

NewStudio Architecture

4431 Lake Avenue South
White Bear Lake, MN 55110
P: 651.207.5527
F: 651.207.5247
NSA PROJECT NUMBER: 2013-99

ANTHROPOLOGIE

60 Pearl Street
Portland, ME 04101

STRUCTURAL ENGINEER:

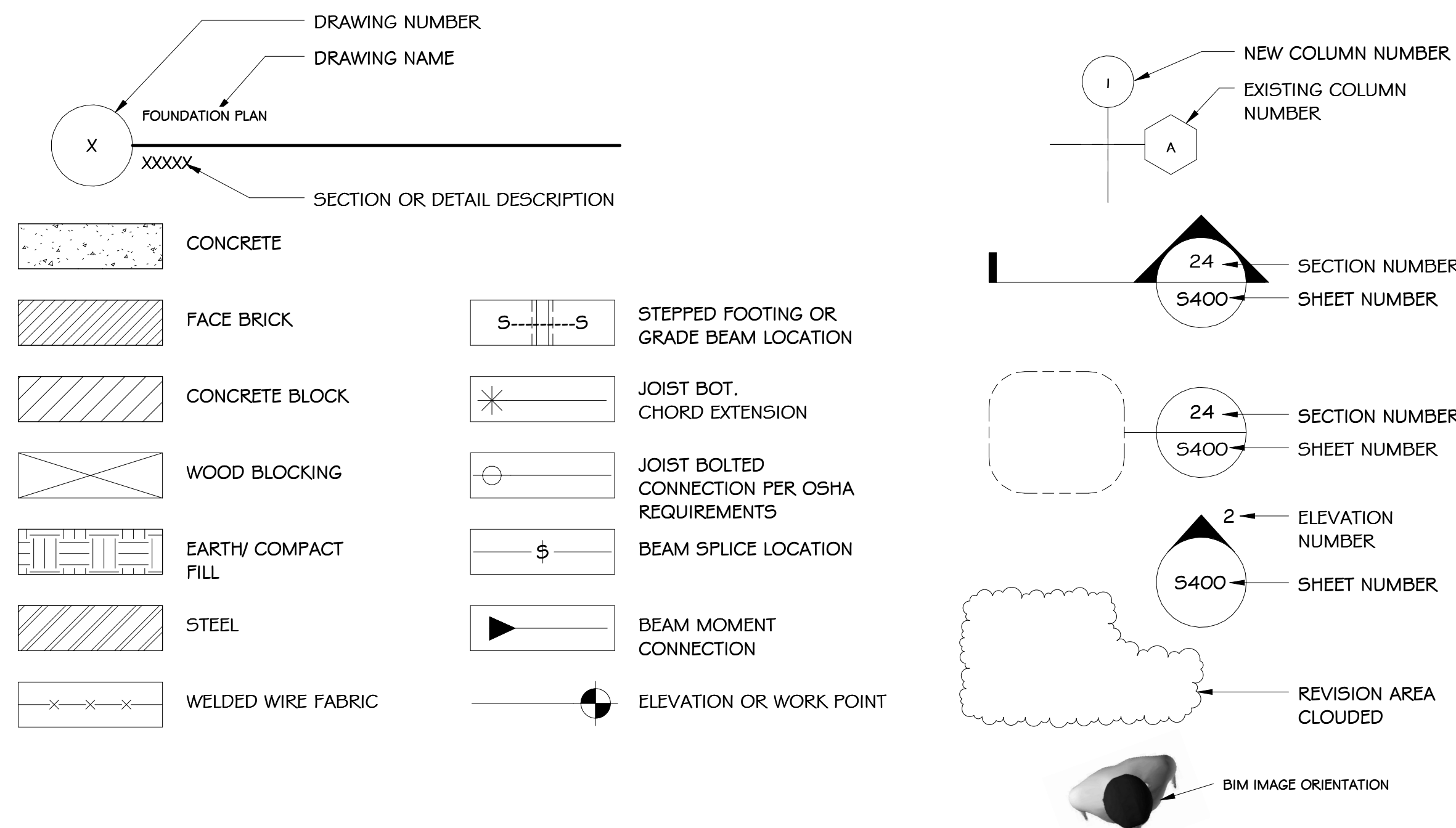


Advanced Structural Technologies

7212 Metro Blvd
Edina, MN 55439
(952) 854-9302 tel
(952) 854-9690 fax
www.astmn.com

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DRAWING SYMBOLS



ABBREVIATIONS

A. A.B. ANCHOR BOLT	D. DBL. DOUBLE	I. INFO. INFORMATION	O. O.C. ON CENTERS)	S. SOUTH
ADDL. ADDITIONAL	DIA. DIAMETER	J. JBE. JOIST BEARING ELEVATION	O.H. OVERHEAD	SCHED. SCHEDULE
ALT. ALTERNATE	DIAG. DIAGONAL	JST. JOIST	OPNG. OPENING	SIM. SIMILAR
ARCH. ARCHITECTURAL)	D.L. DEAD LOAD	JT. JOINT	OPP. OPPOSITE	SJI. STEEL JOIST INSTITUTE
B. BLDG. BUILDING	D.O. DITTO	K. KIP	P.C. PRECAST CONCRETE	SFA. SPACERS)
BLK. BLOCK	DTL. DETAIL	K.O. KNOCK-OUT	FL. FLATE	SQ. SQUARE
BLKG. BLOCKING	DWG. DRAWING	K.S.I. KIIPS PER SQ. INCH	PLP. POUNDS PER LINEAR FOOT	STD. STANDARD
BM. BEAM	E. EAST	L. LIVE LOAD	PROJ. PROJECT	STL. STEEL
BOT. BOTTOM	E.A. EACH	LL. LONG LEG HORIZONTAL	PSP. POUNDS PER SQ. FOOT	STRUCT. STRUCTURAL
BRG. BEARING	ELEV. ELEVATION	LLV. LONG LEG VERTICAL	PSI. POUNDS PER SQ. INCH	T. TEMP. TEMPORARY
B.TWN. BETWEEN	EMBED. EMBEDMENT	M. MINIMUM	R. RADIUS	TDE. TOP OF DECK ELEVATION
C. C.I.P. CAST IN PLACE	EQ. EQUAL	M.A.S. MASONRY	R.D. ROOF DRAIN	TFE. TOP OF FOOTING ELEVATION
C.J. CONTROL JOINT	EXIST. EXISTING	MATL. MATERIAL	REINP. REINFORCED, (ING)	TIE. TOP OF PIER ELEVATION
CL. CENTER LINE	EXP. EXPANSION	MAX. MAXIMUM	REQD. REQUIRED	TSE. TOP OF SLAB ELEVATION
CLR. CLEARANCE)	EXT. EXTERIOR	MECH. MECHANICAL	REV. REVISION, REVISED)	TYF. TYPICAL
CMU. CONCRETE MASONRY UNIT	FAB. FABRICATE(OR)	MEZZ. MEZZANINE	W. WEST	U. UNLESS NOTED OTHERWISE
COL. COLUMN	FD. FLOOR DRAIN	MFG. MANUFACTURE(OR)	W.F. WITH	
COMP. COMPOSITE	FNDN. FOUNDATION	MIN. MINIMUM	W.F. WORK POINT	
CONC. CONCRETE	FTG. FOOTING	MISC. MISCELLANEOUS	W.W.F. WELDED WIRE FABRIC	
CONN. CONNECTION	G. GAGE, GAUGE	M.O. MASONRY OPENING		
CONST. CONSTRUCTION	GALV. GALVANIZED	N. NORTH		
CONT. CONTINUOUS	G.C. GENERAL CONTRACTOR)	N.I.C. NOT IN CONTRACT		
COORD. COORDINATE	H. HORIZ. HORIZONTAL	NTS. NOT TO SCALE		
CTRD. CENTERED	HK. HOOK			
	H.S. HEADED STUDS			
	H.S.S. HOLLOW STRUCT. STEEL			

DRAWING INDEX

Sheet Number	Sheet Name
S001	TITLE SHEET/ STRUCTURAL NOTES
S002	SPECIAL INSPECTIONS/ TESTING/ REQUIRED SUBMITTALS
S100	FLOOR PLAN
S110	PARTIAL FRAMING PLANS
S300	SECTIONS AND DETAILS

ANTHROPOLOGIE PORTLAND, ME

STRUCTURAL NOTES

- I. DESIGN DATA
 - A. BUILDING CODE
 1. INTERNATIONAL BUILDING CODE 2009
 - B. DESIGN LOADS/DESIGN CRITERIA (ASCE-7 2010)
 1. SEISMIC DESIGN DATA
 - SEISMIC IMPORTANCE FACTOR----- I.0
 - OCCUPANCY CATEGORY----- II
 - MAPPED SPECTRAL RESPONSE ACCELERATIONS
 - S₁-----0.314 S₂-----0.077
 - SPECTRAL RESPONSE COEFFICIENTS
 - S_w-----0.324 S₀-----0.123
 - SITE CLASS (ASSUMED)----- D
 - SEISMIC DESIGN CATEGORY----- B
 - C. ALTERNATE DESIGNS

ALTERNATE STRUCTURAL SYSTEMS & DETAILS WILL ONLY BE CONSIDERED PROVIDED THEY ARE SUBMITTED WITH CALCULATIONS CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT. THE CALCULATIONS MUST SHOW THE EQUIVALENCY OF THE ALTERNATE. ACCEPTANCE OF THE ALTERNATE BY THE ENGINEER OF RECORD MUST BE IN WRITING.
 - D. GENERAL NOTES
 1. IN ALL CASES WHERE A CONFLICT MAY OCCUR, SUCH AS BETWEEN REQUIREMENTS IN THE SPECIFICATION AND REQUIREMENTS ON THE DRAWINGS, THE STRUCTURAL ENGINEER OF RECORD SHALL BE IMMEDIATELY NOTIFIED IN WRITING AND THE STRUCTURAL ENGINEER OF RECORD SHALL INTERPRET THE INTENT OF THE CONTRACT DOCUMENT.
 2. IN NO CASE, SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE STRUCTURAL DRAWINGS.
 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOBSITE AND TO CROSS CHECK ALL DETAILS AND DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS WITH RELATED REQUIREMENTS ON THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND CIVIL DRAWINGS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO COMMENCING WORK.
 - E. REFERENCE STANDARDS - SEE IBC CHAPTER 35 FOR ALL REFERENCE STANDARDS
- II. STEEL
 - A. STEEL MATERIAL PROPERTIES
 1. STEEL PROPERTIES:

	FY, PSI	ASTM
A. STRUCTURAL WIDE FLANGE SHAPES	50,000	A392
B. OTHER STRUCT. SHAPES & PLATES, ETC	36,000	A36
C. HIGH STRENGTH BOLTS, U.N.O.	74,000	A325
D. ANCHOR BOLTS	36,000	F1554
E. WELDING ELECTRODES	E70XX	A233
F. DECK WELDING ELECTRODES	360XX	A233
G. STRUCTURAL PIPES	35,000	A53
		GRADE B
H. STRUCTURAL TUBES	46,000	A500
		GRADE B
I. HEADED STUDS, TYPE B (F _u =65,000)	51,000	AWS D1.1 CHAPTER 7
J. EXPANSION BOLTS SHALL BE HILTI KWIK BOLT 3 OR PRE-APPROVED EQUAL.		
 2. STRUCTURAL STEEL
 1. STRUCTURAL STEEL DESIGN & CONSTRUCTION SHALL CONFORM TO IBC CHAPTER 22, SECTION 2201, AISC "LOAD & RESISTANCE FACTOR DESIGN SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" & AISC "CODE OF STANDARD PRACTICE," APPLY U.N.O.
 2. STRUCTURAL STEEL SUPPLIER SHALL SUBMIT SHOP DRAWINGS FOR ALL MATERIAL SUPPLIED.
 3. THIS STRUCTURE IS A NON-SELF SUPPORTING STEEL FRAME REQUIRING INTERACTION WITH OTHER ELEMENTS TO PROVIDE THE REQUIRED STABILITY. THE STEEL ERECTOR SHALL PROVIDE TEMPORARY BRACING UNTIL FINAL STABILITY IS PROVIDED.
 - III. LIGHT GAGE METAL STUD FRAMING
 - A. LIGHT GAGE FRAMING
 1. LIGHT GAGE FRAMING SHALL BE DESIGNED & CONSTRUCTED IN ACCORDANCE WITH IBC CHAPTER 22, SECTION 2205 - COLD FORMED STEEL.
 2. STUD DESIGNATION & RELATED ACCESSORIES ON DRAWINGS ARE BASED ON AISI/SFIA/SSMA (STEEL STUD MANUFACTURERS ASSOCIATION) STANDARD SHAPES. OTHER MANUFACTURERS SHALL FURNISH ELEMENTS OF EQUAL OR GREATER SECTION PROPERTIES, MATERIAL STRENGTHS & STIFFNESS.
 - F_y = 33,000 psi (STUDS = 1/8 GA & THINNER).
 - F_y = 50,000 psi (STUDS = 1/6 GA & THICKER).
 - F_y = 33,000 psi (TRACK).
 3. STEEL THICKNESS

REFERENCE GAGE	MINIMUM (MILS)	MINIMUM DELIVERED THICKNESS (IN.)
20	33	0.0329
18	43	0.0428
16	54	0.0538
14	68	0.0677
12	97	0.0966

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REVISION:

SHEET TITLE:
TITLE SHEET/
STRUCTURAL NOTES

SHEET NO:
S001