Project Information

MACC #	26-0417
Project #	26M070CN
Maximo #	5554609
Title	Building RR531-RR532 Flooring Repairs

Attachments

Division 01 MACC Specifications
Reference Floor Plan of Buildings

Scope of Work

1. General Scope of Services

The Contractor shall furnish all labor, materials, supervision, specialized equipment, and dust control systems required to scarify and clean the concrete surface to its final raw, non-skid finish. The work will take place in buildings RR531 and RR532 aboard MCB Camp Lejeune, Stone Bay.

The Contractor shall base their execution and pricing on the following verified quantities. Both buildings are identical in footprint, totaling 21,840 SF of floor preparation.

Item No.	Description of Work	Unit	Est. Quantity
01	Mechanical Scarification (Building RR531): Scarifying open concrete to a uniform non-skid texture (CSP 4-5).	SQ FT	10,920
02	Mechanical Scarification (Building RR532): Scarifying open concrete to a uniform non-skid texture (CSP 4-5).	SQ FT	10,920

Phase	Description of Tasks
Phase 1: Mobilization & Site Prep	• Establish safety perimeters, barricades, and dust-containment barriers. • Perform a visual inspection of the slab to mark expansion joints, drains, and any embedded metal (e.g., bolts, rebar) that could damage the scarifying drums.
Phase 2: Primary Mechanical Scarification	• Operate industrial, walk-behind concrete scarifiers fitted with tungsten carbide cutters. • Scarify the smooth concrete surface uniformly to a depth of 1/8 inch to create a rugged, high-traction texture.

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	• Maintain a consistent travel speed to ensure straight, uniform micro-grooves and avoid gouging or over-milling the slab.
Phase 3: Edge & Corner Texturing	• Utilize hand-held vertical scarifiers, shroud-equipped grinders, or needle scalers to texture concrete within 1 inch of walls, columns, door thresholds, and obstructions, matching the profile of the main floor.
Phase 4: Debris & Dust Extraction	• Connect all scarifying units directly to continuous-duty, HEPA-filtered industrial vacuum systems to collect silica dust at the source. • Execute a final double-pass HEPA vacuuming of the entire floor to completely remove all pulverized concrete dust, loose grit, and micro-aggregates from the newly created grooves.
Phase 5: Clean-up & Final Inspection	• Clean and demobilize equipment from the site. • Conduct a final physical walkthrough with the project manager to verify traction consistency and ensure no smooth spots remain.

2. Equipment & Tooling Specifications

Because this is a raw-finish project, the choice of equipment and drum setup is critical to achieving a walking surface that is highly slip-resistant but not destructively rough.

Equipment / Tooling	Requirement	Purpose
Concrete Scarifier	Multi-accessory drum walk-behind scarifier.	To mechanically mill the concrete surface.
Cutter Setup	Tungsten Carbide Star/Flail Cutters (closely spaced with washers on the drum shafts).	Creates closely spaced, sharp-crested ridges ideal for heavy-duty traction without leaving wide, easily broken grooves.
Dust Extractor	OSHA-compliant HEPA vacuum (minimum 300 CFM, equipped with automatic filter-pulse cleaning).	To extract 99.97% of airborne silica dust during the dry-milling process.

3. Quality Assurance & Acceptance Standards

- Uniform Profile: The finished surface must exhibit a consistent Concrete Surface Profile (CSP) of 4 to 5.
- Traction Level: The mechanically textured concrete must provide a high Coefficient of Friction (COF) under both dry and wet conditions, eliminating the slickness of the original smooth troweled finish.

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- Surface Integrity: The scarification process must not compromise the structural integrity of the slab. The contractor must adjust cutter depth to prevent heavy spalling, deep cracking, or fracturing of the underlying aggregate.

Scheduling and Access

Requirement	Details
Point of Contact	Joe Yager (Phone: 910-440-0026) is the primary contact for building access.
Working Hours	0730 to 1800, Monday through Friday.
Schedule Execution	The schedule is event-driven and may be adjusted if both the occupants and the contractor agree. Once commenced, work shall proceed continuously during established working hours to ensure timely completion.

Environmental & Safety

Category	Finding / Requirement
Hazardous Materials	None Identified
Environmental Requirements	None Identified

Administrative Requirements

Requirement Area	Details
Submittals	The contractor shall submit the manufacturer's product specifications—complete with technical product data for the materials being used—to the Contracting Officer. All submittals should be clearly marked with the corresponding project numbers.
Warranty	The flooring contractor shall provide a warranty per the attached Combined Division 01 Specifications.

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