

12345 Main St. Los Angeles

ATTACHMENT A **PLOT PLAN**



PURPOSE

1. THIS STANDARD PLAN PROVIDES STANDARD DETAILS AND SPECIFICATIONS THAT MAY BE USED FOR CONSTRUCTION DRAWINGS FOR FABRIC SHADE STRUCTURES FOR AL FRESCO PROEJCTS IN COMPLIANCE WITH THE LOS ANGELES BUILDING CODE.
2. ANY MODIFICATION TO THE STANDARD DETAILS AND NOTES SHALL REQUIRE AN AL FRESCO BUILDING PERMIT PER THE INFORMATION BULLETIN GUIDELINES FOR PLAN CHECK AND PERMIT REQUIREMENTS FOR AN OUTDOOR DINING AREA (AL FRESCO) ON PRIVATE PROPERTY.
3. IF THERE IS A DISCREPANCY OR CONFLICT IN THE STANDARD DETAILS AND NOTES WITH THE CURRENT LOS ANGELES BUILDING CODE, THE CURRENT BUILDING CODE SHALL PREVAIL.
4. THIS STANDARD PLAN SHALL NOT BE USED IN AREAS IDENTIFIED AS LIQUEFACTION ZONES, VHFSZ, FIRE DISTRICT 1 OR SPECIAL GRADING AREAS.

REINFORCED CONCRETE NOTES

1. CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301 AND BUILDING CODE ACI 318.
CONCRETE SPECIFICATIONS, SHALL BE AS FOLLOWS:
-28 DAY STRENGTH: 2500 PSI
-SLUMP: 3-5
-PORTLAND CEMENT SHALL CONFORM TO C-150
-AGGREGATE SHALL CONFORM TO ASTM C-33
2. ALL REINFORCEMENT STEEL SHALL CONFORM TO ASTM A-615 GRADE 60; AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301, ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE.
3. OWNER TO BE RESPONSIBLE FOR SITE DRAINAGE.
4. CONCRETE SHALL BE TESTED PER LABC 2023 SECTION 1903 AND SHALL BE INSPECT PER SECTION 1704.4.
5. STEEL REINFORCEMENT AND REBAR PLACEMENT SHALL BE INSPECTED PER SECTION 1704.4.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE C, UNLESS OTHERWISE NOTED, TYPICAL MECHANICAL PROPERTIES FOR HSS PRODUCTS:
SQUARE AND RECTANGULAR 50,000 PSI YIELD / 62,000 PSI TENSILE
ROUND PIPE 46,000 PSI YIELD / 62,000 PSI TENSILE
MIN PRODUCT SIZES: HSS8X8X5/8; 8" STD. ROUND PIPE
2. ALL GALVANIZED STEEL TUBE PRODUCTS ARE MANUFACTURED PER ASTM A500, TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR GALVANIZED TUBE PRODUCTS:
ROUND TUBE 45,000 PSI YIELD / 48,000 PSI TENSILE
3. ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50
4. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.
5. ALL SHOP WELDS SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY (AWS) D1.1 SPECIFICATIONS. ALL WELDS SHALL BE CONTINUOUS WHERE LENGTH IS NOT GIVEN, UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS. ALL WELDS SHALL BE MADE USING E70XX .045 WIRE.
6. SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED). ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" UNLESS OTHERWISE NOTED. FIELD WELDS SHALL NOT BE ALLOWED.
7. SHOP WELDS MUST BE PERFORMED IN A LADBS LICENSED FABRICATOR'S SHOP.
8. LADBS LICENSED FABRICATOR IS REQUIRED FOR STRUCTURAL STEEL.

FABRIC SPECIFICATION

1. FABRIC SHALL BE A HIGH DENSITY POLYETHYLENE WITH ULTRA VIOLET ADDITIVES, WITH MONOFILAMENT AND TAPE CONSTRUCTION GIVING A STABLE MATERIAL AND RACHEL KNITTED TO ENSURE MATERIAL WILL NOT UNRAVEL IF CUT.
2. FABRIC SPECIFICATIONS:
- | | SOLID COLORS | STRIPE COLORS | ASTM SPECS |
|----------------|------------------------------|----------------|------------|
| TEAR STRENGTH | WARP 220.46 LB | WARP 182.98 LB | D2261 |
| | WEFT 462.97 LB | WEFT 401.24 LB | D2261 |
| BURST STRENGTH | 37.71 PSIA | 33.07 PSIA | D6797 |
| FADING | MINIMUM FADING AFTER 5 YEARS | | |
3. THREAD-PTFE (TEFLON) USED MEET THE FOLLOWING SPECIFICATIONS: HIGH STRENGTH, LOW SHRINKAGE, WIDE TEMPERATURE RANGE, FLEX & ABRASION RESISTANT AND UV RADIATION IMMUNITY.
LOCKSTITCH - 1200 DENIER. CHAINSTITCH THREAD - 2400 DENIER
4. THE MEMBRANE MEETS THE REQUIREMENTS OF CBC 2022 SECTION 3105 FOR AWNINGS AND CANOPIES & LABC 2023.
REQUIRED FIRE TESTS ON FABRIC:
• CALIFORNIA STATE FIRE MARSHAL F-52001
• NFPA 701 TEST 1 OR 2
• ASTM E48 OR UL 723 WITH FLAME SPREAD INDEX (FSI) : 10 SMOKE DEVELOPED INDEX (SDI): 50

AIRCRAFT CABLE

1. WIRE ROPE CABLE SHALL BE 7x19 STRAND CORE GALVANIZED WIRE ROPE WITH A BREAKING STRENGTH VALUE OF 7,000 LBS (1/4" DIAMETER).
2. CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUNT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RETIGHTENING VISITS AS REQUIRED.

GEOTECHNICAL PARAMETERS

1. SOIL PARAMETERS ; TABLE 1806.2, CLASS : 5. ZERO PSF ALLOWABLE END BEARING PRESSURE, SKIN FRICTION 250 PSF/FT. ALLOWED LATERAL BEARING PRESSURE OF 100 PSF X 2 = 200 PSF BASED ON CBC 2022 1806.3.4 (INCREMENT FOR LIGHT POLES).
2. OWNER TO BE RESPONSIBLE FOR SITE DRAINAGE.
3. IF ADVERSE CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION MAY BE REQUIRED.

SPECIAL INSPECTION

1. STRUCTURAL TESTS AND STRUCTURAL OBSERVATIONS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF CHAPTER 17 OF THE 2023 LOS ANGELES BUILDING CODE.
2. ALL CONTINUOUS INSPECTIONS SHALL BE DONE BY AN LA CITY CERTIFIED DEPUTY INSPECTOR.
3. SPECIAL INSPECTION IS REQUIRED FOR WELDING OF STEEL ELEMENTS. ALL FULL PENETRATION WELDS SHALL BE CONTINUOUSLY INSPECTED PER AWS D1.1 AND D1.8.
4. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR SINGLE PASS FILLET WELDS NOT EXCEEDING 5/16 INCH IN SIZE.
5. THE WELDING SPECIAL INSPECTOR (AWS/CWI INSPECTOR) MUST INSPECT THE MATERIALS AND VERIFY THE WELDING PROCEDURES AND QUALIFICATIONS OF WELDERS PRIOR TO START TO WORK; INSPECT WORK IN PROGRESS DURING PERIODS STATED AND VISUALLY INSPECT ALL WELDS PRIOR TO COMPLETION OR PRIOR TO SHIPMENT OF WELDED COMPONENTS TO THE JOBSITE.
6. CONCRETE SHALL BE TESTED PER LABC 2023 SECTION 1903 AND SHALL BE INSPECTED PER SECTION 1704.4.
7. STEEL REINFORCEMENT AND REBAR PLACEMENT SHALL BE INSPECTED PER SECTION 1704.4.
8. CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTUION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/COMPONENT LISTED IN THE "STATEMENT OF SPECIAL INSPECTION" SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE LADBS INSPECTORS AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT PER SECTION 1709.1.

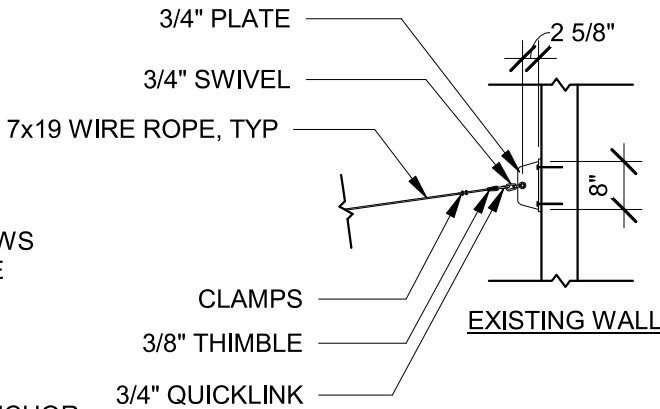
(E) WALL MATERIAL

WOOD

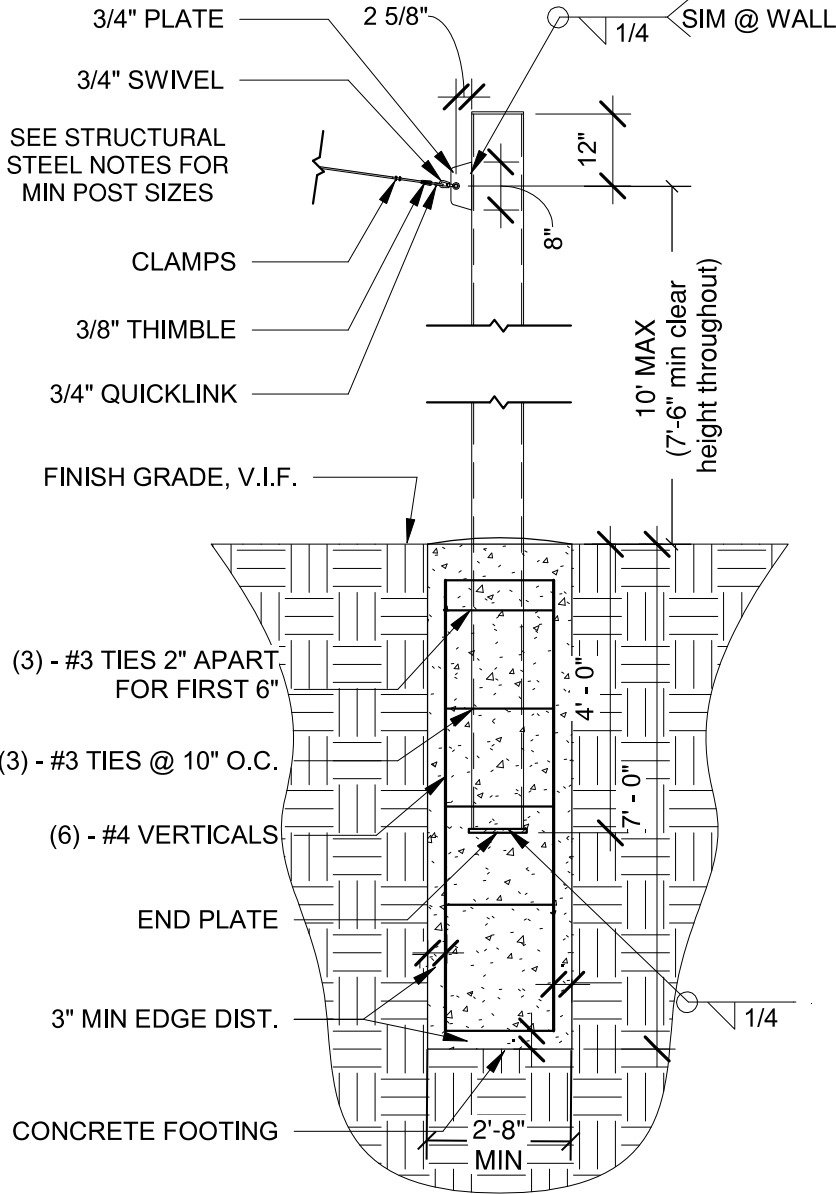
- (4) 1/2" x 4" LAG SCREWS
4" EDGE DISTANCE
1-1/2" SPACING
DF GRADE LUMBER

CONCRETE

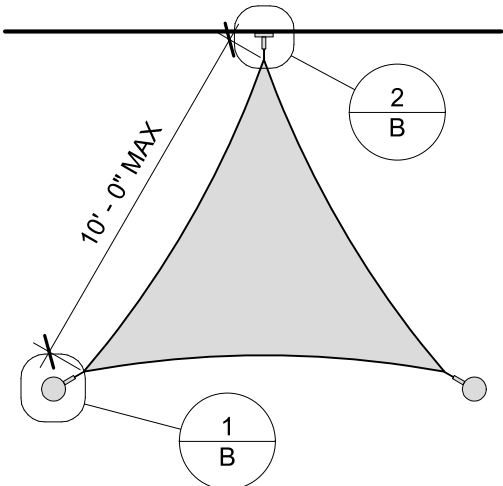
- (2) 1/2" EXPANSION ANCHOR
W/4" EMBEDMENT



2 WALL CONNECTION
3/8" = 1'-0"



1 COLUMN & FOOTING
3/8" = 1'-0"



B SHADE STRUCTURE PLAN
3/16" = 1'-0"



ATTACHMENT B
DETAILS & NOTES