


DRAWING ABBREVIATIONS				TG-ABBR-01			
ABUT	ABUTMENT	DP	DEEP	ld	TENSION DEVELOPMENT LENGTH OF REBAR	SPEC	SPECIFICATIONS
ACA	ADHESIVE CONCRETE ANCHORS, SEE GENERAL NOTES	DWG	DRAWING	ldc	COMPRESSION DEVELOPMENT LENGTH OF REBAR	SPF	SPRUCE PINE FIR
ADDL	ADDITIONAL	DWL	DOWEL	ldh	TENSION EMBEDMENT LENGTH WITH STANDARD HOOK	SR	STUD RAIL
AEC	ARCHITECTURALLY EXPOSED CONCRETE	EA	EACH	LE	LEFT END	SS	STAINLESS STEEL
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	ECR	EPOXY COATED REINFORCEMENT	LG	LONG	ST	STRAIGHT
AIFB	ASPHALT IMPREGNATED FIBERBOARD	EBF	ECCENTRICALLY BRACED FRAME	LL	LOWER LEVEL	STD	STANDARD
ALT	ALTERNATE	EE	EACH END	LLH	LONG LEG HORIZONTAL	STE	SHEAR TRANSFER ELEMENTS
AMA	ADHESIVE MASONRY ANCHORS, SEE GENERAL NOTES	EF	EACH FACE	LLV	LONG LEG VERTICAL	STG	STAGGERED
ARCH	ARCHITECTURAL	EJ, EXP JT	EXPANSION JOINT	LONG	LONGITUDINAL	STR	STIRRUP
A-ROD	ANCHOR ROD	ELECT	ELECTRICAL	LSH	LONG SIDE HORIZONTAL	STIFF	STIFFENER
ASPH	ASPHALT	EL	ELEVATION	LP	LOW POINT	STL	STEEL
AVG	AVERAGE	ELEV	ELEVATOR	LWT	LIGHT WEIGHT	STR	SEISMIC STRAP
B,BOT	BOTTOM	EMBED	EMBEDMENT	MAX	MAXIMUM	STRUCT	STRUCTURAL
BCE	BOTTOM CHORD EXTENSION	ENG	ENGINEER	MC	MOMENT CONNECTION (— — —)	SWT	SELF WEIGHT
BCP	BORED CONCRETE PILE	EOD	EDGE OF DECK	MECH	MECHANICAL	SYMM	SYMMETRICAL
BEW	BOTTOM EACH WAY	EOS	EDGE OF SLAB	MEZZ	MEZZANINE	t	THICKNESS
BH	BOREHOLE	ES	EACH SIDE	MF	MOMENT FRAME	TB	TRANSFER BEAM
BL	BOTTOM LOWER LAYER	EQ	EQUAL	MIN	MINIMUM	TBB	TOP BASIC BARS
BOF	BOTTOM OF FOOTING	EW	EACH WAY	MISC	MISCELLANEOUS	T	TOP
BOP	BOTTOM OF PILE	EX, EXIST	EXISTING	MJ	MOVEMENT JOINT	TDL	TENSION DEVELOPMENT LENGTH
BP	BASE PLATE	EXT	EXTERIOR	ML	MIDDLE LAYER	TEW	TOP EACH WAY
BRG	BEARING	FC	FUTURE COLUMN	NF	NEAR FACE	T&G	TONGUE AND GROOVE
BRP	BEARING PLATE	FD	FLOOR DRAIN	NIC	NOT IN CONTRACT	TJ	TIE JOIST
BSMT	BASEMENT	FF	FAR FACE	NOM	NOMINAL	TLL	TOP LOWER LAYER
BUL	BOTTOM UPPER LAYER	FIN	FINISHED	NTS	NOT TO SCALE	TIO	TOP OF
BLUP	BOTTOM OF UNDERPINNING	FL	FLOOR	O/C	ON CENTER	TOB	TOP OF (GRADE) BEAM
C	CAMBER	FMC	FULL MOMENT CONNECTION (FOR FULL MOMENT CAPACITY)	OD	OUTSIDE DIAMETER	TOC	TOP OF CONCRETE
CA	COLUMN ABOVE ONLY (NO COLUMN BELOW)	FND	FOUNDATION	OF	OUTSIDE FACE	TOF	TOP OF FOOTING
CANT	CANTILEVER	FTG	FOOTING	OPP	OPOSITE	TOS	TOP OF STEEL
CAT	CATEGORY (FOR AESS)	GA	GAUGE	OWSJ	OPEN WEB STEEL JOIST	TOP	TOP OF PILE
CB	COLUMN BELOW ONLY (NO COLUMN ABOVE)	GALV	GALVANIZED	PAF	POWDER ACTUATED FASTENERS	TOW	TOP OF WALL
CDL	COMPRESSION DEVELOPMENT LENGTH	GB	GRADE BEAM	PC	PILE CAP	TPC	TOP OF PILE CAP
CEL	CUT OFF ELEVATION FOR PILES	GEN	GENERAL	PL	PLATE	TRANS	TRANSVERSE
CIP	CAST-IN PLACE	GL	GRIDLINE	PROJ	PROJECT, PROJECTION	TS	TENSION SPlice "A"
CJ	CONTROL JOINT	GRD	GROUND	PS	PIPE SUPPORT	TSB	TENSION SPlice "B"
CLR	CLEAR	h	TOTAL THICKNESS, SLAB THICKNESS AWAY FROM DROP PANEL	PT	POST TENSIONED	TUL	TOP UPPER LAYER
CL	CENTRELINE	hd	SLAB OVERALL THICKNESS AT DROP PANEL	PTL	PRESSURE TREATED LUMBER	TYP	TYPICAL
CMU	CONCRETE MASONRY UNITS	H, HORIZ	HORIZONTAL	R	RADIUS	U-BAR	'U' SHAPED BAR
CNT	STEEL DECK CORE NOMINAL THICKNESS	(H)	HIGH BEAM	RA	ROOF ANCHOR	UDB	UNIFORMLY DISTRIBUTED BARS
COMP	COMPOSITE	HC	HOLLOWCORE	RD	ROOF DRAIN	UIF	UNDERSIDE OF FOOTING
COL	COLUMN	HD	HOLD DOWN	RDA	REBAR DOWEL ANCHORS, SEE GENERAL NOTES	UL	UPPER LEVEL
CONC	CONCRETE	HDG	HOT DIPPED GALVANIZED	RE	RIGHT END	ULS	ULTIMATE LIMIT STATE
CONT	CONTINUOUS	HEF	HORIZONTAL EACH FACE	REIN	REINFORCEMENT	UIS	UNDERSIDE
CONT'D	CONTINUED	HIF	HORIZONTAL INSIDE FACE	REM	REMAINDER	UN, UNO	UNLESS NOTED OTHERWISE
CONST. J.	CONSTRUCTION JOINT	HH	HOOK EACH END	REQ'D	REQUIRED	UPT	UPTURNED
CP	CONNECTION PLATE	HIC	HORIZONTAL IN CENTRE	REV	REVISION	V, VERT	VERTICAL, VERTICALS
CPL	CAP PLATE	HMA	HOLLOW MASONRY ANCHORS, SEE GENERAL NOTES	RF	RIGID FRAME	VB	VERTICAL BRACING
CS	COMPRESSION LAP SPLICE	HOF	HORIZONTAL OUTSIDE FACE	RL	REFERENCE LINE	VEF	VERTICAL EACH FACE
COV	CLEAR COVER	HP	HIGH POINT	RSS	RETAINED SOIL SYSTEM	VIF	VERTICAL INSIDE FACE
CW	COMPLETE WITH, CONNECT WITH	HSC	HORIZONTAL SLOTTED CONNECTION	RTU	ROOF TOP UNIT	VIC	VERTICAL IN CENTRE
CWS	(SEE GENERAL NOTES)	IBI	INTEGRITY BARS INTERIOR	RET, WALL	RETAINING WALL	VOF	VERTICAL OUTSIDE FACE
CLS	(SEE GENERAL NOTES)	IBE	INTEGRITY BARS EXTERIOR	R/W	REINFORCE WITH	VSC	VERTICALLY SLOTTED CONNECTION
DCA	DRILLED CONCRETE ANCHOR, SEE GENERAL NOTES	IBA	INTEGRITY BARS ADDED	r.w.	REQUIRED WITH	WB	WALL BELOW
DEMO	DEMOLITION	IBB	INTEGRITY BOTTOM BARS (THROUGHOUT)	SDF	STEP DOWN FOOTING (IN DIRECTION OF ARROW)	WC	WIND COLUMN
DET	DETAIL	ID	INSIDE DIAMETER	SEC	SECTION	w/o	WITHOUT
D.FIR-L	DOUGLAS FIR-LARCH	INT	INTERIOR	SIM	SIMILAR	WP	WORK POINT
DIA, Ø	DIAMETER	IF	INSIDE FACE	SJ	STEEL JOIST	WSP-S	WSP STRUCTURAL
DIV	DIVIDER BEAM	JG	JOIST GIRDER	SL	SLAB, SHELF ANGLE	WWF	WELDED WIRE FABRIC
DMA	DRILLED MASONRY ANCHOR, SEE GENERAL NOTES	KB	KNEE BRACING	SLBB	SHORT LEG BACK TO BACK	ZRP	ZINC RICH PAINT
DN	DOWN	(L)	LOW BEAM	SLS	SERVICEABILITY LIMIT STATE	Yc	CONCRETE DENSITY
DNW	DOUBLE NUT AND WASHER	2L	BACK TO BACK ANGLES	SOG	SLAB-ON-GRADE		

LOADING ABBREVIATIONS		TG-ABBR-02
Af	FACTORED AXIAL LOAD IN kN (+ INDICATES TENSION, - INDICATES COMPRESSION)	
Cf	FACTORED COMPRESSION IN kN	
fc	COMPRESSIVE STRENGTH OF CONCRETE, IN MPa	
fy	YIELD STRENGTH IN MPa	
Mf	FACTORED MOMENT IN kN.m	
Mfx	FACTORED MOMENT ABOUT X-X (STRONG) AXES IN kN.m	
Mfy	FACTORED MOMENT ABOUT Y-Y (WEAK) AXES IN kN.m	
MPL	MASONRY PARTITION DEAD LOAD IN kN/m	
MTf	FACTORED TORSION IN kN.m	
Rf	FACTORED VERTICAL REACTION IN kN	
RHf	FACTORED HORIZONTAL REACTION IN kN	
P	SPECIFIED (UNFACTORED) POINT LOAD IN kN	
Pf	FACTORED POINT LOAD IN kN	
Vf	FACTORED SHEAR IN kN	
Tf	FACTORED TENSION IN kN	
WT	WEIGHT OF MECHANICAL EQUIPMENT	

REVISIONS:			
REV	DATE	DESCRIPTION	BY
0	2024-12-19	ISSUED FOR TENDER	KN

SEAL:



ENGINEERS
GEO-SCIENTISTS
MANITOBA
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ORIGINAL SCALE: NTS	DATE: 2024-11-20
APPROVED BY: KN	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
CHECKED BY: LJ	
DRAWN BY: CV	

DISCIPLINE: STRUCTURAL



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PROJECT NUMBER: CA0044374.3443



CITY OF WINNIPEG

CLIENT REF. #:

PROJECT: BRIDGWATER FOREST FOUNTAIN - PERGOLA PILLAR REINSTATEMENT

TITLE: TYPICAL DETAILS

DRAWING NUMBER: S110	REV: 0
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