GENERAL STRUCTURAL NOTES

DIVISION I: GENERAL

DESIGN, FABRICATION, CONSTRUCTION, AND INSTALLATION OF ALL COMPONENTS SHALL BE IN CONFORMANCE WITH THE ONTARIO BUILDING CODE LATEST REVISIONS. PART 9

IMPORTANCE CATEGORY: NORMAL GROUND SNOW LOAD Ss = 1.2 kPa GROUND RAIN LOAD Sr = 0.4 kPa WIND LOAD q50 = 0.44 kPaSEISMIC DATA: Sa (0.2) = 0.310, Sa (0.5) = 0.160, Sa (1.0) = 0.063, Sa(2.0) = 0.022 PGA = 0.170

GROUND FLOOR LIVE LOAD = 4.8 kPaDEAD AND LIVE LOADS FROM EQUIPMENT AS SPECIFIED BY MANUFACTURER

DIVISION 2: SITEWORK, EXCAVATION, AND BACKFILLING

THE AREA BELOW NEW FOOTINGS SHALL BE EXCAVATED TO UNDISTURBED SOIL AT LEAST 1.2 M BELOW FINAL GRADE WHERE REQUIRED FOR FROST PROTECTION. INSULATION MAY BE USED FOR FROST PROTECTION.

ALL EXCAVATIONS INSIDE THE BUILDING OR UNDER CONCRETE SLABS SHALL BE BACKFILLED WITH GRANULAR "A" PLACED AND COMPACTED IN MAXIMUM 200 mm LIFTS TO ELEVATION ACHIEVING AT LEAST 98% STANDARD PROCTOR DENSITY OR WITH 20 mm CLEAR STONE LEVELLED AND HAND RAKED. TESTING TO BE DONE BY INDEPENDENT AGENCY IF REQUESTED BY THE OWNER.

FOOTINGS ARE DESIGNED TO BEAR ON SOIL HAVING A MINIMUM BEARING CAPACITY OF 120 kPa.

DIVISION 3: CAST-IN-PLACE AND PRECAST CONCRETE

ALL CONCRETE AND FORMWORK SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF CAN/CSA A-23.1 AND A23.3. PRECAST CONCRETE SHOP DRAWINGS SHALL BE SUBMITTED TO THE DESIGNER FOR APPROVAL PRIOR TO MANUFACTURING.

CONCRETE FOR FOUNDATIONS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20 MPa AT 28 DAYS.

CONCRETE FOR INTERIOR SLABS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 25 MPa AT 28 DAYS.

CONCRETE EXPOSED TO FREEZE-THAW ACTION SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 32 MPa AT 28 DAYS AND SHALL HAVE AIR ENTRAINMENT OF 4-6%.

SLUMP SHALL BE A MINIMUM OF 75 mm AND A MAXIMUM OF 100 mm UNLESS PLASTICIZERS ARE USED. TESTING TO BE DONE BY INDEPENDENT AGENCY IF REQUESTED BY THE OWNER.

REINFORCING STEEL SHALL HAVE A MINIMUM STRENGTH OF 400 MPa UNLESS OTHERWISE NOTED AND SHALL BE PROPERLY SUPPORTED IN FORMS OR ON CHAIRS.

MINIMUM COVER ON REINFORCING STEEL TO BE 65 mm IN FOOTINGS AND SLABS ON GRADE AND 40 mm IN WALLS AND PIERS.

DIVISION 6: WOOD

WOOD FRAMING DESIGN AND FABRICATION SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF CSA-086.

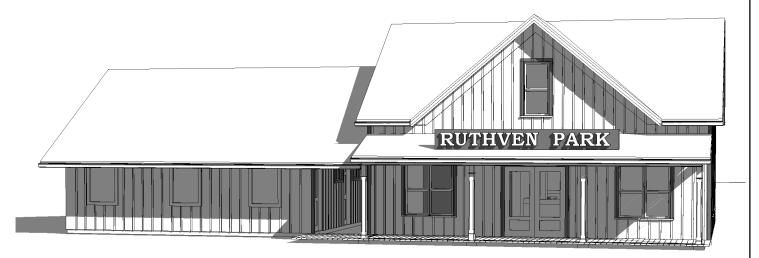
PLYWOOD, OSB, AND ENGINEERED WOOD PRODUCTS SHALL BE CERTIFIED IN ACCORDANCE WITH CSA O121, O122. 0151.0325. OR 0437 AS APPLICABLE.

PRE-ENGINEERED WOOD TRUSSES TO BE DESIGNED AND FABRICATED TO TPIC STANDARDS AND MANUFACTURER TO BE A MEMBER IN GOOD STANDING.

TRUSS AND ENGINEERED WOOD PRODUCT SHOP DRAWINGS TO BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION OR INSTALLATION.

PROPOSED NEW ADMINISTRATION CENTRE RUTHVEN PARK - NATIONAL HISTORICAL SITE

243 Haldimand Hwy#54 Cayuga, ON







SHOALTS project

P.O.BOX 218 FENWICK, ON LOS 1CO

905-892-2110

NEW ADMIN CENTRE RUTHVEN PARK

drawing **COVER SHEET**

drawn by checked by D M. SHOALTS GREENWOOD

date

JULY 14, 2017

scale I" = 40'-0"

A0

ltem	Ontario Building Code Data Matrix Parts 3 & 9						9	Ontario Building Code Reference				
1	Project Description ☐ New ☐ Part 11						1	☐ Part 3	3	■ Part 9		
					Additio	n	11.1 to 1	1.4	2.1.	1	2.1.1	
		☐ Cha	inge of	Use	☐ Alterati	ion					9.10.1.3	
2	Major Occupancy(s) D						3.1.2	2.1.(1)	9.10.2			
3	Building Area (m²) Existing: 73 New: 95 Total: 168 1.1.3.2				3.2	1.1.3.2						
4	Gross Area (m²) Existing: 73 New: 95			Total:	168	1.1.3	3.2	1.1.3.2				
5	Number of S	Storeys	-	Above	Grade:	1 Belo	w Grade	: 0	3.2.1	1.1 & 1.1.3.2	2.1.1.3	
7	Number of S	Streets / F	Fire Fig	hter A	ccess	2			3.2.2	2.10 & 3.2.5	9.10.19	
8	Building Cla	ssificatio	n						3.2.2	2.20-83	9.10.4	
9	Sprinkler System Proposed								3.2.2	2.20-83	9.10.8	
	□ Basement Only								3.2.	1.5		
	☐ In Lieu of Roof Rating								3.2.2	2.17		
	■ Not Required											
10	Standpipe F	Required			Y	'es	■ No		3.2.9	9	N/A	
11	Fire Alarm F	Required			Y	'es	■ No		3.2.4		9.10.7.2	
12	Water Servi	ce/Supply	y is Ad	equate	e ■ Y	'es	□No		3.2.5.7		N/A	
13	High Buildir	ng				Yes	■ No		3.2.6		N/A	
14	Permitted Construction ■ Combustible □ Non-Combustible □ Both							□Both	3.2.2.20-83		9.10.6	
	Actual Construction ■ Combustible □ Non-Combustible □ Both							□Both				
15	Mezzanine(s) Area (m²) 6						3.2.1.1.(3)-(8)		9.10.4.1			
16	Occupant Load Based on ■ m²/person □ Design of Building							uilding	3.1.16		9.9.1.3	
	1st Floor Occupancy - Load - persons						persons					
	1st Floor Occupancy D Load 12 persons						persons					
	2nd Floor Occupancy - Load - persons						persons					
	2nd Floor		(Оссир	ancy -	Load	-	persons				
17	Barrier-Free	Design		■ Ye	es	□ No (Exp	olain)		3.8		9.5.2	
18	Hazardous	Substanc	es	□ Ye	es	■ No			3.3.1.2	& 3.3.1.19	9.10.1.3 (4	
19	Required	Н	Horizontal Assemblies Listed Design No. 3.2.2.20-83 & 3.2.1.4 FRR (Hours) or Description (SB-2)				Design No.		3.2.2.20-83 & 3.2.1.4		9.10.8	
	Fire						9.10.9					
	Resistance	rs	N/R	Hours								
	Rating	f	N/R									
	(FRR)	Mez	zanine	N/R	Hours							
			FRR of Supporting			Listed Design No.		No.				
	Members or Descript				cription (S	SB-2)						
	Floors			N/R	I/R Hours							
		Roo		N/R								
		Mez	zanine	N/R	Hours							
20	Spatial Sepa	aration - (Constru	uction	of Exterior	Walls			3.2.3	3	9.10.14	
	Wall	Area of	L.D.	L/H	Permitted	Proposed	FRR	Listed	Comb.	Comb. Const.	Non-Comb.	
		EBF	(m)	or	Max. % of	Max. % o	f (Hours)	Design or	Const.	Nonc.	Const.	
		(m²)		H/L		Openings	3	Description	ı	Cladding		
	North	28	>30	3	100	10						
	South	-										
	South East	- 35 28	>30	3	100	28						

WINDOW SCHEDULE							
Window							
Туре	Window Description	Width	Height	Count			
WI	5' 0" x 5' 4" - DOUBLE - DOUBLE HUNG WINDOW	5' - 0"	5' - 4"	4			
W2	2' 6" x 5' 4" - DOUBLE HUNG WINDOW	2' - 6"	5' - 4"	2			
W3	2' 6" x 5' 4" - FIXED DUMMY WINDOW	2' - 6"	5' - 4"	1			
W4	2' 0" x 3' 0" - FIXED INTERIOR WINDOW	2' - 0"	3' - 0"	1			

	DOOR SCHEDULE									
Mark	Function	Door Description	Swing	Door Width	Door Height	count	Hardware notes			
1	EXTERIOR	DOUBLE GLASS - EXTERIOR SWING DOOR	LH & RH	6' - 0"	7' - 0"	1				
2	EXTERIOR	DOUBLE GLASS - EXTERIOR - I OPERATOR	LH	3' - 0"	7' - 0"	1				
3	INTERIOR	INTERIOR WOOD DOOR	LH	3' - 0"	7' - 0"	3				
4	INTERIOR	INTERIOR WOOD DOOR	RH	3' - 0"	7' - 0"	2				
5	INTERIOR	INTERIOR WOOD POCKET DOOR		2' - 8"	6' - 10"	2				

WINDOWS TO BE VINYLWITH WOOD INTERIOR JAMB EXTENSIONS IN STANDARD SIZES MEETING THE SCHEDULE AS CLOSELY AS POSSIBLE. STYLE AND CONFIGURATION TO BE AS SHOWN ON THE ELEVATIONS.

EXTERIOR DOORS TO BE FIBREGLASS DOORS IN CLAD WOOD FRAMES. ENTRANCE DOOR TO HAVE BARRIER-FREE OPERATOR MEETING O.B.C. 3.8. EXTERIOR DOORS HAVE DEADLOCKS KEYED ALIKE. FRONT ENTRANCE TO HAVE DEADLOCK, EXTERIOR PULL, AND INTERIOR PUSH ON ACTIVE LEAF, FLUSH BOLTS ON INACTIVE LEAF. REAR DOOR TO HAVE DEADLOCK AND PASSAGE SET. ALL LOCKS KEYED TO MASTER.

DOOR AND WINDOW PERFORMANCE TO MEET O.B.C. 9.7.4.

INTERIOR DOORS TO BE I 3/8" HARDBOARD PANEL DOORS IN STANDARD CONFIGURATION TO OWNERS CHOICE WITH 2 3/4" WIDE PAINT GRADE TRIM AND 4 1/4" PAINT GRADE BASEBOARD. INDIVIDUAL OFFICE DOORS TO HAVE KEY-IN-KNOB LOCKSETS KEYED DIFFERENTLY AND MASTER-KEYED. WASHROOM TO HAVE PRIVACY SET.



SHOALTS project

P.O.BOX 218 FENWICK, ON LOS 1CO 905-892-2110 NEW ADMIN CENTRE RUTHVEN PARK

scale

MATRIX & SCHEDULES

12" = 1'-0"

drawn by GREENWOOD

checked by M. SHOALTS

date JULY 14, 2017

A1

