## GENERAL

The building shall be designed such that there is maintained an absolute minimum of 68' 1 1/2" from face-of-column to face-of-column on the sales floor.

## SLAB ON GRADE

Except at doors at the perimeter of the facility, the slab on grade shall be isolated from the building columns and any perimeter grade beams or walls. The slab on grade shall receive a hard steel trowel finish. Saw-cut contraction joints a minimum of 1/4" the depth of the slab shall be provided in both principal directions across the entire floor slab, spaced no further than 13 feet on center and providing panels with an aspect ratio no greater that 1.5:1. Refer to Control Joint Spacing Plan on sheet S-2. The joints shall be cut within 12 hours of initial concrete placement and following 90 days the joints shall be filled flush with Polyuria joint filler, then shaved.
Following finishing, the slab shall be cured with either "Retro-guard Heavy Duty Stain Inhibitor & Sealer" or shall receive a water cure for a minimum of 7 days. The slab shall be protected from the effects of heat or wind as necessary to avoid any curling of the slab segments.

The slab shall conform to the following flatness and levelness criteria:

| | |
|---|---|
| Flatness | No more than 1/8"+/- over any 10 feet |
| Levelness | No more than 1/8"+/- over any 20 feet |
| Tolerance Band for Entire Floor | +/- 0.375 inch |

Failure to achieve the above criteria shall be cause for replacement of the offending segments or grinding/polishing at no cost to the Owner or Tenant.

**REQUIRED PHOTOS:**
The following layout shows the required photos to be taken at completion.
(Make sure the overhead lights are on for your photos.)

1. From each corner of the receiving area, facing the opposite corner.
2. Hall (inside entrance stores, one picture from each end of the hall).
3. Standing 10' from the entrance facing the entrance.

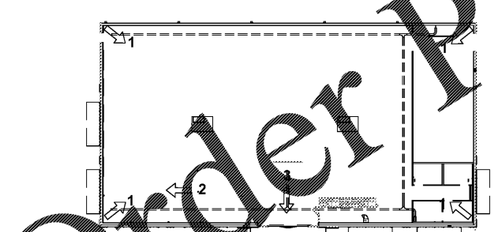


PHOTO KEY PLAN

POLISHED CONCRETE FLOOR SUMMARY

A. This section includes the following:
   1. Grinding & Polishing of Concrete
   2. Application of Retroplate 99 Densifier
   3. Application of Retro Guard.
   4. Installation of standard gray Polyurea joint fill.
   5. Mandatory pre-slab meeting.

B. Related Work:
   1.Section 03300 Cast-In-Place Concrete

C. CORPORATE ACCOUNT MANAGER: MICHAEL GREENFIELD
   PHONE: 817-470-7335
   EMAIL: michael@retroplatesystem.com

***ALL APPLICATORS ARE TO BE APPROVED IN WRITING ON ADVANCED FLOOR PRODUCTS LETTERHEAD REFERENCING DOLLAR GENERAL.

A. Pre-Installation Conference:
   1.Schedule and conduct pre-installation conference at Project site to establish guidelines and expectations for scheduling of floor treatment application, degree of polish, concrete finish specification, floor flatness, and similar issues. Ensure attendance at Pre-Installation Conference by at least:
      A. Dollar General Project Manager
      B. Flatwork Contractor
      C. Landlord's Representative
      D. Prime Contractor
      E. Applicable Subcontractors
      F. Certified Applicator

B. Product Variations: Retroplate
   1.The variegated colors and appearance are unique to each concrete surface and depend on the chemical composition, mix design, porosity, age, texture and color of the concrete substrate. Mottling and wide variations in color and intensity may occur. If contaminants remain on the surface, the penetration of the Retroplate may be blocked. Concrete from different loads or pours, and in patched areas, may appear significantly different from adjacent areas, when treated with Retroplate.

C. Fly Ash
1. No more than 20% of the weight of the Portland Cement should be substituted with fly ash. If fly ash is to be substituted, Class C is minimum.

QUALITY ASSURANCE

A. Installer Qualifications:
1. Use a Dollar General certified installer with adequate number of skilled workman who are approved in writing by the manufacturer for Dollar General projects, NO EXCEPTIONS.
2. Applicator shall be familiar with the specified requirements and the methods needed for proper performance of work of this section. Applicator must have availability of proper equipment to perform work within scope of this project on a timely basis. Applicator should have successfully performed a minimum of 5 projects of at least 6000 square feet each.

B. Manufacturer's Qualifications:
1. Provide letter of certification from Advanced Floor Products stating that installer is certified for Dollar General Projects. Not all applicators are approved.

C. Protection:
1. No satisfactory chemical or cleaning procedure is available to remove petroleum stains from the concrete surface. Prevention is therefore essential.
A. All Hydraulic powered equipment must be diapered to avoid staining of the concrete.
B. No trade will park vehicles on the inside slab. If necessary to complete their scope of work, drop cloths will be placed under vehicles at all times.
C. No pipe cutting machine will be used on the inside floor slab.
D. Steel will not be placed on interior slab to avoid rust staining.
E. All equipment must be equipped with non-marking tires.
F. Do not drag or drop equipment or material across the slab which will scratch or chip it.
G. Protect the floor from drywall mud splatters.

DELIVERY, STORAGE AND HANDLING

A. Deliver materials in original containers, with seals unbroken, bearing manufacturer labels indicating brand name and directions for storage.

B. Dispense special concrete finish material from factory numbered and sealed containers. Maintain record of container numbers.

PROJECT CONDITIONS

A. Environmental limitations: Comply with manufacturer's written instructions for substrate temperature and moisture content, ambient temperature and humidity, ventilation, and other conditions affecting topping performance.
   1. Concrete must have an average Floor Flatness rating of at least 35 +/- 5.
   2. Concrete must have an average Floor Levelness rating of at least 30 +/- 5.
   3. Concrete must be cured a minimum of 28 days or as directed by the manufacturer before application of Retro Plate can begin.
   4. Application of Retro-Plate shall take place prior to installation of equipment, thus providing a complete, uninhibited concrete slab for application.
   5. Close areas to traffic during floor application.
   6. The completed Retroplate slab will be covered to prevent damage by the other trades during store completion.
   7. Landlord will be responsible for providing a dumpster for disposal of products.

PART 2 - PRODUCTS
MATERIALS AND MANUFACTURERS:

A. HARDENING/SEALING AGENT (No substitution):
   1.Retroplate 99 manufactured by Advanced Floor Products, Inc., P.O. Box 50533, Provo,Utah 84605.
   MICHAEL GREENFIELD 817-470-7335
   DOLLARGENERAL@RETROPLATESYSTEM.COM
      a. Performance Criteria:
         i. Abrasion Resistance: ASTM C779 - Up to 400% increase in abrasion resistance.
         ii. Impact Strength: ASTM C805 - Up to 21% increase impact strength.
         iii. Ultra Violet Light and Water Spray: ASTM G23-81 - No adverse effect to ultra violet & water spray.
         iv. Reflectivity: Up to 30% increase in reflectivity.
   2. Polyurea joint filler to be used in all control joints. Standard gray color. All joints are to be filled at the discretion of the certified installer.
   3. Retroguard Heavy Duty Stain Inhibitor and Sealer. (No substitution).
   4. Ameripolish "Edge Tint" (Midnight Black).

B. DIAMOND GRINDING AND POLISHING DISCS:
   Only grinding and polishing discs distributed by Advanced Floor Products are to be used. (No substitutions.)

RELATED MATERIALS:
A. Water.
   1. Potable and on site.
      A. Temporary power for grinding and polishing equipment will be provided by installer.

PART 3 - EXECUTION
SURFACE CONDITIONS:

A. GC or rep. to examine substrate, with installer present, for conditions affecting performance of finish. Correct conditions detrimental to timely and proper work. Do not proceed until unsatisfactory conditions are corrected.
B. GC or rep. to verify that base slab meets finish and surface profile requirements in Division 3 Section, Cast-In-Place Concrete, and Project Conditons above.
C. Prior to application, verify that floor surfaces are free of construction latent's. ONCE APPLICATOR ACCEPTS THE FLOOR THEY AND THEY ALONE ARE SOLELY RESPONSIBLE FOR THE SPECIFICATIONS TO BE MET.

WORKMANSHIP AND CLEANING:

A. The premises shall be kept clean and free of debris at all times.
B. Remove spatter from adjoining surfaces, as necessary.
C. Repair damages to surface caused by cleaning operations.
D. Remove debris from jobsite in accordance with local regulations.

SPECIFIC QUALIFICATIONS / EXCLUSIONS:
( NOTE: This section, though not mandatory, will greatly improve the understanding and necessary procedures for performing work properly.)

A. No other trades will be allowed in the area being worked on due to possible safety and floor contamination.
B. The areas to receive the Retroplate 99 System will be delivered to the applicator in clean and swept condition. All equipment and supplies will be removed prior to turning the space over to the applicator. If the applicator is required to clean the space, and/or move other's supplies, staging and equipment, it will be done at time and materials.
C. PROTECTION OF THE FLOOR FOLLOWING THE APPLICATION OF THE RETROPLATE 99 SYSTEM AND POLISHING IS THE RESPONSIBILITY OF THE OWNER.

Order Plans @ WWW.LINE.COM

Florida Business License: AA26001620

NORR

CONSULTANT:

SEAL:

THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION PURPOSES UNTIL THE SEAL AND SIGNATURE OF THE RESPONSIBLE REGISTRANT APPEARS ON THE DRAWING, AND PROPER PERMIT FORMS AND RELATED FEES ARE TRANSMITTED BY THE OWNER, OWNER'S AGENT OR CONTRACTOR TO THE AUTHORITY HAVING JURISDICTION.

| DATE | ISSUED FOR | REV |
|---|---|---|
| 01/17/2018 | PEMB COORDINATION | |
| 01/17/2018 | PERMIT SUBMITTAL | |

| | |
|---|---|
| **Project Manager** B.COLBURN | **Drawn** D. GRIFFIN |
| **Project Leader** B.COLBURN | **Checked** |
| **Date** 11/20/2017 | **Dept Mgr Approval** C MAEDA |

**Client**
Palmetto - Spring Hill Forest Rd., LLC.
P.O. BOX 1615
THOMASVILLE, GA 31792
Office: (229) 226-1177
Contact: Jeff Lazenby

**Project**
DOLLAR GENERAL
US 19 & Pine Forest Dr.
Spring Hill (Hernando County), FL

**Drawing Title**
RETROPLATE
WORK ORDER

DO NOT SCALE DRAWING

| Project No. | Drawing No. |
|---|---|
| JCDT17.0325.00 | S5 |