

1001 GENERAL NOTES:

STRUCTURAL DRAWINGS ARE TO BE USED IN CONJUNCTION WITH ALL OTHER CONSTRUCTION DOCUMENTS. THIS INCLUDES, BUT NOT LIMITED TO, SPECIFICATIONS, ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND SITE DRAWINGS.

ALL CONDITIONS, ELEVATIONS, AND DIMENSIONS SHALL BE VERIFIED IN THE FIELD AND WITH THE OTHER CONSTRUCTION DOCUMENTS BY THE CONTRACTOR. ANY DISCREPANCIES RELATED TO THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF SOUTHERN ENGINEERING INC. BEFORE PROCEEDING WITH THE AFFECTED PORTION OF WORK.

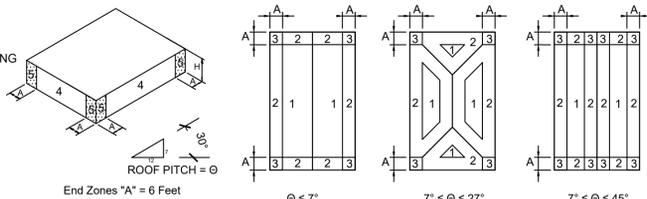
THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER CONSTRUCTION IS COMPLETED. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE PROPER PROCEDURES AND SEQUENCE OF CONSTRUCTION TO INSURE THE SAFETY OF THE BUILDING, ITS COMPONENTS AND PERSONNEL ON SITE. THIS INCLUDES TEMPORARY SUPPORT OF THE STRUCTURE DURING CONSTRUCTION WHICH MAY INCLUDE, BUT NOT LIMITED TO, TEMPORARY SHORING, BRACING AND TIE-DOWNS. SCOPE OF SERVICES ARE FOR THE STRUCTURAL SYSTEM ONLY AND DO NOT INCLUDE ANY ASPECTS THAT ARE NOT STRUCTURAL IN NATURE SUCH AS BUT NOT LIMITED TO WATER PROOFING, WATER INTRUSION, INSULATION, WEATHERING, FINISHES ETC. SOUTHERN ENGINEERING AND THE ENGINEER OF RECORD CHRIS SCOTT MILLER PE 62603 SHALL HAVE NO LIABILITY EXPRESSED OR IMPLIED FOR ANYTHING NOT STRUCTURAL IN NATURE.

1101 DESIGN LOADS:

THE STRUCTURAL SYSTEMS FOR THIS BUILDING HAVE BEEN DESIGNED IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE 8TH EDITION. THE FOLLOWING SUPERIMPOSED LOADS WERE UTILIZED IN THE DESIGN:

1102 WIND LOADS:

IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE 8TH EDITION ASCE7.  
 Vult = 160 MPH  
 Vasd = 124 MPH  
 ENCLOSED BUILDING (Gpc = ±0.18)  
 EXPOSURE B,  
 IMPORTANCE FACTOR, Iw = 1.0  
 CAT 2



COMPONENT & CLADDING PRESSURES (psf)

EFFECTIVE WIND AREA (FT.) <sup>2</sup>	WALL PRESSURES	
	4	5
10	+35/-38	+35/-47
20	+34/-36	+33/-44
50	+32/-35	+32/-40
100	+30/-33	+30/-37

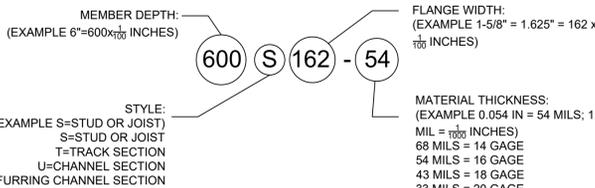
ROOF PRESSURES (ALL EFFECTIVE AREAS)		
1	2 & 3	OH 2 & 3
INTERIOR ZONE	CORNER & END ZONE	OVERHANG ZONE
+35/-38	+24/-95	+24/-126

NOTE:  
 1. A (kd) OF 0.85 HAS BEEN USED IN THE DEVELOPMENT OF THESE VALUES. THE USE OF THESE VALUES SHALL ONLY BE APPLIED WHEN USED IN CONJUNCTION WITH LOAD COMBINATIONS SPECIFIED IN SECTION 2.3 AND 2.4 OF ASCE 7-10  
 2. PRESSURE AND SUCTION ON SOFFITS SHALL BE THE SAME AS CORRESPONDING WALL ZONES 4 AND 5.  
 3. THE "ULTIMATE" WIND LOADS SHOWN ABOVE SHALL BE MULTIPLIED BY 0.6 TO REDUCE TO "SERVICE" LOAD

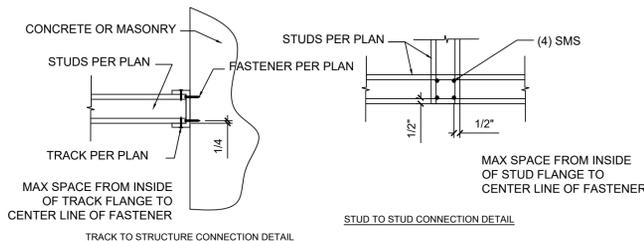
ENGINEERED LIGHT GAGE METAL FRAMING:

MATERIALS : 33 KSI WITH SECTIONS PER SSMA.

SECTIONS :  
 STUDS SHALL BE 16" O/C UNLESS NOTED OTHERWISE WITH SIZE AND GAGE PER PLAN WITH (2) #12 SMS EACH END AT TRACKS OR (4) #12 SMS AT STUD TO STUD CONNECTION U.N.O.  
 TRACKS SHALL BE CONTINUOUS UNLESS NOTED OTHERWISE WITH SIZE AND GAGE PER PLAN



STYLE:  
 (EXAMPLE S=STUD OR JOIST)  
 S=STUD OR JOIST  
 T=TRACK SECTION  
 U=CHANNEL SECTION  
 F=FURRING CHANNEL SECTION



1103 IMPACT RESISTANCE:

ALL WINDOWS, DOORS AND OTHER COMPONENTS AND CLADDING AS REQUIRED SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH SECTION 1606 OF THE FLORIDA BUILDING CODE FOR DESIGN GENERATED WILD LOADING IN ACCORDANCE WITH THE CRITERIA IN THE WIND LOAD SECTION OF THE STRUCTURAL NOTES. THE BUILDER OR ARCHITECT SHALL PROVIDE NECESSARY COPIES OF DETAILS, CERTIFICATIONS, ETC., TO THE BUILDING DEPARTMENT TO SHOW COMPLIANCE WITH THIS PARAGRAPH. THE ENGINEER OF RECORD DOES NOT CERTIFY THE STRUCTURAL INTEGRITY OF THESE ELEMENTS. DESIGN WIND PRESSURES ARE BASED ON AN ENCLOSED STRUCTURE CLASSIFICATION THEREFORE, IMPACT RESISTANT GLASS OR COVERING PER FBC SECTION 1609.1.2 IS REQUIRED. IMPACT RESISTANT GLASS SHALL MEET THE REQUIREMENTS OF THE LARGE AND SMALL MISSILE TEST.

5100 STRUCTURAL STEEL:

STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION EXCEPT CHAPTER 4.2.1, CODE OF STANDARD PRACTICE. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.1 ALL WELDING SHALL BE PERFORMED USING E70XX, LOW HYDROGEN ELECTRODES U.N.O. ELECTRODES ARE TO PROTECTED FROM MOISTURE. ALL CONNECTIONS TO BE DOUBLED ANGLE

FRAMED BEAM CONNECTION PER AISC U.N.O. ALL BOLTS TO BE 3/4" U.N.O. SHOP DRAWINGS MAY BE WELDED OR BOLTED. WELDS ARE TO BE EQUAL IN STRENGTH TO BOLTS. ALL FIELD CONNECTIONS ARE TO BE BOLTED WITH ASTM A325N OR A490 BOLTS (BEARING TYPE BOLTS WITH THREADS IN THE SHEAR PLANE) INCLUDE SUITABLE NUTS AND PLAIN HARDENED WASHERS. ALL BOLTS SHALL BE TIGHTENED SNUG TIGHT U.N.O. STEEL COLUMNS SHALL BE F46 KSI WITH CAP AND BASE PLATES A-36 & 325 BOLTS. STRUCTURAL STEEL SHAPES SHALL BE A36, ANCHOR BOLTS SHALL BE A307, STRUCTURAL STEEL TUBING SHALL BE ASTM A500 GRADE B, AND STEEL PIPE SHALL BE ASTM A 307. STEEL STAIRS AND LANDINGS SHALL BE DESIGNED FOR 100 PSF LIVE LOAD BY A FLORIDA LICENSED ENGINEER RETAINED BY THE STEEL FABRICATOR. NON-SHRINK GROUT IF SPECIFIED SHALL BE NONMETALLIC SHRINK-RESISTANT GROUT, PREMIXED, AND NON-CORROSIVE COMPLYING WITH CE-CRD-C621.

ABBREVIATIONS

@ = AT	FIN. = FINISH	REINF. = REINFORCING
A.B. = ANCHOR BOLT	FLR. = FLOOR	REQ'D = REQUIRED
ALT. = ALTERNATE	FDN. = FOUNDATION	REV. = REVISED / REVISION
APPROX. = APPROXIMATELY	F.S. = FAR SIDE	R.O. = ROUGH OPENING
ARCH. = ARCHITECT	FT. = FOOT	SCHED. = SCHEDULE
ARCHTL = ARCHITECTURAL	GA. = GAGE	SECT. = SECTION
BAL. = BALLANCE	GALV. = GALVANIZED	SIM = SIMILAR
B.C. = BOTTOM CHORD	G.C. = GENERAL CONTRACTOR	SQ. = SQUARE
BLDG. = BUILDING	HC = HOLLOW CORE	S.M.S. = SHEAT METAL SCREW
BM = BEAM	H.D.G. = HOT DIPPED GALVANIZED	STD. = STANDARD
BOTT = BOTTOM	HG = HIP GIRDER	SW = SHEAR WALL
BRG = BEARING	HORIZ. = HORIZONTAL	S.W. = SHORT WAY
CANT. = CANTILEVERED BEAM	H.P. = HIGH POINT	STL. = STEEL
CH. = CHANNEL	HSS = HOLLOW STRUCTURAL SECTION	TB = TIE BEAM
C.I.P. = CAST IN PLACE	I.J. = ISOLATION JOINT	T.C. = TOP CHORD
C.J. = CONTRACTION JOINT	I.L. = INNER LAYER	T/O = THRU OUT
CL. = CENTER LINE	INFO. = INFORMATION	T.O. = TOP OF ...
CLR. = CLEAR	INT. = INTERIOR	TS = TUBE STEEL
CMU = CONCRETE MASONRY UNIT	JT. = JOINT	T = TOP
COLUMN = COLUMN	L = ANGLE	TEMP. = TEMPERATURE
CONC. = CONCRETE	LG. = LONG	TYP. = TYPICAL
CONFIG. = CONFIGURATION	L.W. = LONG WAY	U.N.O. = UNLESS NOTED OTHERWISE
CONT. = CONTINUOUS	MFR. = MANUFACTURER	VERT. = VERTICAL
CONTR. = CONTRACTOR	MATL. = MATERIAL	V.S. = VALLEY SET
CONSTR. = CONSTRUCTION	MAX. = MAXIMUM	W = WIDE FLANGE
CTR. = CENTER	MIN. = MINIMUM	W/ = WITH
DBL = DOUBLE	MISC. = MISCELLANEOUS	WD. = WOOD
DLT. = DETAIL	M.O. = MASONRY OPENING	WP. = WORK POINT
DIA. = DIAMETER	N.S. = NEAR SIDE	W.W.F. = WELDED WIRE FABRIC
DIM. = DIMENTION	N.I.C. = NOT IN CONTRACT	
DN. = DOWN	N.T.S. = NOT TO SCALE	
DWG. = DRAWING	O.C. = ON CENTER	
EA. = EACH	O.H. = OPPOSITE HAND	
E.E. = EACH END	OPNG. = OPENING	
E.F. = EACH FACE	P.D.F. = POWDER DRIVEN FASTNER	
E.J. = EXPANTION JOINT	PART. = PARTITION	
EL./ELEV. = ELEVATION	PART'L = PARTIAL	
EQ. = EQUAL	PL = PLATE	
E.S. = EACH SIDE	PLF = POUNDS PER LINEAR FOOT	
E.W. = EACH WAY	PSF = POUNDS PER SQUARE FOOT	
EXIST. = EXISTING	PSI = POUNDS PER SQUARE INCH	
EXP. = EXPANTION	P.T. = POST TENTION OR PRESSURE TREATED	
EXT = EXTERIOR		

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SHEETS:  
 S100, S200, S300

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**A TENANT IMPROVEMENT FOR:  
 THE SANCTUARY GOLF & SOCIAL CLUB**  
 25191 CHAMBER OF COMMERCE DRIVE  
 BONITA SPRINGS, FLORIDA 34134

CONSULTANT:  
**SOUTHERN ENGINEERING OF SW FLORIDA** CA#26334  
 PROJECT # 25-185  
 14091 OAK HAMMOCK LANE  
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 REVISIONS:

SHEET  
**S100**

**SYMBOL LEGEND**

FTG: FOOTING DIMENSION  
L: DENOTES LENGTH OF BEAM  
TOB: DENOTES ELEVATION TOP OF BEAM  
TOC: ELEVATION TOP OF COLUMN  
BOC: ELEVATION BOTTOM OF COLUMN  
TOF: ELEVATION TOP OF FOOTINGS  
NOTE: ALL ELEVATIONS ARE RELATIVE TO GROUND FINISHED FLOOR OF 0'-0"

XXXXXX DENOTES EXISTING CMU WALL SYSTEM

6-LGM DENOTES 6" LIGHT GAGE METAL FRAMING AT 12" O/C PER SECTION

DETAIL #  
ON SHEET DETAIL ON SECTION MARK

DETAIL #  
VIEW DIRECTION  
ON SHEET DETAIL ON SECTION MARK

**PLAN NOTES**

1. WALL AND COLUMN CENTERLINES SHALL CENTER ON FOOTING CENTERLINES UNLESS NOTED OTHERWISE.
2. SEE DRAWING S100 FOR STRUCTURAL NOTES.
3. VERIFY DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS.

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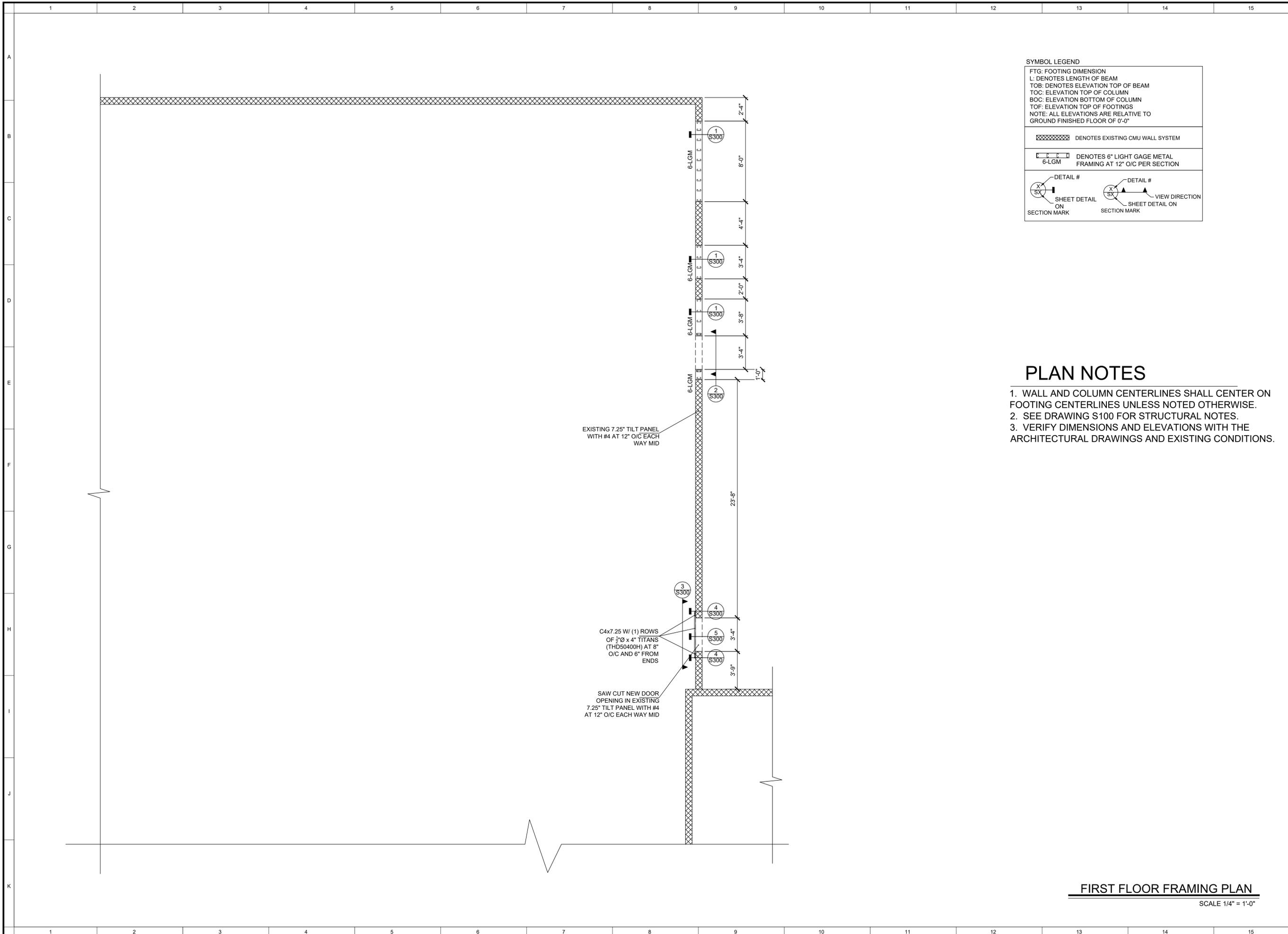
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SHEET

**S200**

OF



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

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