

**DOMESTIC WATER NOTES**

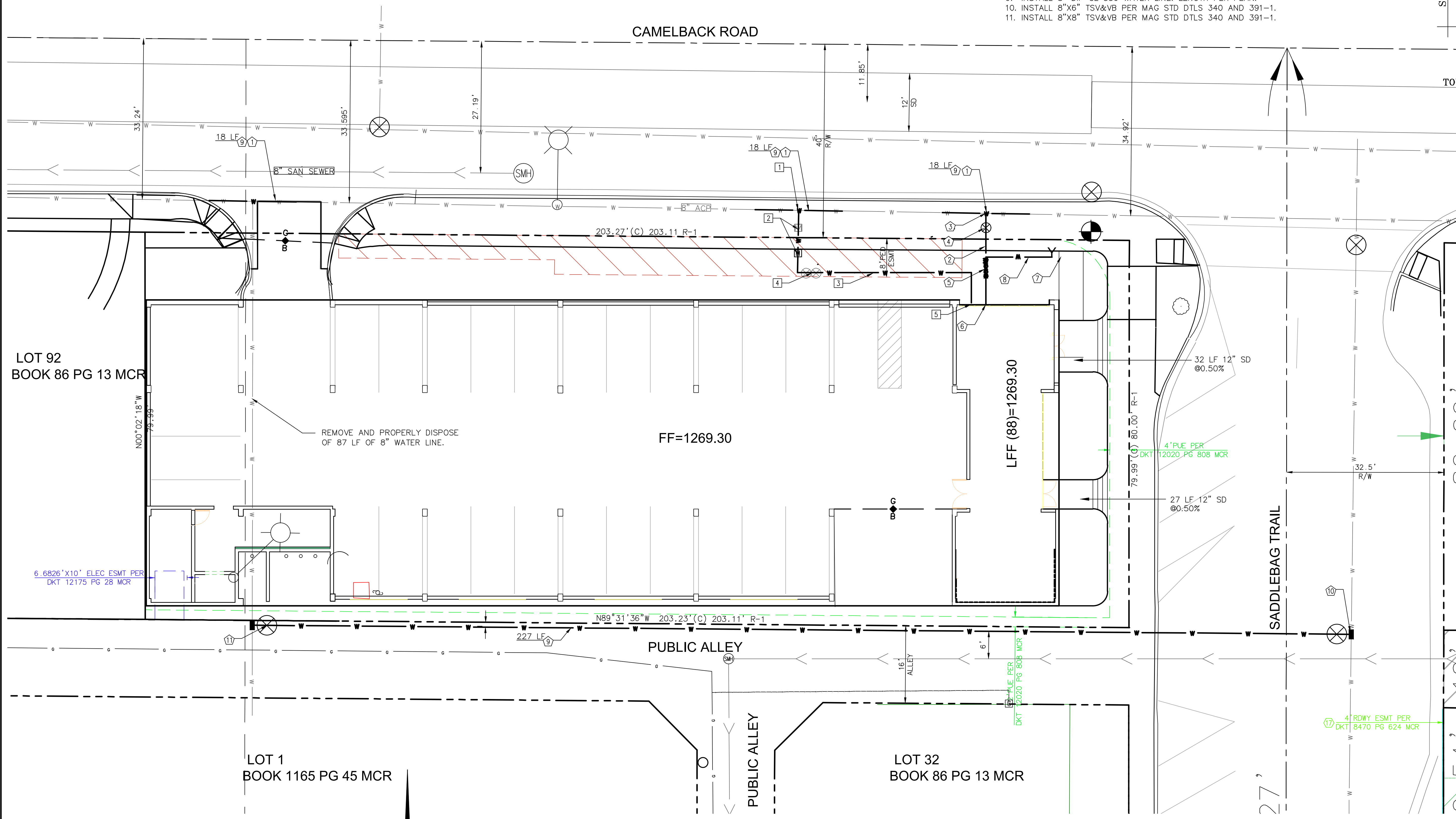
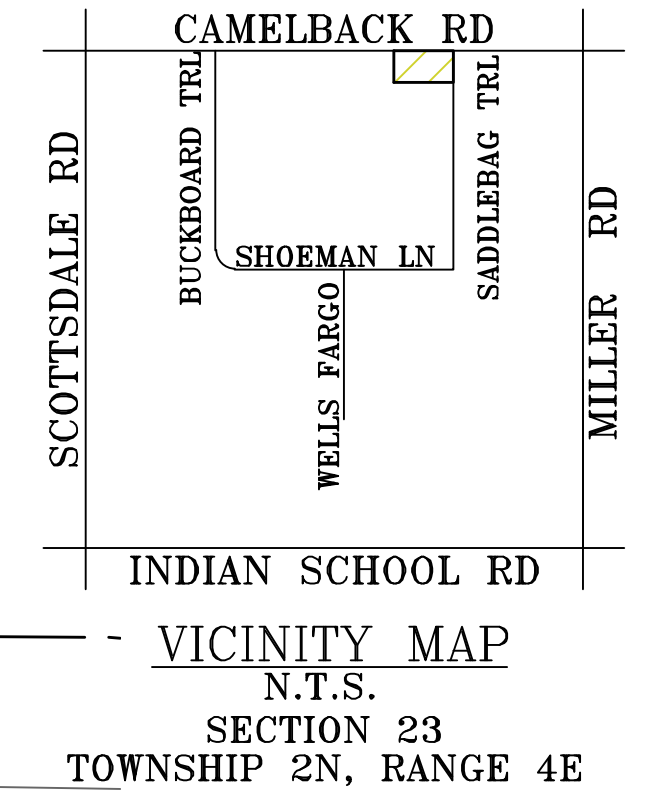
1. INSTALL NEW 1.5" DOMESTIC WATER SERVICES PER COS STD DTL 2330
2. REMOVE EXISTING METER AND METER BOX AND INSTALL NEW METER & METER BOX BEHIND SIDEWALK. PLACE METER BOX IN NEW WATER EASEMENT.
3. INSTALL 59 LF OF COPPER RTYPE "K" SOFT WATER LINE.
4. INSTALL 1.5" REDUCED PRESSURE ZONE BACKFLOW PREVENTER.
5. SEE BUILDING PLANS FOR CONTINUATION.

# PRELIMINARY FIRE SPRINKLER LINE AND DOMESTIC WATER LINE PLAN

A PORTION OF THE SOUTHWEST QUARTER OF SECTION 23, TOWNSHIP 2 NORTH, RANGE 4 EAST, OF THE GILA & SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA

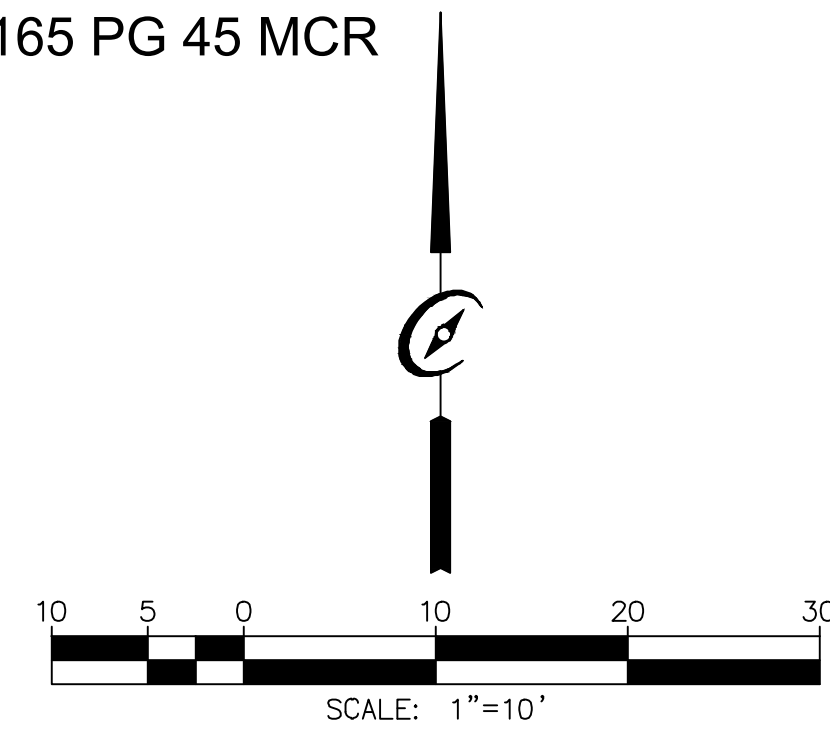
**FIRE LINE NOTES**

1. REMOVE EXISTING ACP PIPE AND DISPOSE OF PROPERLY. CONTRACTOR TO REMOVE ONE LENGTH OF PIPE MINIMUM SHOULD JOINT FALL ON NEW FIRE LINE LOCATION CONTRACTOR TO REMOVE ONE LENGTH OF PIPE EACH SIDE OF THE TAP LOCATION.
2. INSTALL 6" DIP CL 350 WATER LINE, LENGTH PER PLAN.
3. INSTALL 8"x6" TEE.
4. INSTALL VALVE, BOX AND COVER PER MAG STD DTL 391.
5. INSTALL WATTS 757 DOUBLE CHECK BFP.
6. SEE BUILDING PLANS FOR CONTINUATION.
7. INSTALL REMOTE FDC
8. INSTALL 4" DIP CL 350 REMOTE FDC LINE.
9. INSTALL 8" DIP CL 350 WATER LINE, LENGTH PER PLAN.
10. INSTALL 8"x6" TSV&VB PER MAG STD DTL 340 AND 391-1.
11. INSTALL 8"x8" TSV&VB PER MAG STD DTL 340 AND 391-1.



LOT 1  
BOOK 1165 PG 45 MCR

LOT 32  
BOOK 86 PG 13 MCR



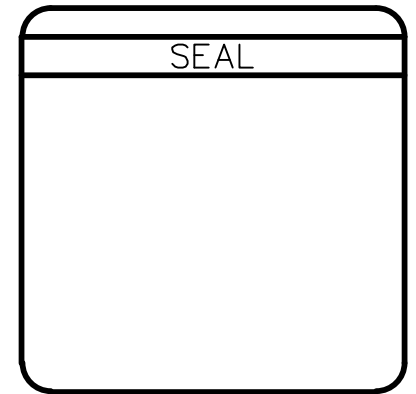
**FIESTA**

7343 E CAMELBACK RD SCOTTSDALE, AZ

**MLC SERVICES**  
MINING LAND CIVIL CONSTRUCTION & ENGINEERING  
561 W GUADALUPE RD GILBERT AZ 85233 PH. 602-393-2030

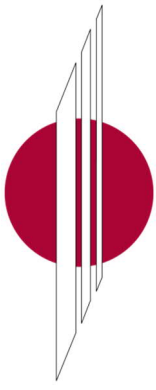
**PRELIMINARY WATER AND FIRE**

DESIGN: CJW	DRAFTING: SE/KL
CHECKED: CJW	DATE: SEPT 7, 2021



DATE	DESCRIPTION
REVISIONS	

Standard Arizona EIT seal  
ARIZONA  
Call 811 or visit arizona.gov/1call  
JOB NO. 21-09001  
**1 OF 1**



CARUSO  
TURLEY  
SCOTT  
structural  
engineers

December 23, 2021

Mr. Jason Rieke  
BAR NAPKIN PRODUCTIONS, LLC  
2828 N. Central Avenue  
Suite 1300  
Phoenix, AZ 85004  
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E: [jason@bnp-llc.com](mailto:jason@bnp-llc.com)

RE: Fiesta Bar and Restaurant  
7343 E Camelback Rd.  
Scottsdale, AZ  
CTS Job No.: 21-2025

Dear Mr. Rieke,

Please find below a narrative describing the structural systems and design parameters expected to be used for this project. The project is a 3-story bar and restaurant with approximately 13,500 square feet per level. There is no basement. The first floor will be ground level parking with 43 parking spaces. The second floor will be an indoor bar, kitchen, dining room, restrooms, and covered outdoor patio. The third floor will be a speakeasy bar and restrooms with a small covered outdoor patio. The project will be designed using the 2015 International Building Code and City of Scottsdale amendments.

STRUCTURAL  
ENGINEERING  
EXPERTS

PARTNERS

Paul Scott, SE, PE  
Sandra Herd, SE, PE, LEED AP  
Chris Atkinson, SE, PE, LEED AP  
Thomas Morris, SE, LEED AP  
Richard Dahlmann, SE, PE  
Troy Turley, SE, PE, LEED AP  
Brady Notbohm, SE, PE

PROFESSIONAL  
REGISTRATION

50 States  
Washington D.C.  
U.S. Virgin Islands  
Puerto Rico

Roof Structure:

The typical roof structure is a flat roof (minor structure slope for drainage) framed with 11/2" steel deck over 30" deep steel joists at 8'-0"o.c. Additional joists or heavier joists may be required to support rooftop mechanical units or suspended mechanical and/or kitchen equipment. Design loads shall be 20psf Dead Load (DL) and 20psf Floor Live Load (LL). The covered outdoor patios will have trellis framing sized based on the Architectural aesthetics.

Floor Structure:

The second floor structure will be a concrete podium slab, either approximately 12" thick mild reinforced or approximately 10" thick post-tensioned. This will accommodate the wall and column locations for the upper level framing. The outdoor patios will have a structural step from inside to outside and also have a structural slope to area drains. Preliminary design loads shall be: 20 psf superimposed DL / 100 psf LL. The superimposed DL at the outdoor patio will be higher, if pavers are used.

The third floor structure will be 5" concrete over steel deck (or 6 1/4" light weight concrete) over composite wide flange steel beam, approximately W16x26 at 8'-0"o.c. Steel girders will be approximately W18x50, and supported by W14x90 steel columns. Design loads shall be 80psf Dead Load (DL) and 100psf Floor Live Load (LL). The DL at the outdoor patio will be higher, if pavers are used.

Exterior Walls:

The exterior walls are anticipated to be 6" steel studs non-bearing, and bypass the framing with slip connections and form the parapets. There may be some masonry walls that will be non-bearing, with slip connections at the floors. The masonry will be used as shear walls, when possible.

Stairs:

The stair walls will be 8" masonry. Steel stringers will be used with concrete filled pans and landings. Design loads shall be 50psf Dead Load (DL) and 100psf Floor Live Load (LL).

Lateral System:

The lateral system will consist of a combination of steel moment frames for the upper floors and concrete shear walls at the first floor. Masonry walls may be used, when possible.

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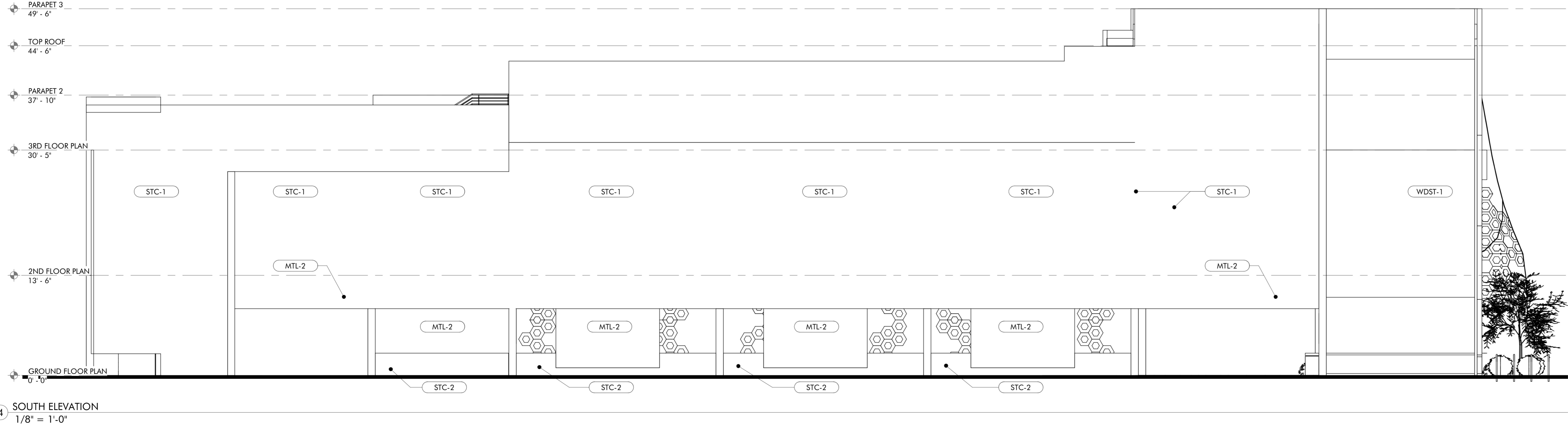
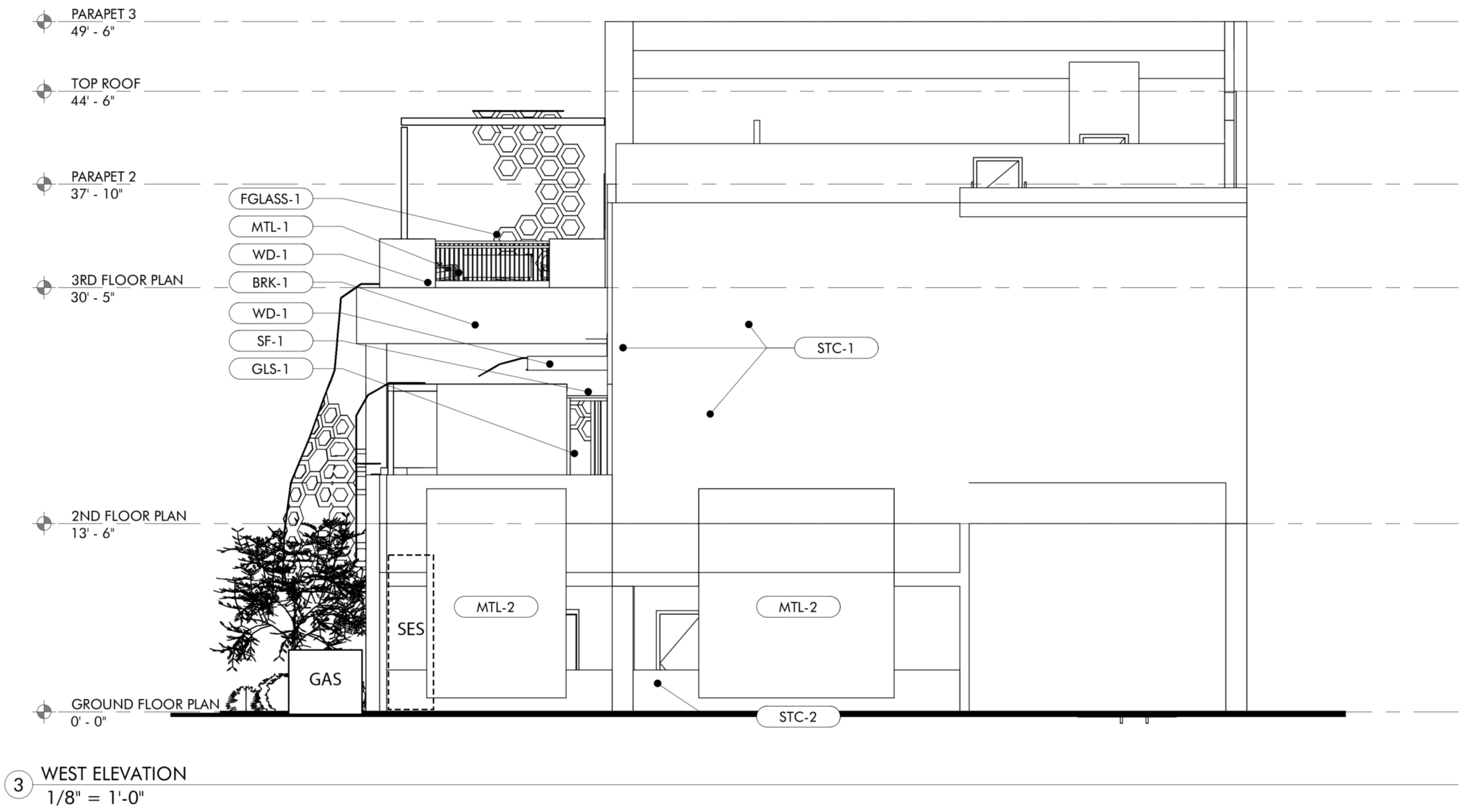
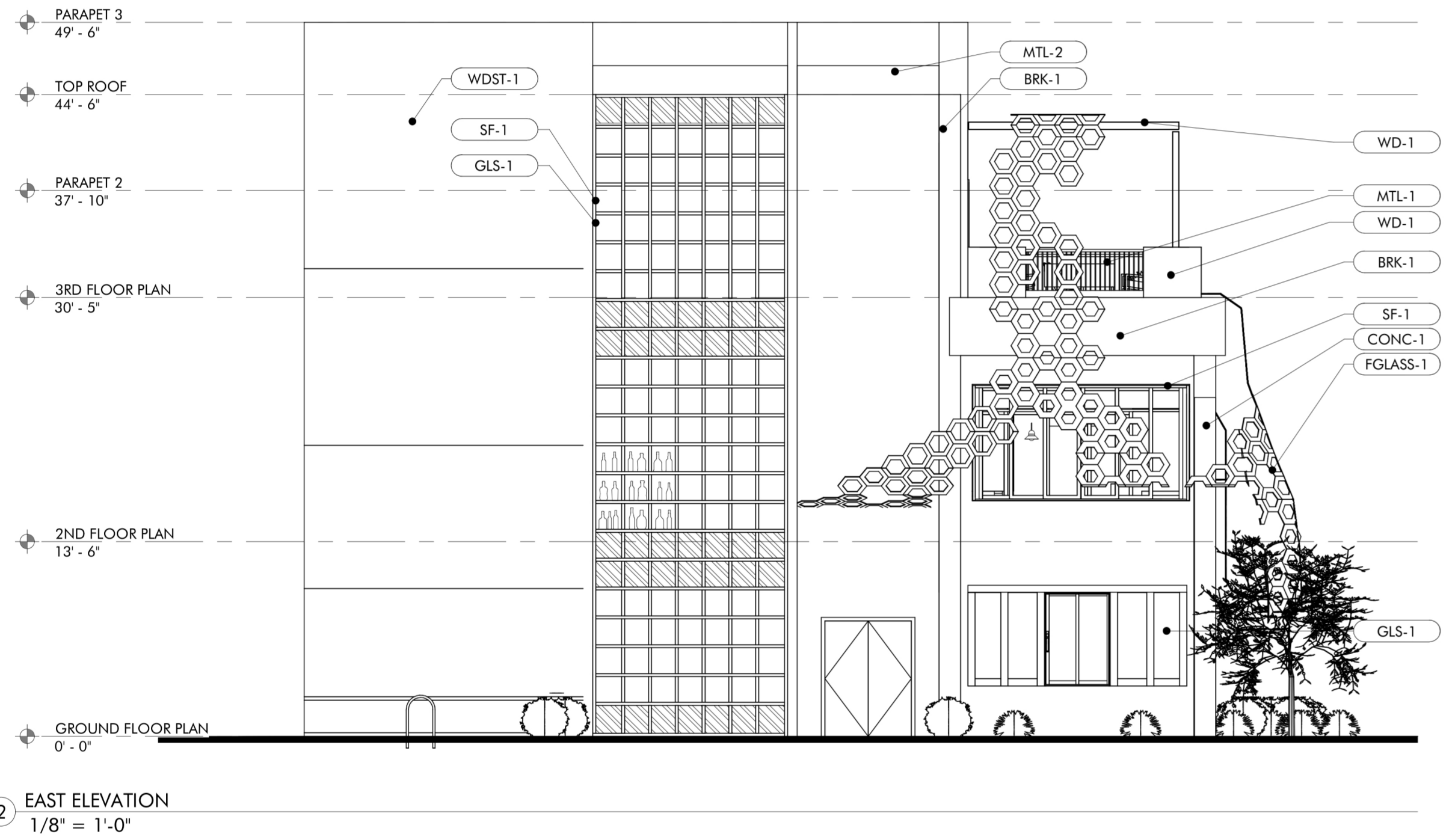
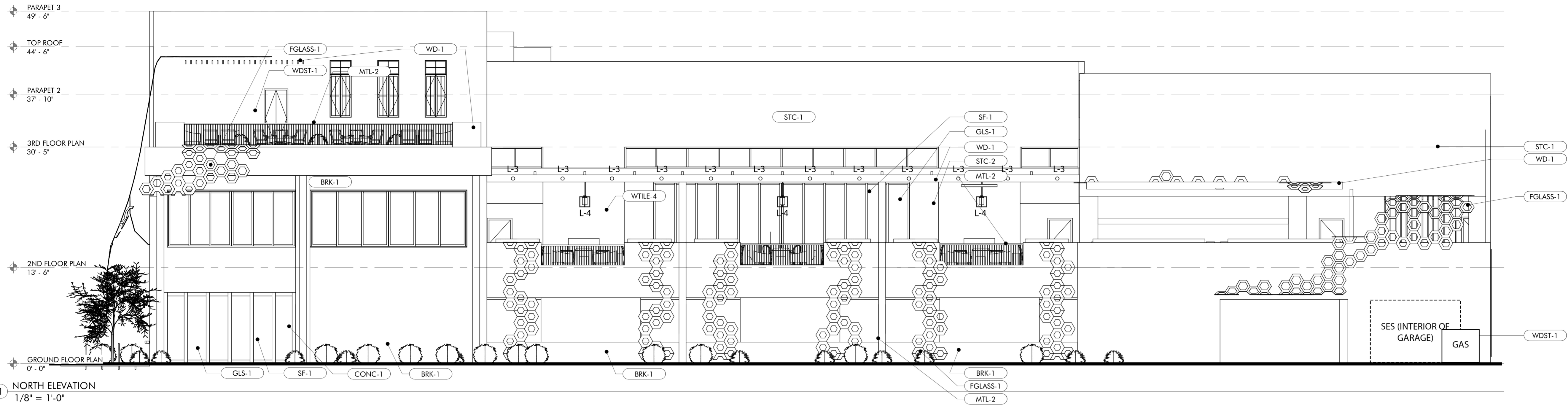
Foundations:

A Geotechnical Report has not been provided at this time. Shallow spread column and continuous wall footings are anticipated. The minimum depth below grade and allowable soil bearing pressure, as dictated by the Geotechnical Report, will determine the sizes.

Please contact our office with any questions or comments at (480) 774-1700.

Respectfully submitted,  
CARUSO TURLEY SCOTT

David Troxell, PE, SE  
Senior Project Manager



**BNP**  
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FIESTA BAR & RESTAURANT  
 7343 E. CAMELBACK RD.  
 SCOTTSDALE, AZ 85251

Issue Date 10.05.2021 DRB SUBMITTAL  
 REVISIONS

EXTERIOR ELEVATIONS **A5.0**  
 BN1556

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PERSPECTIVE



## FIESTA BAR & RESTAURANT

7343 E. CAMELBACK RD.  
BN1556DALE, AZ 85251

06/25/21 10.05.2021 DRB SUBMITTAL

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