

**K&S ENGINEERING LTD.**

1333 HIGHWAY #3  
DUNNVILLE, ONTARIO  
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THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN, AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.

THE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE ENGINEER TO BE USED ONLY FOR THE PROJECT FOR WHICH THEY WERE ISSUED.  
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5	ELEVATIONS ADDED	NOV 28/17	MD
4	DRAWING PLAN ADDED	NOV 27/17	MD
3	REVISED FLOOR PLAN	NOV 14/17	MD
2	FOR REVIEW	NOV 7/17	MD
1	PRELIM. DRAFT	OCT 27/17	MD
#	PURPOSE OF ISSUE	DATE OF ISSUE	BY

RUI NUNES

## RENOVATION

2 DOVER STREET  
FORT MAITLAND, ON  
N1A 2W6

## ELEVATIONS

SCALE AS NOTED

N9-17-326

DWG#S-2017-011, RUI - RENOVATION - N9-17-326-2

DRAWING NUMBER

S-1

DRAWN BY

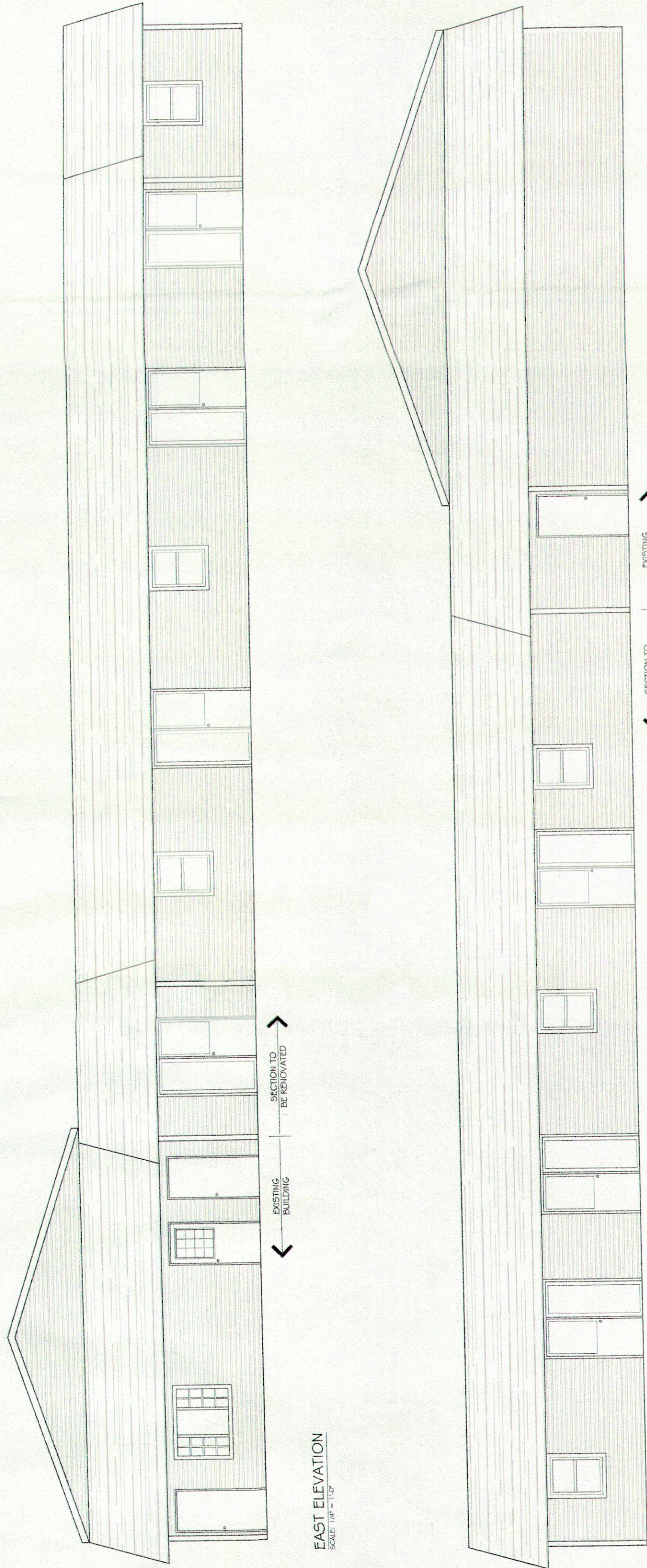
MINE DWYER

START DATE

OCTOBER 11, 2017

SHEET

1 OF 4



EAST ELEVATION  
SCALE: 1/4" = 1'-0"

WEST ELEVATION  
SCALE: 1/4" = 1'-0"

### CODE REVIEW

Item	Code Data Matrix Parts 3 & 9	Reference
1	Project Description <input type="checkbox"/> New <input type="checkbox"/> Addition <input type="checkbox"/> Change of Use <input type="checkbox"/> Alteration	Part 3 2.1.1 9.10.1.3
2	Major Occupancy GROUP C 3.2.2.47	9.10.2 1.1.3.2 1.1.3.2 2.1.1.3 2.1.1.3
3	Building Area (ft <sup>2</sup> ) Existing G43 New O Total: G43	1.1.3.2 1.1.3.2 2.1.1.3 2.1.1.3
4	Gross Area (ft <sup>2</sup> ) Existing G43 New O Total: G43	1.1.3.2 1.1.3.2 2.1.1.3 2.1.1.3
5	Number of Storeys Above Grade: ONE Below Grade:	1.1.3.2 1.1.3.2 2.1.1.3 2.1.1.3
6	Height of Building (m) 3.6m	3.2.2.10.1.3.2.5 9.10.2.1 3.2.2.20.43 9.10.2.2 3.2.1.4
7	Number of Storeys/Access Routes: 2 STREETS	3.2.2.10.1.3.2.5 9.10.2.1 3.2.2.20.43 9.10.2.2 3.2.1.4
8	Building Classification: GROUP C	3.2.2.10.1.3.2.5 9.10.2.1 3.2.2.20.43 9.10.2.2 3.2.1.4
9	Sprinkler System Proposed: <input type="checkbox"/> Basement Only <input type="checkbox"/> In Lieu of Roof Rating <input type="checkbox"/> Not Required	3.2.2.20.43 9.10.2.2 3.2.1.4 3.2.1.4
10	Standpipes Required: <input type="checkbox"/> Yes <input type="checkbox"/> No	3.2.9 NA 3.2.9 NA
11	Fire Alarm Required: <input type="checkbox"/> Yes <input type="checkbox"/> No	3.2.9 NA 3.2.9 NA
12	Water Service/Supply is Adequate: <input type="checkbox"/> Yes <input type="checkbox"/> No	3.2.9 NA 3.2.9 NA
13	High Building: <input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant/Both	3.2.9 NA 3.2.9 NA
14	Actual Construction: <input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant/Both	3.2.9 NA 3.2.9 NA
15	Mezzanine(s) Area m <sup>2</sup> : N/A	3.2.2.20.43 9.10.2.2 3.2.1.4 3.2.1.4
16	Occupant Load Based on: <input type="checkbox"/> m <sup>2</sup> /person <input type="checkbox"/> Design of Building <input type="checkbox"/> Personnel	3.3.1.1(3)(b) 9.10.4.1 3.1.17 9.1.1.3
17	Barrier - Free Design: <input type="checkbox"/> Yes <input type="checkbox"/> No	3.8 9.5.2 3.8 9.5.2
18	Hazardous Substances: <input type="checkbox"/> Yes <input type="checkbox"/> No	3.8 9.5.2 3.8 9.5.2
19	Resistant Floors: <input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant/Both	3.8 9.5.2 3.8 9.5.2
20	Resistant Roof: <input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant/Both	3.8 9.5.2 3.8 9.5.2
21	Spill Separation: <input type="checkbox"/> Compliant <input type="checkbox"/> Non-Compliant/Both	3.8 9.5.2 3.8 9.5.2

### GENERAL NOTES:

- DO NOT SCALE DRAWINGS.
- ALL WORK SHALL BE REFERRED TO ENGINEER PRIOR TO CONSTRUCTION.
- ALL WORK TO CONFORM TO O.B.C. 2012.
- FIRE STOP IN CONCEALED ATTIC SPACE NOT TO EXCEED 98% O.C.
- NOTIFY ENGINEER 48 HRS. IN ADVANCE FOR INSPECTION OF FOOTING.
- REMOVE ALL TOP SOIL AND ORGANIC MATERIAL.
- ALL FOOTINGS TO BE ON UNDISTURBED SOIL AND MIN. OF 4'-0" BELOW LINE OF FINISHED GRADE.
- SOIL BRG. CAPACITY TO SUSTAIN A MIN. 3000 P.S.F.

- STEEL STUDS AND RUNNERS SHALL CONFORM TO AISI 9001.
- SHEET STEEL SCREWS SHALL CONFORM TO ASTM C954 OR ASTM C1002.
- A 1/2" (12MM) GAP MUST BE LEFT BETWEEN THE TOP OF THE STUD AND THE TOP OF THE RUNNER FOR PROPER INSTALLATION.
- REMOVE ALL EXISTING TOP RUNNERS AND A SINGLE BOTTOM RUNNER LEFT UP 6" ON EACH END AND FASTENED TO JAMBS.
- CONSTRUCTION SHALL CONFORM TO OBC 2012 9.2.4.

### FIRE RATING NOTE:

- EXTERIOR WALLS
- FIRE RATED WALLBOARD AS SPECIFIED TO BE CONTINUOUS THROUGH ALL OPENINGS SUCH AS WINDOWS AND DOORS.
- FIRE RATED WALLBOARD TO BE CONTINUOUS BEHIND INSULATION.
- USE SUITABLE WALLBOARD IN EXTERIOR OR MOIST ENVIRONMENTS.
- SUBMIT ALL SUBSTITUTIONS TO ENGINEER FOR APPROVAL.
- APPLY CONTINUOUS ACoustical SEALANT AT TOP AND BOTTOM OF WALLS FOR LAST LAYER OF WALLBOARD BEFORE TRUSS SEAMING.
- WALLBOARD APPLICATION TO CONFORM TO CSA A52.51.1M.

- PENETRATIONS
- FIRE SEPARATION PENETRATIONS ARE TO BE SEALED BY 1.5 HOUR F-RATED FIRE-STOP SYSTEM CERTIFIED UNDER ULC-S115.

### STRUCTURAL STEEL NOTES:

- STRUCTURAL STEEL TO BE INSPECTED BY THE ENGINEER PRIOR TO COVERING.
- CONNECTION BOLTS TO BE HIGH STRENGTH ASTM A325.
- CONNECTION BOLTS TO CONFORM TO CSA V9.9.
- STRUCTURAL STEEL TO CONFORM TO G40.21 350W.
- REINFORCING STEEL TO HAVE YIELD STRENGTH OF 400 MPa, CSA G30.18.
- MINIMUM SPLICE LENGTH (10M - 18") (15M - 24")

### LUMBER NOTES:

- ALL LUMBER TO BE GRADE #2 OR BETTER.
- LUMBER EXPOSED TO MOISTURE TO BE PRESSURE TREATED.
- ALL FASTENERS IN CONTACT WITH PRESSURE TREATED MATERIAL TO BE HOT DIP GALVANIZED.
- ALL STEEL SINGING IN CONTACT WITH PRESSURE TREATED WOOD TO BE ISOLATED WITH A LAYER OF ICE & WATER SHIELD OR EQUAL.
- SUBMIT ENGINEERED TRUSS DRAWINGS.
- TRUSS BRACING AND STRAPPING AS SPECIFIED BY ENGINEER.
- TRUSS DRAWING TO SUSTAIN UPLIFT SHOWN ON TRUSS DESIGN AND TO BE CONTINUOUS ON FOUNDATION WALL.
- ALL LINTELS TO BE 2" x 2" x 10' UNLESS OTHERWISE SPECIFIED.