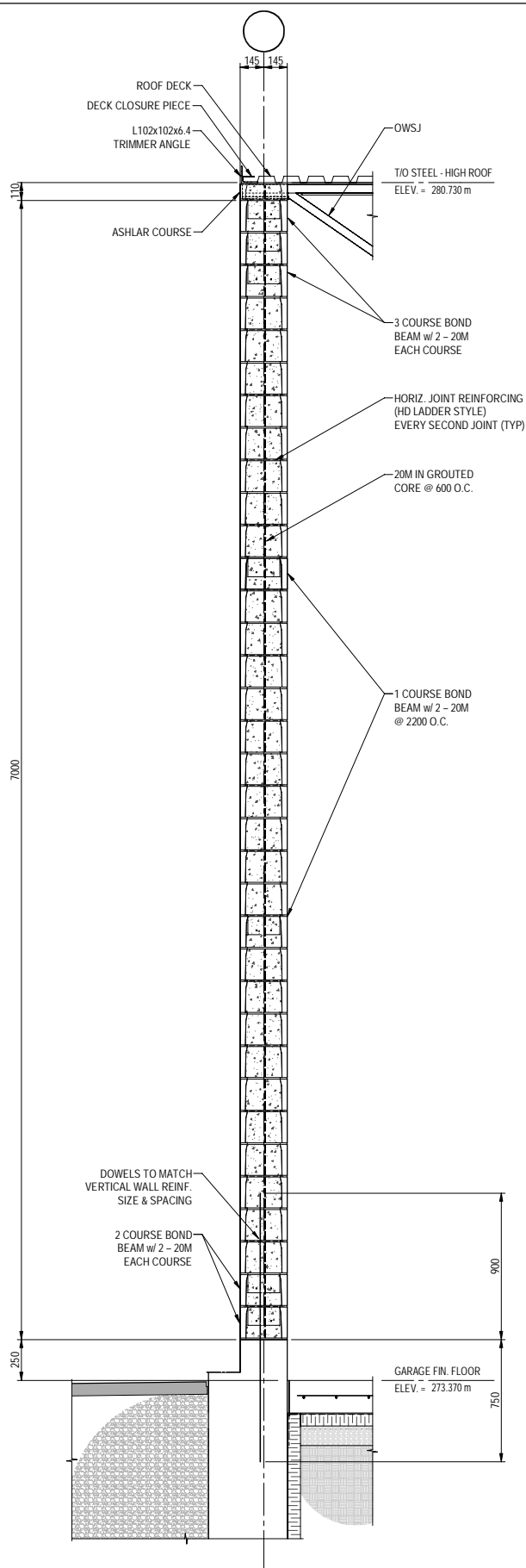
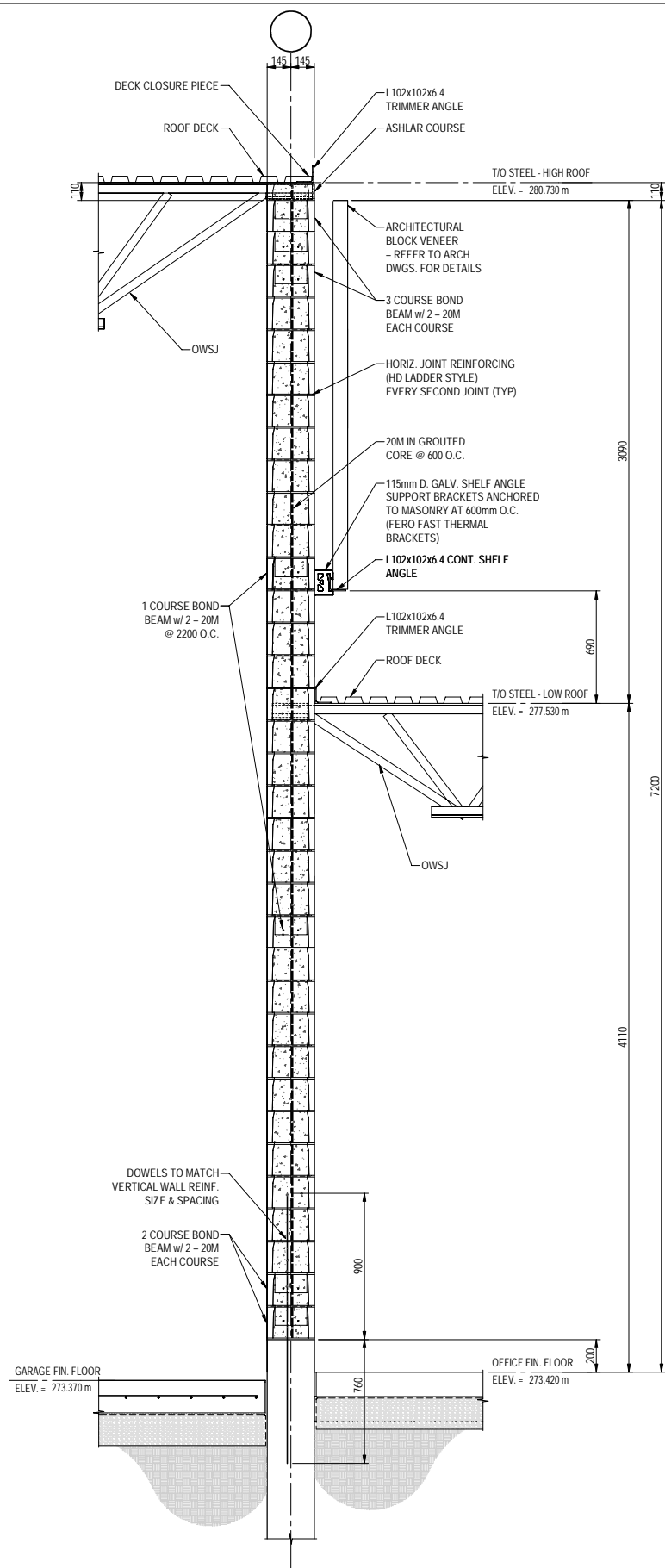


CONTRACT DRAWINGS
CONTRACT NO. 2023-4010
ADDENDUM NO. 4

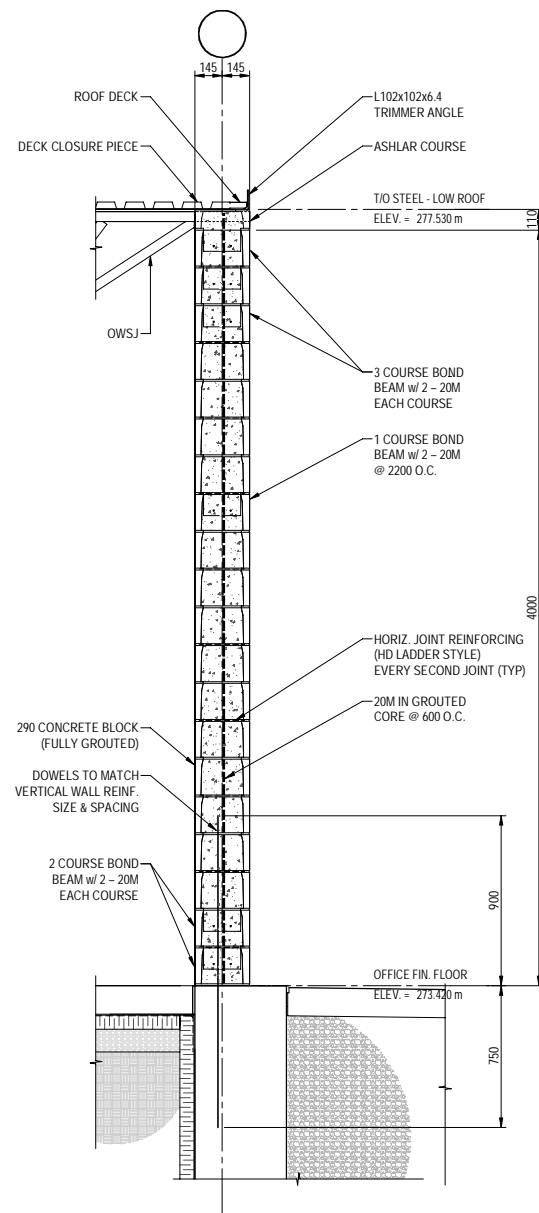
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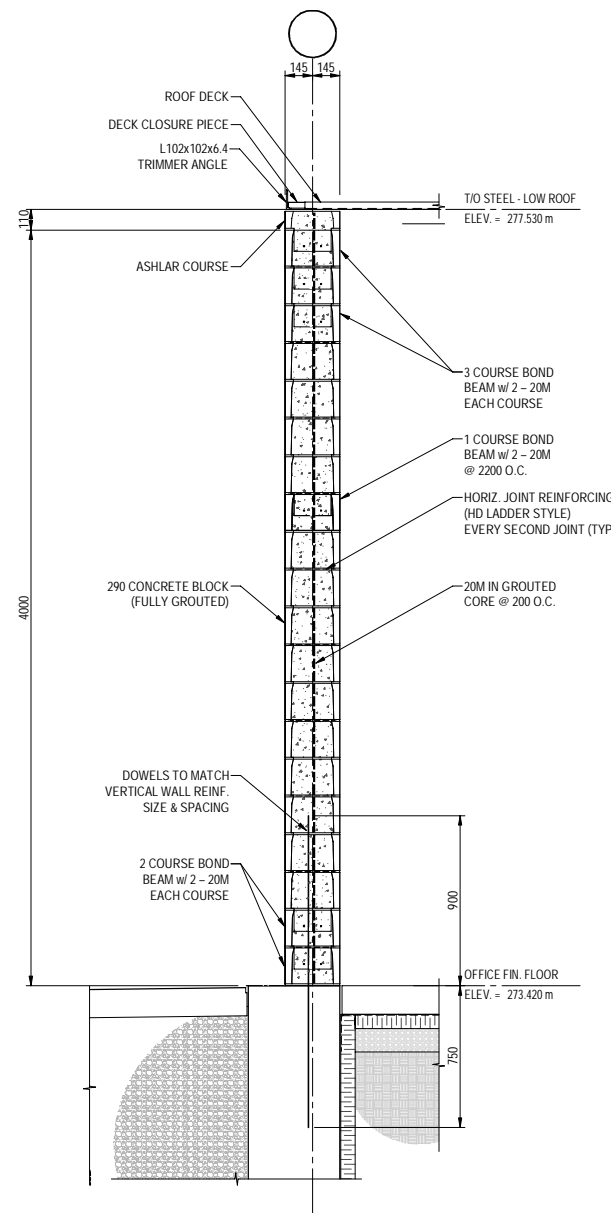
12 WALL SECTION
36 SCALE: 1 : 20



13 WALL SECTION
33 SCALE: 1 : 20



14 WALL SECTION
36 SCALE: 1 : 20



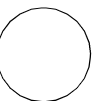
15 WALL SECTION
36 SCALE: 1 : 20

DRAWING NOT TO BE SCALED
100 mm ON ORIGINAL DRAWING

CONT No 2023-4010
GWP No 4044-22-00

STRUCTURAL

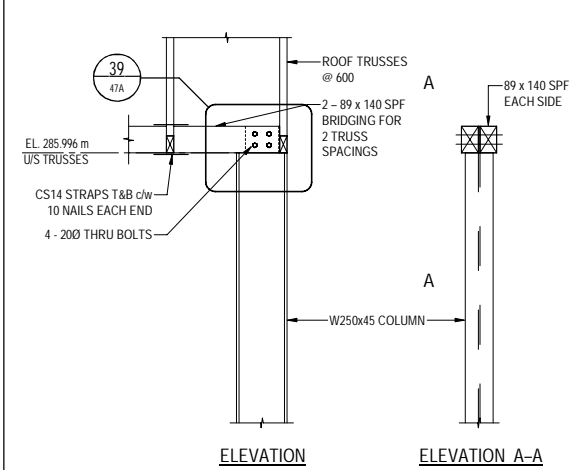
FENELON FALLS MPY
VEHICLE MAINTENANCE BUILDING - WALL
SECTIONS AND DETAILS



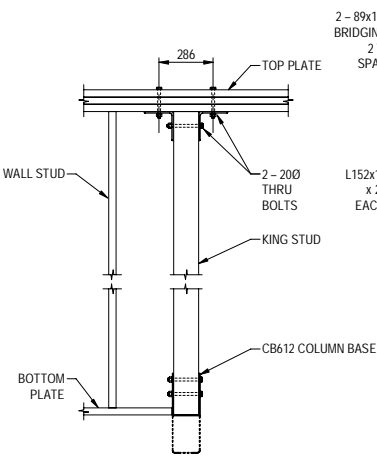
SHEET
38A

REVISIONS	REV	DATE	BY	DESCRIPTION
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	24.10.21	BWD		ISSUED FOR TENDER

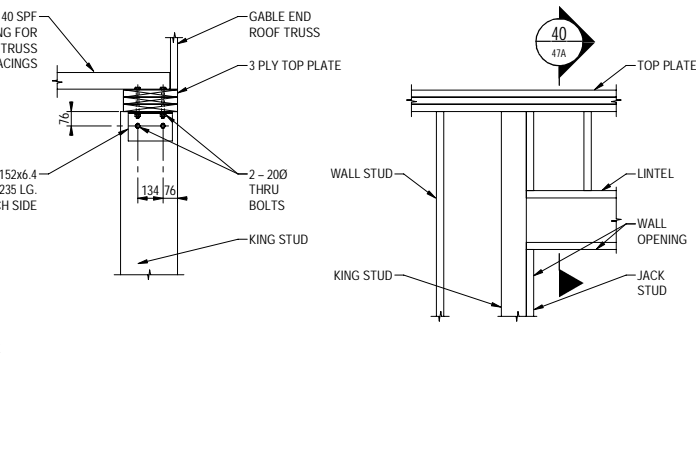
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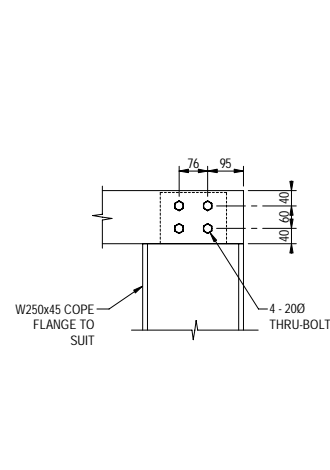
WIND COLUMN CONNECTION DETAIL
SCALE: 1 : 20



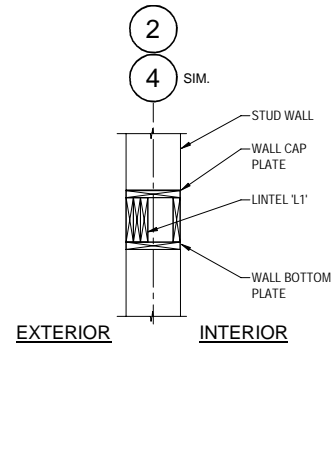
LINTEL 'L1' BASE AND CAP DETAIL
SCALE: 1 : 20



WALL OPENING ELEVATION
SCALE: 1 : 20



39 BOLT SPACING DETAIL
47A SCALE: 1 : 10



40 LINTEL DETAIL
47A SCALE: 1 : 20

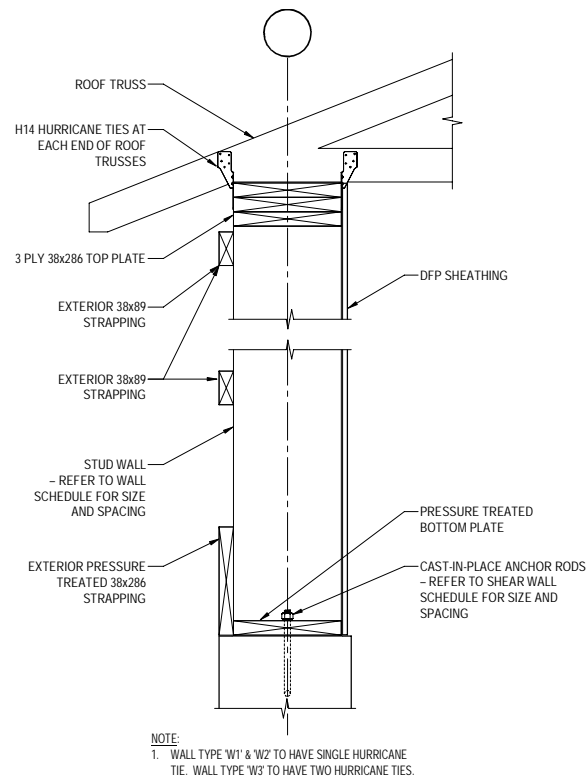
CONT No 2023-4010
GWP No 4044-22-00

STRUCTURAL

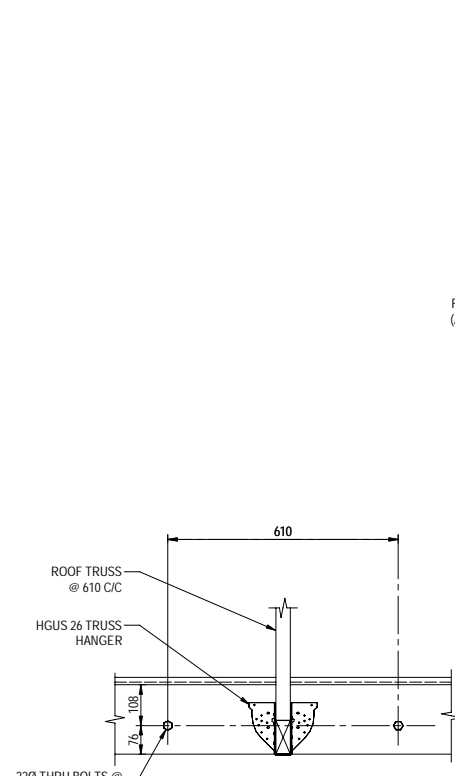
FENELON FALLS MPY
MATERIAL STORAGE BUILDING - TRUSS &
WALL FRAMING DETAILS



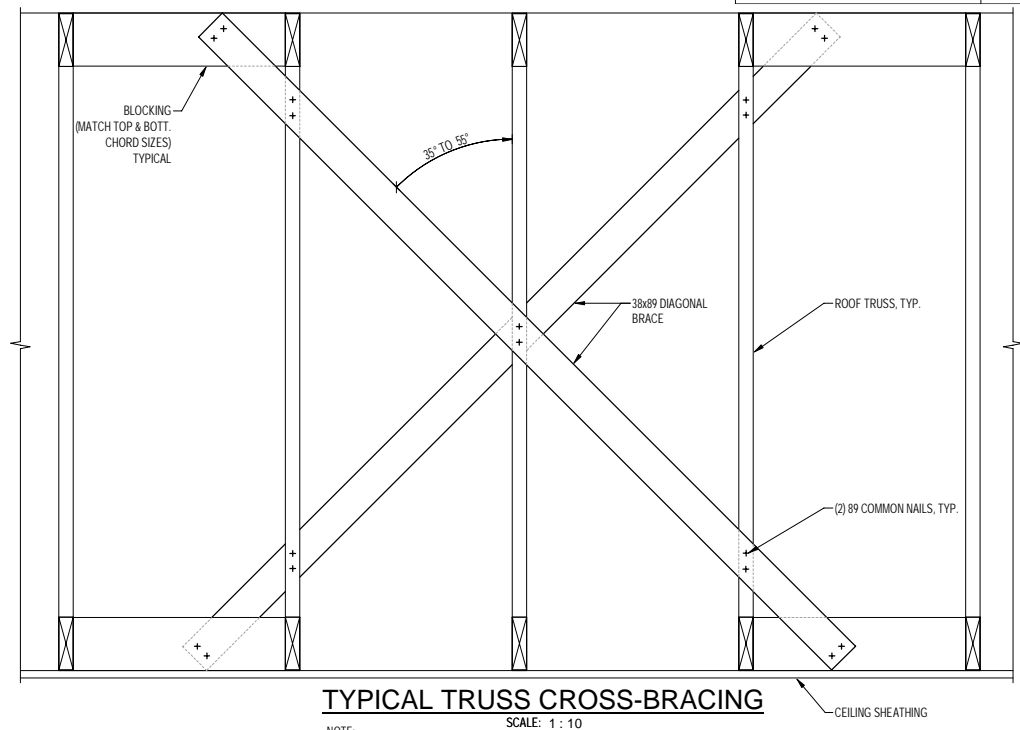
SHEET
47A



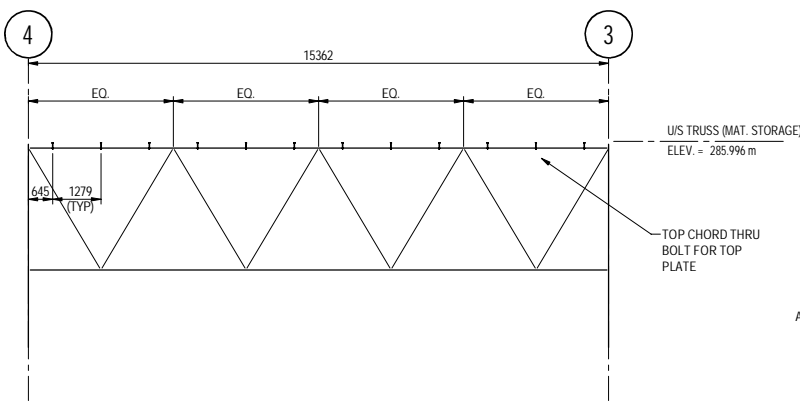
TYPICAL EXTERIOR WALL DETAILS
SCALE: 1 : 10



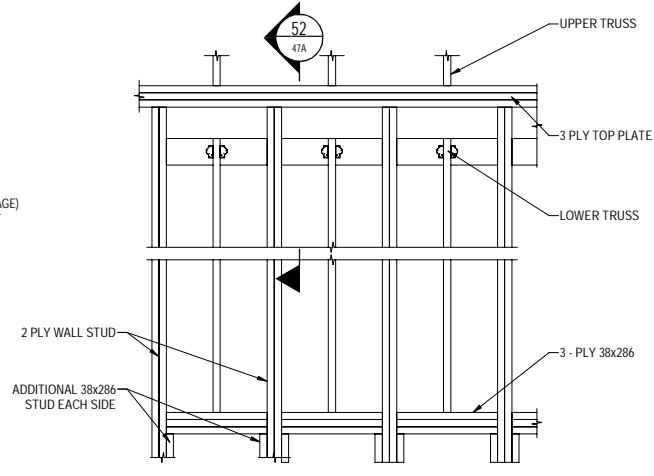
ROOF TRUSS TO STEEL GIRDER CONNECTIONS
SCALE: 1 : 10



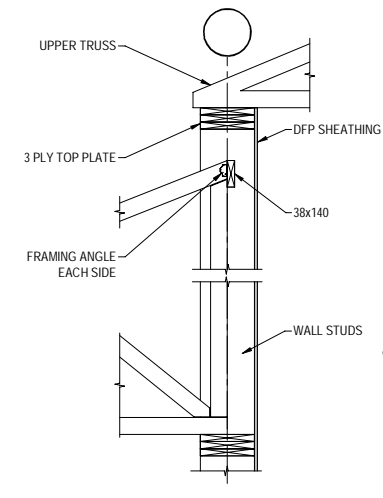
TYPICAL TRUSS CROSS-BRACING
SCALE: 1 : 10



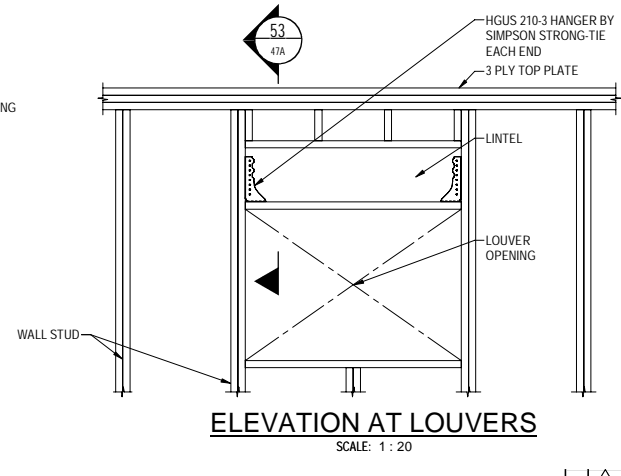
TOP CHORD THRU BOLT LOCATION
SCALE: 1 : 100



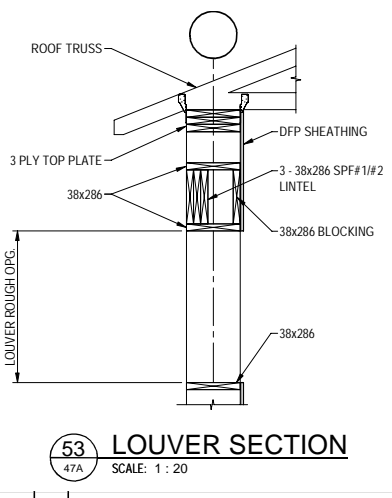
MONOSLOPE TRUSS ELEVATION
SCALE: 1 : 20



52 SECTION
47A SCALE: 1 : 20



ELEVATION AT LOUVERS
SCALE: 1 : 20

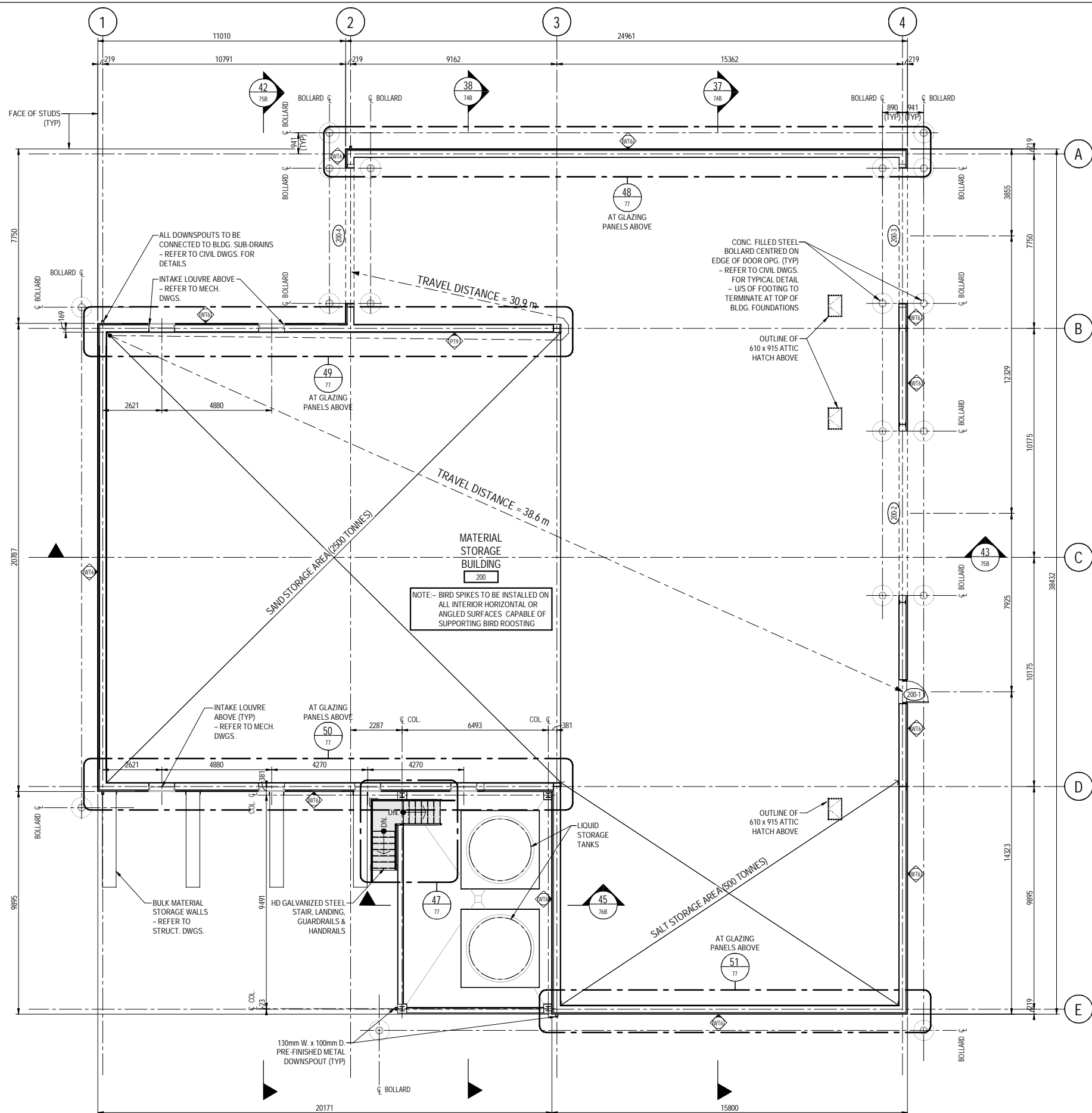


53 LOUVER SECTION
47A SCALE: 1 : 20

DRAWING NOT TO BE SCALED
100 mm ON ORIGINAL DRAWING

REVISIONS	DATE	BY	DESCRIPTION
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24.10.21	BWD	ISSUED FOR TENDER	

DATE PLOTTED: 1/19/2025, 1:05:29 PM
FILE LOCATION: DIMENSIONS.dwg
D:\Projects\2025\01-ARCH\24-COM_23.dwg



FLOOR PLAN
SCALE: NOT TO SCALE

DRAWING NOT TO BE SCALED
100 mm ON ORIGINAL DRAWING

CONT No 2023-4010
GWP No 4044-22-00

ARCHITECTURAL

FENELON FALLS MPY
MATERIAL STORAGE BUILDING - GROUND
FLOOR PLAN

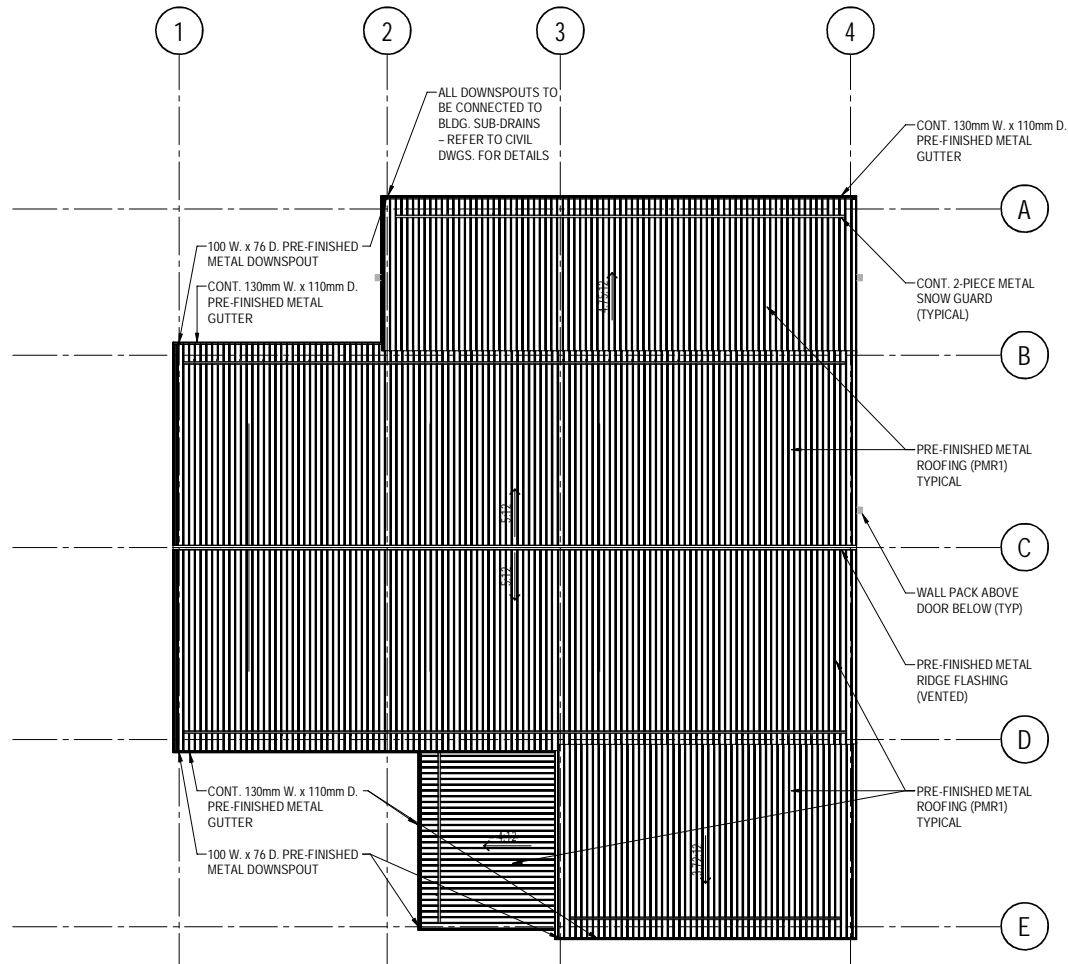
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Building Design Ltd.
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130 Dufferin Avenue, London, Ontario, N6A 5R2
Phone: (519) 438-6192, Fax: (519) 672-8209
E-mail: london@dillon.ca

**ONTARIO ASSOCIATION
OF
ARCHITECTS**
NAGI DELAVIZ
LICENCE
8851

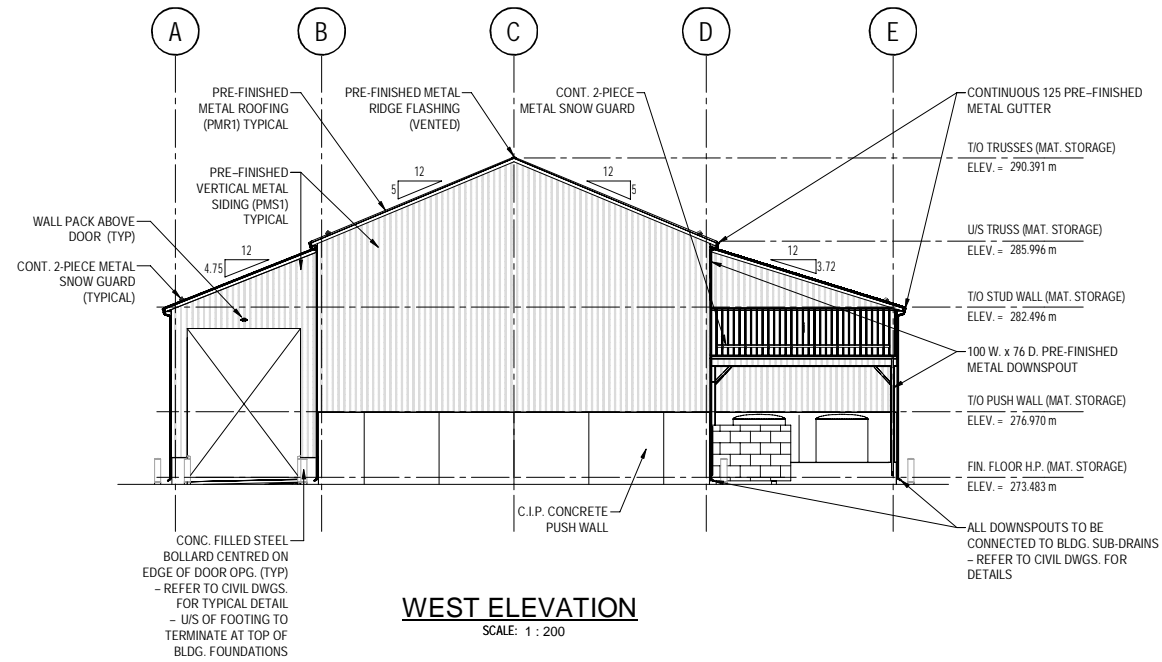
ONTARIO BUILDING CODE DATA MATRIX										
PART 3 - FIRE PROTECTION, OCCUPANT SAFETY AND ACCESSIBILITY										
Name of Practice		Dillon Building Design Ltd., Engineers and Architects, Certificate of Practice Number 2145								
Address 1		130 Dufferin Avenue, Suite 1400								
Address 2		London, Ontario N6A 5R2 Tel: 519-438-1288 Fax: 519-672-8209								
Contact		Fenelon Falls Maintenance Patrol Yard (MPY) Ministry of Transportation, ON								
Location/Address		South East Quadrant of Glenora Road and Country Lane								
Date		Seal & Signature								
3.00 BUILDING CODE VERSION	O.Reg. 330/12	LAST AMENDMENT				O.Reg. 89/23				
3.01 PROJECT TYPE	New Construction				(A) 1.1.1.					
3.02 MAJOR OCCUPANCY CLASSIFICATION	OCCUPANCY				USE					
	F3 Low Hazard Industrial				Material Storage Building					
3.03 SUPERIMPOSED MAJOR OCCUPANCIES	NO				3.2.2.7					
3.04 BUILDING AREA (m²)	DESCRIPTION		EXISTING		NEW		TOTAL		(A) 1.4.1.2	
	New Building		N/A		1,097.00		1,097.0			
	TOTAL				1,097.0		1,097.0			
3.05 GROSS AREA (m²)	DESCRIPTION		EXISTING		NEW		TOTAL		(A) 1.4.1.2	
	New Building		N/A		1,097.00		1,097.0			
	TOTAL				1,097.0		1,097.0			
3.06 MEZZANINE AREA (m²)	DESCRIPTION		EXISTING		NEW		TOTAL		3.2.1.1	
	No								-	
	TOTAL								-	
3.07 BUILDING HEIGHT	1	STOREYS ABOVE GRADE				12.50		(m) ABOVE GRADE		(A) 1.4.1.2 & 3.2.1.1
	9									3.2.1.1
3.08 HIGH BUILDING	No				3.2.6					
3.09 NUMBER OF STREETS/STREETWAYS ACCESS	1 STREET(S)				3.2.2.10 & 3.2.5					
3.10 BUILDING CLASSIFICATION	3.2.2.80 Group F, Division 3, 1 Storey				3.2.2.20-83					
3.11 SPRINKLER SYSTEM	Not Required				3.2.1.5 & 3.2.2.17					
3.12 STANDPIPE SYSTEM	Not Required				3.2.9					
3.13 FIRE ALARM SYSTEM	Not Required				3.2.4					
3.14 WATER SERVICE/SUPPLY IS ADEQUATE	Yes				3.2.2.20-83					
3.15 CONSTRUCTION TYPE	RESTRICTION: Combustible Permitted				3.2.2.20-83					
	ACTUAL				Combustion		N/A			3.1.4.7
3.16 IMPORTANCE CATEGORY	Normal				HEAVY TIMBER CONSTRUCTION		N/A			4.1.2.1 (B), 14.1.2.1 (B)
3.17 SEISMIC HAZARD INDEX (I _s , I _s (I))	0.00 Seismic Design Not Required for Table 4.1.1.10, Items 6 to 21				4.1.8.10 (1)					
3.18 OCCUPANT LOAD	FLOOR LEVEL/AREA		OCCUPANCY TYPE		BASED ON		OCCUPANT LOAD (PERSONS)			3.1.17
	Ground Floor				Design of space		5			
	TOTAL						5			
3.19 BARRIER/FREE DESIGN	No				Building is not intended to be occupied on a daily or full time basis				3.8	
3.20 HAZARDOUS SUBSTANCES	No								3.3.1.2 & 3.3.1.10	
3.21 REQUIRED FIRE RESISTANCE RATINGS	HORIZONTAL ASSEMBLY		RATING (H)		SUPPORTING ASSEMBLY (H)		NONCOMBUSTIBLE IN LIEU OF RATING			3.2.2.20-83, 3.2.1.4
	FLOORS OVER BSMT		N/A		N/A		-			
	FLOORS		N/A		N/A		-			
	MEZZANINE		N/A		N/A		-			
	ROOF		N/A		N/A		-			
SPATIAL SEPARATION - Material Storage Building	WALL	SBF AREA L.D. (m)	LN OR HL	REQUIRED FRR (H)	PERMITTED CONSTRUCTION TYPE	PROPOSED CONSTRUCTION TYPE	REQUIRED CLADDING TYPE	PROPOSED CLADDING TYPE	3.2.3	
	North Wall	228.7	43.00	2.88.1	N/A Unlimited	8.7% Combustible Permitted	Combustion	Combustible Permitted	Noncombustible	
	South Wall	146.6	95.91	1.85.1	N/A Unlimited	8.9% Combustible Permitted	Combustion	Combustible Permitted	Noncombustible	
	East Wall	424.5	34.50	2.90.1	N/A Unlimited	32.5% Combustible Permitted	Combustion	Combustible Permitted	Noncombustible	
	West Wall	262.8	121.65	1.86.1	N/A Unlimited	0.0% Combustible Permitted	Combustion	Combustible Permitted	Noncombustible	
3.24 ENERGY EFFICIENCY	NONRESIDENTIAL COMPLIANCE OPTION: SB-10 Performance (Div-5)									12.2.1.2
PROJECT DESIGN CONDITIONS										
CLIMATIC ZONE Zone 1 (< 5000 Degree Days)										
BUILDING ENVELOPE REQUIREMENTS					ASSEMBLY			INSULATION		
WALLS ABOVE GRADE					N/A			N/A		
ROOF (without attic space)					N/A			N/A		
ROOF (with attic space)					N/A			N/A		
SLAB-ON-GRADE FLOOR (heated)					N/A			N/A		
SLAB-ON-GRADE FLOOR (unheated)					N/A			N/A		
SPACE HEATING FUEL					-			-		
HEATING EQUIPMENT EFFICIENCY					-			-		
OTHER CONDITIONS										
3.25 NOTES										
Exempt from SB-10 Energy Efficiency Requirements under item 1.2.1.1.(1)(c)										
Travel distance to at least one exit shall be not more than 30m as per CBC reference 3.4.2.5.(f)										
Maximum flame spread rating of 150 for all interior wall/ceilings.										
1. ALL REFERENCES ARE TO DIVISION B OF THE CBC UNLESS PRECEDED BY (A) FOR DIVISION A AND (C) FOR DIVISION C										

REVISIONS	DATE	BY	DESCRIPTION
25.01.10	BWD	ISSUED FOR ADDENDUM 4	
24.12.11	BWD	ISSUED FOR ADDENDUM 2	
24.10.21	BWD	ISSUED FOR TENDER	

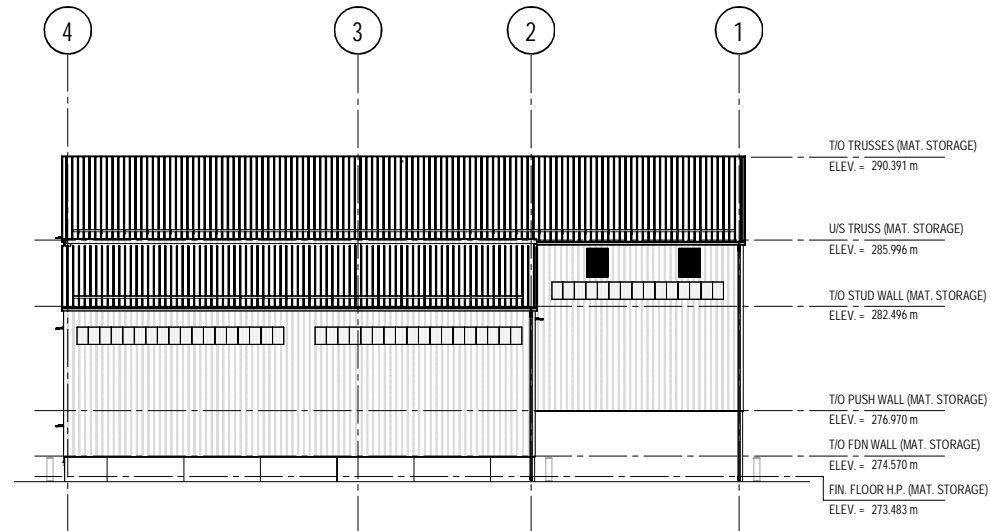
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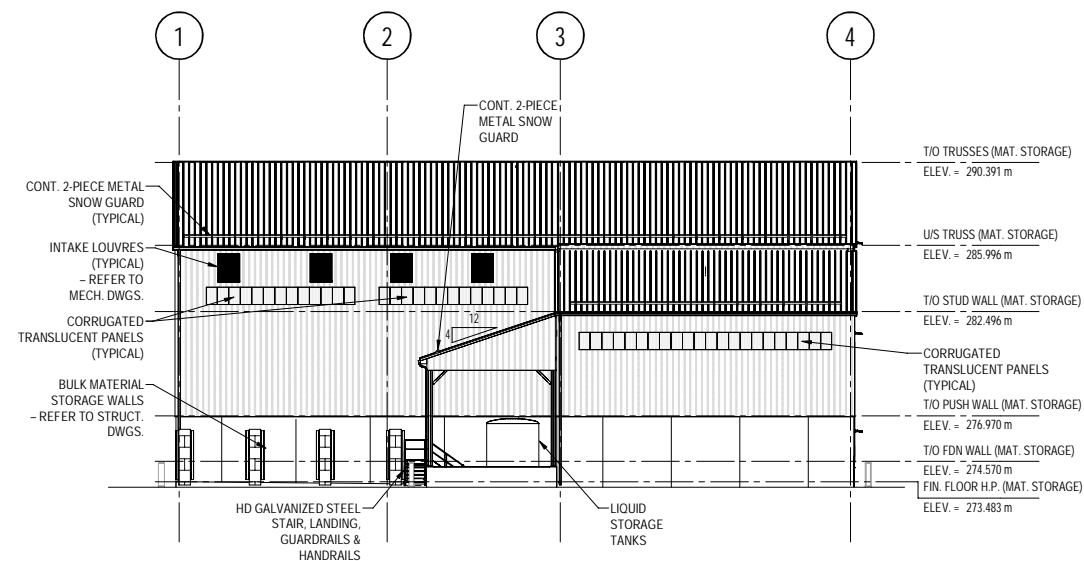
ROOF PLAN
SCALE: 1 : 200



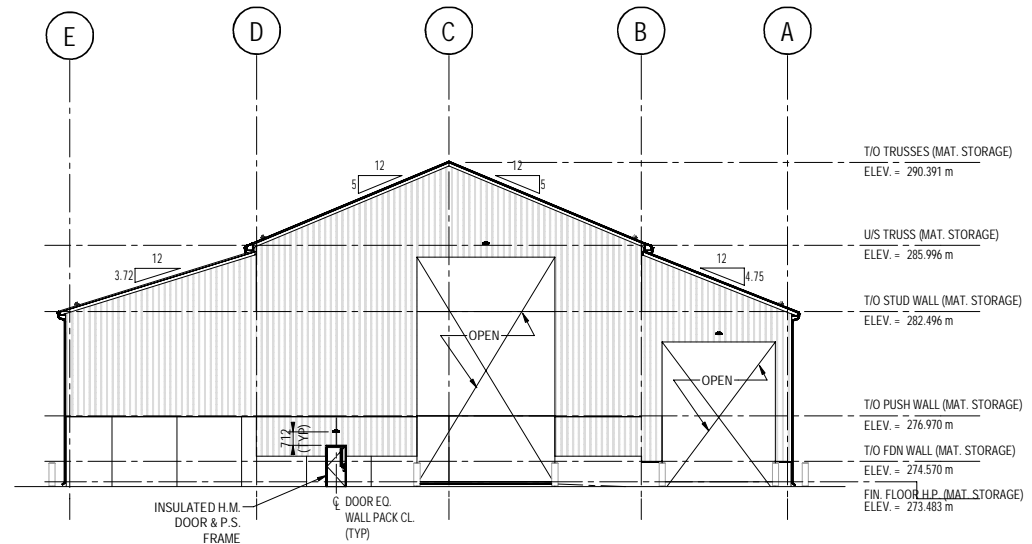
WEST ELEVATION
SCALE: 1 : 200



NORTH ELEVATION
SCALE: 1 : 200



SOUTH ELEVATION
SCALE: 1 : 200



EAST ELEVATION
SCALE: 1 : 200

DRAWING NOT TO BE SCALED
100 mm ON ORIGINAL DRAWING

CONT No 2023-4010
GWP No 4044-22-00

ARCHITECTURAL

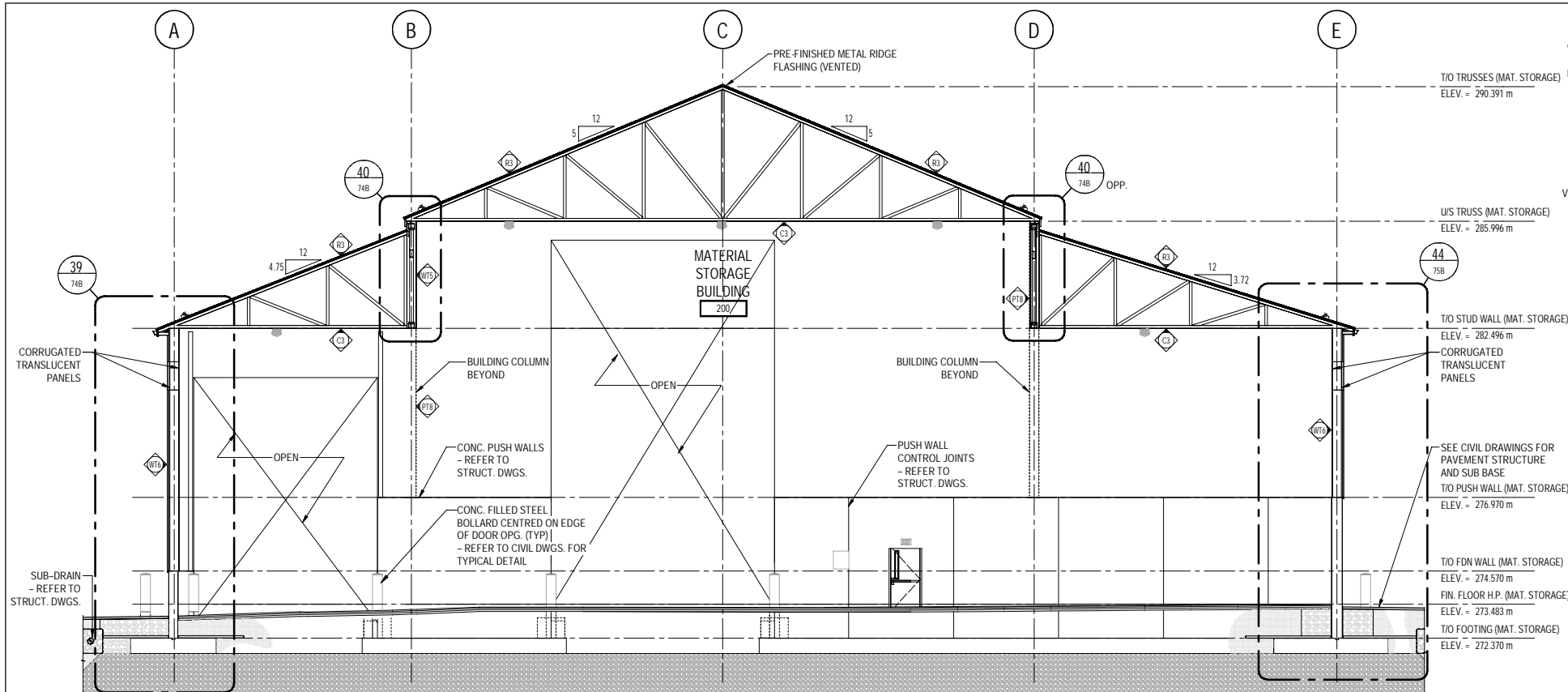
FENELON FALLS MPY
MATERIAL STORAGE BUILDING - ROOF
PLAN AND EXTERIOR ELEVATIONS

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Engineers and Architects
130 Dufferin Avenue, London, Ontario, N6A 5R2
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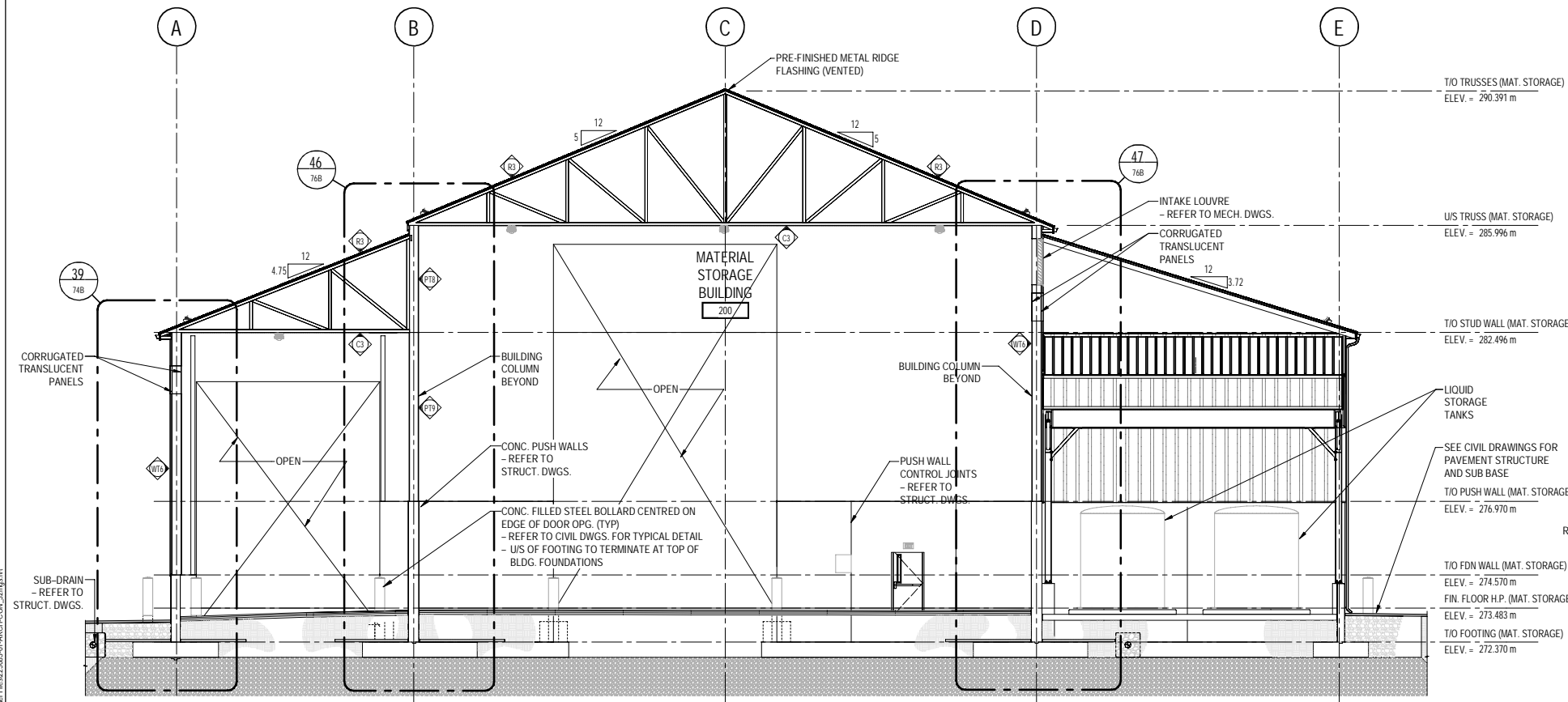


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2	24.12.11	BWD	ISSUED FOR ADDENDUM 2
3	24.10.21	BWD	ISSUED FOR TENDER

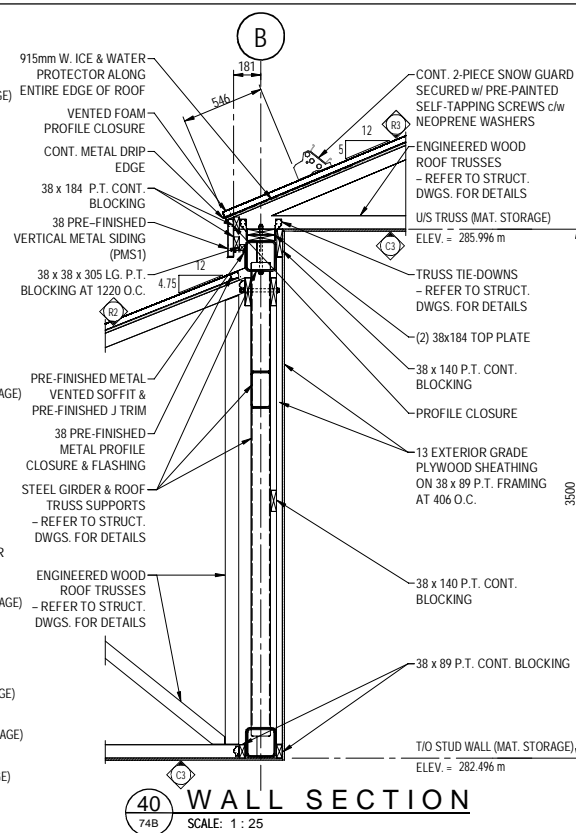
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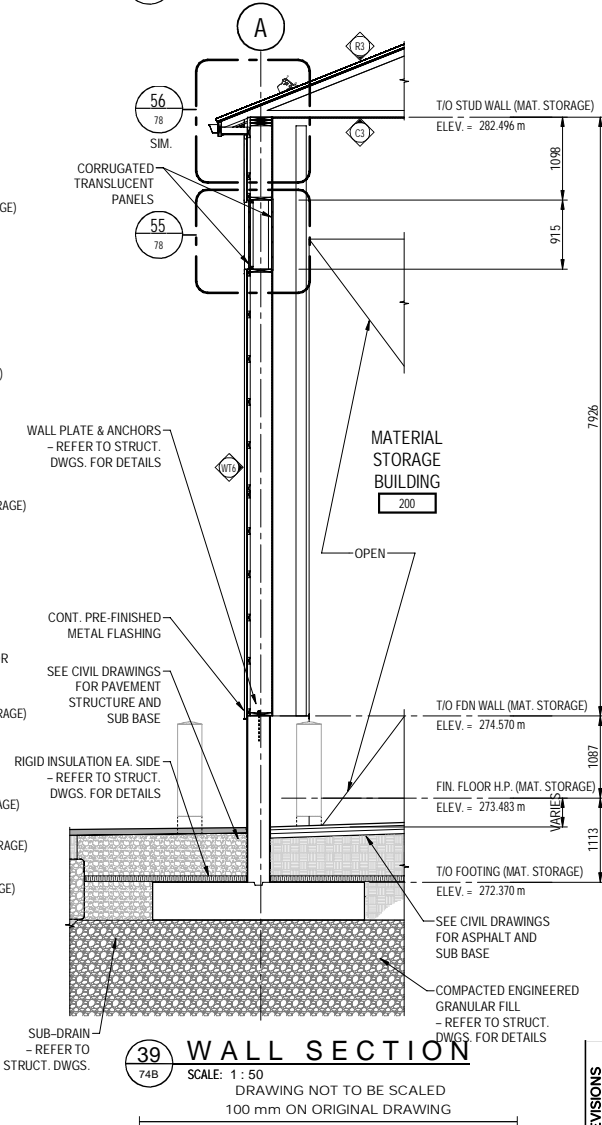
37 CROSS - SECTION
SCALE: 1 : 100



38 CROSS - SECTION
SCALE: 1 : 100



40 WALL SECTION
SCALE: 1 : 25



39 WALL SECTION
SCALE: 1 : 50
DRAWING NOT TO BE SCALED
100 mm ON ORIGINAL DRAWING

CONT No 2023-4010
GWP No 4044-22-00

ARCHITECTURAL

FENELON FALLS MPY
MATERIAL STORAGE BUILDING -
CROSS-SECTIONS AND WALL SECTIONS

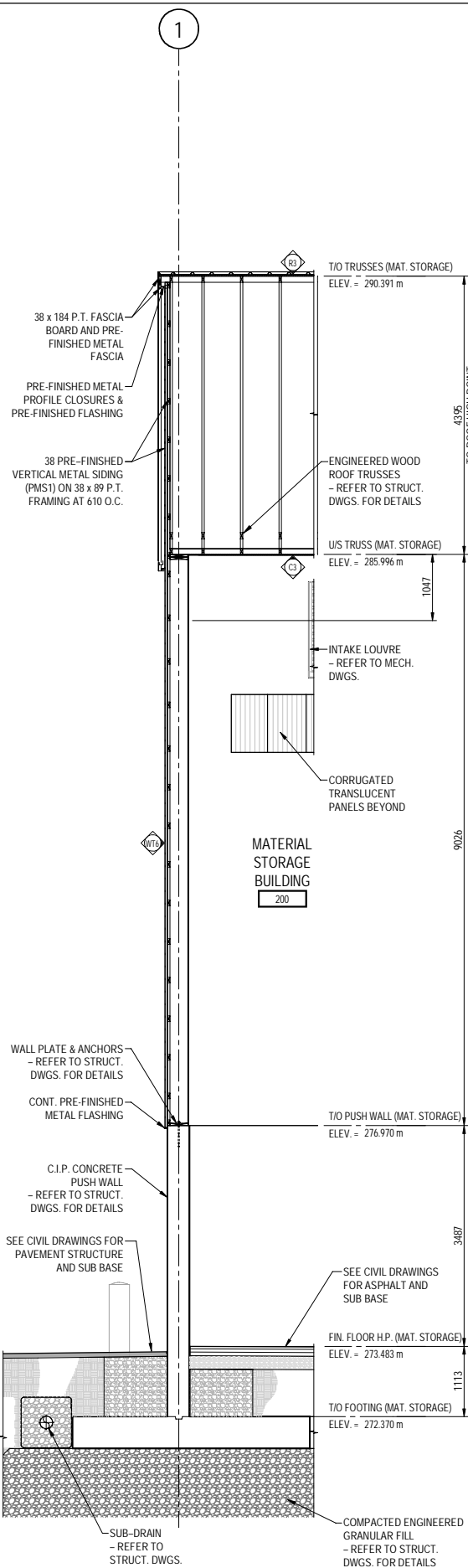
DILLON
Building Design Ltd.
Engineers and Architects
130 Dufferin Avenue, London, Ontario, N6A 5R2
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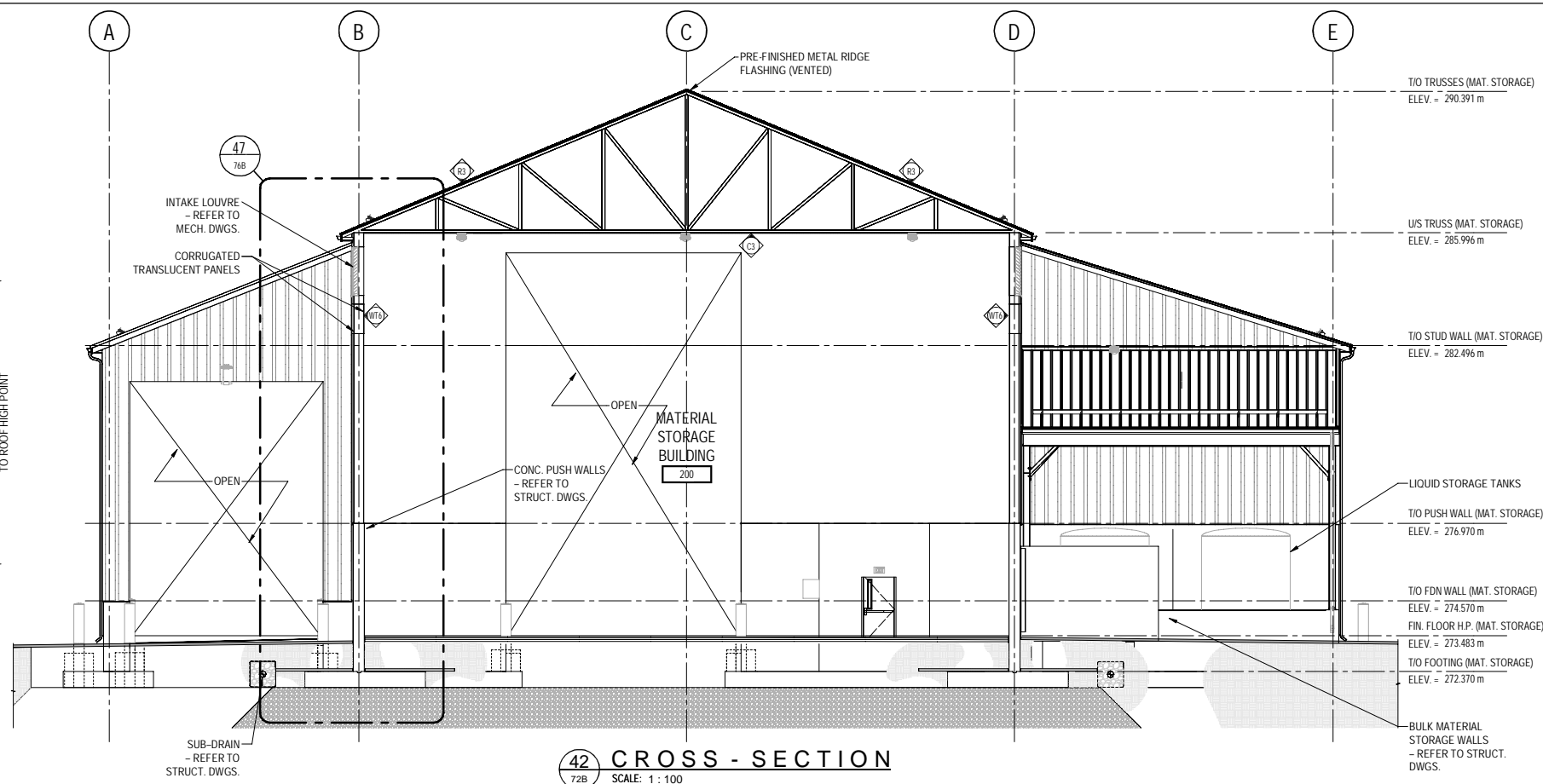
SHEET
74B

REVISIONS	REV	DATE	BY	DESCRIPTION
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	2	24.12.11	BWD	ISSUED FOR ADDENDUM 2
	3	24.10.21	BWD	ISSUED FOR TENDER

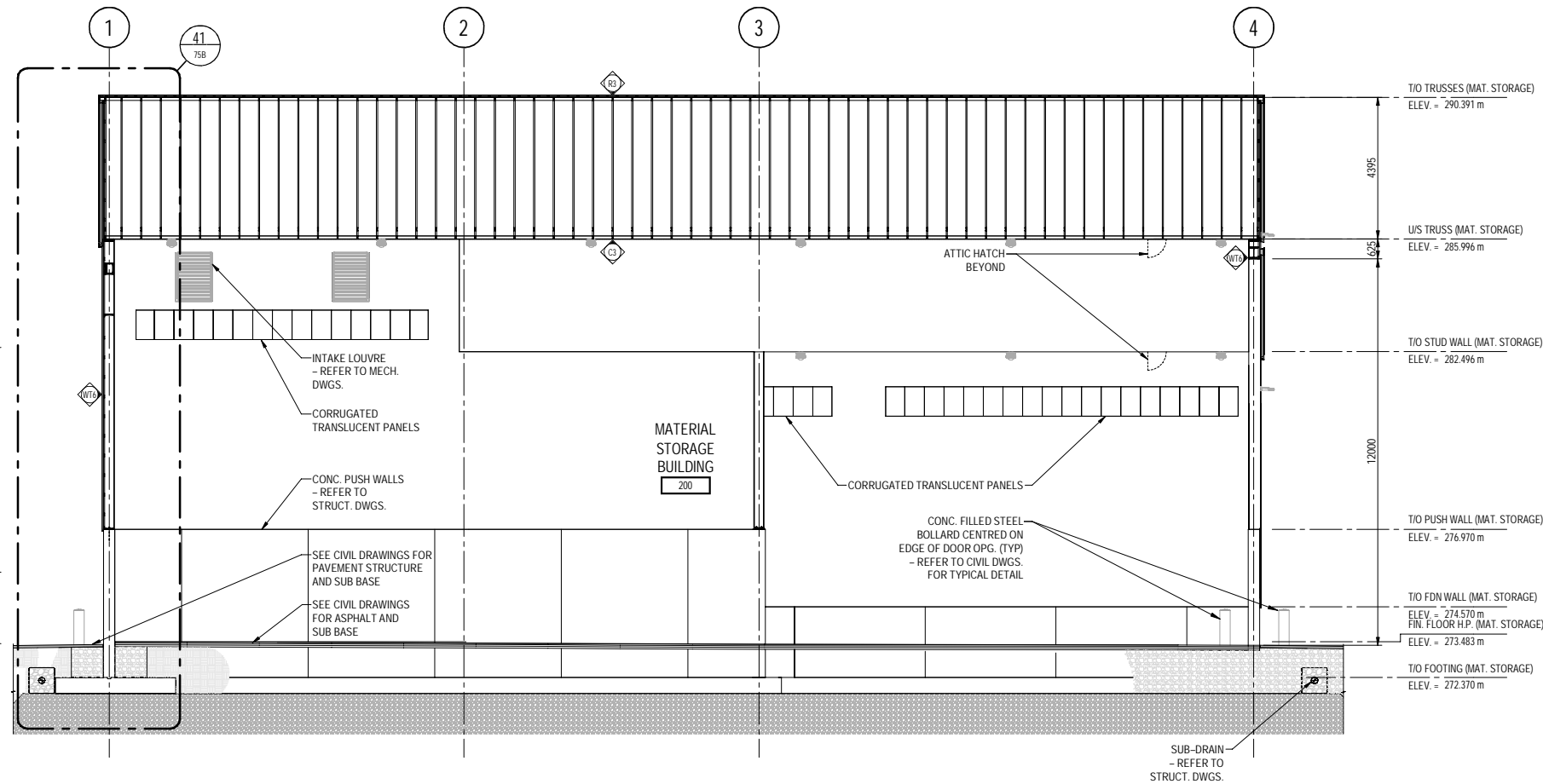
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41 WALL SECTION
75B SCALE: 1 : 50



42 CROSS - SECTION
72B SCALE: 1 : 100



43 CROSS - SECTION
72B SCALE: 1 : 100

DRAWING NOT TO BE SCALED
100 mm ON ORIGINAL DRAWING

CONT No 2023-4010
GWP No 4044-22-00

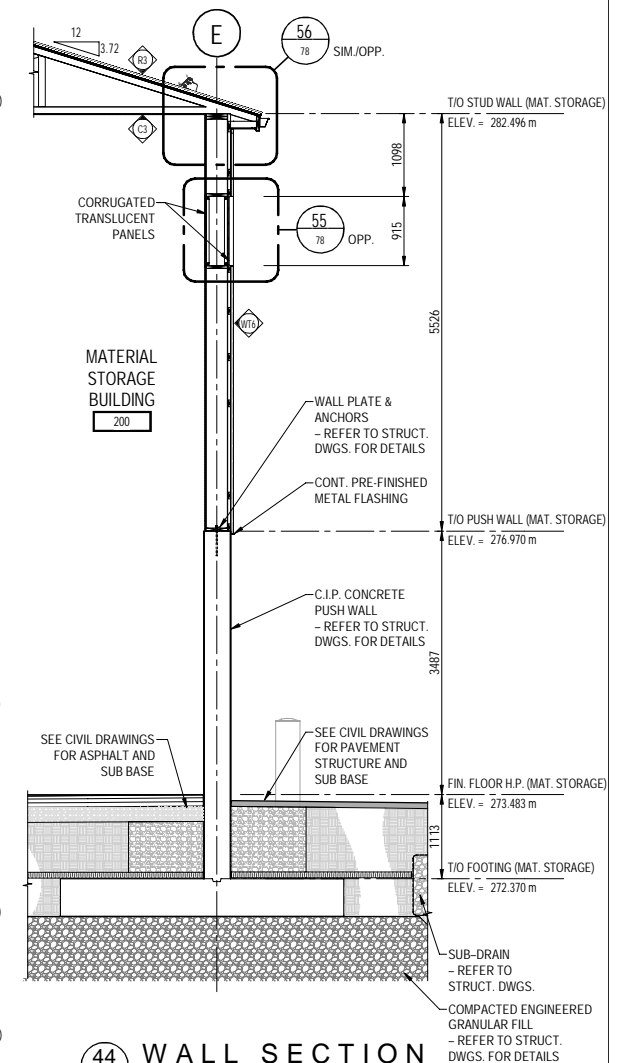
ARCHITECTURAL

FENELON FALLS MPY
MATERIAL STORAGE BUILDING -
CROSS-SECTIONS AND WALL SECTIONS

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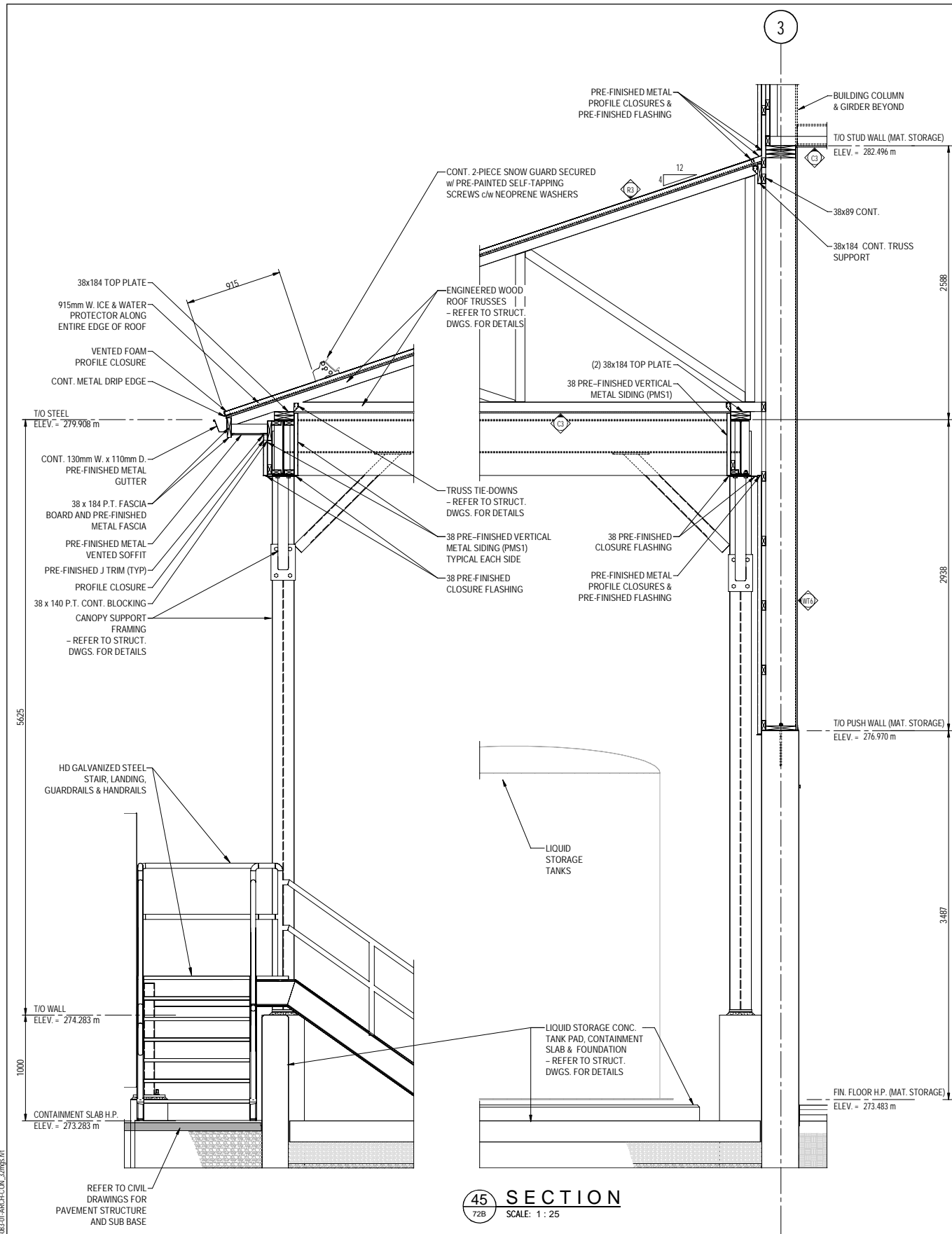
SHEET
75B



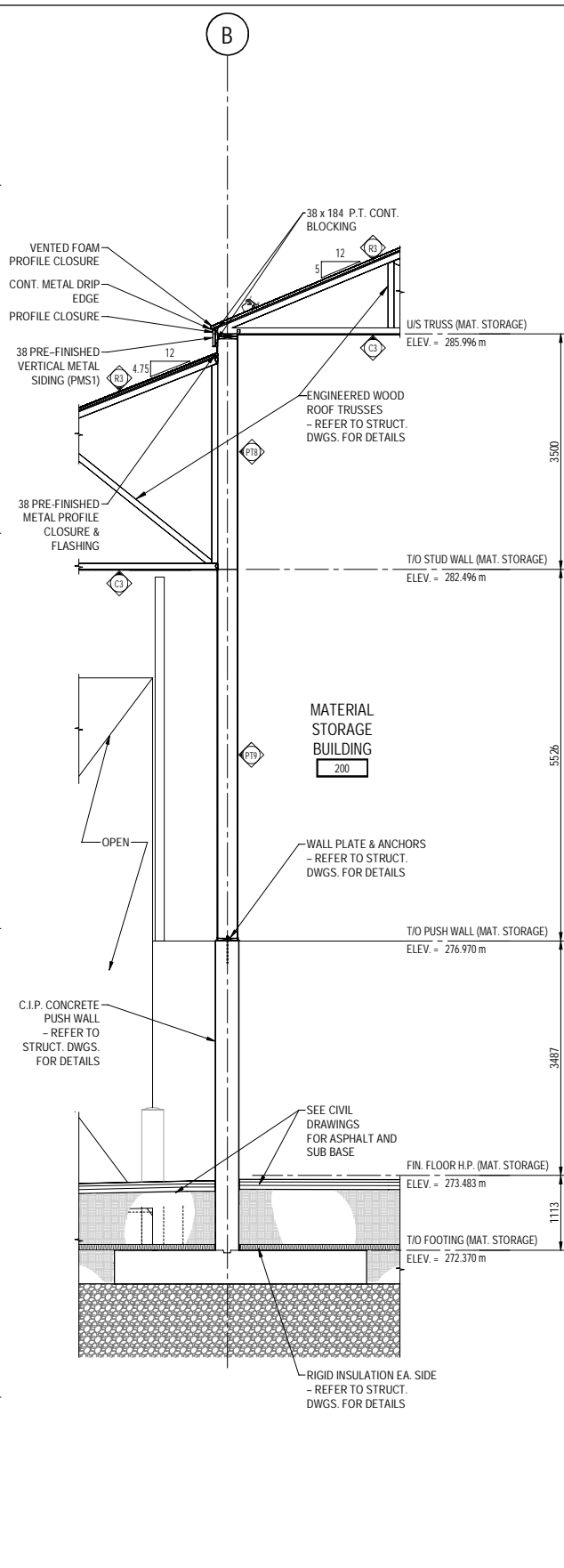
44 WALL SECTION
74B SCALE: 1 : 50

REVISIONS	DATE	BY	DESCRIPTION
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2	24.12.11	BWD	ISSUED FOR ADDENDUM 2
3	24.10.21	BWD	ISSUED FOR TENDER

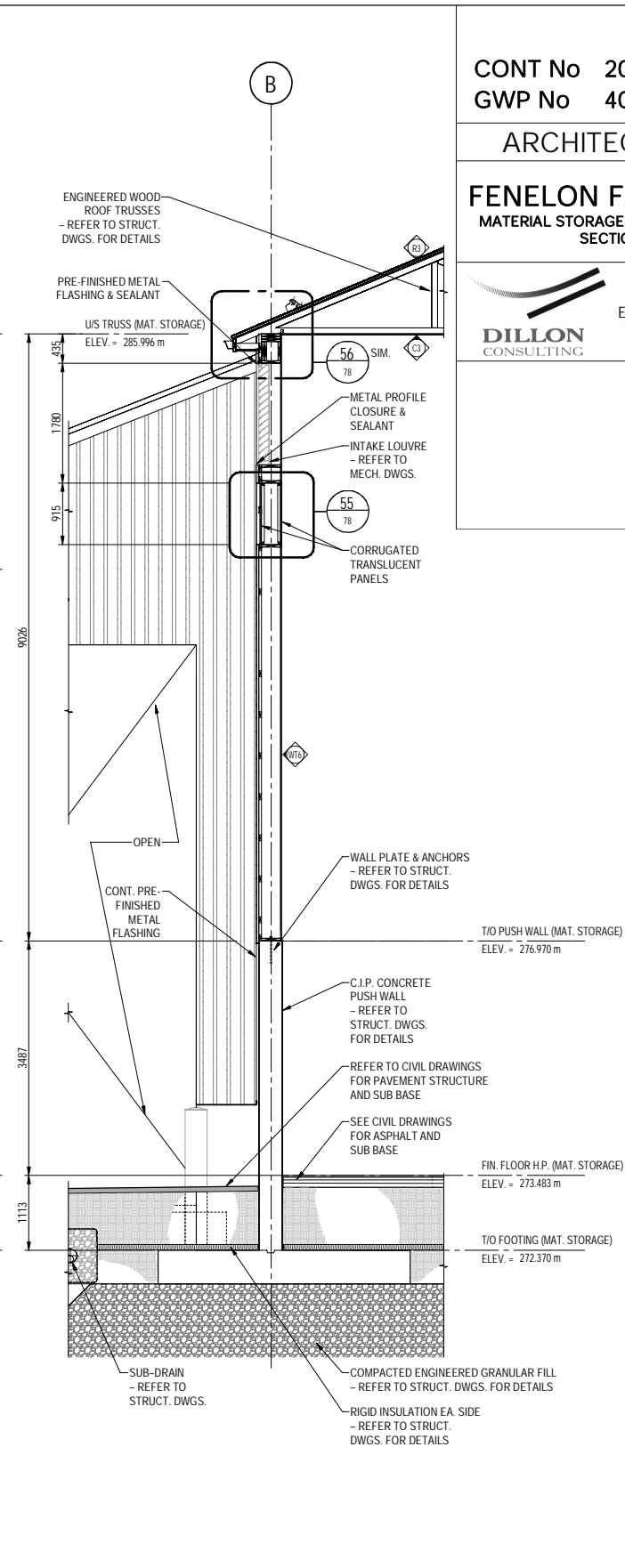
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45 SECTION
72B SCALE: 1 : 25





46 WALL SECTION
74B SCALE: 1 : 50

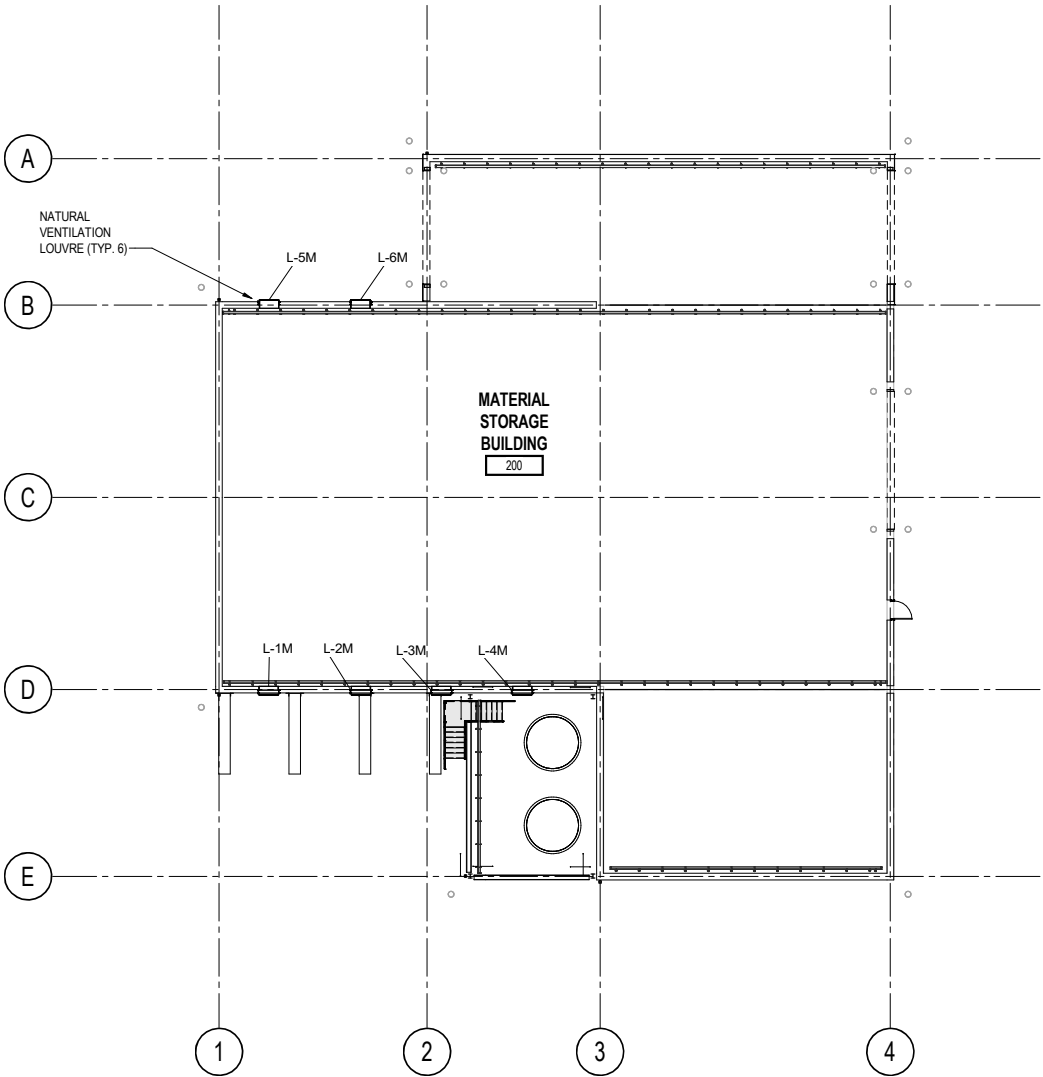


47 WALL SECTION
74B SCALE: 1 : 50

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100 mm ON ORIGINAL DRAWING

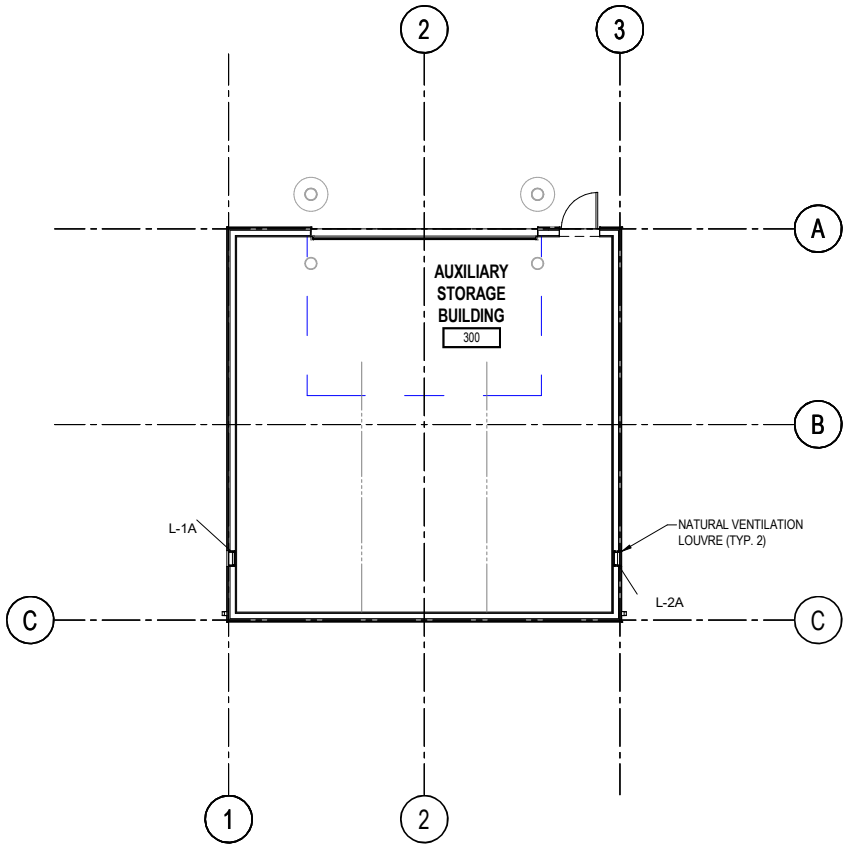
CONT No 2023-4010 GWP No 4044-22-00		SHEET 76B
ARCHITECTURAL		
FENELON FALLS MPY MATERIAL STORAGE BUILDING - WALL SECTIONS		
 DILLON Building Design Ltd. Engineers and Architects 130 Dufferin Avenue, London, Ontario, N6A 5R2 Phone: (519) 438-6192, Fax: (519) 672-8209 E-mail: london@dillon.ca		
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	3	24.10.21	BWD	ISSUED FOR TENDER



MATERIAL STORAGE BUILDING - HVAC

SCALE: 1 : 200



AUXILIARY STORAGE BUILDING - HVAC

SCALE: 1 : 100

LOUVRE SCHEDULE - MATERIAL AND AUXILIARY STORAGE BUILDINGS											
TAG	LOCATION	SERVES	TYPE	WIDTH (mm)	HEIGHT (mm)	DEPTH (mm)	AIRFLOW (L/S)	AIR PRESSURE DROP (Pa)	ACCESSORIES	ACCEPTABLE PRODUCT (OR APPROVED EQUAL)	NOTES
L-1A	AUXILIARY BLDG	AUXILIARY BLDG	INTAKE	355	355	150	189	25	BIRDSCREEN, FLANGED FRAM	EH PRICE DE639	1,2,3,4
L-2A	AUXILIARY BLDG	AUXILIARY BLDG	INTAKE	355	355	150	189	25	BIRDSCREEN, FLANGED FRAM	EH PRICE DE639	1,2,3,4
L-1M	MATERIAL STORAGE BLDG	MATERIAL STORAGE BLDG	INTAKE	1050	1500	150	4484	25	BIRDSCREEN, FLANGED FRAM	EH PRICE DE639	1,2,3,5
L-2M	MATERIAL STORAGE BLDG	MATERIAL STORAGE BLDG	INTAKE	1050	1500	150	4484	25	BIRDSCREEN, FLANGED FRAM	EH PRICE DE639	1,2,3,5
L-3M	MATERIAL STORAGE BLDG	MATERIAL STORAGE BLDG	INTAKE	1050	1500	150	4484	25	BIRDSCREEN, FLANGED FRAM	EH PRICE DE639	1,2,3,5
L-4M	MATERIAL STORAGE BLDG	MATERIAL STORAGE BLDG	INTAKE	1050	1500	150	4484	25	BIRDSCREEN, FLANGED FRAM	EH PRICE DE639	1,2,3,5
L-5M	MATERIAL STORAGE BLDG	MATERIAL STORAGE BLDG	INTAKE	1050	1500	150	4484	25	BIRDSCREEN, FLANGED FRAM	EH PRICE DE639	1,2,3,5
L-6M	MATERIAL STORAGE BLDG	MATERIAL STORAGE BLDG	INTAKE	1050	1500	150	4484	25	BIRDSCREEN, FLANGED FRAM	EH PRICE DE639	1,2,3,5
NOTES: 1. EXTRUDED ALUMINUM CONSTRUCTION COMPLETE, ALUMINUM BIRDSCREEN, AND CUSTOM COLOUR BAKED ENAMEL FINISH. 2. INTAKE LOUVRE FREE AREA VELOCITY TO BE LESS THAN WATER PENETRATION THRESHOLD AS DEFINED IN AMCA STANDARD 511. 3. REFER ALSO TO SPECIFICATIONS. 4. INSTALL LOUVRE AT 3000 mm AFF. 5. INSTALL LOUVRE AT 10000 mm AFF											

CONT No 2023-4010
WP No 4044-22-00

MECHANICAL

FENELON FALLS MPY
MATERIAL AND AUXILIARY STORAGE
BUILDINGS FLOOR PLAN HVAC



SHEET
90-1A

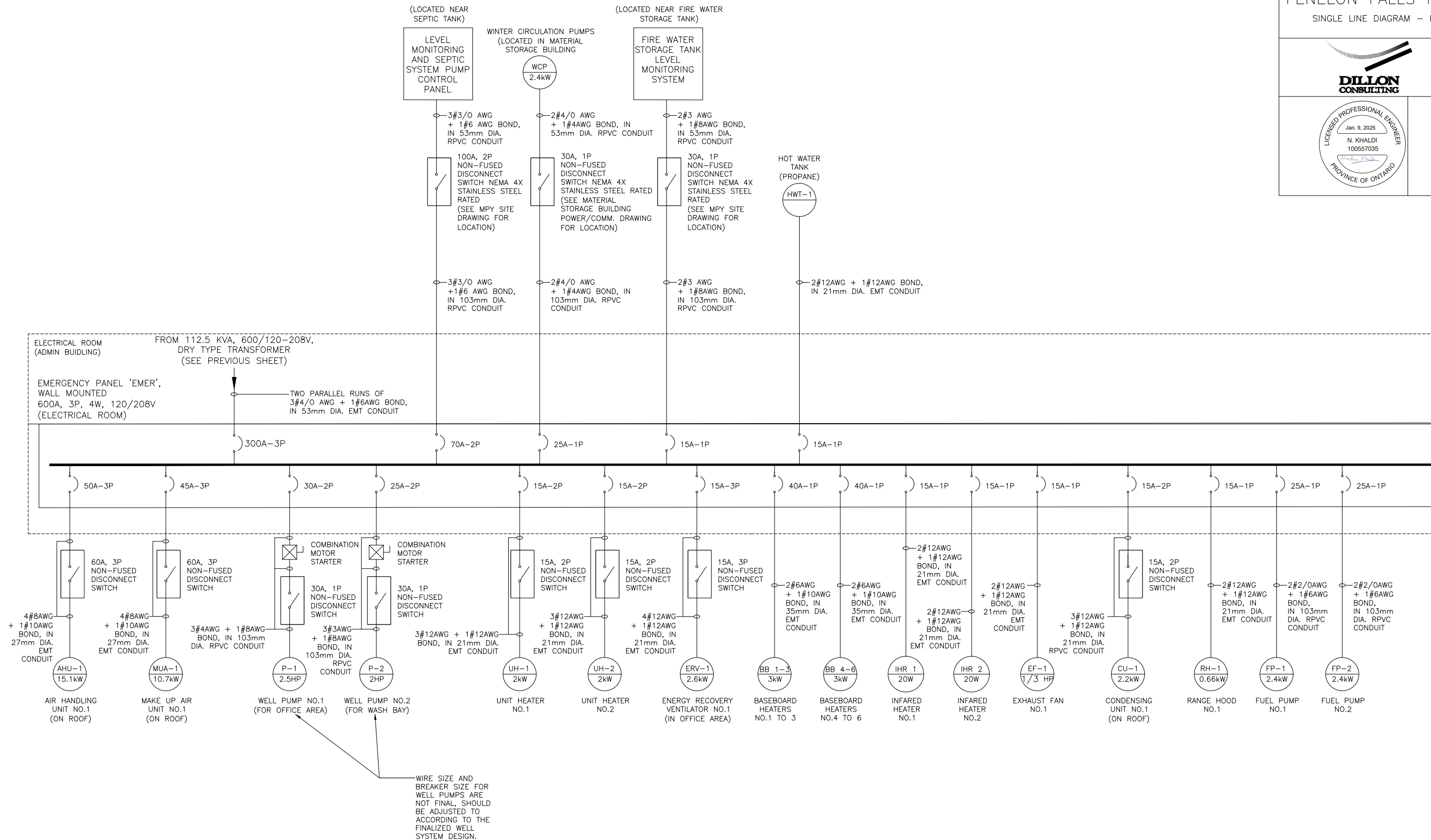
REVISIONS			
REV	DATE	BY	DESCRIPTION
25.01.10	BWD		ISSUED FOR ADDENDUM 4
24.12.11	BWD		ISSUED FOR ADDENDUM 2

CONT No 2023-4010
GWP No 4044-22-00

ELECTRICAL

SHEET
94A

FENELON FALLS MPY
SINGLE LINE DIAGRAM - II



REVISIONS	REV	DATE	BY	DESCRIPTION
1	25.01.10	NK	ISSUED FOR ADDENDUM 4	
2	24.10.21	NK	ISSUED FOR TENDER	

PANEL "BP1"										MAIN BRKR.: 225A-3P	
TOTAL LOAD: 52.7kW		TYPE: 120/208V, 3Ø, 4W		TYPE: SURFACE		TYPE: SURFACE		LOCATION: ELEC. ROOM			
TOTAL CIRCUITS: 72CCT		MAINS: 225A									
LOAD KW	SERV. REF.	WIRE	BRKR	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	BRKR	WIRE	SERV. REF.	LOAD KW
1.5KW	REC. TOOL RM 100	2#10	20A-1P	1				2	20A-1P	2#10	1.5KW
1.0KW	REC. MECH RM 101	2#10	15A-1P	3				4	20A-1P	2#10	1.5KW
1.0KW	REC. COMMS RM 102	2#10	15A-1P	5				6	15A-1P	2#10	1.0KW
1.0KW	REC. WSHRM RM 104	2#10	15A-1P	7				8	15A-1P	2#10	1.0KW
1.0KW	REC. WSHRM RM 105 & 106	2#10	15A-1P	9				10	15A-1P	2#10	1.0KW
1.0KW	REC. MECH RM 101	2#10	15A-1P	11				12	25A-2P	2#10	1.0KW
0.5KW	REC. GCFI WSHRM RM 105	2#12	15A-1P	13				14	15A-2P	3#1	3.84KW
0.5KW	A/C REC. KITCHEN RM 107	2#10	20A-1P	15				16	15A-2P	2#10	1.5KW
0.5KW	A/C REC. KITCHEN RM 107	2#10	20A-1P	17				18	15A-1P	2#10	1.5KW
1.0KW	REC. KITCHEN RM 107	2#10	15A-1P	19				20	20A-1P	2#10	1.0KW
1.0KW	REC. CORRIDOR RM 108	2#10	15A-1P	21				22	20A-1P	2#10	1.0KW
1.0KW	REC. OFFICE RM 110	2#10	15A-1P	23				24	20A-1P	2#10	1.0KW
1.0KW	REC. OFFICE RM 109	2#10	15A-1P	25				26	15A-1P	2#10	1.0KW
1.0KW	REC. GARAGE RM 111	2#10	15A-1P	27				28	15A-1P	2#10	1.0KW
3.84KW	TRUCK PARKING BLOCK HEATER	3#4	25A-2P	29				30	15A-1P	2#10	1.0KW
1.0KW	WORK BENCH ROOM 111	2#10	20A-1P	31				32	15A-1P	2#10	1.0KW
1.0KW	REC. GARAGE RM 111	2#10	20A-1P	33				34	15A-1P	2#10	1.0KW
1.0KW	CL REC. GARAGE RM 111	2#10	20A-1P	35				36	15A-1P	2#10	1.0KW
1.0KW	REC. BLD. EXTERIOR	2#10	15A-1P	37				38	15A-1P	2#10	1.0KW
1.0KW	REC. BLD. EXTERIOR	2#10	15A-1P	39				40	15A-1P	2#10	1.0KW
1.0KW	REC. BLD. EXTERIOR	2#10	15A-1P	41				42	20A-1P	2#10	0.5KW
1.0KW	REC. OFFICE RM 110	2#10	15A-1P	43				44	A/C REC. GARAGE RM 111	2#10	0.5KW
1.5KW	MAKE UP AIR UNIT GFI REC.	2#10	20A-1P	45				46	15A-1P	2#10	250W
1.5KW	AIR HANDLING UNIT GFI REC.	2#10	20A-1P	47				48	15A-1P	2#10	250W
1.5KW	CONDENSING UNIT GFI REC.	2#10	20A-1P	49				50	15A-1P	2#10	250W
1.5KW	DOOR OPERATOR	2#10	20A-1P	51				52	15A-1P	2#10	250W
1.0KW	REC. BLD. EXTERIOR	2#10	15A-1P	53				54	15A-1P	2#10	250W
	SPARE		20A-1P	55				56	15A-1P	2#10	250W
	SPARE		20A-1P	57				58	15A-1P	2#10	250W
	SPARE		20A-1P	59				60	15A-1P	2#10	250W
	SPARE		20A-1P	61				62	15A-1P	2#10	250W
				63				64	15A-1P	2#10	250W
				65				66	15A-1P	2#10	250W
				67				68	15A-1P	2#10	250W
				69				70	15A-1P	2#10	250W
				71				72	15A-1P	2#10	250W

NOTE:
- ALL ESSENTIAL CIRCUITS TO BE LOCKED ON WITH LOCKING BARS.
- ALL BREAKERS TO BE 15A - 1P. UNLESS OTHERWISE SHOWN.
- ALL CIRCUITS TO BE 2 NO. 12 & GRD. UNLESS OTHERWISE SHOWN.

PANEL "EMER"										MAIN BRKR.: 300A-3P	
TOTAL LOAD: 86.6kW		TYPE: 120/208V, 3Ø, 4W		TYPE: SURFACE		TYPE: SURFACE		LOCATION: ELEC. ROOM			
TOTAL CIRCUITS: 82CCT		MAINS: 600A									
LOAD KW	SERV. REF.	WIRE	BRKR	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	BRKR	WIRE	SERV. REF.	LOAD KW
0.5KW	REC. OFFICE RM 109	2#10	15A-1P	1				2	15A-1P	FRIDGE RM 107	1.5KW
0.5KW	REC. OFFICE RM 110	2#10	15A-1P	3				4	15A-1P	GAS STOVE RM 107	1.5KW
	FIBRE DISTRIBUTION PANEL	2#8	20A-1P	5				6	15A-2P		
			50A-3P	7				8	15A-2P	DOOR OPERATOR	1.7KW
15.1KW	AIR HANDLING UNIT 1	4#8	15A-1P	9				10	15A-2P		
			45A-3P	11				12	15A-2P	DOOR OPERATOR	1.7KW
			15A-1P	13				14	15A-2P		
10.7KW	MAKEUP AIR UNIT 1	4#8	15A-1P	15				16	15A-2P	DOOR OPERATOR	1.7KW
			20A-2P	17				18	15A-2P		
			15A-1P	19				20	15A-1P	DOOR OPERATOR	1.7KW
2.0KW	UNIT HEATER 1 UH-1	3#10	20A-2P	21				22	15A-1P	HOT WATER TANK 1	3.0KW
			20A-2P	23				24	40A-1P	BH HEATER RM 109 & 110	3.0KW
2.0KW	UNIT HEATER 2 UH-2	3#10	15A-1P	25				26	40A-1P	BH HEATER RM 105, 107 & 108	3.0KW
0.5KW	REC. MECH RM 101	2#10	15A-1P	27				28	15A-1P	INFARED HEATER 1	20W
0.5KW	REC. MECH RM 101	2#10	15A-1P	29				30	15A-1P	INFARED HEATER 2	20W
0.5KW	REC. MECH RM 101	2#10	15A-1P	31				32	15A-1P	VEHICLE GARAGE RM 111 LIGHTING	952W
100W	P-1 (HW RECIRC)	2#12	15A-1P	33				34	15A-2P		
208W	RM 100 LIGHTING	2#12	15A-1P	35				36	20A-1P	CONDENSING UNIT 1 (CU-1)	2.2KW
264W	RM 101, 102, 103 & 104 LIGHTING	2#12	15A-1P	37				38	20A-1P	RANGE HOOD (RH-1)	0.66KW
372W	RM 105, 106 & 107 LIGHTING	2#12	15A-1P	39				40	25A-1P	FUEL PUMP 1 (FP-1)	2.4KW
202W	RM 108, 109 & 110 LIGHTING	2#12	15A-1P	41				42	25A-1P	FUEL PUMP 2 (FP-2)	2.4KW
952W	VEHICLE GARAGE RM 111 LIGHTING	2#12	15A-1P	43				44	15A-1P	RELAY PANEL	
952W	VEHICLE GARAGE RM 112 LIGHTING	2#12	15A-1P	45				46	70A-2P		
0.5KW	REC. RM 111	2#12	15A-1P	47				48	15A-1P	SEPTIC SYSTEM CONTROL PANEL	12KW
0.5KW	REC. RM 111	2#12	15A-1P	49				50	15A-1P	MAT. STORAGE BUILDING LIGHTING	952W
0.5KW	REC. RM 111	2#12	15A-1P	51				52	15A-1P	MAT. STORAGE BUILDING LIGHTING	952W
	SPARE		20A-1P	53				54	15A-1P	MAT. STORAGE BUILDING LIGHTING	952W
250W	FIBRE DIST.	2#12	15A-1P	55				56	20A-1P	CCTV CAMERA SYSTEM (SITE P8)	0.25W
270W	EMERG. LIGHT BATTERY PACK VMG	2#12	15A-1P	57				58	25A-2P		
189W	EMERG. LIGHT MSB BATTERY PACK	2#2/0	15A-1P	59				60	15A-1P	WELL PUMP 2	1.5KW
			15A-3P	61				62	15A-1P	FIRE WATER TANK LEVEL MONITORING	250W
2.6KW	VENTILATOR 1 ERV-1	4#12	15A-1P	63				64	25A-1P	WINTER CIRCULATION PUMPS	2.4KW
			25A-1P	65				66	15A-1P	REC. MECH RM 101	0.5KW
710W	VEHICLE GARAGE EXT. LIGHTING	2#4	25A-1P	67				68	15A-1P	REC. MECH RM 101	0.5KW
0.25W	EXHAUST FAN (EF-1)	2#10	15A-1P	69				70	15A-1P	REC. MECH RM 101	0.5KW
94W	CANOPY LIGHTING (VMG)	2#10	15A-1P	71				72	20A-1P	REC. COMMS RACK RM 102	1.5KW
284W	MAT. STORAGE EXT. LIGHTING	2#4	25A-1P	73				74	30A-2P		
			15A-1P	75				76	15A-1P	WELL PUMP 1	1.86KW
			15A-1P	77				78	20A-1P	CCTV CAMERA SYSTEM (SITE P11)	0.25W
			15A-1P	79				80	15A-1P		
			15A-1P	81				82	15A-1P		

NOTE:
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- ALL CIRCUITS TO BE 2 NO. 12 & GRD. UNLESS OTHERWISE SHOWN.

PANEL "ASB1"										MAIN BRKR.: 125A-3P	
TOTAL LOAD: 6.0kW		TYPE: 120/208V, 3Ø, 4W		TYPE: SURFACE		TYPE: SURFACE		LOCATION: ELEC. ROOM			
TOTAL CIRCUITS: 30CCT		MAINS: 125A									
LOAD KW	SERV. REF.	WIRE	BRKR	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	BRKR	WIRE	SERV. REF.	LOAD KW
1.0KW	REC.	2#10	15A-1P	1				2	15A-1P	REC. GCFI	1.0KW
476W	REC. BLD. EXTERIOR	2#12	15A-1P	3				4	15A-2P		
458W	AUX. STORAGE LIGHTING	2#12	20A-1P	5				6	15A-2P	DOOR OPERATOR	1.7KW
360W	AUX. BUILDING EXT. LIGHTING	2#10	15A-1P	7				8	15A-2P		
				9				10	15A-2P		
				11				12	15A-2P	SPACE	
				13				14	15A-2P		
				15				16	15A-2P	SPACE	
				17				18	15A-2P		
				19				20	15A-2P		
				21				22	15A-2P		
				23				24	15A-2P		
				25				26	15A-2P		
				27				28	15A-2P		
				29				30	15A-2P		

NOTE:
- ALL ESSENTIAL CIRCUITS TO BE LOCKED ON WITH LOCKING BARS.
- ALL BREAKERS TO BE 15A - 1P. UNLESS OTHERWISE SHOWN.
- ALL CIRCUITS TO BE 2 NO. 12 & GRD. UNLESS OTHERWISE SHOWN.

				PANEL "MSB1"				MAIN BRKR.: 125A-3P			
TOTAL LOAD: 10.4kW		TYPE: 120/208V, 3Ø, 4W		TYPE: SURFACE		TYPE: SURFACE		LOCATION: MATERIAL STORAGE BLD.			
TOTAL CIRCUITS: 30CCT		MAINS: 125A									
LOAD KW	SERV. REF.	WIRE	BRKR	1	2	3	4	5	6	7	8
1.0KW	REC.	2#10	15A-1P	1				2	15A-1P	2#10	REC.
			20A-2P	3				4	15A-1P		REC. BLD. EXTERIOR
3.84KW	REC. PARKING	3#4	20A-1P	5				6	20A-1P	3#10	CCTV CAMERA SYSTEM MSB
			20A-2P	7				8	20A-2P	2#10	FUTURE O/H DOOR
3.84KW	REC. PARKING	3#4		9				10			
				11				12			SPACE
	SPARE			13				14			
				15				16			
				17				18			
	SPACE			19				20			
				21				22			
				23				24			
				25				26			
				27				28			
				29				30			

NOTE:

- ALL ESSENTIAL CIRCUITS TO BE LOCKED ON WITH LOCKING BARS.
- ALL BREAKERS TO BE 15A - 1P. UNLESS OTHERWISE SHOWN.
- ALL CIRCUITS TO BE 2 NO. 12 & GRD. UNLESS OTHERWISE SHOWN.

DATE PLOTTED: 1/10/2025 9:21:37 AM
FILE LOCATION: C:\pw working directory\projects 2022\dillon_20k\lms80406\225083-04-ELEC-DET.dwg

LIGHTING FIXTURE SCHEDULE															
SYMBOLS	BASE MANUFACTURER (AS SPECIFIED)	CATALOGUE NUMBER	CEILING TYPE		WALL TYPE		EXTERIOR TYPE				BALLAST VOLTAGE			REMARKS	
			SURFACE	RECESSED	SUSPENDED	SURFACE	RECESSED	BRACKET			DIRECT MOUNT	WALL PACK	CANOPY		LAMP TYPE
A	HOLOPHANE	PXHW-12000LM-MDU5-120-40K-80CRI-UNM-DGXD	●								LED	83.2W	●		HIGH BAY FIXTURE SURFACE MOUNTED
A1	HOLOPHANE	PXHW-18000LM-MDU5-120-40K-80CRI-UNM-DGXD-CPTL16WWL-HKMW-DL-HSCK72			●						LED	119W	●		HIGH BAY FIXTURE SUSPENDED
B	HOLOPHANE	PXHH-18000LM-MDU5-120-40K-80CRI-UNM-DGXD	●								LED	119W	●		HIGH BAY FIXTURE SURFACE MOUNTED
C	LITHONIA LIGHTING	2BLT4-30L-ADP-EZI-LP835		●							LED	23W	●		2'x4' RECESSED LED TROFFER LIGHT
C1	LITHONIA LIGHTING	2BLT4-40L-ADP-EZI-LP835		●							LED	30W	●		2'x4' RECESSED LED TROFFER LIGHT C/W DIMMING
D	LITHONIA LIGHTING	2BLT2-20L-ADP-EZI-LP835		●							LED	16W	●		2'x2' RECESSED LED TROFFER LIGHT
D1	LITHONIA LIGHTING	2BLT2-33L-ADP-EZI-LP835		●							LED	26W	●		2'x2' RECESSED LED TROFFER LIGHT
E	LITHONIA LIGHTING	2BLTX2-20L-ADP-EZI-LP835	●								LED	20W	●		2'x2' SURFACE MOUNTED LED TROFFER LIGHT
F	LITHONIA LIGHTING	2BLTX4-30L-ADP-EZI-LP835	●								LED	30W			2'x4' SURFACE MOUNTED LED TROFFER LIGHT
F1	LITHONIA LIGHTING	2BLTX4-40L-ADP-EZI-LP835	●								LED	34W			2'x4' SURFACE MOUNTED LED TROFFER LIGHT
G	LITHONIA LIGHTING	CLX-L48-3000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-WH			●						LED	19W	●		LINEAR LED LIGHT FIXTURE SUSPENDED C/W AIRCRAFT CABLE MODEL #ZACVH
G1	LITHONIA LIGHTING	CLX-L48-4000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI-WH			●						LED	26W	●		LINEAR LED LIGHT FIXTURE SUSPENDED C/W AIRCRAFT CABLE MODEL #ZACVH
H	HOLOPHANE	HLWPC2 P30 40K MVOLT TFTM BKSDP							●		LED	71W	●		WALL PACK LED FIXTURE MOUNTED TO EXTERIOR OF BUILDING.
J	SIGNIFY	SVPG-A03-840-T3A-SUR-UNV								●	LED	47W	●		RECESSED CANOPY LED DOWNLIGHT LIGHTING FIXTURE

HVAC/MOTOR EQUIPMENT																						
MOTOR							FEEDER		PROTECTION		STARTERS					ACCESSORIES						
EQUIPMENT DESIGNATION	DESCRIPTION	ROOM NUMBER OR AREA SERVED	VOLTAGE	PHASE	AMPS (FLA)/MCA	HP /KW	MOTOR FED FROM	FEEDER TYPE & SIZE		CIRCUIT BRKR. (AMPS)	RECEPTACLE PROVIDED BY DIV. 26.	DIRECT CONNECTION PROVIDED BY DIV. 26.	DISCONNECT SWITCH BY DIV. 26.	VARIABLE FREQUENCY DRIVE (VFD) BY DIV. 23	MANUAL STARTER BY DIV. 26	COMBINATION FULL VOLTAGE NON-REVERSING BY DIV. 26		HAND-OFF-AUTO SELECTOR SWITCH	RUNNING PILOT LIGHT-GREEN & ELAPSED TIME METER	OFF PILOT LIGHT-RED	INTERLOCKED	REMARKS
AC-1	AIR COMPRESSOR	100	240V	1Ø		7.5HP	BP2	3#4+1#8GRD		80A-2P	×	×										PROVIDED BY OTHERS
PW-1	PRESSURE WASHER	112	600V	3Ø	23A	30KW	MAIN	3#8+1#10GRD		50A-3P	×	×										
FP-1	FUEL PAD PUMP NO.1	EXT.	120V	1Ø		X4W	EMER	2#2/0+1#6GRD		25A-1P	×											PROVIDED BY OTHERS
FP-2	FUEL PAD PUMP NO.2	EXT.	120V	1Ø		X4W	EMER	2#2/0+1#6GRD		25A-1P	×											PROVIDED BY OTHERS
UH-1	UNIT HEATER NO. 1	100	208V	1Ø		2KW	EMER	3#12+1#12GRD		15A-2P	×	×										WALL MOUNTED
UH-2	UNIT HEATER NO. 2	100	208V	1Ø		2KW	EMER	3#12+1#12GRD		15A-2P	×	×										WALL MOUNTED
IRH-1	INFARED HEATER NO. 1	111	120V	1Ø		20W	EMER	2#12+1#12GRD		15A-1P	×											CEILING MOUNTED
IRH-2	INFARED HEATER NO. 2	112	120V	1Ø		20W	EMER	2#12+1#12GRD		15A-1P	×											CEILING MOUNTED
BH-1	ELECTRIC BASEBOARD HEATER NO. 1	110	120V	1Ø		1000W	EMER	2#8+1#10GRD		40A-1P		×								×		INTERLOCK WITH AHU-1
BH-2	ELECTRIC BASEBOARD HEATER NO. 2	109	120V	1Ø		1000W	EMER	2#8+1#10GRD				×									×	
BH-3	ELECTRIC BASEBOARD HEATER NO. 3	107	120V	1Ø		1000W	EMER	2#8+1#10GRD		40A-1P		×								×		INTERLOCK WITH AHU-1
BH-4	ELECTRIC BASEBOARD HEATER NO. 4	108	120V	1Ø		1000W	EMER	2#8+1#10GRD				×									×	
BH-5	ELECTRIC BASEBOARD HEATER NO. 5	105	120V	1Ø		1000W	EMER	2#8+1#10GRD		40A-1P		×								×		INTERLOCK WITH AHU-1
BH-6	ELECTRIC BASEBOARD HEATER NO. 6	109	120V	1Ø		1000W	EMER	2#8+1#10GRD				×									×	
P-1	WELL PUMP NO. 1	EXT.	208V	1Ø		2.5HP	EMER	3#10+1#10GRD		30A-2P	×	×				×						CONTROLLED BY PRESSURE SWITCH
P-2	WELL PUMP NO. 2	EXT.	208V	1Ø		2HP	EMER	3#10+1#10GRD		25A-2P	×	×				×						CONTROLLED BY PRESSURE SWITCH
AHU-1	AIR HANDLING UNIT NO. 1	ROOF	208V	3Ø	42A	15.1KW	EMER	4#8+1#10GRD		50A-3P	×	×									×	C/W STAND ALONE CTRL PNL (BY MECH) CTRL WIRING BY CTRLS CONTRACTOR, INTLK WITH BASEBOARD HEATERS.
MAU-1	MAKEUP AIR UNIT NO.1	ROOF	208V	3Ø	33A	10.7KW	EMER	4#8+1#10GRD		45A-3P	×	×										C/W CONVENIENCE RECEP. & VED FOR FANS (BY MECH'L) CONTROLLED BY THERMOSTAT AND INTERLOCKED WITH 'D-2'
EF-1	EXHAUST FAN NO. 1	103	120V	1Ø		1/3HP	EMER	2#12+1#12GRD		15A-1P	×							×	×	×	×	
ERV-1	ENERGY RECOVERY VENTILATOR NO. 1	OFFICE	208V	3Ø		2.6kW	EMER	4#12+1#12GRD		15A-3P	×	×										
HWT-1	HOT WATER TANK NO. 1	101	120V	1Ø			EMER	2#12+1#12GRD		15A-1P	×	×										
CU-1	CONDENSING UNIT NO. 1	ROOF	208V	1Ø	9A		EMER	3#12+1#12GRD		15A-2P	×											
RH-1	RANGE HOOD NO. 1	107	120V	1Ø		0.66kW	EMER	2#12+1#12GRD		15A-1P	×											
WCP	WINTER CIRC. PUMPS	MSB	120V	1Ø		2.4kW	EMER	2#2/0+1#6GRD		25A-1P	×											CONTROLLED BY ON/OFF WALL SWITCH
P-1	HW RECIRC	101	120V	1Ø		1/25HP	EMER	2#12+1#12GRD		15A-1P	×											

CONT No 2023-4010
GWP No 4044-22-00

ELECTRICAL

SHEET
111A

FENELON FALLS MPY

ELECTRICAL PANELBOARD, LIGHTING
FIXTURE AND MOTOR SCHEDULES



REVISIONS	REV	DATE	BY	DESCRIPTION
△				
△				
△	25.01.10	NK		ISSUED FOR ADDENDUM 4
△	24.10.21	NK		ISSUED FOR TENDER
△				