

MASONRY NOTES

1.

CONCRETE BLOCK MASONRY SHALL BE IN ACCORDANCE WITH CSA-S304.1-04(R2010) AND CAN/CSA-A165 SERIES-04(R2009).
2.

MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH CSA-S304.1-04(R2010) AND CAN/CSA-A371-04(R2009).
3.

CONCRETE BLOCK SHALL CONFORM TO CSA A165-04 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 15 MPa [2143 psi] (CLASSIFICATION H/15/D/M).
4.

FILL CELLS CONTAINING VERTICAL REINFORCING AND ANCHORS WITH CONCRETE DESIGNATED 'MASONRY CORE FILLS.' PUDDLE OR VIBRATE TO FILL CORES COMPLETELY. SITE MIXING OF CONCRETE IS NOT PERMITTED FOR EXTERIOR AND LOAD-BEARING MASONRY WALLS.
5.

USE ONLY TYPE 'S' MORTAR CONFORMING TO CSA-A179-04(R2009).
6.

MASONRY WIRE REINFORCING SHALL CONFORM TO ASTM A951/A951M-11. PROVIDE CONTINUOUS JOINT REINFORCEMENT EVERY SECOND COURSE AND ELSEWHERE AS INDICATED IN SPECIFICATIONS.
7.

REINFORCE INTERIOR MASONRY PARTITION AND LOAD-BEARING WALLS WITH VERTICAL REINFORCING AS FOLLOWS UNO:

1-15M AT 1200 C/C [4'-0"] MAX.

1-15M AT CORNERS, ENDS & WALL INTERSECTIONS.

1-15M EACH SIDE OF CONTROL JOINTS.

2-15M AT WALL OPENINGS.
8.

REINFORCE EXTERIOR MASONRY WALLS WITH VERTICAL REINFORCING AS FOLLOWS UNO:

1-20M AT 1000 C/C [3'-3"] MAX.

1-20M AT CORNERS, ENDS & WALL INTERSECTIONS.

1-20M EACH SIDE OF CONTROL JOINTS.

2-20M AT WALL OPENINGS.
9.

MASONRY WALLS TO BE RUNNING BOND UNLESS NOTED OTHERWISE WITH FULL MORTAR BEDS.
10.

VERTICAL REINFORCEMENT SHALL BE CONTINUOUS TO WITHIN 50mm [2"] OF TOP OF WALL.
11.

PROVIDE DOWELS INTO SUPPORTING CONCRETE AT VERTICAL REINFORCING LOCATIONS AT SAME SIZE AND SPACING AS VERTICAL REINFORCEMENT.
12.

PROVIDE 400mm [1'-4"] DEEP BOND BEAMS AT THE TOPS OF ALL WALLS, AND THE BOTTOM OF INTERIOR PARTITION WALLS. USE SPECIAL 'BOND BEAM UNITS' TO PROVIDE CONTINUITY OF VERTICAL REINFORCING BARS. PROVIDE 2-15M CONTINUOUS TOP AND BOTTOM UNO LAP SPLICE 800mm [2'-8"] MIN.
13.

LAP SPLICE MASONRY WALL REINFORCING AS FOLLOWS:

BAR SIZE	REQUIRED LAP
10M	300mm [1'-0"]
15M	650mm [2'-2"]
20M	1100mm [3'-7"]

14.

INSTALL VERTICAL CONTROL JOINTS IN WALLS AT 9000 C/C [29'-6"] MAX. LOCATE JOINTS AT LATERAL SUPPORTS PROVIDED BY COLUMNS, PILASTERS, CORNERS AND INTERSECTING WALLS. COORDINATE LOCATIONS WITH ARCHITECTURAL DRAWINGS.

SLAB, BEAM, AND WALL HORIZONTAL EMBEDMENT AND LAP SPLICE LENGTHS																
BAR SIZE	TENSION EMBEDMENT				TENSION LAP SPLICE				COMPRESSION EMBEDMENT				COMPRESSION LAP SPLICE			
	25 MPa	30 MPa	35 MPa	40 MPa	25 MPa	30 MPa	35 MPa	40 MPa	25 MPa	30 MPa	35 MPa	40 MPa	25 MPa	30 MPa	35 MPa	40 MPa
10M	400	350	350	300	500	450	450	400	200	200	200	200	300	300	300	300
15M	600	550	500	450	750	700	650	600	300	300	300	300	450	450	450	450
20M	750	700	650	600	1000	900	850	800	400	400	400	400	600	600	600	600
25M	1200	1100	1000	950	1550	1400	1300	1250	500	450	450	450	750	750	750	750
30M	1450	1300	1200	1150	1850	1700	1550	1450	600	550	550	550	900	900	900	900
35M	1650	1500	1400	1300	2150	1950	1800	1700	700	650	650	650	1050	1050	1050	1050
COLUMN, ZONE, AND WALL VERTICAL EMBEDMENT AND LAP SPLICE LENGTHS																
BAR SIZE	TENSION EMBEDMENT				TENSION LAP SPLICE				COMPRESSION EMBEDMENT				COMPRESSION LAP SPLICE			
	25 MPa	30 MPa	35 MPa	40 MPa	25 MPa	30 MPa	35 MPa	40 MPa	25 MPa	30 MPa	35 MPa	40 MPa	25 MPa	30 MPa	35 MPa	40 MPa
10M	300	300	250	250	400	350	350	300	200	200	200	200	300	300	300	300
15M	450	400	400	350	600	550	500	450	300	300	300	300	450	450	450	450
20M	600	550	500	500	750	700	650	600	400	400	400	400	600	600	600	600
25M	900	850	800	750	1200	1100	1000	950	500	450	450	450	750	750	750	750
30M	1100	1000	950	900	1450	1300	1200	1150	600	550	550	550	900	900	900	900
35M	1300	1200	1100	1000	1650	1500	1400	1300	700	650	650	650	1050	1050	1050	1050

- TABLE NOTES:
1.

BASED ON CSA A23.3-04.
2.

ENCLOSED BY MINIMUM STIRRUPS OR TIES WHERE APPLICABLE.
3.

CLEAR COVER AT LEAST 1.0 x BAR DIAMETER.
4.

CLEAR SPACING AT LEAST 1.4 x BAR DIAMETER.
5.

INCREASE LENGTHS TO 1.31 x LISTED LENGTH FOR EPOXY COATED REINFORCING.

ABBREVIATIONS

ALT	ALTERNATING	LG	LONG
AFF	ABOVE FINISHED FLOOR	LLBB	LONG LEG BACK TO BACK
A.BOLT	ANCHOR BOLT	LLH	LONG LEG HORIZONTAL
ARCH	ARCHITECTURAL	LLV	LONG LEG VERTICAL
ASL	ACCUMULATED SNOW LOAD	LP	LOW POINT
BCE	BOTTOM CHORD EXTENSION	LSH	LONG SIDE HORIZONTAL
BEW	BOTTOM EACH WAY	LSV	LONG SIDE VERTICAL
BOT	BOTTOM	MAX	MAXIMUM
BTW	BETWEEN	MECH	MECHANICAL
BLL	BOTTOM LOWER LAYER	MC	MOMENT CONNECTION
BUL	BOTTOM UPPER LAYER	MF	FACTORED MOMENT
B.PL	BASE PLATE	MID	MID DEPTH
CA	COLUMN ABOVE	MIN	MINIMUM
CB	COLUMN BELOW	MRF	MOMENT RESISTING FRAME
CANT	CANTILEVER	NTS	NOT TO SCALE
C/C	CENTRE TO CENTRE	O/C	ON CENTER
C1	FACTORED COMPRESSION FORCE	O.D.	OUTSIDE DIAMETER
CJ	CONTROL JOINT	O.F.	OUTSIDE FACE
CJP	COMPLETE JOINT PENETRATION	O/O	OUT TO OUT
CO	CLEAN OUT	OPP	OPPOSITE
COL	COLUMN	OWSJ	OPEN WEB STEEL JOIST
CONC	CONCRETE	PA	POST ABOVE
CONN	CONNECTION	PERP	PERPENDICULAR
CONST	CONSTRUCTION	PJP	PARTIAL JOINT PENETRATION
CONT	CONTINUOUS	PL	PLATE
C/W	COMPLETE WITH	PROJ	PROJECTION
DET	DETAIL	PT	POINT
DIA	DIAMETER	PTFE	POLYTETRAFLUOROETHYLENE
DL	DEAD LOAD	R/W	REINFORCED WITH
DO	DITTO	REINF	REINFORCING
DN	DOWN	REM	REMAINDER
DP	DEEP	REV	REVERSE
DWG	DRAWINGS	RHE	RIGHT HAND END
DWL	DOWELS	SCHED	SCHEDULE
EE	EACH END	SDF	STEP DOWN FOOTING
ELECT	ELECTRICAL	SDL	SUPERIMPOSED DEAD LOAD
ELEV	ELEVATION	SECT	SECTION
EF	EACH FACE	SIM	SIMILAR
EL	ELEVATION	SOG	SLAB ON GRADE
EW	EACH WAY	STGD	STAGGERED
EQ	EQUAL	STRUCT	STRUCTURAL
ES	EACH SIDE	SW	SHEAR WALL
EX	EXISTING	T&B	TOP AND BOTTOM
EXP	EXPANSION	T/O	TOP OF
EXT	EXTERIOR	TEMP	TEMPERATURE
FDN	FOUNDATION	TEW	TOP EACH WAY
FIN	FINISHED	TI	FACTORED TENSION FORCE
FL	FLOOR	TJ	TIE JOIST
FTG	FOOTING	TLL	TOP LOWER LAYER
GRND	GROUND	TUL	TOP UPPER LAYER
HCJ	HORIZONTAL CONSTRUCTION JOINT	TYP	TYPICAL
HDG	HOT DIPPED GALVANIZED	UNO	UNLESS NOTED OTHERWISE
HEE	HOOK EACH END	U/S	UNDERSIDE
HEF	HORIZONTAL EACH FACE	VBF	VERTICAL BRACE FRAME
HIF	HORIZONTAL INSIDE FACE	VEF	VERTICAL EACH FACE
HP	HIGH POINT	VERT	VERTICAL
HOR	HORIZONTAL	Vhf	FACTORED HORIZONTAL SHEAR FORCE (IN PLANE W/ FLOOR)
I.D.	INSIDE DIAMETER	VI	FORCE (IN PLANE W/ FLOOR)
I.F.	INSIDE FACE	VIF	FACTORED SHEAR FORCE
INT	INTERIOR	VOF	VERTICAL INSIDE FACE
INV	INVERT	VSC	VERTICAL OUTSIDE FACE
JT	JOINT		VERTICALLY SLOTTED CONNECTION
LHE	LEFT HAND END	W/	WITH
LL	LIVE LOAD	WP	WORK POINT
		WWF	WELDED WIRE FABRIC

LEGENDS AND SYMBOLS

	DIAMETER		ELEVATION OF U/S STEEL DECK WITH RESPECT TO SPECIFIED ELEVATION ON PLAN
	SQUARE	OR	
	AT		ELEVATION OF T.O. CONCRETE WITH RESPECT TO SPECIFIC ELEVATION ON PLAN
	STEEL ANGLE		SLAB DEPRESSION FOR FLOOR DRAIN
	SLAB SPAN DIRECTION (ONE WAY)		MIDSPAN BEAM CAMBER (SEE TYP. DETAILS)
	SLAB SPAN DIRECTION (2 WAY)		STRUCTURAL SLAB THICKNESS
	BOTTOM REINFORCING BAR		
	TOP REINFORCING BAR		
	15MC DENOTES 15M EPOXY COATED BAR		
	15MG DENOTES 15M GALVANIZED BAR		
	C10M1000 DENOTES 10M BARS OF LENGTH 1000mm PLUS THE STANDARD HOOK FOR A 10M BAR		
	MOMENT CONNECTION		

DIALOG™

stamp



A

B

C

detail no.

drawing no. - where detail required

dessin no. - où détail exigé

drawing no. - where detailed

dessin no. - où détaillé

project title  
titre du projet

GRAND VALLEY INSTITUTION FOR WOMEN  
1575 HOMER WATSON BLVD.  
KITCHENER, ONTARIO, N2P2C5

PRINCIPAL ENTRANCE BUILDING

drawing title  
titre du dessin

GENERAL NOTES

drawn by  
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KAZ

designed by  
conc par

NM

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approuve par

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bid  
offre

RP

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project date  
date du projet

10/24/2012

project no.  
no. du projet

DIALOG NO. 09487T.02  
R.047995.001

drawing no.  
dessine no.

S1.03