

STRUCTURAL ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE	L	STEEL ANGLE
ADD	ADDITIVE	LB	POUND
ADDL	ADDITIONAL	LGTH	LENGTH
AFF	ABOVE FINISHED FLOOR	LL	LIVE LOAD
ASCI	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	LLH	LONG LEG HORIZONTAL
ASIS	AMERICAN IRON AND STEEL INSTITUTE	LLV	LONG LEG VERTICAL
ALT	ALTERNATE/ALTERNATIVE	LONG	LONGITUDINAL
ALUM	ALUMINUM	LSH	LONG SIDE HORIZONTAL
ANCH	ANCHOR	LSL	LAMINATED STRAND LUMBER
ARCH	ARCHITECTURE/ARCHITECTURAL	LSV	LONG SIDE VERTICAL
ASD	ALLOWABLE STRESS DESIGN	LT WT	LIGHT WEIGHT
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS	LVL	LAMINATED VENEER LUMBER
AWS	AMERICAN WELDING SOCIETY		
B/	BOTTOM OF	MATL	MATERIAL
BCX	BOTTOM CHORD EXTENSION	MAX	MAXIMUM
BLDG	BUILDING	MB	MASONRY BEAM
BLK	BLOCK	MC	MISCELLANEOUS CHANNEL/MASONRY COLUMN
BM	BEAM	MECH	MECHANICAL
BOT	BOTTOM	MET	METAL
BP	BASE PLATE/BEARING PLATE	MFR	MANUFACTURE/MANUFACTURER
BRG	BEARING	MID	MIDDLE
BTWN	BETWEEN	MIN	MINIMUM
C	CHANNEL	MISC	MISCELLANEOUS
CB	CONCRETE BEAM	MO	MILES PER HOUR
CC	CONCRETE COLUMN	MPH	
CF	CUBIC FEET (FOOT)	NGVD	NATIONAL GEODETIC VERTICAL DATUM
CFS	COLD FORMED STEEL	NIC	NOT IN CONTRACT
CIP	CAST IN PLACE	NO	NUMBER
CJ	CONTRACTION JOINT OR CONTROL JOINT	NS	NEAR SIDE
CL	CENTERLINE	NTS	NOT TO SCALE
CLR	CLEAR/CLEARANCE	OC	ON CENTERS
CM	CONCRETE MASONRY	OD	OUTSIDE DIAMETER
CMU	CONCRETE MASONRY UNIT	OF	OUTSIDE FACE
CO	COMPANY	OPNG	OPENING
COL	COLUMN	OPP	OPPOSITE
CONC	CONCRETE	OSB	ORIENTED STRAND BOARD
CONT	CONTINUOUS	P/C	PRECAST CONCRETE/PILE CAP
CONN	CONNECTION	P/T	POST TENSIONED
CONST	CONSTRUCTION	PAR	PARALLEL
COORD	COORDINATE	PCB	PRECAST CONCRETE BEAM
CSJ	CONSTRUCTION JOINT	PCC	PRECAST CONCRETE COLUMN
CTR	CENTER	PCF	POUNDS PER CUBIC FEET
CTRD	CENTERED	PCI	PRECAST/PRESTRESSED CONCRETE INSTITUTE
CY	CUBIC YARD	REMB	PRE-ENGINEERED METAL BUILDING
DEPT	DEPARTMENT	PEN	PENETRATION
DET	DETAIL	P.J.	PANEL JOINT CENTERLINE
DIA	DIAMETER	PL	PLATE
DIAG	DIAGONAL	PLF	POUNDS PER LINEAR FOOT
DM	DIMENSION	PLMG	PLUMBING
DIST	DISTANCE	PLY	PLYWOOD
DL	DEAD LOAD	PREFAB	PREFABRICATED
DN	DOWN	PSF	POUNDS PER SQUARE FOOT
DWG	DRAWING	PSI	POUNDS PER SQUARE INCH
EA	EACH	PSL	PARALLEL STRAND LUMBER
EE	EACH END	PT	PRESSURE TREATED
EF	EACH FACE	PTI	POST-TENSIONING INSTITUTE
EHPA	EMERGENCY HURRICANE PROTECTION AREA	R/W	REINFORCED WITH
EJ	EXPANSION JOINT	RD	ROOF DRAIN
ELEC	ELECTRIC/ELECTRICAL	REF	REFERENCE
ELEV	ELEVATION	REINF	REINFORCING
ENGR	ENGINEER	REQD	REQUIRED
EOD	EDGE OF DECK	REV	REVISION
EOR	ENGINEER OF RECORD	RFI	REQUEST FOR INTERPRETATION
EOS	EDGE OF SLAB	RTU	ROOF TOP UNIT
EQ SP	EQUAL SPACED	SB	SOFFIT BEAM
ES	EACH SIDE	SCHED	SCHEDULE
EW	EACH WAY	S.F.	SQUARE FEET
EXIST	EXISTING	SF	STRIP FOUNDATION
EXP	EXPANSION	SM	SIMILAR
EXT	EXTERIOR	SPC	SPACE/SPACES
F	FOUNDATION	SPECS	SPECIFICATIONS
FD	FLOOR DRAIN	SQ	SQUARE
FDN	FOUNDATION	SS	STAINLESS STEEL
FV	FIELD VERIFY	STD	STANDARD
FF	FINISHED FLOOR	STFF	STIFFENER
FIN	FINISH	STL	STEEL
FIN GR	FINISH GRADE	STRUCT	STRUCTURAL
FLR	FLOOR	SYN	SYMMETRICAL
FS	FAR SIDE	T/	TOP OF
FT	FEET/FOOT	TB	TIE BEAM
FTG	FOOTING	TC	TIE COLUMN
GA	GAGE/GAUGE	T&B	TOP AND BOTTOM
GALV	GALVANIZED	TCX	TOP CHORD EXTENSION
GB	GRADE BEAM	TDS	TURN DOWN SLAB
GC	GENERAL CONTRACTOR	TE	THICKENED EDGE
GEN	GENERAL	TEMP	TEMPERATURE
GL	GRID LINE	TENS	TENSION
GS	GALVANIZED STEEL	THD	THREAD/THREADED
HD	HOT DIPPED	THK	THICK
HDG	HOT DIPPED GALVANIZED	TOL	TOLERANCE
HORIZ	HORIZONTAL	TRANS	TRANSVERSE
HSA	HEADED STUD ANCHOR	TS	TUBE STEEL
HSS	HOLLOW STRUCTURAL SECTION	T.S.	THICKENED SLAB
HT	HEIGHT	TWF	THICKENED WALL FOUNDATION
I	MOMENT OF INERTIA	TYP	TYPICAL
ID	INSIDE DIAMETER	UNO	UNLESS NOTED OTHERWISE
I.F.	INSIDE FACE	VERT	VERTICAL
IN	INCH	VOL	VOLUME
INT	INTERIOR	W	WIDE FLANGE SECTION
JST	JOIST	W/	WITH
JT	JOINT	W/O	WITHOUT
K	KIP (1000 LB)	WD	WOOD
KLF	KIPS PER LINEAL FOOT	WF	WALL FOOTING
KSI	KIPS PER SQUARE INCH	WP	WATERPROOF
KWY	KEYWAY	W.P.	WORKING POINT
		WS	WELDED STUD
		WT	WEIGHT/STRUCTURAL TEE SECTION
		WWF	WELDED WIRE FABRIC
@	AT DESIGNATION		
#	POUNDS / REBAR SIZE NUMBER		
+/-	PLUS OR MINUS		
C.L.	CENTER LINE		
&	AND		
Sx	SECTION MODULUS		
Ix	MOMENT OF INERTIA		

STRUCTURAL SYMBOLS AND LEGEND

STRUCTURAL SHEET INDEX	
SHEET #	SHEET TITLE
S0.01	ABBREVIATIONS SYMBOLS AND SHEET INDEX
S0.02	STRUCTURAL GENERAL NOTES
S0.03	STRUCTURAL GENERAL NOTES CONTINUED
S0.04	SPECIAL INSPECTIONS
S0.05	SCHEDULES AND COMPONENT WIND CRITERIA
S1.01A	PARTIAL FOUNDATION PLAN - UNIT A
S1.01B	PARTIAL FOUNDATION PLAN - UNIT B
S1.04A	PARTIAL ROOF FRAMING PLAN - UNIT A
S1.04B	PARTIAL ROOF FRAMING PLAN - UNIT B
S4.01	FOUNDATION SECTIONS AND DETAILS
S4.02	FOUNDATION SECTIONS AND DETAILS
S4.03	SECTIONS AND DETAILS
S4.04	SECTIONS AND DETAILS



CONSULTANTS

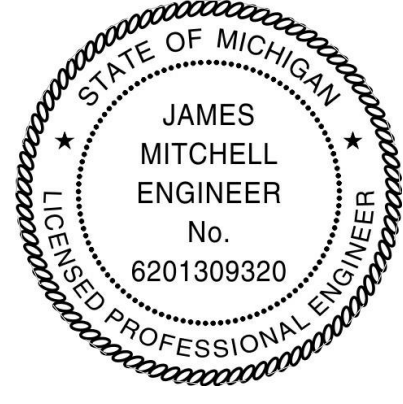
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THINK. LISTEN. CREATE.

PROJECT INFO

PROJECT GROUNDHOG
 1001 W EIGHT MILE ROAD, DETROIT, MI 48203

SEALS



SHEET RELEASES

DATE	RELEASED
03/12/2021	BIDS AND PERMIT SET

PA/PM:	JRM
DRAWN BY:	RBJ
JOB NO:	100-2020-03
DATE:	03/12/2021

SHEET INFO

ABBREVIATIONS
 SYMBOLS AND SHEET
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S0.01