

GENERAL:

1. ANY DISCREPANCIES FOUND IN THE DRAWINGS, THESE NOTES, AND ANY SITE CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER WHO SHALL RESPOND TO ANY DISCREPANCY IN WRITING. ANY WORK PERFORMED BY THE CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE PERFORMED AT THE CONTRACTOR'S RISK.
2. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE DIMENSIONS IN ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION METHODS, TECHNIQUES, SEQUENCING, AND SAFETY REQUIRED FOR THE WORK.
4. ALL SHADE STRUCTURES SHALL BE INSTALLED AT LEAST 6 INCHES FROM EXISTING STRUCTURES/OBSTRUCTIONS WHICH MAY BE DAMAGED BY DEFLECTION.
5. DO NOT SCALE THESE DRAWINGS. POST LOCATIONS WERE PROVIDED BY SHADE PRO, LLC. THESE DRAWINGS ARE NOT INTENDED TO BE USED FOR LAYOUT.
6. NO SPECIAL INSPECTIONS ARE REQUIRED.

DESIGN CODES:

1. ALL WORK AND MATERIALS SHALL BE IN GENERAL ACCORDANCE WITH THE 2021 INTERNATIONAL BUILDING CODE.

DESIGN LOADS:

1. DEAD LOADS:
- 1.1. STRUCTURE SELF-WEIGHT
2. LIVE LOADS: (NO REDUCTION PERMITTED)
- 2.1. ROOF LIVE LOAD: 5 PSF (FABRIC CONSTRUCTION SUPPORTED BY A SKELETON STRUCTURE)
3. SNOW LOADS:
- 3.1. FABRIC IS NOT DESIGNED FOR SNOW AND SHALL BE REMOVED WHEN SNOW LOADS GREATER THAN 0 PSF ARE EXPECTED.
4. WIND LOADS
- 4.3. BASIC WIND SPEED (3-SEC GUST): 98 MPH
- 4.4. RISK CATEGORY: I

STRUCTURAL STEEL:

1. ALL STRUCTURAL STEEL SHALL BE WELDED OR SEAMLESS.
2. ALL STEEL EXPOSED TO WEATHER, MOISTURE, OR SOIL SHALL BE CORROSION-PROTECTED. ACCEPTABLE PROTECTION INCLUDES:
- 2.1. POWDER COATING OR INDUSTRIAL COATING (ANSI/UL 1332)
- 2.2. HOT DIP GALVANIZED (ASTM A-123)
3. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
- 3.1. STRUCTURAL PLATE STEEL SHALL CONFORM TO ASTM A-36 (Fy = 36 KSI)
- 3.2. PIPE SECTIONS SHALL CONFORM TO ASTM A-53 Gr. B (Fy = 35 KSI)
- 3.3. HSS SECTIONS SHALL CONFORM TO ASTM A500 Gr. B (Fy = 46 KSI)
- 3.4. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185
- 3.5. BOLTS SHALL CONFORM TO ASTM A325
- 3.6. PERIMETER CABLE SHALL BE TENSIONED WITH 1/4" DIAMETER GALVANIZED 7x19 WIRE ROPE WITH A MINIMUM TENSILE STRENGTH OF 7,000 LBS.
4. ALL WELDING SHALL CONFORM TO AWS SPECIFICATIONS AND BE PERFORMED USING E70XX ELECTRODES.
5. NO FIELD WELDING SHALL BE DONE IN THE FIELD.
- 5.1. EXCEPTION: COLUMN SPLICES ARE PERMITTED FOR SECTIONS LOCATION WITHIN THE REINFORCED CONCRETE PIER WITH AN ALL-AROUND 1/4" FILLET WELD.

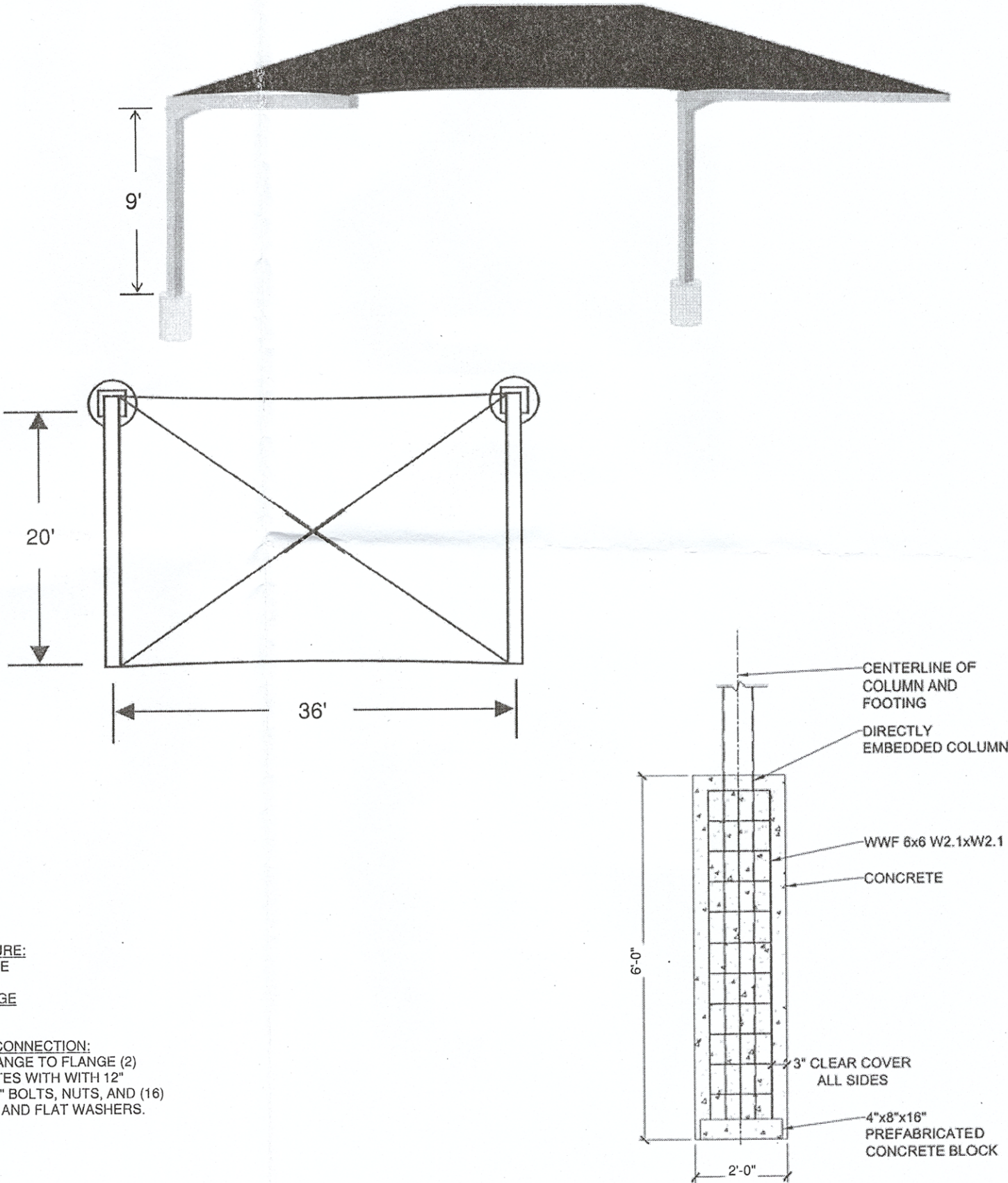
FOUNDATIONS:

1. NO CURRENT GEOTECHNICAL REPORT IS AVAILABLE.
2. PRESUMPTIVE VERTICAL FOUNDATION PRESSURE: 1,500 PSF
3. PRESUMPTIVE LATERAL BEARING PRESSURE: 100 PSF/FT
- 3.1 2x ALLOWED FOR CANTILEVER COLUMNS NOT SENSITIVE TO DEFLECTION.
4. CONCRETE SHALL BE NORMAL WEIGHT AND CONFORM TO THE FOLLOWING:
- 4.1. MINIMUM COMPRESSIVE STRENGTH, f_c: 3,000 PSI
- 4.2. MAXIMUM COARSE AGGREGATE SIZE: 1-INCH
- 4.3. MAXIMUM WATER TO CEMENT (W/C) RATIO: 0.54

FABRIC:

1. FABRIC SHALL BE 100% HIGH-DENSITY POLYETHYLENE WOVEN ARCHITECTURAL FABRIC MEMBRANE CANOPY COMMERCIAL 95 BY GALE PACIFIC.
2. FABRIC SHALL BE TESTED TO ASTM E-8400 MEETING CLASS A REQUIREMENTS AND NFPA 701-99 METHOD 2.
3. FABRIC TO BE SEWN WITH GORE/TENARA THREAD AND TENSIONED WITH PERIMETER WIRE ROPE.

(2 EA) 20'x36'x9' - Cantilever Hip Roof Structure



MEMBER SIZES:

COLUMNS:
HSS6x6x1/4

BEAMS:
HSS6x4x3/16

UPPER STRUCTURE:
2-7/8" SCH 40 PIPE

CENTER HIP RIDGE
3" SCH 40 PIPE

COLUMN-BEAM CONNECTION:
HORIZONTAL FLANGE TO FLANGE (2)
10"x30"x1/2" PLATES WITH WITH 12"
GUSSETS, (8) 5/8" BOLTS, NUTS, AND (16)
LOCK WASHERS AND FLAT WASHERS.



850 GLADES CT. NE ST.
PETERSBURG, FL 33702
TEXAS FIRM NO. F-23968

ENGINEER OF RECORD
CASEY D. SHANAHAN



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PERMANENT SHADE STRUCTURES

SHADEPRO, L.L.C.
8690 FM 306
NEW BRAUNFELS, TX 78132

PROJECT

PARAGON - UNIVERSITY PARK
ELEMENTARY
3500 LOVERS LANE
DALLAS, TX 75225

PROPERTY OWNER

PROPERTY DETAIL

PROJECT NUMBER
26TX022

ISSUE DATE
4/30/2026

REVISION NO.
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SHEET

A-001