sacks of type 1,2,or 5 Portland Cement, depending on soil conditions Concrete shall have a minimum compressive strength of 3,000 psi after 28 days. Maximum slump shall be 4 inches. Air entrainment shall be used in all concrete that is placed on grade and subjected to freeze-thaw conditions. Fiber modified concrete is permissible. Expansion joints shall be used as in standard concrete practices.

Concrete shall be placed and screeded to the desired grade, and then floated, using standard concrete practices.

Apply an even application of Increte Color Hardener to the concrete surface, using the standard dry-shake method. Product shall be applied in accordance with manufacturer's specifications. At least two applications shall be required. Float after each application.

Before Increte tools are applied to the concrete surface, apply Increte Release Agents in accordance with manufacturer's specifications.

While concrete is still in its plastic state, apply the desired Increte tool pattern to the surface of the concrete. Tools shall be properly tamped into the surface to achieve the desired texture.

Control joints shall be cut at pre-determined areas no later than 12 hours after concrete has been placed. Excess Increte Release Agent shall be removed in accordance with manufacturer's specifications.

Increte shall then be sealed with a minimum of one coat of Increte Clear Seal. Product shall be applied in accordance with manufacturer's specifications.

END OF SECTION 02520

SECTION 03000
03300 - CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 SUMMARY

A. This Section specifies cast-in-place concrete, including formwork, reinforcement, concrete materials, mixture design, placement procedures, and finishes.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.
B. Design Mixtures: For each concrete mixture.
C. Shop Drawings: For steel reinforcement.
D. Material test reports and certificates.

1.3 QUALITY ASSURANCE

A. Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C 94/C 94M requirements for production facilities and equipment.
1. Manufacturer certified according to NRMCA's "Certification of Ready Mixed Concrete Production Facilities."
B. ACI Publications: Comply with the following unless modified by requirements in the Contract Documents:
1. ACI 301, "Specification for Structural Concrete," Sections 1 through 5.
2. ACI 117, "Specifications for Tolerances for Concrete Construction and Materials."

PART 2 - PRODUCTS

2.1 FORM-FACING MATERIALS

A. Formed Finished Concrete: Form-facing panels that will provide continuous, true, and smooth concrete surfaces. Furnish in largest practicable sizes to minimize number of joints.

2.2 STEEL REINFORCEMENT

A. Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (Grade 420), deformed.
B. Plain-Steel Welded Wire Reinforcement: ASTM A 185, plain, fabricated from as-drawn steel wire into flat sheets.
C. Deformed-Steel Welded Wire Reinforcement: ASTM A 497, flat sheet.
D. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars and welded wire reinforcement in place. Manufacture bar supports from steel wire, plastic, or precast concrete according to CRSI's "Manual of Standard Practice."

2.3 CONCRETE MATERIALS

A. Cementitious Material: Use the following cementitious materials, of the same type, brand, and source, throughout Project:
1. Portland Cement: ASTM C 150, Type I. Supplement with the following:
a. Fly Ash: ASTM C 618, Class C.
B. Normal-Weight Aggregates: ASTM C 33, graded, 1-1/2-inch (38-mm) nominal maximum coarse-aggregate size for footings. 3/4-inch (19-mm) nominal maximum coarse-aggregate size for all other concrete.
1. Fine Aggregate: Free of materials with deleterious reactivity to alkali in cement.
C. Water: ASTM C 94/C 94M and potable.
D. Air-Entraining Admixture: ASTM C 260.
E. Chemical Admixtures: Provide admixtures certified by manufacturer to be compatible with other admixtures and that will not contribute water-soluble chloride ions exceeding those permitted in hardened concrete. Do not use calcium chloride or admixtures containing calcium chloride.
1. Water-Reducing Admixture: ASTM C 494/C 494M, Type A.
2. Retarding Admixture: ASTM C 494/C 494M, Type B.
3. Water Reducing and Retarding Admixture: ASTM C 494/C 494M, Type D.
4. High-Range, Water-Reducing Admixture: ASTM C 494/C 494M, Type F.
5. High-Range, Water-Reducing and Retarding Admixture: ASTM C 494/C 494M, Type G.
6. Plasticizing and Retarding Admixture: ASTM C 1017/C 1017M, Type II.
F. Synthetic Fiber: Monofilament polypropylene fibers engineered and designed for use in concrete pavement, complying with ASTM C 1116, Type III, 1/2 to 1-1/2 inches (13 to 38 mm) long.

2.4 VAPOR RETARDERS

A. Plastic Vapor Retarder: ASTM E 1745, Class B. Include manufacturer's recommended adhesive or pressure-sensitive tape.

2.5 CURING MATERIALS

A. Evaporation Retarder: Waterborne, monomolecular film forming, manufactured for application to fresh concrete.
B. Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. (305 g/sq. m) when dry.
C. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet.
D. Water: Potable.
E. Clear, Waterborne, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B, nondissipating, certified by curing compound manufacturer to not interfere with bonding of floor covering.

2.6 RELATED MATERIALS

A. Expansion- and Isolation-Joint-Filler Strips: ASTM D 1751, asphalt-saturated cellulosic fiber.

2.7 CONCRETE MIXTURES

A. Prepare design mixtures for each type and strength of concrete, proportioned on the basis of laboratory trial mixture or field test data, or both, according to ACI 301.
B. Proportion normal-weight concrete mixture as follows:
1. Minimum Compressive Strength: See Structural Notes.
2. Maximum Water-Cementitious Materials Ratio: 0.50 for Slab on Grade, 0.45 for exterior concrete and 0.55 for Footings.
3. Slump Limit: 4 inches (100 mm) before adding high-range, water-reducing admixture or plasticizing admixture, plus or minus 1 inch (25 mm).
4. Air Content: 6 percent, plus or minus 1.5 percent at point of delivery for 3/4-inch (19-mm) nominal maximum aggregate size.
5. Air Content: Do not allow air content of troweled finished floors to exceed 3 percent.
6. Synthetic Fiber: Uniformly disperse in concrete mixture at manufacturer's recommended rate, but not less than 1.5 lb/cu. yd. (0.9 kg/cu. m).

2.8 FABRICATING REINFORCEMENT

A. Fabricate steel reinforcement according to CRSI's "Manual of Standard Practice."

2.9 CONCRETE MIXING

A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94/C 94M, and furnish batch ticket information.
When temperature is between 85 and 90 deg F (30 and 32 deg C), reduce mixing and delivery time to 1-1/2 hours; 75 minutes; when air temperature is above 90 deg F (32 deg C), reduce mixing and delivery time to 60 minutes.

PART 3 - EXECUTION

3.1 FORMWORK

A. Design, erect, shore, brace, and maintain formwork according to ACI 301 to support vertical, lateral, static, and dynamic loads, and construction loads that might be applied, until structure can support such loads.
B. Construct formwork so concrete members and structures are of size, shape, alignment, elevation, and position indicated, within tolerance limits of ACI 117.
C. Chamfer exterior corners and edges of permanently exposed concrete.

3.2 EMBEDDED ITEMS

A. Place and secure anchorage devices and other embedded items required for adjoining work that is attached to or supported by cast-in-place concrete. Use setting drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.

3.3 VAPOR RETARDERS

A. Plastic Vapor Retarders: Place, protect, and repair vapor retarders according to ASTM E 1643 and manufacturer's written instructions.
1. Lap joints 6 inches (150 mm) and seal with manufacturer's recommended tape.

3.4 STEEL REINFORCEMENT

A. General: Comply with CRSI's "Manual of Standard Practice" for placing reinforcement.
1. Do not cut or puncture vapor retarder. Repair damage and reseal vapor retarder before placing concrete.

3.5 JOINTS

A. General: Construct joints true to line with faces perpendicular to surface plane of concrete.
B. Construction Joints: Install so strength and appearance of concrete are not impaired, at locations indicated or as approved by Architect.
C. Contraction Joints in Slabs-on-Grade: Form weakened-plane contraction joints, sectioning concrete into areas as indicated. Construct contraction joints for a depth equal to at least one-fourth of concrete thickness as follows:
1. Sawed Joints: Form contraction joints with power saws equipped with shatterproof abrasive or diamond-rimmed blades. Cut 1/8-inch- (3.2-mm-) wide joints into concrete when cutting action will not tear, abrade, or otherwise damage surface and before concrete develops random contraction cracks.
D. Isolation Joints in Slabs-on-Grade: After removing formwork, install joint-filler strips at slab junctions with vertical surfaces, such as column pedestals, foundation walls, grade beams, and other locations, as indicated.

3.6 CONCRETE PLACEMENT

A. Before placing concrete, verify that installation of formwork, reinforcement, and embedded items is complete and that required inspections have been performed.
B. Deposit concrete continuously in one layer or in horizontal layers of such thickness that no new concrete will be placed on concrete that has hardened enough to cause seams or planes of weakness. If a section cannot be placed continuously, provide construction joints as indicated. Deposit concrete to avoid segregation.
1. Consolidate placed concrete with mechanical vibrating equipment according to ACI 301.
C. Cold-Weather Placement: Comply with ACI 306.1.
D. Hot-Weather Placement: Comply with ACI 301.

3.7 FINISHING FORMED SURFACES

A. Smooth-Formed Finish: As-cast concrete texture imparted by form-facing material, arranged in an orderly and symmetrical manner with a minimum of seams. Repair and patch tie holes and defects. Remove fins and other projections that exceed specified limits on formed-surface irregularities.
1. Apply to concrete surfaces exposed to public view or to be covered with a coating or covering material applied directly to concrete.
B. Related Unformed Surfaces: At tops of walls, horizontal offsets, and similar unformed surfaces adjacent to formed surfaces, strike off smooth and finish with a texture matching adjacent formed surfaces. Continue final surface treatment of formed surfaces uniformly across adjacent unformed surfaces, unless otherwise indicated.

3.8 FINISHING FLOORS AND SLABS

A. General: Comply with ACI 302.1R recommendations for screeding, restraightening, and finishing operations for concrete surfaces. Do not wet concrete surfaces.
B. Trowel Finish: After applying float finish, apply first troweling and consolidate concrete by hand or power-driven trowel. Continue troweling passes and restraighten until surface is free of trowel marks and uniform in texture and appearance. Grind smooth any surface defects that would telegraph through applied coatings or floor coverings.
1. Apply a trowel finish to surfaces exposed to view or to be covered with resilient flooring, carpet, ceramic or quarry tile set over a cleavage membrane, paint, or another thin-film-finish coating system.
2. Finish and measure surface so gap at any point between concrete surface and an unleveled, freestanding, 10-foot- (3.05-m-) long straightedge resting on 2 high spots and placed anywhere on the surface does not exceed 1/4 inch (6 mm).
C. Broom Finish: Apply a broom finish to exterior concrete platforms, steps, and ramps, or as indicated on construction documents.

3.9 CONCRETE PROTECTING AND CURING

A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and ACI 301 for hot-weather protection during curing.
B. Evaporation Retarder: Apply evaporation retarder to unformed concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 lb/sq. ft. x h (1 kg/sq. m x h) before and during finishing operations. Apply according to manufacturers written instructions after placing, screeding, and bull floating or darbying concrete, but before floating finishing.
C. Cure concrete according to ACI 308.1, by one or a combination of the following methods:
1. Moisture Curing: Keep surfaces continuously moist for not less than seven days.
2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width with sides and ends lapped at least 12 inches (300 mm), and sealed by waterproof tape or adhesive. Cure for not less than seven days. Immediately repair any holes or tears during curing period using cover material and waterproof tape.
3. Curing Compound: Apply uniformly in continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Maintain continuity of coating and repair damage during curing period.
a. After curing period has passed, remove curing compound without damaging concrete surfaces by method recommended by curing compound manufacturer unless manufacturer certifies curing compound will not interfere with bonding of floor covering used on Project.
4. Curing and Sealing Compound: Apply uniformly to slabs indicated in a continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Repeat process 24 hours later and apply a second coat. Maintain continuity of coating and repair damage during curing period.

3.10 CONCRETE SURFACE REPAIRS

A. Defective Concrete: Repair and patch defective areas when approved by the Owner. Remove and replace concrete that cannot be repaired and patched to Owner's approval.

3.11 FIELD QUALITY CONTROL

A. Testing and Inspecting: Owner will engage a qualified independent testing and inspecting agency to perform field tests and inspections and prepare test reports.
1. Testing Services: Tests shall be performed according to ACI 301.

END OF SECTION 03300

DIVISION 4--MASONRY
SECTION 04200--UNIT MASONRY

SECTION 04 20 00

UNIT MASONRY
PART 1 GENERAL
1.1 SUMMARY
A. Provide unit masonry construction.
1.2 SUBMITTALS
A. No submittals required.
1.3 QUALITY ASSURANCE
A. Fire Performance for Fire-Rated Brick and Concrete Block Assemblies: ASTM E 119.
B. Testing: Independent Testing Laboratory.
C. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
PART 2 PRODUCTS
2.1 MATERIALS
A. Concrete Masonry Units:
1. Application: Concrete masonry bearing walls.
2. Concrete Masonry Units: ?STM C 90, 1500 f'm compressive strength:
3. Size: Face dimension of 7-5/8 inches high by 15-5/8 inches long by width required for application.
4. Special Shapes: As required by building configuration.
5. Bond Pattern: Running Bond.
6. Integral Water Repellent: Liquid polymeric admixture.
B. Masonry Accessories:
1. Cavity Drainage Material
2. Loose-Granular Fill Insulation.
3. Nonmetallic expansion joint strips.
4. Preformed control joint gaskets.
5. Bond breaker strips.
2.2 MORTAR AND GROUT MIXES
A. General: Do not use admixtures, unless otherwise indicated
1. Do not use Calcium Chloride in mortar or grout.
2. Limit cementitious materials in mortar for exterior and reinforced masonry to Portland cement and lime
3. Add cold weather admixture (if used) at same rate for all mortar that will be exposed to view, regardless of weather conditions, to ensure that mortar color is consistent.
B. Mortar for Unit Masonry: Comply with ASTM C 270, proportion specification.
1. For masonry below grade or in contact with earth, use type M.
2. For exterior, above grade, load bearing and non load bearing partitions; and for other applications where another type is not indicated, use type N.
C. Grout for Unit Masonry: Comply with ASTM C 476.
1. Use grout of type indicated, or if not otherwise indicated, of type (fine or coarse) that will comply with Table 1.1B1 in ACI 530.1/ASCE 6/TMS 602 for dimensions of grout spaces and pour height.
2. Provide grout with a slump of 8 to 10 inches as measured according to ASTM C 143/C 143M.
PART 3 EXECUTION
3.1 INSTALLATION
A. Installation of Masonry Assemblies:
1. Comply with PCA Recommended Practices for Laying Concrete Block, Brick Institute of America BIA Tech Notes, and NCMA TEK Bulletins.
2. Comply with cold weather and warm weather protection procedures as recommended in BIA Tech Notes.
3. Provide fire-rated assemblies complying with ASTM E 119.
4. Sancut units when required. Maintain uniform joint width. Provide full bed, head and collar joints except at weepholes.
5. Coordinate installation of flashings.
6. Comply with applicable codes and regulations for spacing of ties and horizontal reinforcing.
7. Provide expansion and control joints in accordance with BIA and NCMA recommendations.
8. Remove and replace damaged units.
9. Clean concrete masonry by dry brushing, NCMA TEK No. 28.

END OF SECTION

SECTION 0472--CAST STONE MASONRY

PART 1 GENERAL 1.1 SUMMARY A. Provide cast stone fabrications.
1.2 SUBMITTALS
A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used.
B. Samples: 12"x12" Panel containing full size samples of specified cast stone masonry showing full range of colors and textures complete with mortar.
1.3 QUALITY ASSURANCE
A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
B. Standard: Manufacturer is a producing member of the Cast Stone Institute or has on file and follows a written quality-control plan that includes all elements of the Cast Stone Institute's "Quality Control Procedures Required for Plant Inspection."
C. Testing: Independent testing laboratory.
D. Mock-Ups: Provide mock-up as required to demonstrate quality of workmanship.
PART 2 PRODUCTS

Order Plans @ WWW.IDL.COM

JAMES E. WILKERSON
A.I.A.
119 East Tallulah Drive
Greenville, S.C. 29605
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FLA REG. AR0015603

JOB NO. 202016

DQ GRILL & CHILL
US HWY 90 (LOT 2)
GLEN ST MARY, FL
32040

GRILL & CHILL
AMERICAN DAIRY QUEEN
MINNEAPOLIS, MN U.S.A.

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BUILDING TYPE:
DAIRY QUEEN GRILL & CHILL
CORE66
STORE No. 45961

DRAWN, CHECKED, & APPROVED BY: ADQ DESIGN-ARCHITECTURE-CONSTRUCTION (DAC) DEPARTMENT

NORTH
THIS IS "PLAN" NORTH FOR ACTUAL BUILDING ORIENTATION REFER TO SITE PLAN (BY OTHERS)

ISSUE DATE: 10/30/2020

REVISION DATE:
10/30/2020 1 ISSUE FOR CONSTRUCTION
2
3
4
5
6

SPECIFICATIONS
-
-

SHEET NUMBER:
A8.2