PLEASE PLANT

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Product 3.1: Artificial Turf | GEO-TURF

SECTION 329200 – ARTIFICIAL TURF SYSTEMS
PART 1 – GENERAL

1.1 SUMMARY
A. Section Includes: Artificial turf systems for commercial, recreational, residential, and sports applications.
B. Related Sections:
Section 312000 – Earth Moving for substrate preparation.
Section 334600 – Subdrainage for drainage system coordination.

1.2 REFERENCES
A. ASTM F1551 – Standard Test Methods for Permeability of Artificial Turf Systems.
B. ASTM E108 – Standard Test Methods for Fire Testing of Roof Coverings.
C. EN71 – European Standard for Safety of Toys (applicable to child and pet safety).

1.3 SUBMITTALS
A. Product Data: Provide product specifications, performance ratings, and installation instructions.
B. Shop Drawings: Submit layout plans, pile height specifications, and drainage details.
C. Samples: Provide turf material and infill samples upon request.

1.4 QUALITY ASSURANCE
A. Manufacturer Qualifications: Minimum of 5 years of experience in producing artificial turf solutions.
B. Installer Qualifications: Certified professionals with experience in artificial turf installation.

1.5 DELIVERY, STORAGE, AND HANDLING
A. Protect turf rolls from UV exposure, moisture, and damage during transport and storage.
B. Store rolls horizontally on a dry, level surface.

1.6 WARRANTY
A. Provide manufacturer's standard warranty, including an 8-year structural warranty, 3 years on coatings and finishes, and 2 years on components. Consult terms and conditions for full warranty details per product type.

PART 2 – PRODUCTS

2.1 MANUFACTURER

A. Please Plant, 200-100 Park Royal S, Vancouver, BC
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2.2 ARTIFICIAL TURF SYSTEMS

A. Product Nomenclature: GEO-TURF-[Application Code]-[Pile Height]-[Color Code]
Application Code: COM (Commercial), REC (Recreational), SP (Sports), RES (Residential).
Pile Height: Specify in millimeters (e.g., 25MM, 40MM).
Color Code: GR (Green), TG (Two-Tone Green), NG (Natural Green).
Example: GEO-TURF-COM-40MM-TG (Commercial-grade turf, 40mm pile height, two-tone green).

2.3 MATERIALS

A. Turf Fibers:
Polyethylene or polypropylene fibers with a soft, natural feel.
UV-stabilized to prevent fading and degradation.
B. Backing System:
Latex or polyurethane with reinforced drainage holes for effective water management.
C. Infill Material:
Silica sand or rubber granules for fiber support and stability.
D. Performance:
Pile Height: Available in 25mm, 35mm, 40mm, and custom options.
Drainage Rate: 60 liters per minute per square meter, compliant with ASTM F1551.

2.4 DIMENSIONS AND CUSTOMIZATION

A. Roll Dimensions:
Standard Width: 12 feet.
Length: Up to 100 feet (custom sizes available).
B. Customization:
Color blends for natural aesthetics.
Inlaid lines or markings for sports fields.
Optional shock pad layers for additional cushioning.

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PART 3 – EXECUTION

3.1 EXAMINATION

A. Verify that substrate preparation complies with manufacturer's requirements for compacted, level, and well-drained surfaces.

B. Confirm compliance with shop drawings and field conditions before installation.

3.2 INSTALLATION

A. Substrate Preparation:

Install a layer of compacted crushed rock or sand base to ensure proper drainage.

B. Turf Installation:

Unroll turf and allow it to relax for 24 hours prior to cutting and fitting.

Cut turf to fit site dimensions, ensuring proper alignment.

Secure edges using nails, adhesive, or seam tape as specified.

C. Infill Application:

Spread infill material evenly across the turf surface.

Use a power brush to work infill into fibers and stand fibers upright.

3.3 CLEANING AND MAINTENANCE

A. Cleaning:

Remove debris using a leaf blower or soft-bristled brush.

Rinse periodically to remove dust and maintain appearance.

B. Maintenance:

Inspect turf and infill regularly for wear or damage.

Replenish infill material as needed to maintain fiber support.

3.4 PROTECTION

A. Protect installed turf from heavy equipment and construction activities until project completion.

END OF SECTION