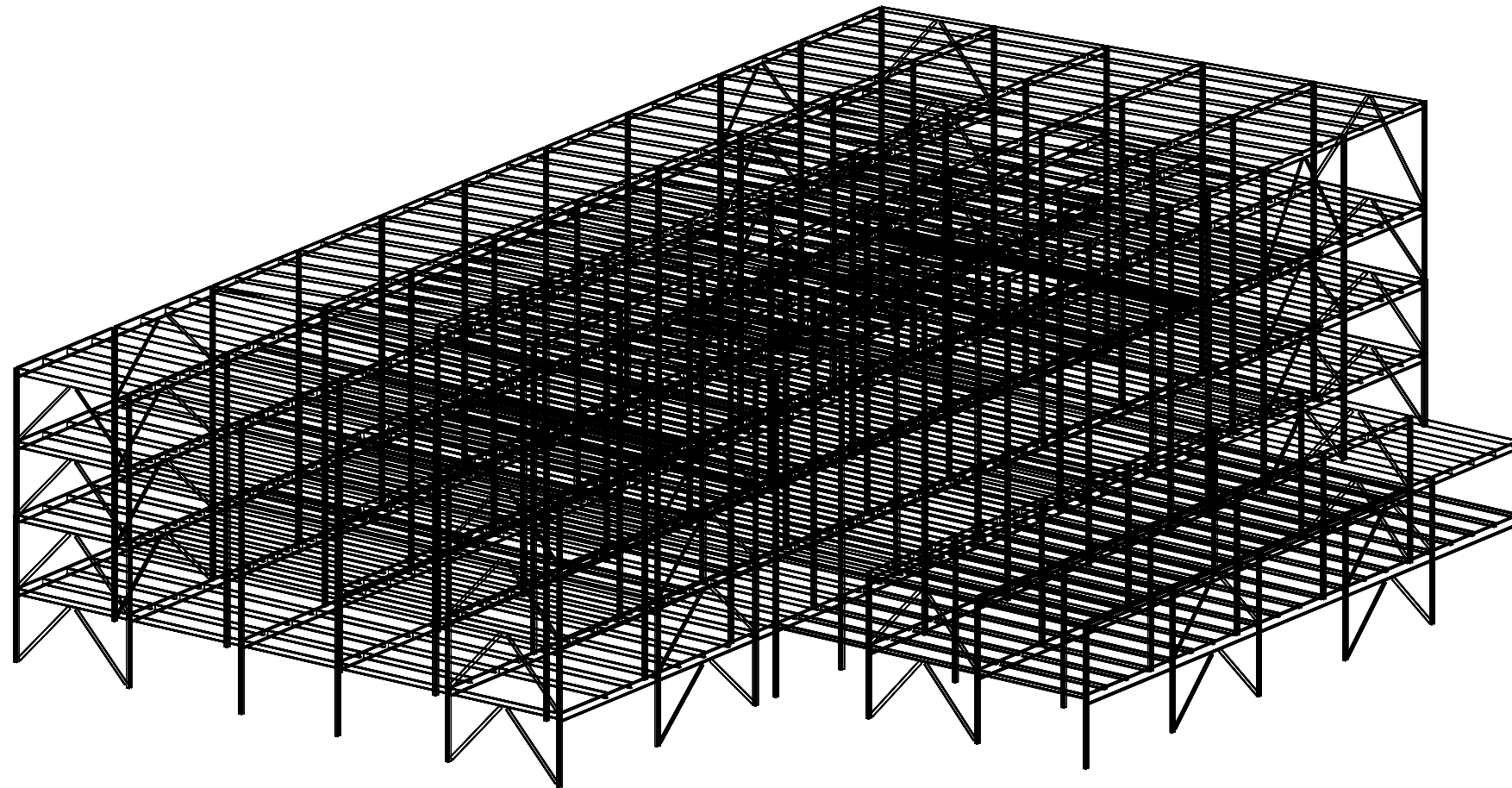


# FRUITLAND VERTICAL FARM AND MARKETPLACE

1 FRUITLAND RD, STONEY CREEK, ON L8E 5A6



LIST OF DRAWING	
SHEET	TITLE
S1	GENERAL NOTES
S2	LEVEL 1 FRAMING PLAN
S3	LEVEL 2 FRAMING PLAN
S4	LEVEL 3 FRAMING PLAN
S5	LEVEL 4 FRAMING PLAN
S6	ROOF FRAMING PLAN
S7	EAST AND WEST ELEVATION
S8	NORTH AND SOUTH ELEVATION
S9	JOIST AND GIRDER SCHEDULE
S10	COLUMN SCHEDULE
S11	CONNECTION DETAILS

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

1	20/01/20	ISSUED FOR REVIEW
No.	DATE	DESCRIPTION

STAMP

N



KEVIN LUONG  
DAVID MOORE  
REGAN O'HENLY  
OLIVIA PARSONS  
DESMOND YEUNG  
DAN ZHAO

LOCATION	
STONEY CREEK, ON	
PROJECT	
FRUITLAND VERTICAL FARM AND MARKETPLACE	
DRAWING TITLE	
TITLE PAGE	
PROJECT No: 001	DRAWING No
DATE: MARCH 9 2020	SO
SCALE: -	
DRAWING BY: KL & DM	
APPROVED BY: KL & DM	

GENERAL NOTES

1. GENERAL

- 1.1. BEFORE PROCEEDING WITH THE WORK, VERIFY ALL DIMENSIONS WITH THE ACTUAL CONDITIONS AND REPORT DISCREPANCIES TO THE CONSULTANT.
- 1.2. PROVIDE LABOUR, MATERIALS, PLANT AND EQUIPMENT TO COMPLETE ALL STRUCTURAL WORK INDICATED ON THE CONTRACT DOCUMENTS.
- 1.3. THESE DRAWINGS SHOW THE COMPLETED STRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY ON THE JOB SITE, AND DESIGN, INSTALLATION AND SUPERVISION OF ALL TEMPORARY BRACING, SHORING, FORM WORK AND FALSE WORK, REQUIRED TO COMPLETE THE WORK.
- 1.4. ANY DAMAGE TO EXISTING BUILDING OR TO NEIGHBORING PROPERTIES IS NOT PERMITTED. THE CONTRACTOR IS RESPONSIBLE FOR MAKING GOOD ALL UNAVOIDABLE DAMAGE.
- 1.5. THE USE OF THESE DRAWINGS SHALL BE STRICTLY LIMITED TO THE INSTRUCTIONS IN THE REVISIONS BLOCK. BUILDING FROM THESE DRAWINGS SHALL PROCEED ONLY WHEN MARKED "FOR CONSTRUCTION".

2. REFERENCE STANDARDS/CODES AND ACTS:

- 2.1. CONFORM WITH THE ONTARIO BUILDING CODE LATEST EDITION AND AMENDMENTS, AND ANY APPLICABLE ACTS OF ANY AUTHORITY HAVING JURISDICTION, AND THE FOLLOWING:
- 2.2. ALL MATERIALS, CONSTRUCTION AND WORKMANSHIP SHALL CONFIRM TO CSA S16-14 AND CSA G40.21.
- 2.3. DO WELDING WORK TO CSA W59-18 UNLESS SPECIFIED OTHERWISE.
- 2.4. COMPLY WITH OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS.
- 2.5. WHERE THERE ARE DIFFERENCES IN REQUIREMENTS OF THE DOCUMENTS AND THE STANDARDS, CODES AND ACTS, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.

3. MATERIALS:

- 3.1. STRUCTURAL STEEL FOR SECONDARY BEAMS (JOISTS) AND GIRDERS TO BE ASTM GRADE A992
- 3.2. CSA G40.21 350W STEEL ANGLES TO BE USED FOR BRACING
- 3.3. COLUMNS TO BE ASTM GRADE A992 STEEL
- 3.4. BASE PLATES TO BE CAN/CSA G40.20/G40.21 GRADE 300W STEEL
- 3.5. ALL BOLTS TO BE 3/4" ASTM A325 BOLTS

4. QUALITY CONTROL:

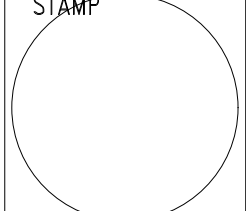
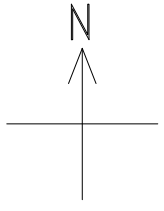
- 4.1. IMPLEMENT A SYSTEM OF QUALITY CONTROL TO ENSURE THAT MINIMUM STANDARDS SPECIFIED HEREIN ARE ATTAINED.
- 4.2. BRING TO ATTENTION OF ENGINEER ANY DEFECTS IN THE WORK OR DEPARTURES FROM CONTRACT DOCUMENTS, WHICH MAY OCCUR DURING CONSTRUCTION. ENGINEER WILL DECIDE UPON CORRECTIVE ACTION AND GIVE RECOMMENDATIONS IN WRITING.
- 4.3. ENGINEER'S GENERAL REVIEW DURING CONSTRUCTION AND INSPECTION AND TESTING BY INDEPENDENT INSPECTION AND TESTING AGENCIES REPORTING TO ENGINEER ARE BOTH UNDERTAKEN TO INFORM THE OWNER/CLIENT OF CONTRACTOR'S PERFORMANCE AND SHALL IN NO WAY RELIEVE CONTRACTOR OF CONTRACTUAL RESPONSIBILITIES.

DRAWING LIST

- S1 - GENERAL NOTES
- S2 - LEVEL 1 FRAMING PLAN
- S3 - LEVEL 2 FRAMING PLAN
- S4 - LEVEL 3 FRAMING PLAN
- S5 - LEVEL 4 FRAMING PLAN
- S6 - ROOF FRAMING PLAN
- S7 - EAST AND WEST ELEVATION
- S8 - NORTH AND SOUTH ELEVATION
- S9 - JOIST AND GIRDER SCHEDULE
- S10 - COLUMN SCHEDULE
- S11 - CONNECTION DETAILS

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

1	20/01/20	ISSUED FOR REVIEW
No.	DATE	DESCRIPTION

STAMP 	
--	---



KEVIN LUONG  
 DAVID MOORE  
 REGAN O'HENLY  
 OLIVIA PARSONS  
 DESMOND YEUNG  
 DAN ZHAO

LOCATION  
 STONEY CREEK, ON

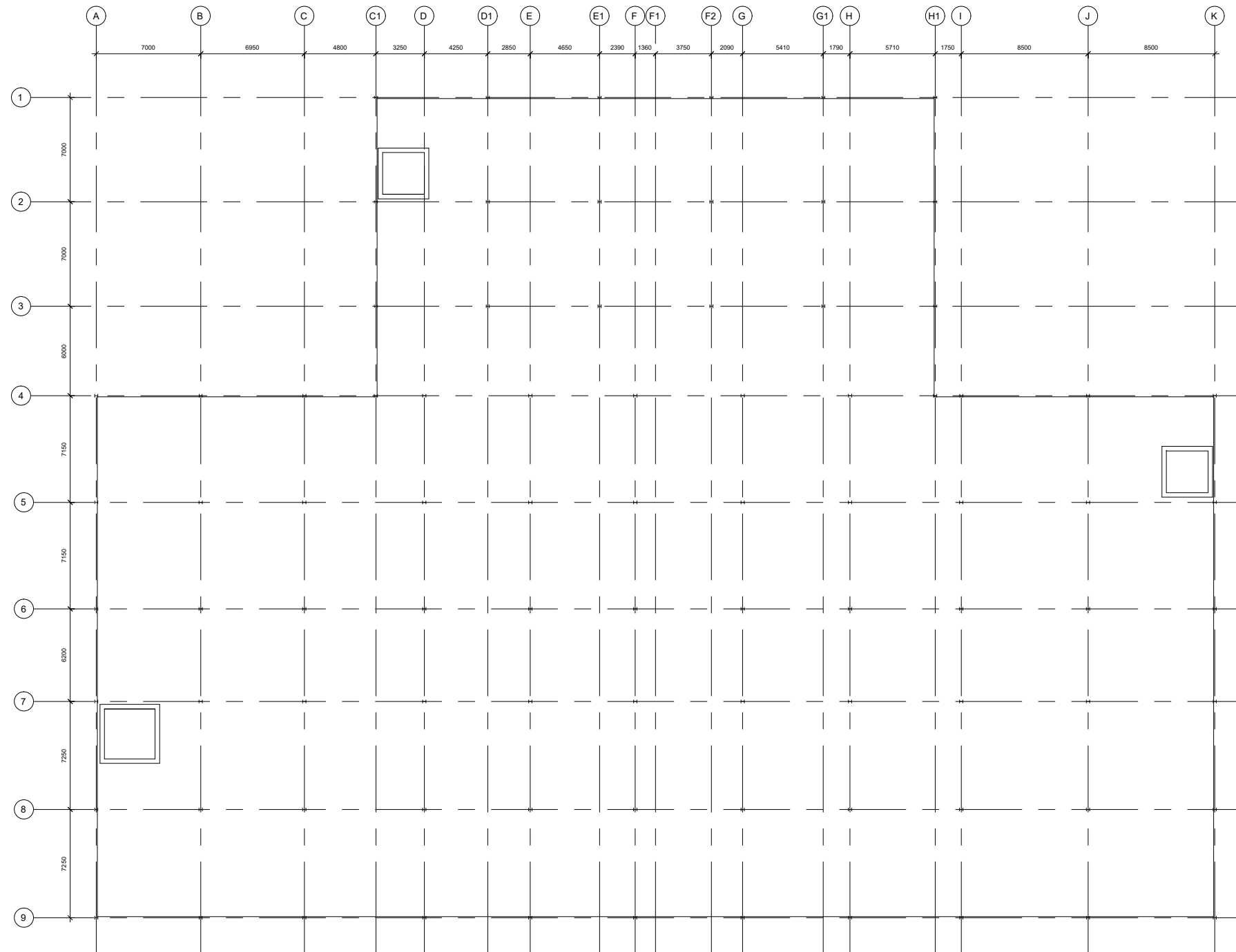
PROJECT  
 FRUITLAND VERTICAL FARM AND MARKETPLACE

DRAWING TITLE  
 GENERAL NOTES

PROJECT No: 001	DRAWING No
DATE: MARCH 9, 2020	S1
SCALE: -	
DRAWING BY: KL & DM	
APPROVED BY: KL & DM	

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION



1 LEVEL 1 FRAMING PLAN  
S2 1:300

**GROUND FLOOR FRAMING PLAN**

**NOTES:**

1. GROUND FLOOR DATUM ELEVATION (0.00).
2. DO NOT SCALE THE DRAWING.
3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE IN MILLIMETER.
4. ALL COLUMNS MUST BE RIGIDLY CONNECTED TO FOOTINGS.
5. REFER TO DRAWING S1 FOR GENERAL NOTES.

6. REFER TO DRAWING S2-S6 FOR TYPICAL DETAILS.
7. REFER TO DRAWING S7-S8 FOR ELEVATION VIEW.
9. REFER TO DRAWING S9 FOR JOIST AND GIRDER SCHEDULE.
10. REFER TO DRAWING S10 FOR COLUMN SCHEDULE.
11. REFER TO DRAWING S11 FOR CONNECTION DETAILS.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

No.	DATE	DESCRIPTION
1	20/01/20	ISSUED FOR REVIEW

STAMP

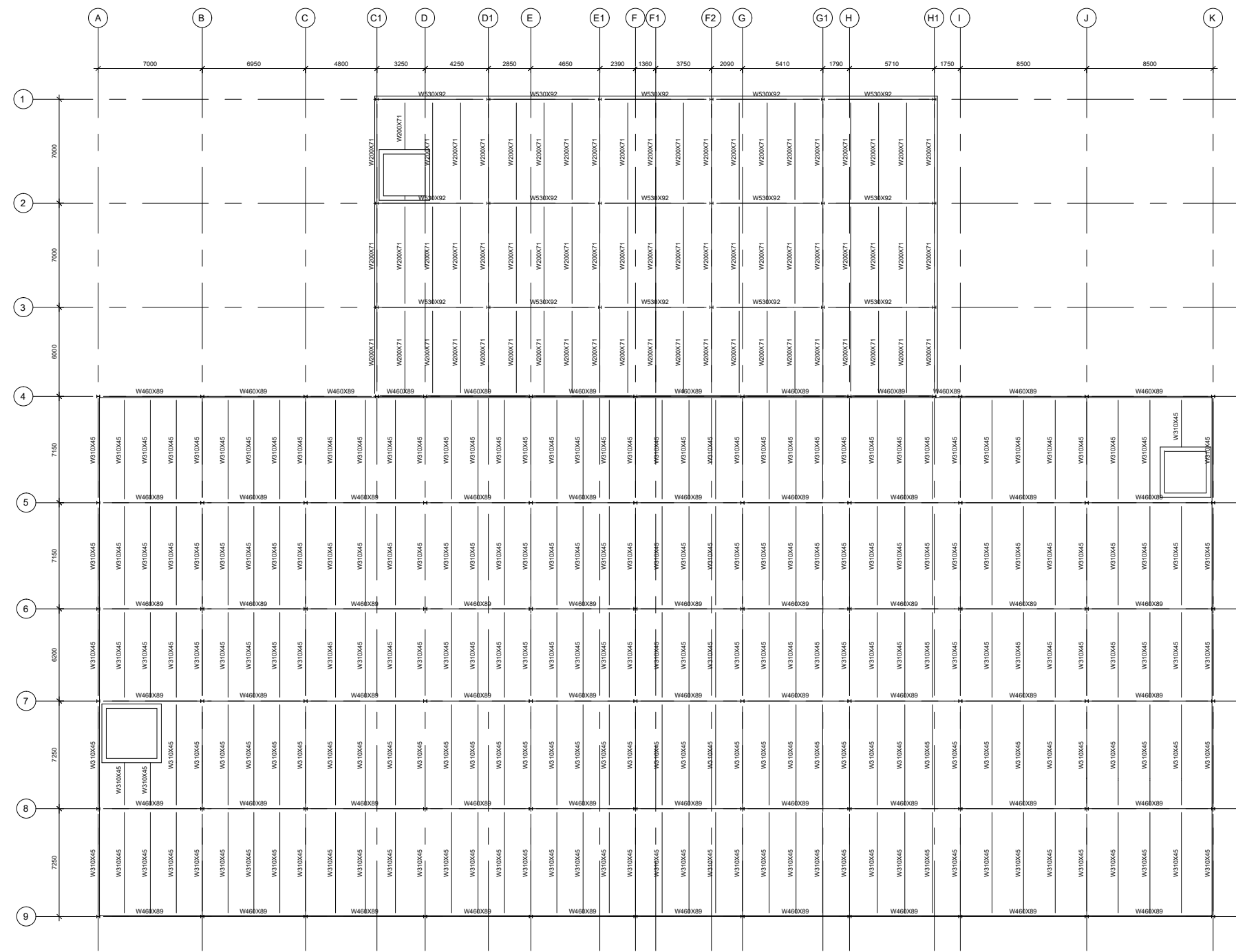


KEVIN LUONG  
DAVID MOORE  
REGAN O'HENLY  
OLIVIA PARSONS  
DESMOND YEUNG  
DAN ZHAO

LOCATION	
STONEY CREEK, ON	
PROJECT	
FRUITLAND VERTICAL FARM AND MARKETPLACE	
DRAWING TITLE	
LEVEL 1 FRAMING PLAN	
PROJECT No: 001	DRAWING No
DATE: MARCH 9, 2020	S2
SCALE: 1:300	
DRAWING BY: KL & DM	
APPROVED BY: KL & DM	

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION



1 LEVEL 2 FRAMING PLAN  
S3 1:300

**SECOND FLOOR FRAMING PLAN**

**NOTES:**

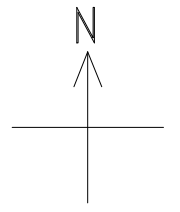
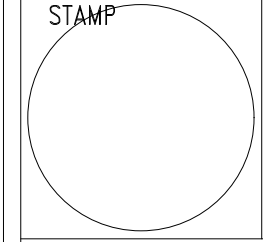
1. SECOND FLOOR DATUM ELEVATION +4000.00 mm RELATIVE TO THE GROUND FLOOR, EXCEPT OTHERWISE STATED.
2. DO NOT SCALE THE DRAWING.
3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE IN MILLIMETER.
4. SUPERIMPOSED LOADS USED IN DESIGN:  
DEAD LOAD: 1.72 kPa

5. LIVE LOAD: 4.8 kPa  
SELF WEIGHT OF STRUCTURE USED IN DESIGN:  
DECK & SLAB: 1.84 kPa  
FRAMING: 0.5 kPa
6. THICKNESS OF STEEL DECK AND CONCRETE SLAB:  
STEEL DECK: 1.12 mm  
CONCRETE SLAB: 90 mm
7. MAINTAIN THE SLAB THICKNESS, EXCEPT OTHERWISE STATED.
8. REFER TO DRAWING S1 FOR GENERAL NOTES.
9. REFER TO DRAWING S2-S6 FOR TYPICAL DETAILS.
10. REFER TO DRAWING S7-S8 FOR ELEVATION VIEW.

11. REFER TO DRAWING S9 FOR JOIST AND GIRDER SCHEDULE.
12. REFER TO DRAWING S10 FOR COLUMN SCHEDULE.
13. REFER TO DRAWING S11 FOR CONNECTION DETAILS.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

No.	DATE	DESCRIPTION
1	20/01/20	ISSUED FOR REVIEW



KEVIN LUONG  
DAVID MOORE  
REGAN O'HENLY  
OLIVIA PARSONS  
DESMOND YEUNG  
DAN ZHAO

**LOCATION**

STONEY CREEK, ON

**PROJECT**

FRUITLAND VERTICAL FARM AND MARKETPLACE

**DRAWING TITLE**

LEVEL 2 FRAMING PLAN

PROJECT No:  
001

DRAWING No

DATE:  
MARCH 9, 2020

SCALE:  
1:300

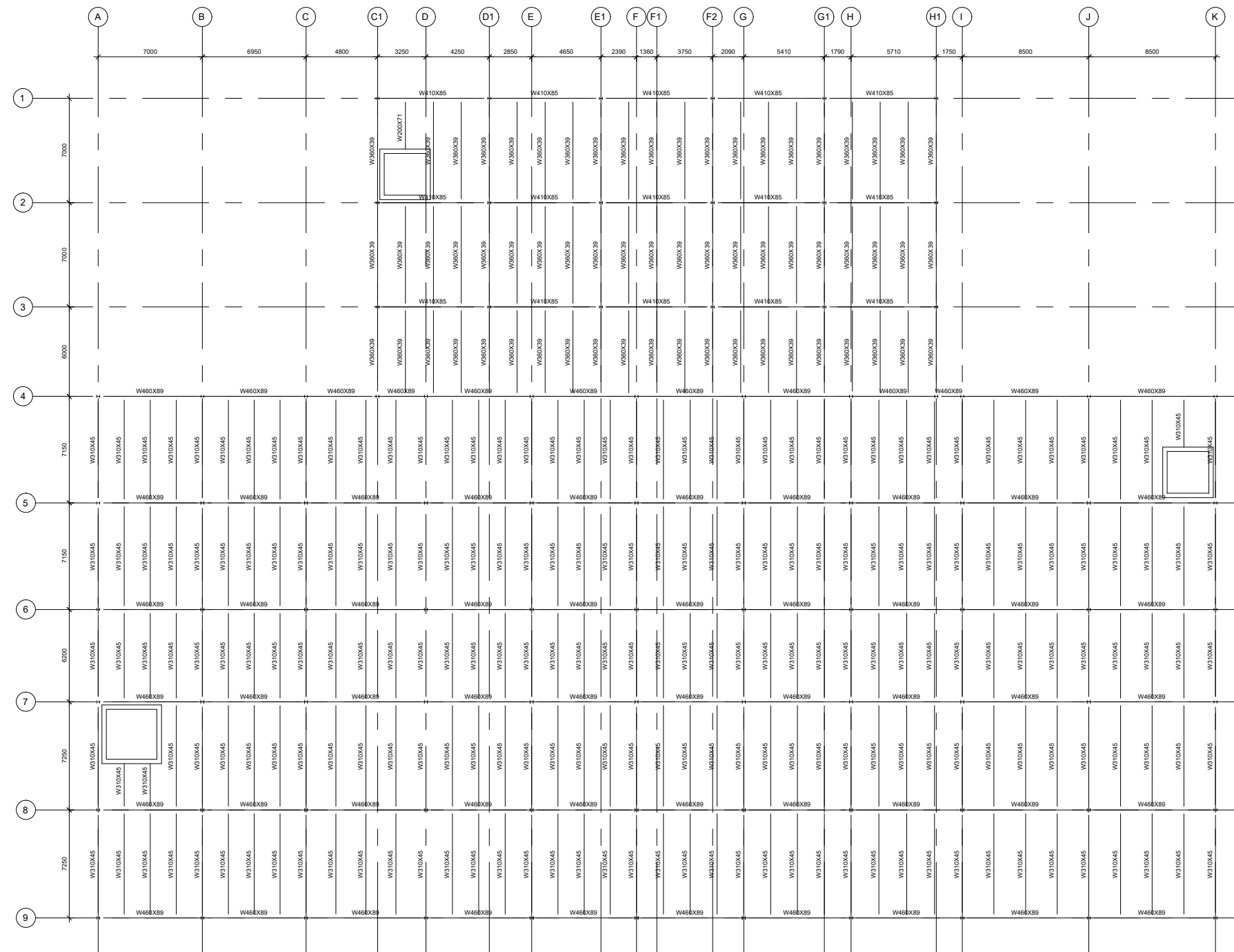
DRAWING BY:  
KL & DM

APPROVED BY:  
KL & DM

S3

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION



1 LEVEL 3 FRAMING PLAN  
S4 1:300

**THIRD FLOOR AND ROOF (MARKET PLACE) FRAMING PLAN**

**NOTES:**

- THIRD FLOOR AND MARKET PLACE'S ROOF DATUM ELEVATION +8000.00 mm RELATIVE TO THE GROUND FLOOR, EXCEPT OTHERWISE STATED.
- DO NOT SCALE THE DRAWING.
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE IN MILLIMETER.
- SUPERIMPOSED LOADS USED IN MAIN BUILDING DESIGN:  
DEAD LOAD: 1.72 kPa  
LIVE LOAD: 4.8 kPa

5. SELF WEIGHT OF STRUCTURE USED IN MAIN BUILDING DESIGN:  
DECK & SLAB: 1.84 kPa  
FRAMING: 0.5 kPa
6. THICKNESS OF STEEL DECK AND CONCRETE SLAB (MAIN BUILDING):  
STEEL DECK: 1.12 mm  
CONCRETE SLAB: 90 mm
7. MAINTAIN THE SLAB THICKNESS, EXCEPT OTHERWISE STATED.
8. SUPERIMPOSED LOADS USED IN ROOF (MARKET PLACE) DESIGN:  
DEAD LOAD: 0.32 kPa  
LIVE LOAD: 1.0 kPa  
SNOW & RAIN LOAD: 5.48 kPa

9. SELF WEIGHT OF STRUCTURE USED IN ROOF (MARKET PLACE) DESIGN:  
DECK: 0.3 kPa  
FRAMING: 0.5 kPa
10. THICKNESS OF STEEL DECK (MARKET PLACE):  
STEEL DECK: 1.12 mm
11. REFER TO ARCHITECTURAL DRAWING FOR ROOF SLOPE.
12. REFER TO DRAWING S1 FOR GENERAL NOTES.
13. REFER TO DRAWING S2-S6 FOR TYPICAL DETAILS.
14. REFER TO DRAWING S7-S8 FOR ELEVATION VIEW.
15. REFER TO DRAWING S9 FOR JOIST AND GIRDER SCHEDULE.
16. REFER TO DRAWING S10 FOR COLUMN SCHEDULE.
17. REFER TO DRAWING S11 FOR CONNECTION DETAILS.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

No.	DATE	DESCRIPTION
1	20/01/20	ISSUED FOR REVIEW

STAMP



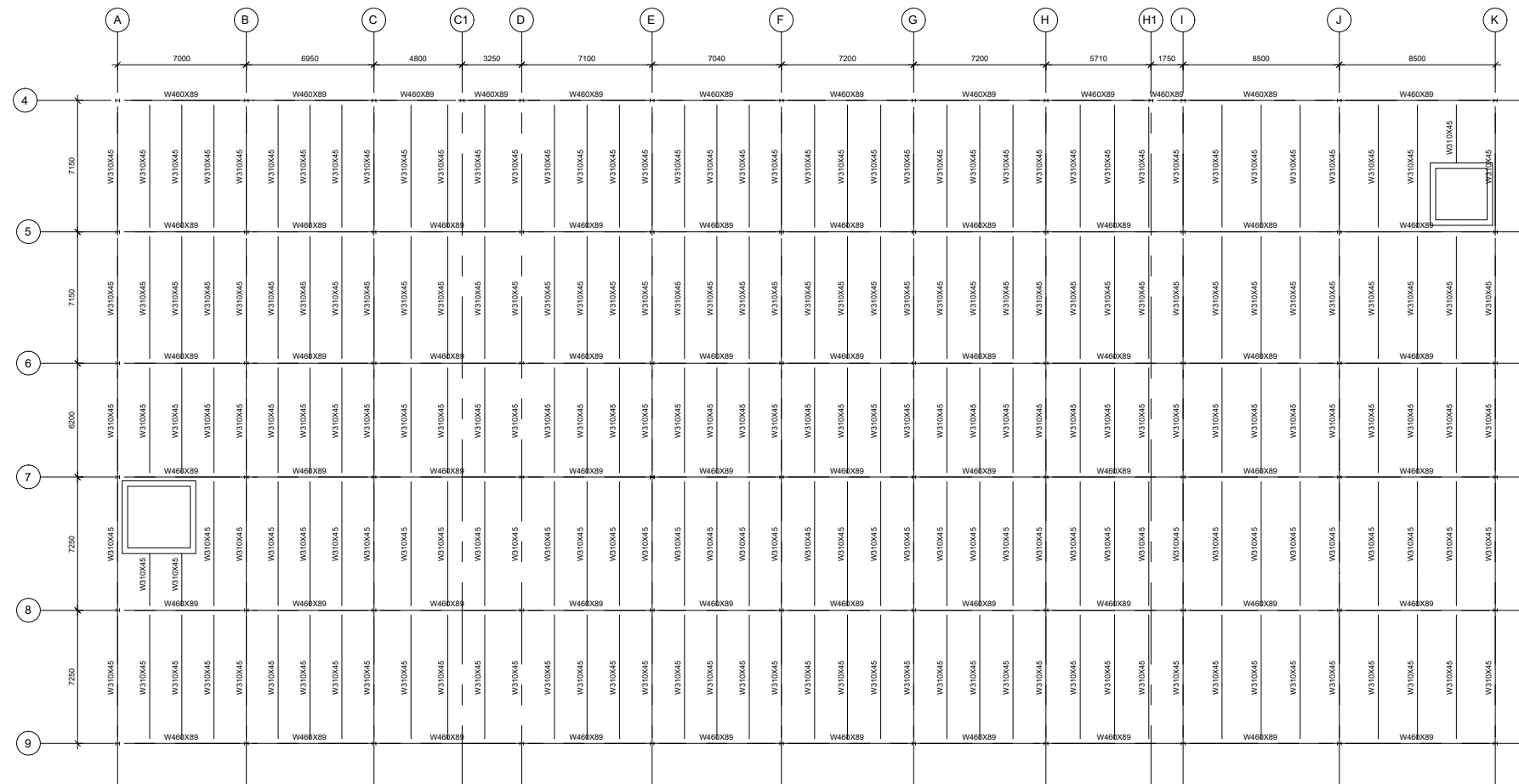
KEVIN LUONG  
DAVID MOORE  
REGAN O'HENLY  
OLIVIA PARSONS  
DESMOND YEUNG  
DAN ZHAO

LOCATION  
STONEY CREEK, ON

PROJECT  
FRUITLAND VERTICAL FARM AND MARKETPLACE

DRAWING TITLE  
LEVEL 3 FRAMING PLAN

PROJECT No: 001	DRAWING No
DATE: MARCH 9, 2020	S4
SCALE: 1:300	
DRAWING BY: KL & DM	
APPROVED BY: KL & DM	



1 LEVEL 4 FRAMING PLAN  
S5 1:300

FOUR FLOOR FRAMING PLAN

NOTES:

- FOUR FLOOR DATUM ELEVATION +12000.00 mm RELATIVE TO THE GROUND FLOOR, EXCEPT OTHERWISE STATED.
- DO NOT SCALE THE DRAWING.
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE IN MILLIMETER.
- SUPERIMPOSED LOADS USED IN DESIGN:  
DEAD LOAD: 1.72 kPa  
LIVE LOAD: 4.8 kPa

- SELF WEIGHT OF STRUCTURE USED IN DESIGN:  
DECK & SLAB: 1.84 kPa  
FRAMING: 0.5 kPa
- THICKNESS OF STEEL DECK AND CONCRETE SLAB:  
STEEL DECK: 1.12 mm  
CONCRETE SLAB: 90 mm
- MAINTAIN THE SLAB THICKNESS, EXCEPT OTHERWISE STATED.
- REFER TO DRAWING S1 FOR GENERAL NOTES.
- REFER TO DRAWING S2-S6 FOR TYPICAL DETAILS.
- REFER TO DRAWING S7-S8 FOR ELEVATION VIEW.
- REFER TO DRAWING S9 FOR JOIST AND GIRDER SCHEDULE.
- REFER TO DRAWING S10 FOR COLUMN SCHEDULE.
- REFER TO DRAWING S11 FOR CONNECTION DETAILS.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

No.	DATE	DESCRIPTION
1	20/01/20	ISSUED FOR REVIEW

STAMP

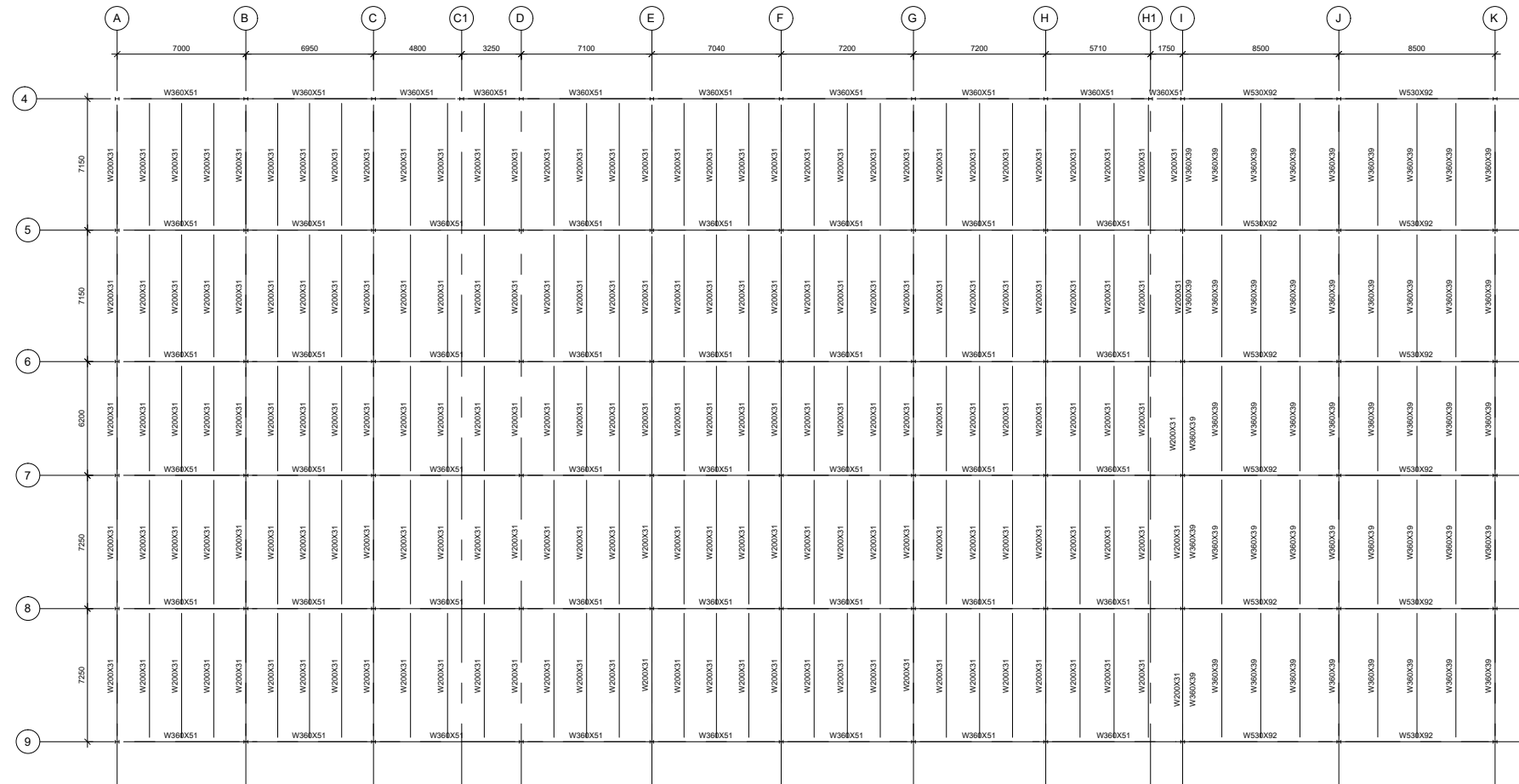


KEVIN LUONG  
DAVID MOORE  
REGAN O'HENLY  
OLIVIA PARSONS  
DESMOND YEUNG  
DAN ZHAO

LOCATION	
STONEY CREEK, ON	
PROJECT	
FRUITLAND VERTICAL FARM AND MARKETPLACE	
DRAWING TITLE	
LEVEL 4 FRAMING PLAN	
PROJECT No: 001	DRAWING No
DATE: MARCH 9, 2020	S5
SCALE: 1:300	
DRAWING BY: KL & DM	
APPROVED BY: KL & DM	

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION



1 ROOF FRAMING PLAN  
S6 1:300

**ROOF (MAIN BUILDING) FRAMING PLAN**

**NOTES:**

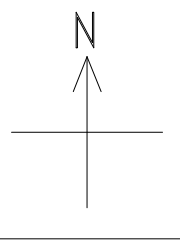
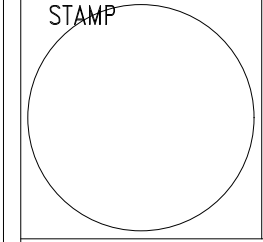
1. MAIN BUILDING'S ROOF DATUM ELEVATION +16000.00 mm RELATIVE TO THE GROUND FLOOR, EXCEPT OTHERWISE STATED.
2. DO NOT SCALE THE DRAWING.
3. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS SHALL BE IN MILLIMETER.
4. SUPERIMPOSED LOADS USED IN CURVED ROOF DESIGN:  
DEAD LOAD: 0.32 kPa  
LIVE LOAD: 1.0 kPa

5. SNOW & RAIN LOAD: 1.28 kPa
5. SELF WEIGHT OF STRUCTURE USED IN CURVED ROOF DESIGN:  
DECK 0.3 kPa  
FRAMING: 0.5 kPa
6. THICKNESS OF STEEL DECK OF CURVED ROOF:  
STEEL DECK: 0.76 mm
7. SUPERIMPOSED LOADS USED IN FLAT ROOF DESIGN:  
DEAD LOAD: 0.32 kPa  
LIVE LOAD: 1.0 kPa  
SNOW & RAIN LOAD: 5.48 kPa
8. SELF WEIGHT OF STRUCTURE USED IN FLAT ROOF DESIGN:  
DECK 0.3 kPa

- FRAMING: 0.5 kPa
9. THICKNESS OF STEEL DECK OF FLAT ROOF:  
STEEL DECK: 1.21 mm
10. REFER TO ARCHITECTURAL DRAWING FOR ROOF SLOPE.
11. REFER TO DRAWING S1 FOR GENERAL NOTES.
12. REFER TO DRAWING S2-S6 FOR TYPICAL DETAILS.
13. REFER TO DRAWING S7-S8 FOR ELEVATION VIEW.
14. REFER TO DRAWING S9 FOR JOIST AND GIRDER SCHEDULE.
15. REFER TO DRAWING S10 FOR COLUMN SCHEDULE.
16. REFER TO DRAWING S11 FOR CONNECTION DETAILS.

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

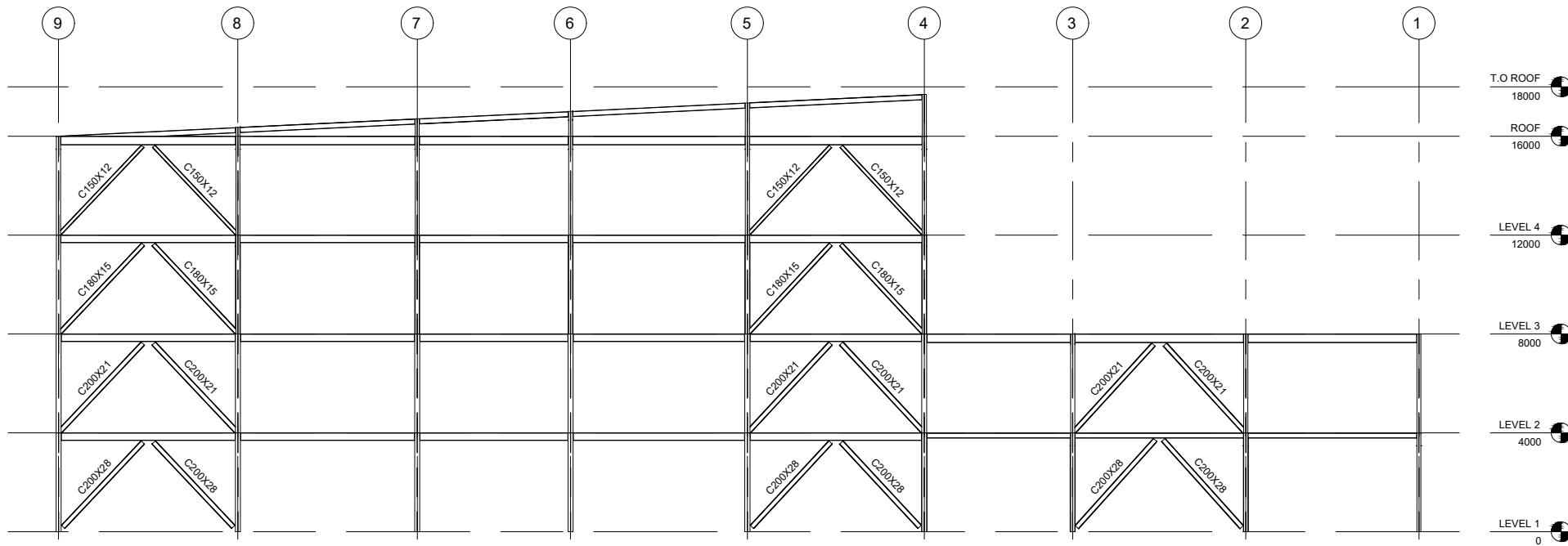
No.	DATE	DESCRIPTION
1	20/01/20	ISSUED FOR REVIEW



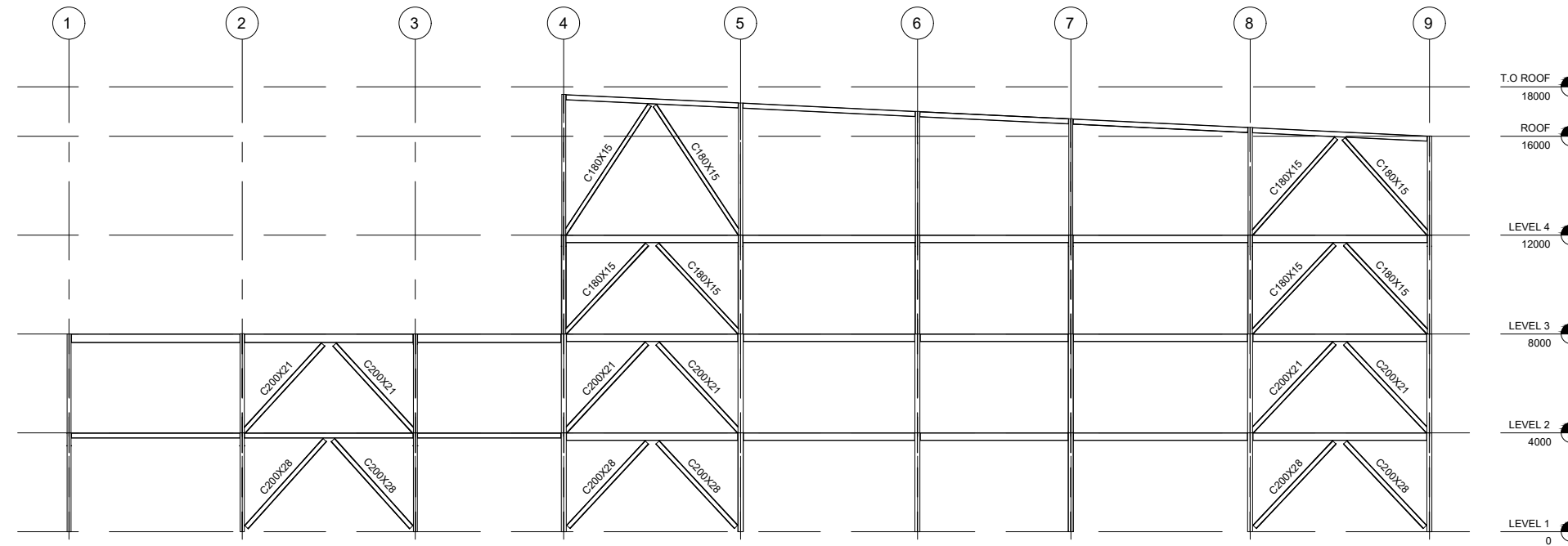
KEVIN LUONG  
DAVID MOORE  
REGAN O'HENLY  
OLIVIA PARSONS  
DESMOND YEUNG  
DAN ZHAO

LOCATION	
STONEY CREEK, ON	
PROJECT	
FRUITLAND VERTICAL FARM AND MARKETPLACE	
DRAWING TITLE	
ROOF FRAMING PLAN	
PROJECT No: 001	DRAWING No
DATE: MARCH 9, 2020	S6
SCALE: 1:300	
DRAWING BY: KL & DM	
APPROVED BY: KL & DM	

PRODUCED BY AN AUTODESK STUDENT VERSION



1 EAST ELEVATION  
S7 1:300



1 WEST ELEVATION  
S7 1:300

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

No.	DATE	DESCRIPTION
1	20/01/20	ISSUED FOR REVIEW

STAMP



KEVIN LUONG  
DAVID MOORE  
REGAN O'HENLY  
OLIVIA PARSONS  
DESMOND YEUNG  
DAN ZHAO

LOCATION	
STONEY CREEK, ON	
PROJECT	
FRUITLAND VERTICAL FARM AND MARKETPLACE	
DRAWING TITLE	
EAST AND WEST ELEVATION	
PROJECT No: 001	DRAWING No
DATE: MARCH 9, 2020	S7
SCALE: 1:300	
DRAWING BY: KL & DM	
APPROVED BY: KL & DM	

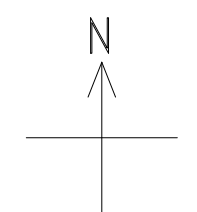
PRODUCED BY AN AUTODESK STUDENT VERSION



CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

No.	DATE	DESCRIPTION
1	20/01/20	ISSUED FOR REVIEW

STAMP



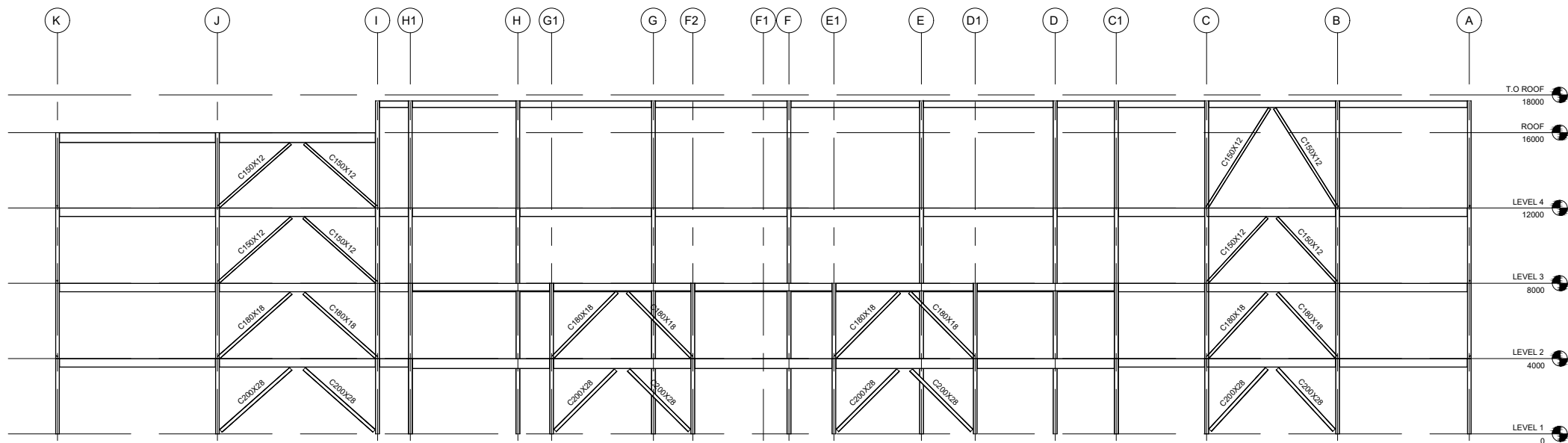

KEVIN LUONG  
DAVID MOORE  
REGAN O'HENLY  
OLIVIA PARSONS  
DESMOND YEUNG  
DAN ZHAO

LOCATION  
STONEY CREEK, ON

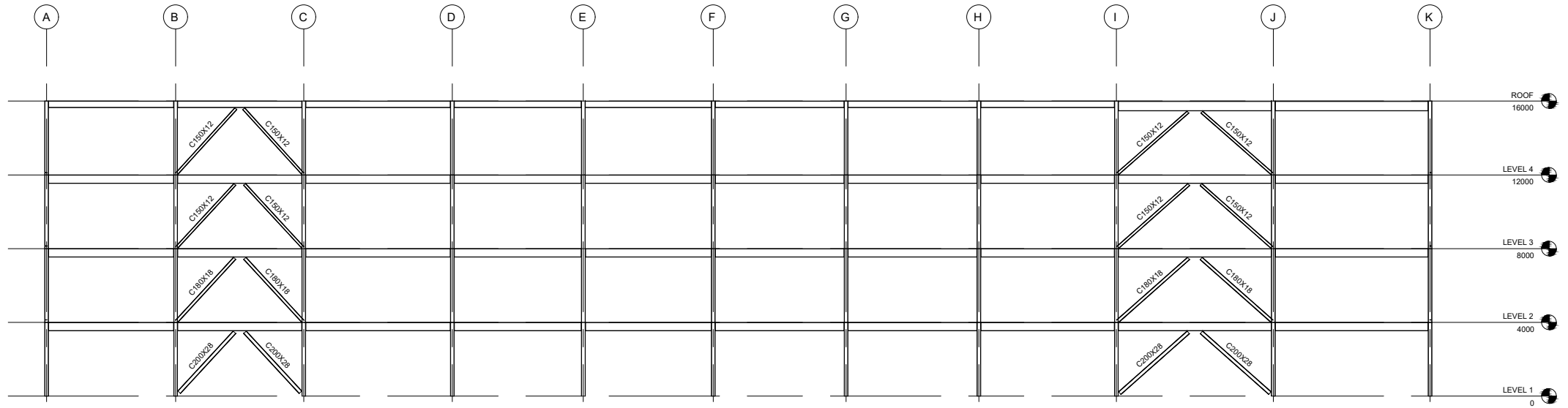
PROJECT  
FRUITLAND VERTICAL FARM AND MARKETPLACE

DRAWING TITLE  
NORTH AND SOUTH ELEVATION

PROJECT No: 001	DRAWING No
DATE: MARCH 9, 2020	S8
SCALE: 1:300	
DRAWING BY: KL & DM	
APPROVED BY: KL & DM	



1 NORTH ELEVATION  
S8 1:300



2 SOUTH ELEVATION  
S8 1:300

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

JOIST SCHEDULE								
REGION	SECTION	LOAD TYPE	M <sub>f</sub> (kNm)	M <sub>r</sub> (kNm)	V <sub>f</sub> (kN)	V <sub>r</sub> (kN)	Δ <sub>max</sub> (mm)	Δ <sub>limit</sub> (mm)
FLOOR (MARKET PLACE)	W200x71	GRAVITY	141	249	81	542	13.8	19.4
FLOOR (MAIN BUILDING)	W310x45	GRAVITY	172	219	95	423	18.5	20.1
CURVED ROOF (MAIN BUILDING)	W200x31	GRAVITY	58	104	32	275	13.3	20.1
		UPLIFT	17	38	10	275	-	-
FLAT ROOF (MAIN BUILDING)	W360x39	GRAVITY	149	205	82	470	18.4	20.1
		UPLIFT	10	45	6	470	-	-
ROOF (MARKET PLACE)	W360x39	GRAVITY	123	205	70	170	14.0	19.4
		UPLIFT	16	49	9	170	-	-

GIRDER SCHEDULE								
REGION	SECTION	LOAD TYPE	M <sub>f</sub> (kNm)	M <sub>r</sub> (kNm)	V <sub>f</sub> (kN)	V <sub>r</sub> (kN)	Δ <sub>max</sub> (mm)	Δ <sub>limit</sub> (mm)
FLOOR (MARKET PLACE)	W460x89	GRAVITY	608	624	243	996	8.6	20.8
FLOOR (MAIN BUILDING)	W530x92	GRAVITY	663	732	234	1114	20.4	23.6
CURVED ROOF (MAIN BUILDING)	W360x51	GRAVITY	258	277	96	523	15.4	22.4
		UPLIFT	27	90	10	523	-	-
FLAT ROOF (MAIN BUILDING)	W530x92	GRAVITY	697	732	246	1114	20.9	23.6
		UPLIFT	30	262	11	1114	-	-
ROOF (MARKET PLACE)	W410x81	GRAVITY	525	534	210	931	20.5	20.8
		UPLIFT	23	251	9	931	-	-

1	20/01/20	ISSUED FOR REVIEW
No.	DATE	DESCRIPTION

STAMP



KEVIN LUONG  
 DAVID MOORE  
 REGAN O'HENLY  
 OLIVIA PARSONS  
 DESMOND YEUNG  
 DAN ZHAO

LOCATION  
 STONEY CREEK, ON

PROJECT  
 FRUITLAND VERTICAL FARM AND MARKETPLACE

DRAWING TITLE  
 JOIST AND GIRDER SCHEDULE

PROJECT No: 001	DRAWING No
DATE: MARCH 9, 2020	S9
SCALE: -	
DRAWING BY: KL & DM	
APPROVED BY: KL & DM	

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION

T.O ROOF																			T.O ROOF
18000																			18000
ROOF																			ROOF
16000	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	16000
LEVEL 4																			LEVEL 4
12000	W200X42	W200X42	W200X42	W200X42	W200X42	W200X42	W200X52	W200X52	W200X52	W200X52	W200X52	W200X52	W200X52	W200X52	W200X42	W200X52	W200X52	W200X52	12000
LEVEL 3																			LEVEL 3
8000	W200X52	W200X52	W200X52	W200X52	W200X52	W200X52	W200X71	W200X71	W200X71	W200X71	W200X71	W200X42	W200X42	W200X42	W200X52	W200X71	W200X71	W200X71	8000
LEVEL 2																			LEVEL 2
4000	W200X52	W200X52	W200X52	W200X52	W200X52	W200X52	W200X86	W200X86	W200X86	W200X86	W200X86	W200X42	W200X42	W200X42	W200X52	W200X86	W200X86	W200X86	4000
LEVEL 1																			LEVEL 1
0																			0
Column Locations	A-4, B-4, C-4, I-4	A-5	A-6	A-7	A-8	A-9, B-9, C-9, D-9, E-9, F-9, G-9, H-9, I-9	B-5, C-5, D-5, E-5, F-5, G-5, H-5, I-5	B-6, C-6, D-6, E-6, F-6, G-6, H-6, I-6	B-7, C-7, D-7, E-7, F-7, G-7, H-7, I-7	B-8, C-8, D-8, E-8, F-8, G-8, H-8, I-8	C1-1, C1-3, D1-1, E1-1, F2-1, G1-1, H1-1, H1-2, H1-3, C1-2	C1-4, D-4, E-4, F-4, G-4, H-4, H1-4	D1-2, D1-3, E1-2, E1-3, F2-2, F2-3, G1-2, G1-3	J-4, J-9, K-4, K-5, K-6, K-7, K-8, K-9	J-5, J-6, J-7, J-8				

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

1	20/01/20	ISSUED FOR REVIEW
No.	DATE	DESCRIPTION

STAMP



KEVIN LUONG  
 DAVID MOORE  
 REGAN O'HENLY  
 OLIVIA PARSONS  
 DESMOND YEUNG  
 DAN ZHAO

LOCATION  
 STONEY CREEK, ON

PROJECT  
 FRUITLAND VERTICAL FARM AND MARKETPLACE

DRAWING TITLE  
 COLUMN SCHEDULE

PROJECT No: 001	DRAWING No
DATE: MARCH 9, 2020	S10
SCALE: 1:300	
DRAWING BY: KL & DM	
APPROVED BY: KL & DM	

CONTRACTOR MUST CHECK AND VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. ALL DRAWINGS AND SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT PROPERTY OF THE ENGINEER AND MUST BE RETURNED ON REQUEST

No.	DATE	DESCRIPTION
1	01/02/20	ISSUED FOR REVIEW

STAMP



KEVIN LUONG  
DAVID MOORE  
REGAN O'HENLY  
OLIVIA PARSONS  
DESMOND YEUNG  
DAN ZHAO

LOCATION  
STONEY CREEK, ON

PROJECT  
FRUITLAND VERTICAL FARM AND MARKETPLACE

DRAWING TITLE  
CONNECTION DETAILS

PROJECT No: 001	DRAWING No
DATE: MARCH 9, 2020	S11
SCALE: -	
DRAWING BY: KL & DM	
APPROVED BY: KL & DM	

GIRDER TO COLUMN CONNECTION 001 JOIST TO COLUMN CONNECTION 002 JOIST TO GIRDER - INTERIOR 003

SCALE: 1:25  
NOTE:  
BOLTS ARE 16 A325M C/W NUTS AND WASHERS  
CONNECTION IS SIMILAR FOR ALL FLOORS AND ROOF

SCALE: 1:25  
NOTE:  
BOLTS ARE 16 A325M C/W NUTS AND WASHERS  
CONNECTION IS SIMILAR FOR ALL FLOORS AND ROOF

SCALE: 1:25  
NOTE:  
BOLTS ARE 16 A325M C/W NUTS AND WASHERS  
CONNECTION IS SIMILAR FOR ALL FLOORS AND ROOF

JOIST TO GIRDER - EXTERIOR 004 SINGLE BRACE GUSSET PLATE 005 DOUBLE BRACE GUSSET PLATE 006

SCALE: 1:25  
NOTE:  
BOLTS ARE 16 A325M C/W NUTS AND WASHERS  
CONNECTION IS SIMILAR FOR ALL FLOORS AND ROOF

SCALE: 1:25  
NOTE:  
BOLTS ARE 20 A325M C/W NUTS AND WASHERS  
CONNECTION IS SIMILAR FOR ALL FLOORS AND ROOF  
GUSSET PLATE IS 10mm THICK

SCALE: 1:25  
NOTE:  
BOLTS ARE 20 A325M C/W NUTS AND WASHERS  
CONNECTION IS SIMILAR FOR ALL FLOORS AND ROOF  
GUSSET PLATE IS 10mm THICK

COLUMN SPLICE CONNECTION 007 BASE PLATE 008

SCALE: 1:10  
NOTE:  
BOLTS ARE 16 A325M C/W NUTS AND WASHERS  
THE COLUMN SPLICE CONNECTION IS FOR JOINING TWO DIFFERENT COLUMNS  
THE COLUMN PLATE IS 10 MM THICK AND IS MADE TO FIT LARGER COLUMN

SCALE: 1:10  
NOTE:  
ANCHORS ARE 300mm 16 A325M C/W NUTS AND WASHERS