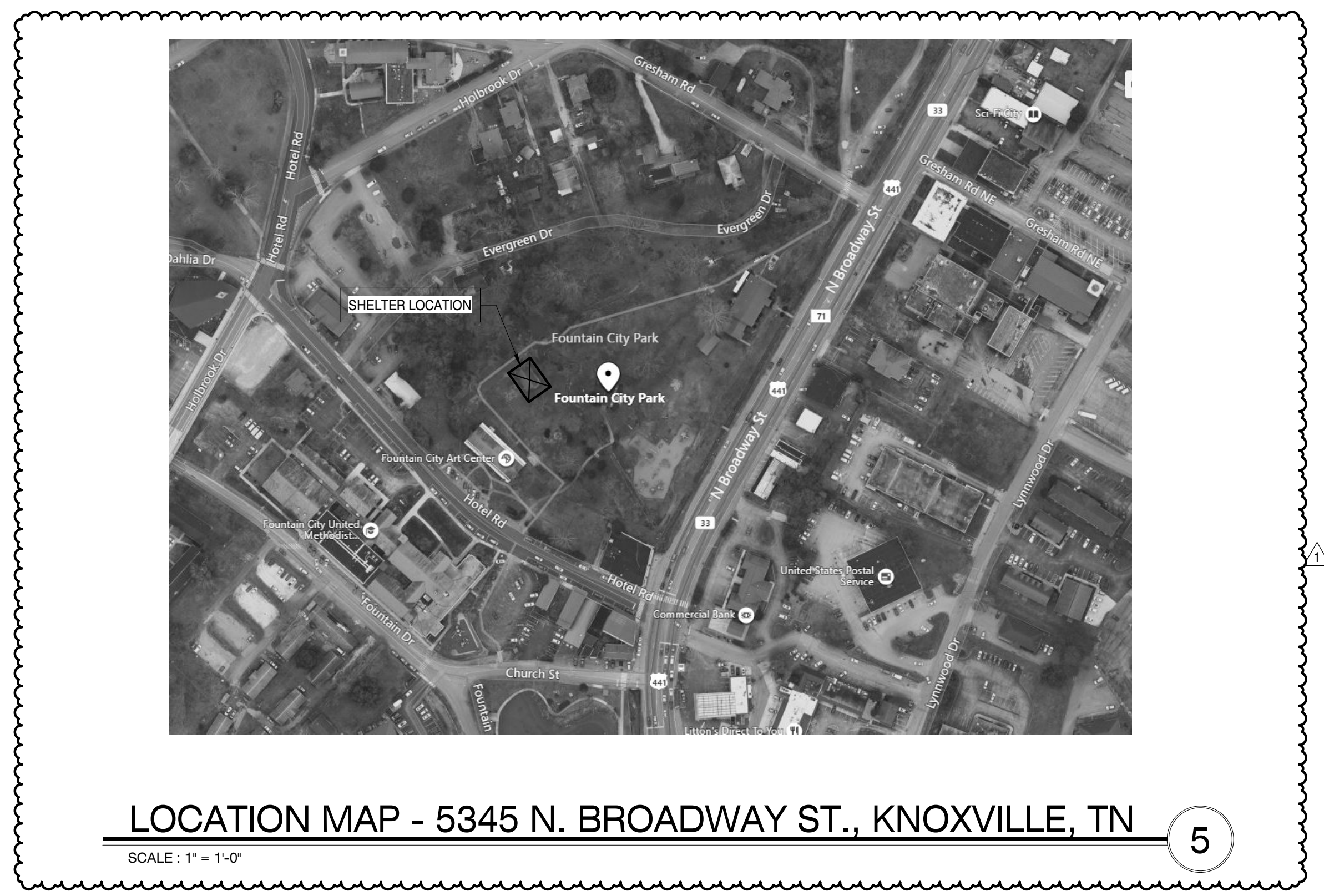


ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

1



LOCATION MAP - 5345 N. BROADWAY ST., KNOXVILLE, TN

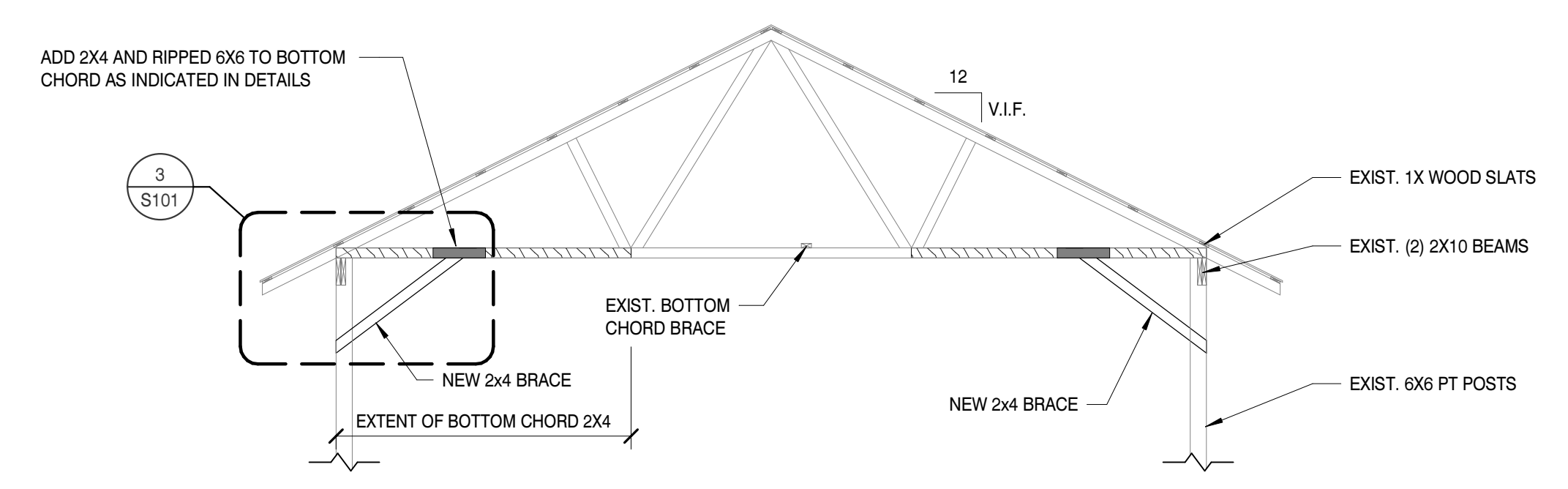
SCALE: 1" = 1'-0"

5

DESIGN LOADS	
1. Dead Load	
Existing Roof	4 psf
2. Live Load	
Roof	20 psf
3. Snow Load	
Ground Snow Load, Pg	10 psf
Risk Category	II
Importance Factor, I	1.0
Exposure Factor, Ce	1.0
Thermal Factor, Ct	1.0
Flat Roof Snow Load, Pt	10 psf
4. Wind Load	
Ultimate Wind Speed	105 mph
Nominal Wind Speed	81 mph
Risk Category	II
Exposure Category	C
Enclosure Classification	Open
5. Seismic Load	
Risk Category	II
Importance Factor, I	1.0
Site Class	D
Mapped Acceleration Parameters	
Ss	56.7%
S1	12.87
Design Spectral Acceleration Parameters	
Sds	0.509
Sd1	0.200
Seismic Design Category	D

DESIGN CODES AND SPECIFICATIONS	
Building Code	2018 International Building Code
Design Loads	ASCE 7-16: Minimum Design Loads for Buildings and Other Structures
Wood	2018 NDS: National Design Specification for Wood Construction

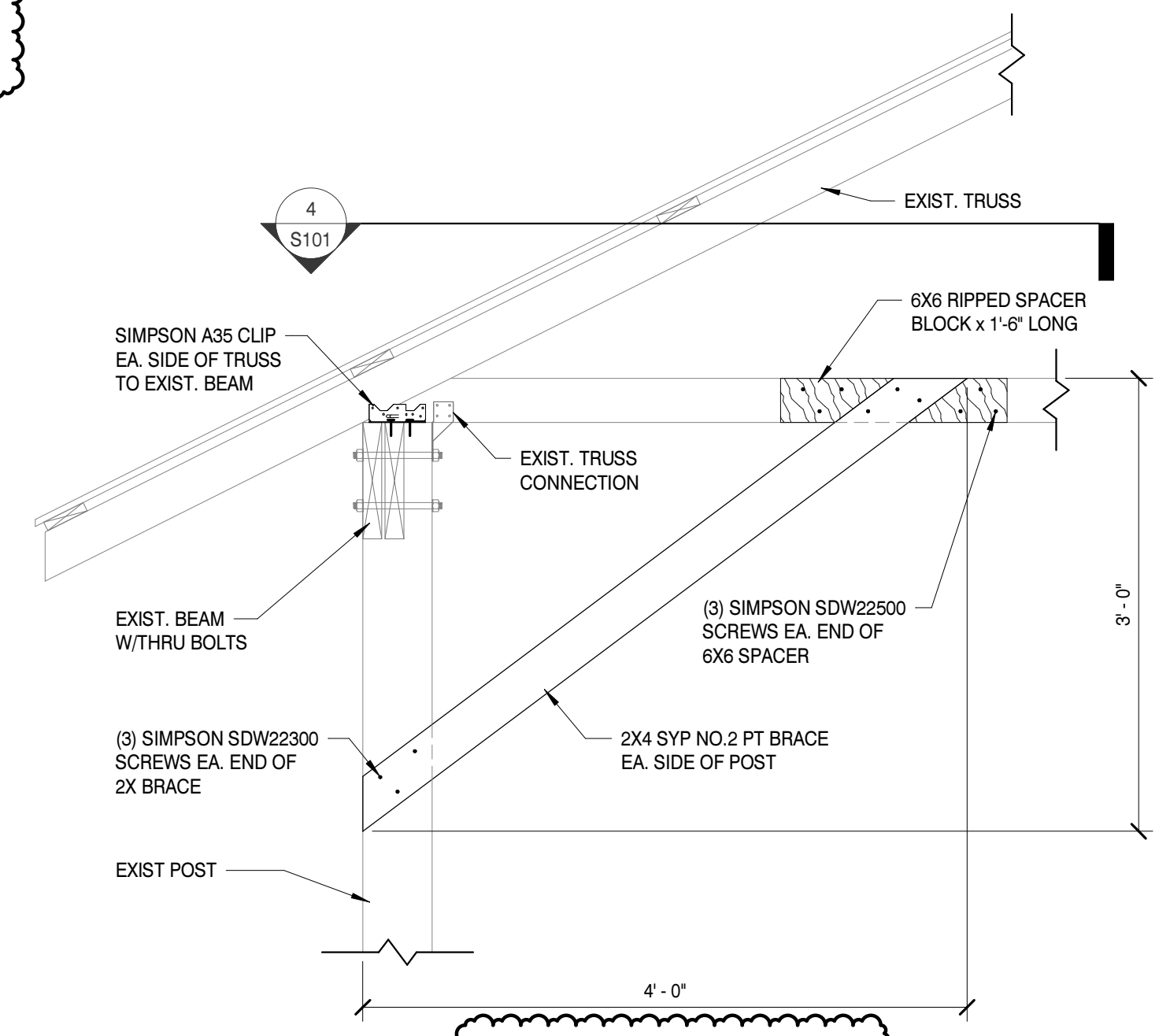
- GENERAL NOTES - STRUCTURAL FRAMING PLAN**
- EXISTING STRUCTURE SHOWN ON PLAN IS BEING REHABILITATED TO CORRECT A LEANING PROBLEM. ADDITIONAL LATERAL BRACING IS BEING ADDED TO CORRECT THE POTENTIAL TO LEAN.
 - CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS TO PLUMB AND SQUARE THE EXISTING STRUCTURE PRIOR TO INSTALLATION OF NEW BRACING.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION IN REGARDS TO JOB SITE SAFETY.
 - THE CONSTRATOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES.
 - ALL FRAMING LUMBER SHALL BE #2 SOUTHERN YELLOW PINE. BRACING SHALL BE PRESSURE TREATED.



TRUSS PROFILE

SCALE: 1/4" = 1'-0"

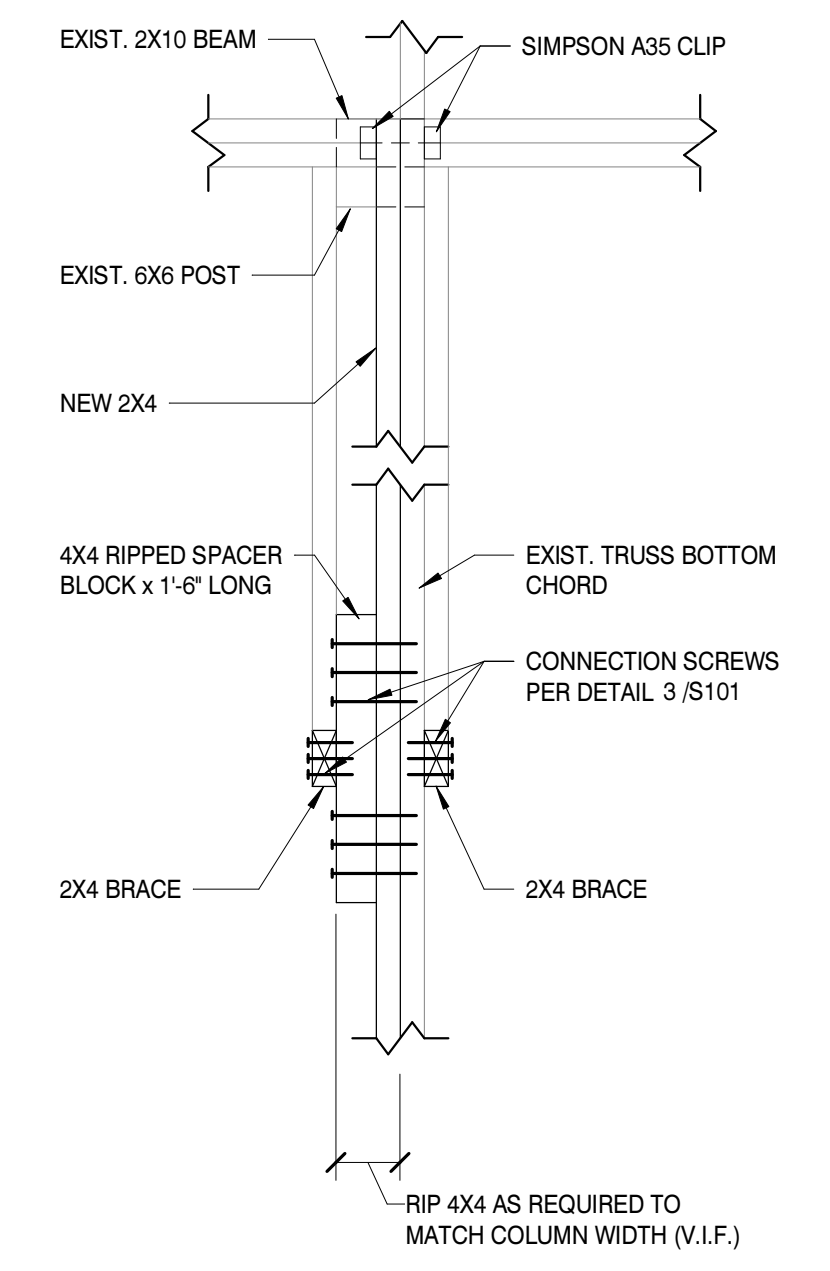
2



BRACE DETAIL

SCALE: 1" = 1'-0"

3



BRACE SECTION

SCALE: 1" = 1'-0"

4

MBI

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CONSULTANT

SEAL

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PROJECT INFORMATION

PROJECT: **FOUNTAIN CITY PARK SHELTER RECONDITIONING**

PROJECT ADDRESS: **5345 N. BROADWAY ST. KNOXVILLE, TN**

PROJECT NO.: **210193**

ACTIVE DESIGN PHASE

FOR REVIEW ONLY
 FOR PERMITTING ONLY
 SCHEMATIC DESIGN
 DESIGN DEVELOPMENT
 CONSTRUCTION BIDDING
 CONSTRUCTION DOCUMENTS
 AS-BUILT RECORD SET

REVISION INFORMATION

NO.	DATE	DESCRIPTION
1	04/28/2021	OWNER COMMENTS

KEY PLAN

SHEET INFORMATION

SHEET ISSUED: 4/23/2021
DESIGNED BY: RMG
DRAWN BY: GDC
REVIEWED BY: RMG
SHEET TITLE:

PLAN, SECTIONS & DETAILS

S101

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