





DESIGN LOADS	
1. BUILDING CODES	
a. NORTH CAROLINA BUILDING CODE 2018 EDITION	
b. MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES, ASCE 7-10	
2. ROOF DEAD LOAD 15PSF	
3. ROOF LIVE LOAD 20 PSF	
4. ROOF SNOW LOAD	
a. FLAT-ROOF SNOW LOAD, P <sub>f</sub>	15 PSF
b. SNOW EXPOSURE FACTOR, C <sub>e</sub>	0.9
c. SNOW IMPORTANCE FACTOR, I <sub>s</sub>	1.0
d. THERMAL FACTOR, C <sub>t</sub>	1.0
5. FLOOR DEAD LOAD	
a. TYPICAL FLOOR	15 PSF
6. FLOOR LIVE LOADS	
a. SLAB-ON-GRADE	100 PSF
7. WIND LOADS/DATA	
a. BASIC WIND SPEED (3 SECOND GUST)	120 MPH
b. RISK CATEGORY	II
c. EXPOSURE	B
d. INTERNAL PRESSURE COEFFICIENT, G <sub>cp</sub>	+/-0.18
e. TOPOGRAPHY FACTOR, K <sub>zt</sub>	1.00
f. APPLIED DIRECTIONALITY FACTOR, K <sub>d</sub>	0.85
g. WIND BASE SHEAR	
W <sub>x</sub>	7.2 KIPS
W <sub>y</sub>	8.0 KIPS
8. SEISMIC LOADS/DATA	
a. ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE
b. SITE CLASS	D
c. SEISMIC IMPORTANCE FACTOR I <sub>e</sub>	1.0
f. SITE COEFFICIENT, F <sub>a</sub>	1.6
g. SITE COEFFICIENT, F <sub>v</sub>	2.4
h. SPECTRAL RESPONSE COEFFICIENT, S <sub>ds</sub>	0.136
i. SPECTRAL RESPONSE COEFFICIENT, S <sub>d1</sub>	0.101
BASIC STRUCTURAL SYSTEM	STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
j. RESPONSE MODIFICATION FACTOR, R	3
k. SEISMIC RESPONSE COEFFICIENT, C <sub>s</sub>	0.061
q. SEISMIC BASE SHEARS	
S <sub>x</sub>	1.5 KIPS
S <sub>y</sub>	1.5 KIPS

**ABBREVIATIONS**

+/-	PLUS OR MINUS	GA	GAUGE
@	AT	GALV	GALVANIZED
&	AND	HD	HEADED
Ø	DIAMETER	HI	HIGH
AB	ANCHOR BOLTS	HORIZ	HORIZONTAL
ACI	AMERICAN CONCRETE INSTITUTE	HSS	HOLLOW STRUCTURAL SYSTEM
ADDL	ADDITIONAL	INT	INTERIOR
AFF	ABOVE FINISHED FLOOR	JT	JOINT
AISC	AMER. INSTITUTE OF STEEL CONSTRUCTION	K	KIP(S)
AISI	AMER. IRON & STEEL INSTITUTE	KB	KNEE BRACE
ALT	ALTERNATE	KSI	KIPS PER SQ. INCH
ARCH	ARCHITECTURAL/ARCHITECT'S	LB	LONG BAR
ASTM	AMER. SOCIETY FOR TESTING & WELDING	LBS	POUNDS
AWS	AMERICAN WELDING SOCIETY	LLH	LONG LEG HORIZONTAL
B/ OR BOT	BOTTOM	LLV	LONG LEG VERTICAL
BCX	BOTTOM CHORD EXTENSION	LO	LOW
BFF	BELOW FINISHED FLOOR	LOC	LOCATION
BLDG	BUILDING	LWC	LIGHT WEIGHT CONCRETE
BM	BEAM	MAX	MAXIMUM
BOS	BOTTOM OF STEEL	MC	MOMENT CONNECTION
BRG	BEARING	MECH	MECHANICAL
BTWN	BETWEEN	MFR	MANUFACTURER
MECH	MECHANICAL	MID	MIDDLE
CANT	CANTILEVER BEAM	MIN	MINIMUM
CJ	CONTROL JOINT	MISC	MISCELLANEOUS
CL	CENTERLINE	MOW	MIDDLE OF WALL
CLR	CLEAR	MP	MASONRY PILASTER
CMU	CONCRETE MASONRY UNIT	No OR #	NUMBER
COL	COLUMN	NS	NEAR SIDE
CONC	CONCRETE	NTS	NOT TO SCALE
CONN	CONNECTION	NWC	NORMAL WEIGHT CONCRETE
CONST JT	CONSTRUCTION JOINT	OC	ON CENTER
CONT	CONTINUOUS	OPNG	OPENING
CONTR	CONTRACTOR	OPP	OPPOSITE HAND
CTRD	CENTERED	PAF	POWDER ACTUATED FASTENER
d	NAILS (PENNY)	FED	PEDESTAL
DBA	DEFORMED BAR ANCHOR	*	PLATE
DEFL	DEFLECTION	PSF	POUNDS PER SQUARE FOOT
DEPR	DEPRESSION / DEPRESSED	PSI	POUNDS PER SQUARE INCH
DET	DETAIL	PT	PRESSURE TREATED
DIAG	DIAGONAL	REF	REFERENCE
DIM	DIMENSION	REINF	REINFORCING
DIST	DISTANCE	REQD	REQUIRED
DWG (S)	DRAWING (S)	SB	SHORT BAR
DWL (S)	DOWEL (S)	SCHD	SCHEDULE
EA	EACH	SIM	SIMILAR
EE	EACH END	SOG	SLAB ON GRADE
EF	EACH FACE	SPEC (S)	SPECIFICATION (S)
EJ	EXPANSION JOINT	SQ	SQUARE
ELEV	ELEVATION	STD	STANDARD
EMBED	EMBEDDED / EMBEDMENT	STIFF	STIFFENER
ENGR	ENGINEER	STIRR	STIRRUP (S)
EOD	EDGE OF DECK	STL	STEEL
EOS	EDGE OF SLAB	STR	STRUCTURAL
EQ	EQUAL	T	TOP
EQUIP	EQUIPMENT	TCX	TOP CHORD EXTENSION
EW	EACH WAY	TOC	TOP OF CONCRETE
EXIST	EXISTING	TOS	TOP OF STEEL
EXP	EXPANSION	TOW	TOP OF WALL
EXT	EXTERIOR	TYP	TYPICAL
FDN	FOUNDATION	UNO	UNLESS NOTED OTHERWISE
FFE	FINISHED FLOOR ELEVATION	VERT	VERTICAL
FOM	FACE OF MASONRY	VIF	VERIFY IN FIELD
FOW	FACE OF WALL	W	WITH
FS	FAR SIDE	WP	WORK POINT
FTG	FOOTING	WWF	WELDED WIRE FABRIC

\*Engineers seal does not include construction means, methods, techniques, sequences, procedures or safety precautions. Any deviation or discrepancy on plans are to be brought to the immediate attention of Tyndall Engineering & Design, P.A. Failure to do so will void Tyndall Engineering & Design, P.A. liability.

\*Please review these documents carefully. Tyndall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.

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Project #: **2001-010539B**

Date: **04/20/2021**

Drawn/Design By: **KFR**

DWG. Checked By: **PTII**

Scale: **N/A**

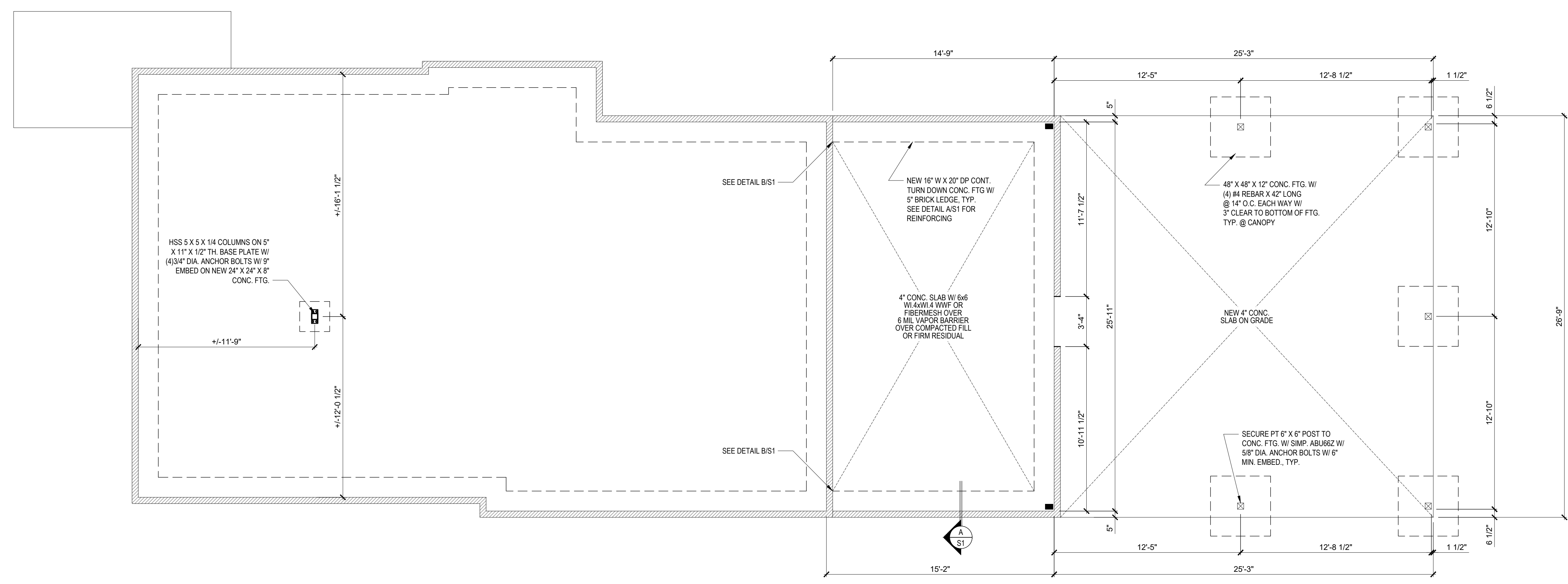
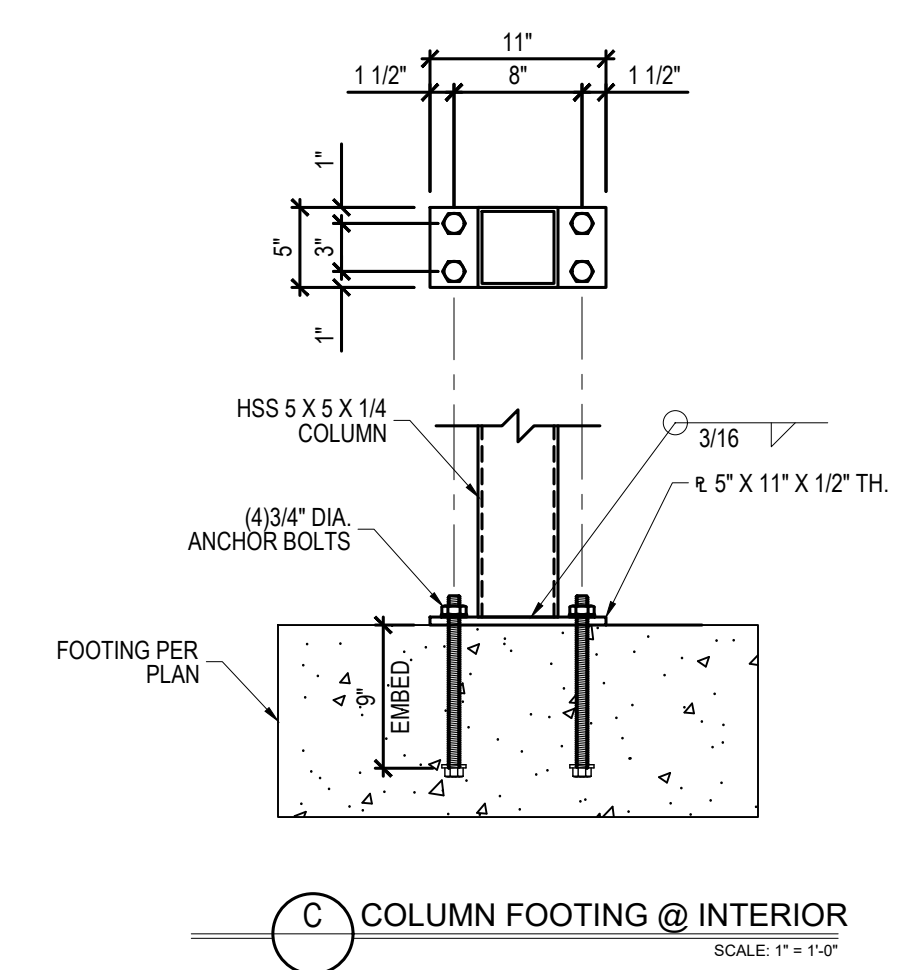
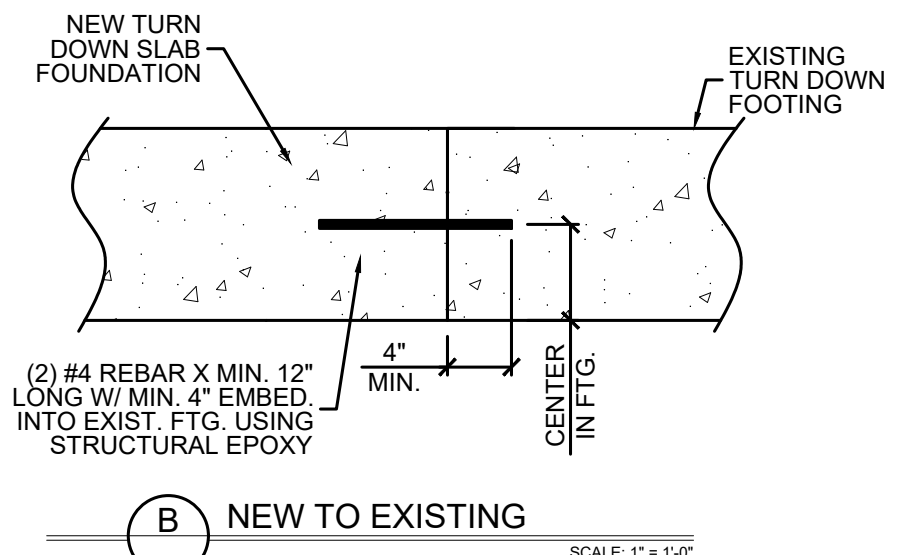
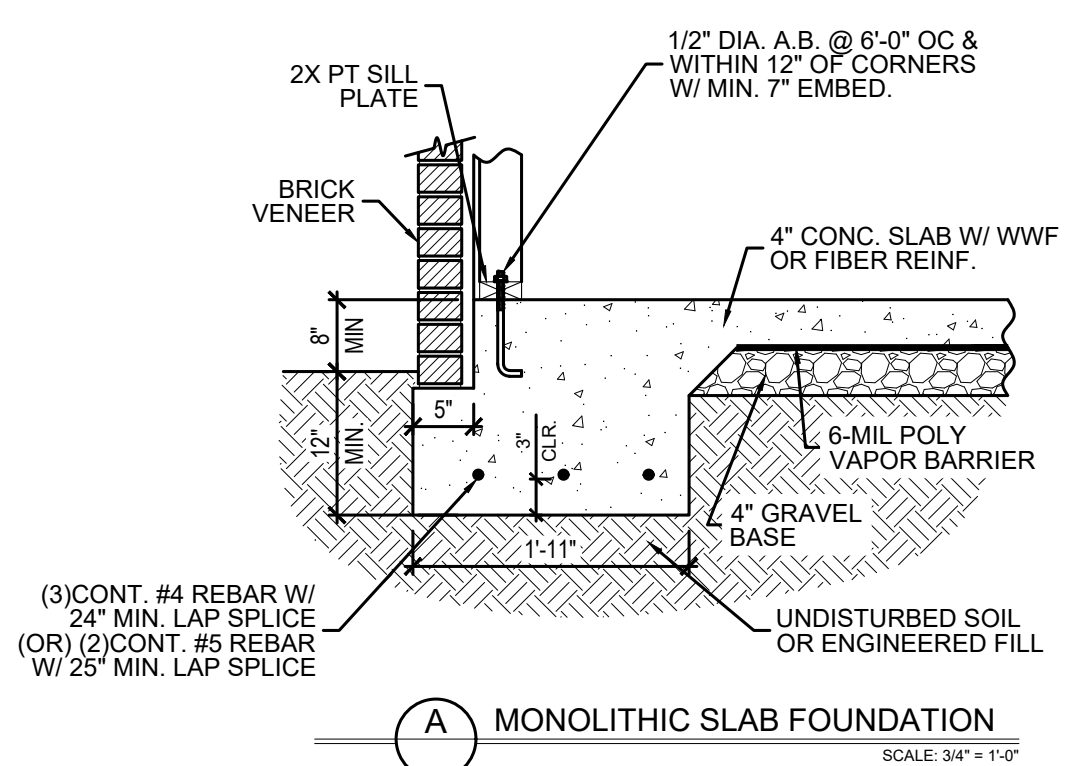
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**GENERAL NOTES**

No.	Date	Remarks

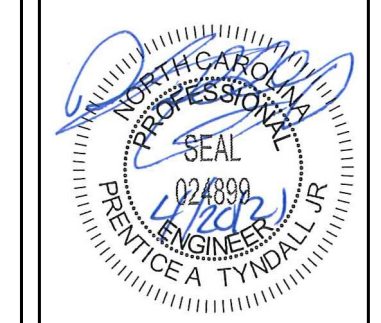
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Sheet Number  
**S0.1**  
2 of 5



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

Engineers and designers are not responsible for construction methods, techniques, sequences, procedures or safety precautions. Any deviations or discrepancies on plans are to be brought to the immediate attention of Tyn dall Engineering & Design, P.A. Failure to do so will void Tyn dall Engineering & Design, P.A. liability. Please review these documents carefully. Tyn dall Engineering & Design, P.A. will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.



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**FOUNDATION PLAN**

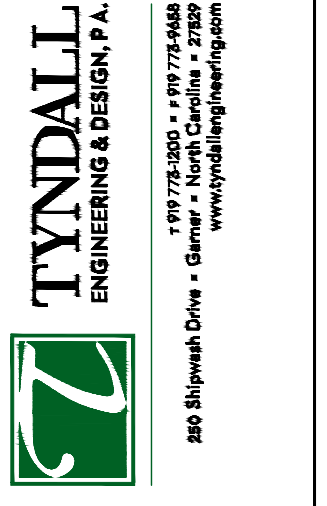
Project #:	2001-010539B
Date:	04/20/2021
Drawn/Design By:	KFR
DWG. Checked By:	PTII
Scale:	SEE PLAN

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No.	Date	Remarks

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**S1**  
3 of 5

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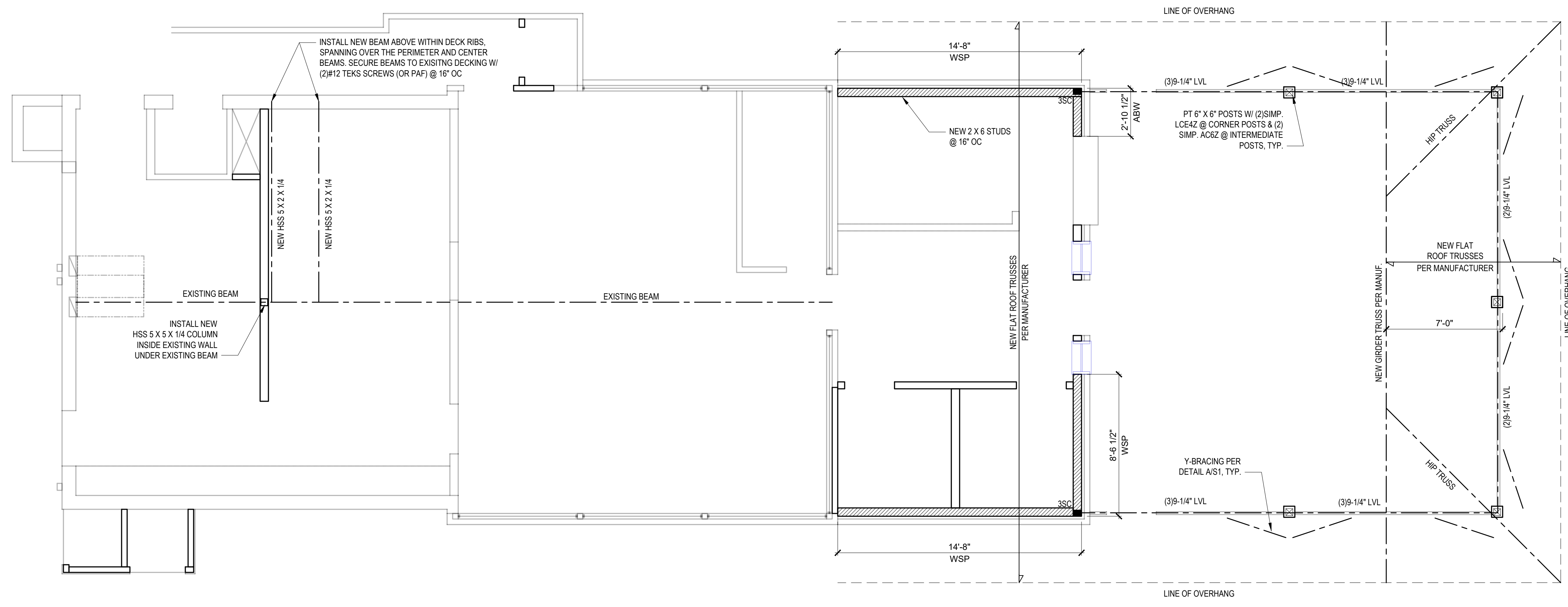
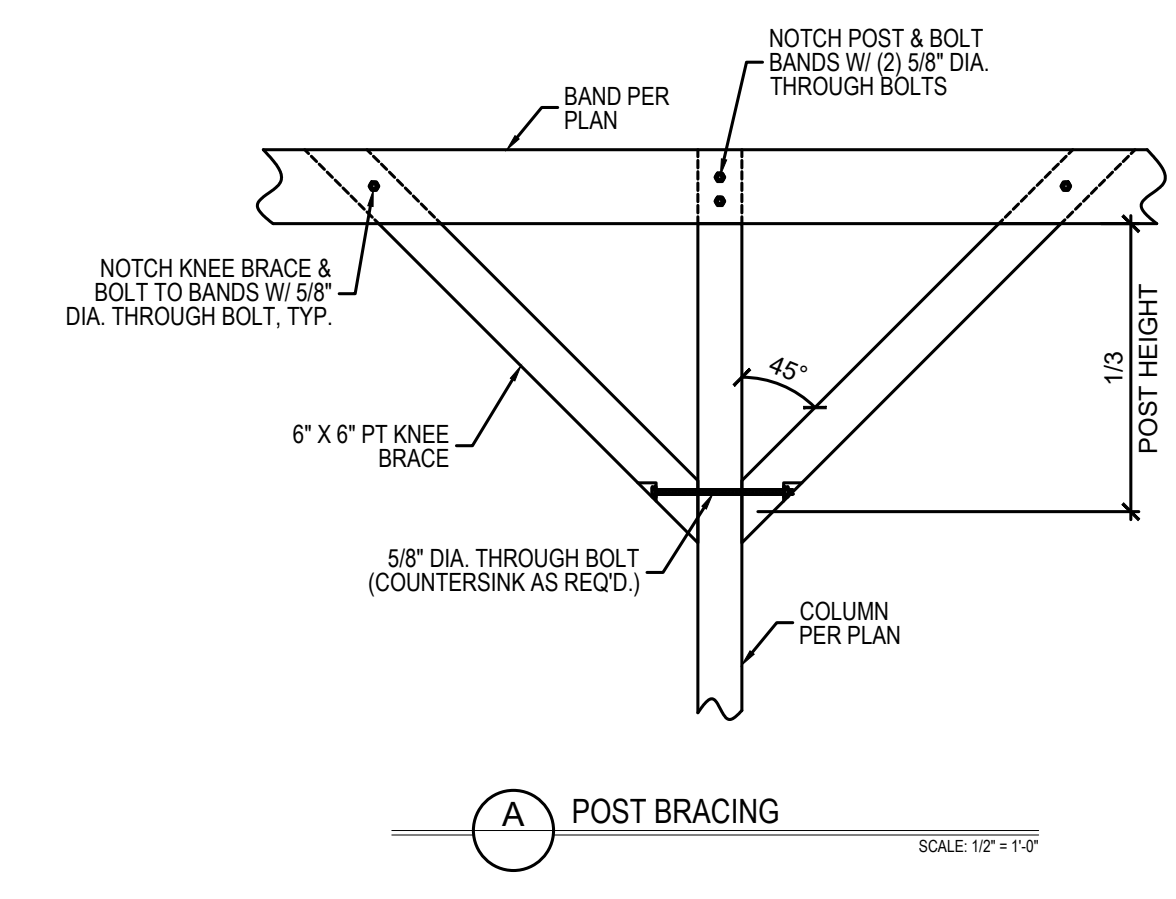
Drawn By: **MI CUNCUN**

# 1ST FLOOR HEADER

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Date: 04/20/2021  
Drawn/Design By: KFR  
DWG. Checked By: PTII  
Scale: SEE PLAN

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No.	Date	Remarks

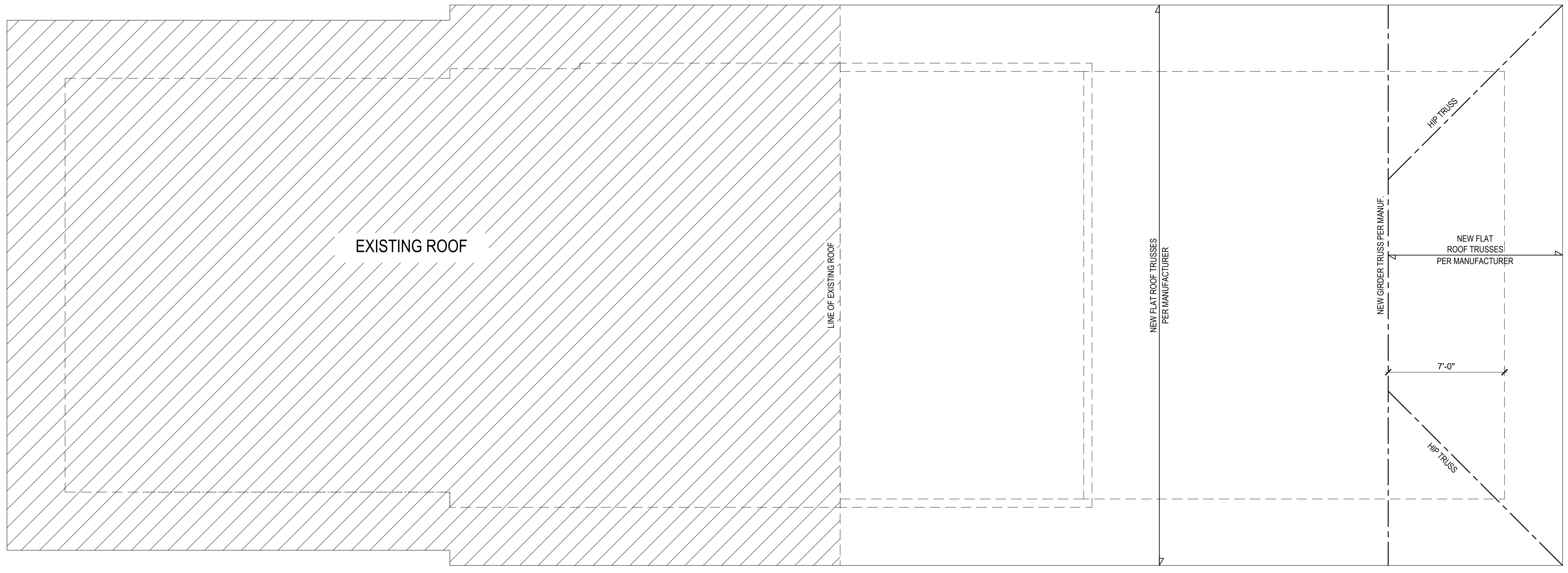
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4 of 5



**FIRST FLOOR PLAN**  
1/4" = 1'-0"

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**ROOF PLAN**  
1/4" = 1'-0"

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**ROOF PLAN**

Project #: 2001-010539B  
Date: 04/20/2021  
Drawn/Design By: KFR  
DWG. Checked By: PTII  
Scale: SEE PLAN

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No.	Date	Remarks
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