Joe Frogge
Digitally signed by Joe Frogge
DN: CN=Joe Frogge, OU=Development, OU=LS Users, DC=COLS, DC=LOC
Date: 2022.04.12 16:10:34-05'00'

RELEASED FOR CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
04/12/2022

1 MAIN FLOOR OUTDOOR PAVILION
1/2" = 1'-0"

collins|webb ARCHITECTURE

AMERICAN FIRE BBQ STORE-TI
OUTDOOR PARKING PAVILION CONCEPT

Project No. 21011

7 JUNE 2021

A002

1. ALL WORK SHALL CONFORM TO 2018 INTERNATIONAL BUILDING CODE AS ADOPTED AND AMENDED BY THE CITY OF LEES SUMMIT, MISSOURI.
2. DESIGN LOADS
   - A. ROOF LOAD (18 PSF NET UPLIFT)
     - 1. DEAD LOAD — 20 PSF
     - 2. SNOW LOAD — 20 PSF
   - B. WIND LOADS
     - 1. BASIC WIND SPEED (3 SECOND GUST) — 115 MPH
     - 2. WIND IMPORTANCE FACTOR, I — 1.0
     - 3. BUILDING CATEGORY — II
     - 4. WIND EXPOSURE — B
     - 5. COMPONENTS AND CLADDING DESIGN VALUE (U.N.O.) — 25 PSF
   - C. SEISMIC LOADS
     - 1. CATEGORY — II
     - 2. S_S= — 0.128
     - 3. S_1= — 0.06
     - 4. SEISMIC IMPORTANCE FACTOR, I — 1.0
     - 5. SITE CLASS — D
     - 6. SEISMIC DESIGN CATEGORY — B
     - 7. DESIGN BASE SHEAR — 0.05
3. CONCRETE
   - A. CAST-IN-PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO LATEST APPLICABLE AMERICAN CONCRETE INSTITUTE DOCUMENTS, ACI-301, 305, 306, 315, 318, AND 347 UNLESS NOTED OTHERWISE IN THESE CONTRACT DOCUMENTS.
   - B. ALL CONCRETE, UNLESS NOTED OTHERWISE, SHALL DEVELOP A 28 DAY COMPRESSIVE STRENGTH AND HAVE MAXIMUM WATER/CEMENT RATIOS AS FOLLOWS:
     - 1. FOOTINGS, GRADE BEAMS, WALLS, BEAMS, COLUMNS: 4000 PSI (w/c MAX 0.45)
     - 2. SLAB ON GRADE: 4000 PSI (w/c MAX 0.42)
   - C. IT IS THE INTENT OF THESE CONCRETE NOTES THAT THE CONTRACTOR SUPPLY CONCRETE MIXES WITH A MINIMUM AMOUNT OF WATER IN ORDER TO LIMIT PLASTIC SHRINKAGE CRACKING IN FRESHLY PLACED CONCRETE. IT IS EXPECTED THAT PRODUCING WORKABILITY FOR CONCRETE MIXES WILL REQUIRE THE ADDITION OF WATER-REDUCING CHEMICAL ADMIXTURES.
   - D. CONCRETE MIX DESIGNS SHALL INCLUDE ALL APPLICABLE ADMIXTURES.
   - E. CONCRETE SLUMP SHALL BE A MAXIMUM OF 4" +/- 1" (ASTM C-145) AS DELIVERED IN THE FIELD. CONTRACTOR MAY USE CHEMICAL ADMIXTURES TO ATTAIN A MAXIMUM SLUMP OF 8" FOR WORKABILITY IF ADMIXTURE IS TO BE ADDED IN THE FIELD IS SHALL BE ADDED THROUGH THE USE OF AN EXTERNAL MEASURING DEVICE (I.E. 5 GALLON BUCKET).
   - F. CONCRETE EXPOSED TO WEATHER, PARKED VEHICLES, AND/OR DEICING CHEMICAL SHALL CONTAIN 6% (+/- 1%) ENTRAINED AIR BY VOLUME.
   - G. CHAMFER ALL EXPOSED CORNERS OF CONCRETE WALLS, 3/4" UNLESS NOTED OTHERWISE.
   - H. ALL CONTROL JOINTS IN CONCRETE SLABS-ON-GRADE SHALL BE CUT TO 1/3 OF DEPTH WHEN USING WET-CUTTING PROCESS AND 1/4 OF DEPTH WHEN USING EARLY-ENTRY DRY-CUT PROCESS. CUT JOINTS AS SOON AS APPLICABLE PER PROCESS USED AFTER CONCRETE HAS BEEN PLACED WITHOUT DISLODGING AGGREGATE, OR USE A KEYED COLD JOINT.
   - I. CUT SLABS-ON-GRADE INTO AREAS OF APPROXIMATELY 225 SQUARE FEET MAINTAINING AS CLOSE TO SQUARE AREAS AS POSSIBLE. LENGTH TO WIDTH RATIOS OF JOINTED PANELS SHALL NOT EXCEED 1.5:1. COORDINATE LOCATIONS OF CONTROL JOINTS WITH ARCHITECT.
   - J. CONTROL JOINTS IN WALLS SHALL BE PLACED AT 20'-0" O.C. MAXIMUM UNLESS NOTED OTHERWISE. LOCATE JOINTS BESIDE PIERS INTEGRAL WITH WALLS, NEAR CORNERS, AND IN CONCEALED LOCATIONS WHERE POSSIBLE. CONSTRUCTION JOINTS MAY BE PLACED IN LIEU OF CONTROL JOINTS AT CONTRACTOR'S DISCRETION. COORDINATE LOCATION OF CONTROL JOINTS WITH ARCHITECT.
   - K. PRIOR TO PLACING CONCRETE IN ANY LOCATION, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THOROUGHLY CHECKED AND COORDINATED ALL DIMENSIONS, ELEVATIONS, OPENINGS, RECESS, AND BLOCKOUTS AS SHOWN ON ANY CONTRACT DRAWINGS. IN THE EVENT ERRORS, CONFLICTS, OR OMISSIONS EXIST, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE ARCHITECT OR ENGINEER FOR NECESSARY CORRECTIVE ACTION.
   - L. EMBEDDED ITEMS ARE TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR PRIOR TO PLACING CONCRETE.
   - M. ANCHOR RODS AND ANCHOR BOLTS SHALL BE HELD IN PLACE WITH A RIGID TEMPLATE
4. ROUGH CARPENTRY
   - A. HEADERS, JOISTS, AND RAFTERS SHALL MEET OR EXCEED THE FOLLOWING MINIMUM REQUIREMENTS. (EXAMPLE SPECIES: #2 WESTERN RED CEDAR)
     - 1. F_B — 700 PSI
     - 2. F_V — 155 PSI
     - 3. F_C — 650 PSI
     - 4. E — 1000 KSI
   - B. TIMBER FRAMING MEMBERS SHALL MEET OR EXCEED THE FOLLOWING MINIMUM REQUIREMENTS. (EXAMPLE SPECIES: #2 DOUGLAS FIR-LARCH NORTH)
     - 1. F_B — 700 PSI
     - 2. F_V — 155 PSI
     - 3. F_C — 650 PSI
     - 4. E — 1000 KSI
   - C. ALL WOOD FRAMING MEMBERS INDICATED ARE NOMINAL SIZES. PROVIDE ACTUAL DRESSED SIZES, KILN-DRIED, WITH MAXIMUM IN-PLACE MOISTURE CONTENT OF 19%.
   - D. ALL BOLTS ARE A36 OR A307, GRAD 1, AND ALL NAILS ARE COMMON WIRE NAILS UNLESS NOTED OTHERWISE.
   - E. FASTENER QUALITY, QUANTITY, SIZE, AND SPACING SHALL COMPLY WITH IBC FASTENING SCHEDULE (TABLE 2304.9) UNLESS NOTED OTHERWISE.
   - F. ALL WOOD IN CONTACT WITH CONCRETE OR EXPOSED TO WEATHER SHALL BE PRESERVATIVE TREATED.

STATE OF MISSOURI
AMANDA RENEE BUSH
NUMBER PE-2008019529
PROFESSIONAL ENGINEER
Amanda R Bush
06-21-2021

AMERICAN FIRE BBQ - PERGOLA

342 SW BLUE PKWY, LEE'S SUMMIT, MO 64063
COLLINS & WEBB ARCHITECTS

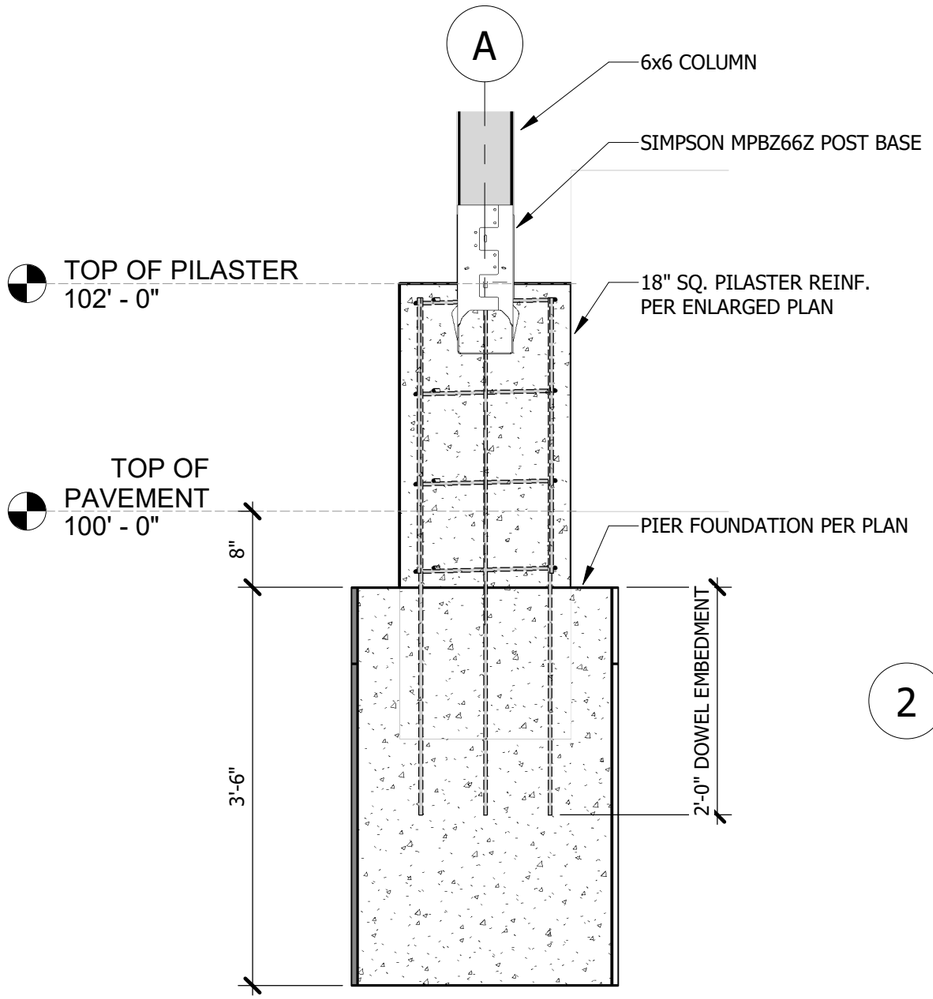
SCALE
12" = 1'-0"

DATE
06/21/21

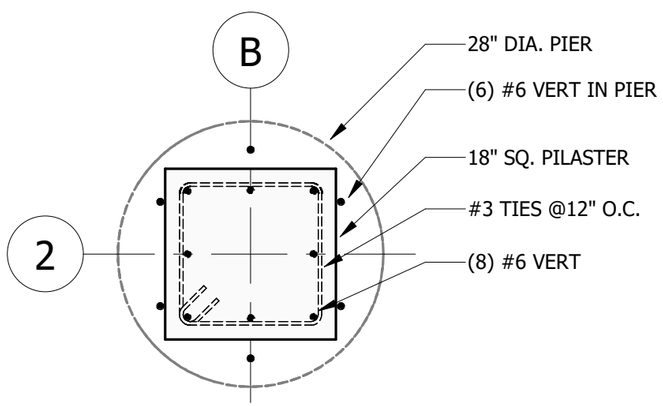
DRAWN BY
ACO

REF. DWG.
S100

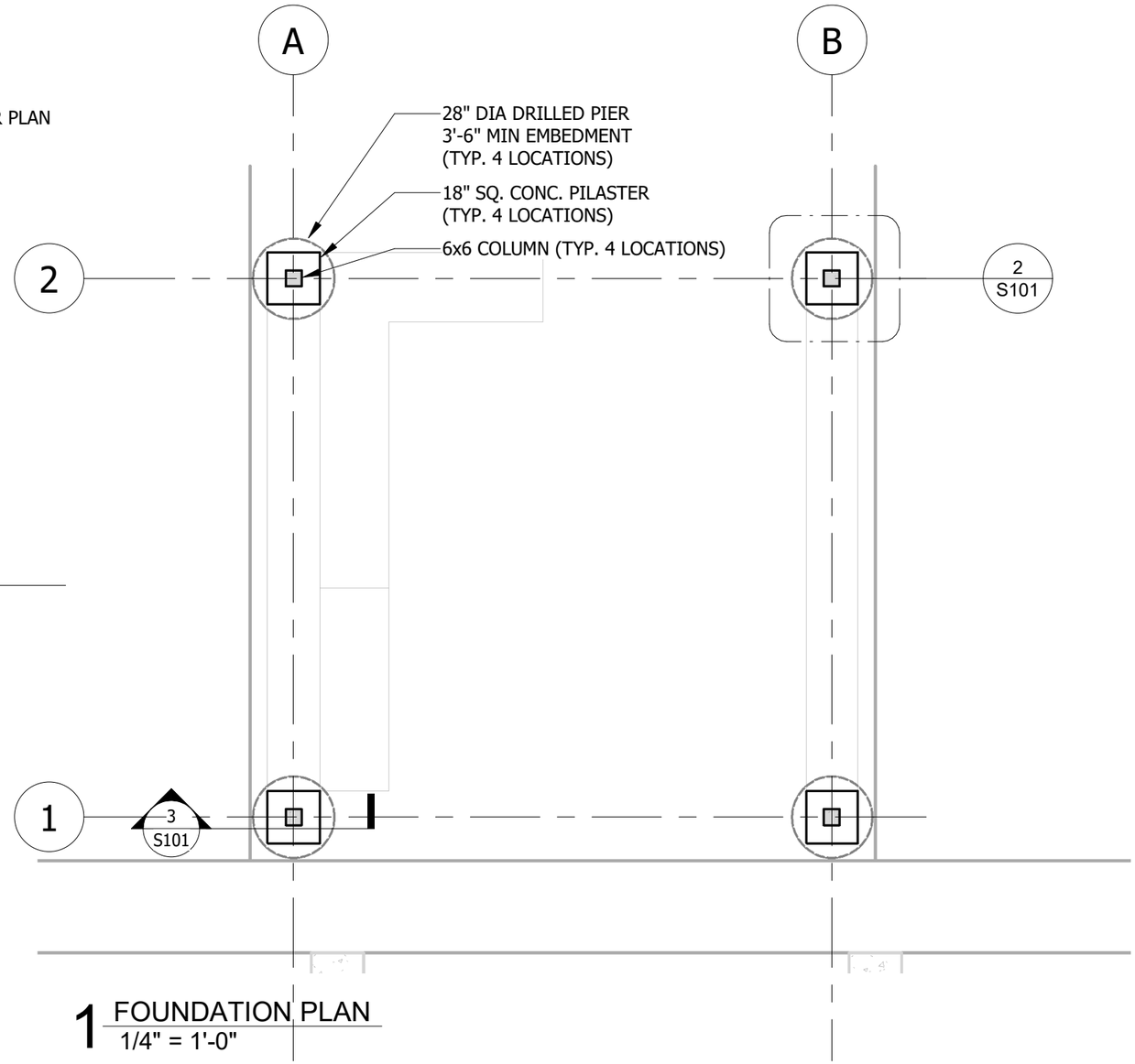
SHEET NO.
S100



3 FOUNDATION SECTION
3/4" = 1'-0"



2 PERGOLA COLUMN BASE
3/4" = 1'-0"



1 FOUNDATION PLAN
1/4" = 1'-0"

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SCALE	As indicated
DATE	06/21/21
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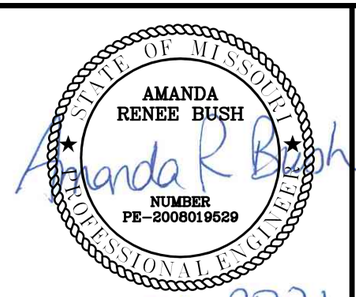
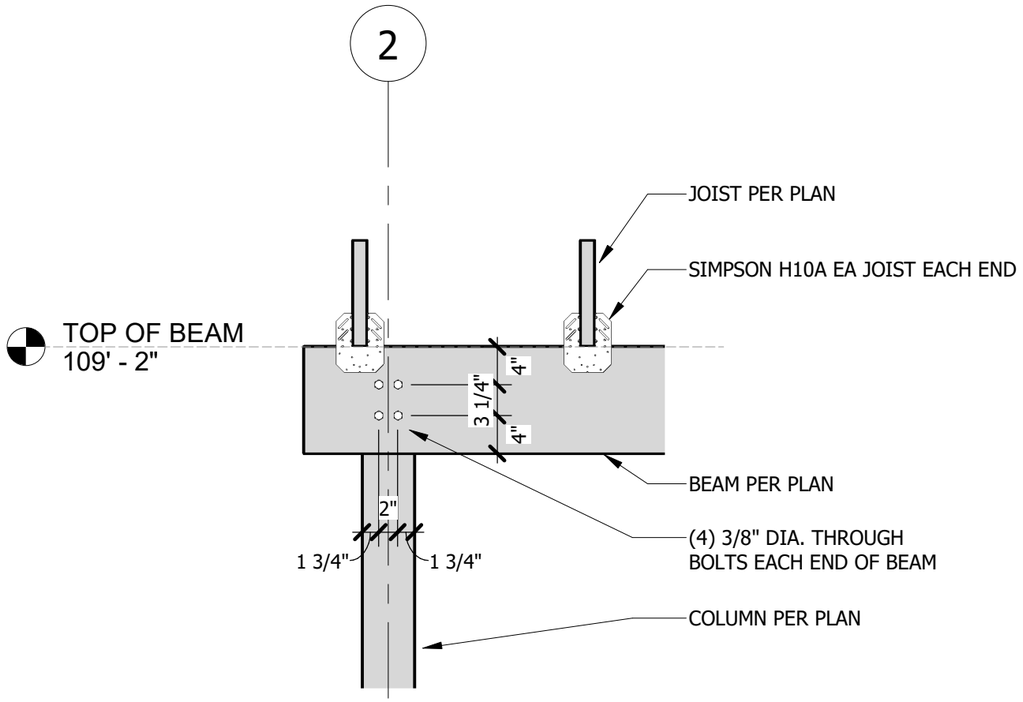
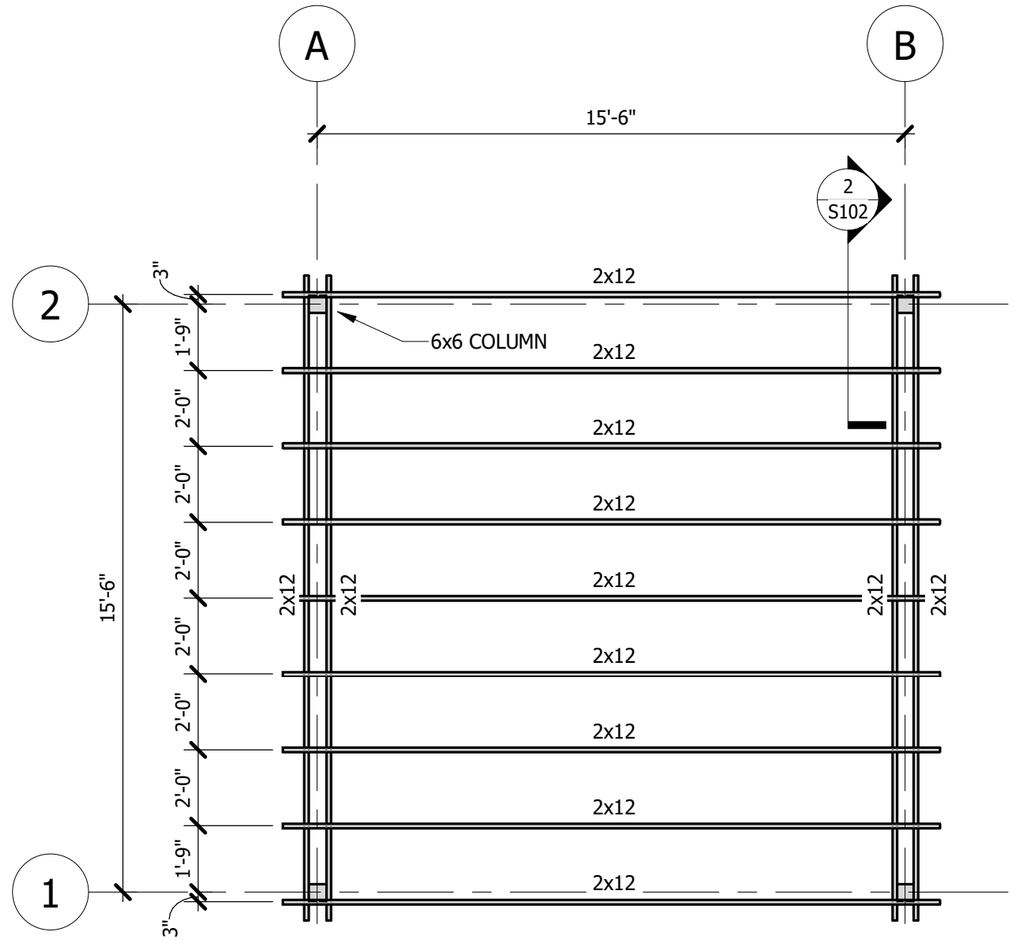
REF. DWG.	S101
SHEET NO.	S101





2 ROOF FRAMING SECTION
3/4" = 1'-0"



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1/4" = 1'-0"

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