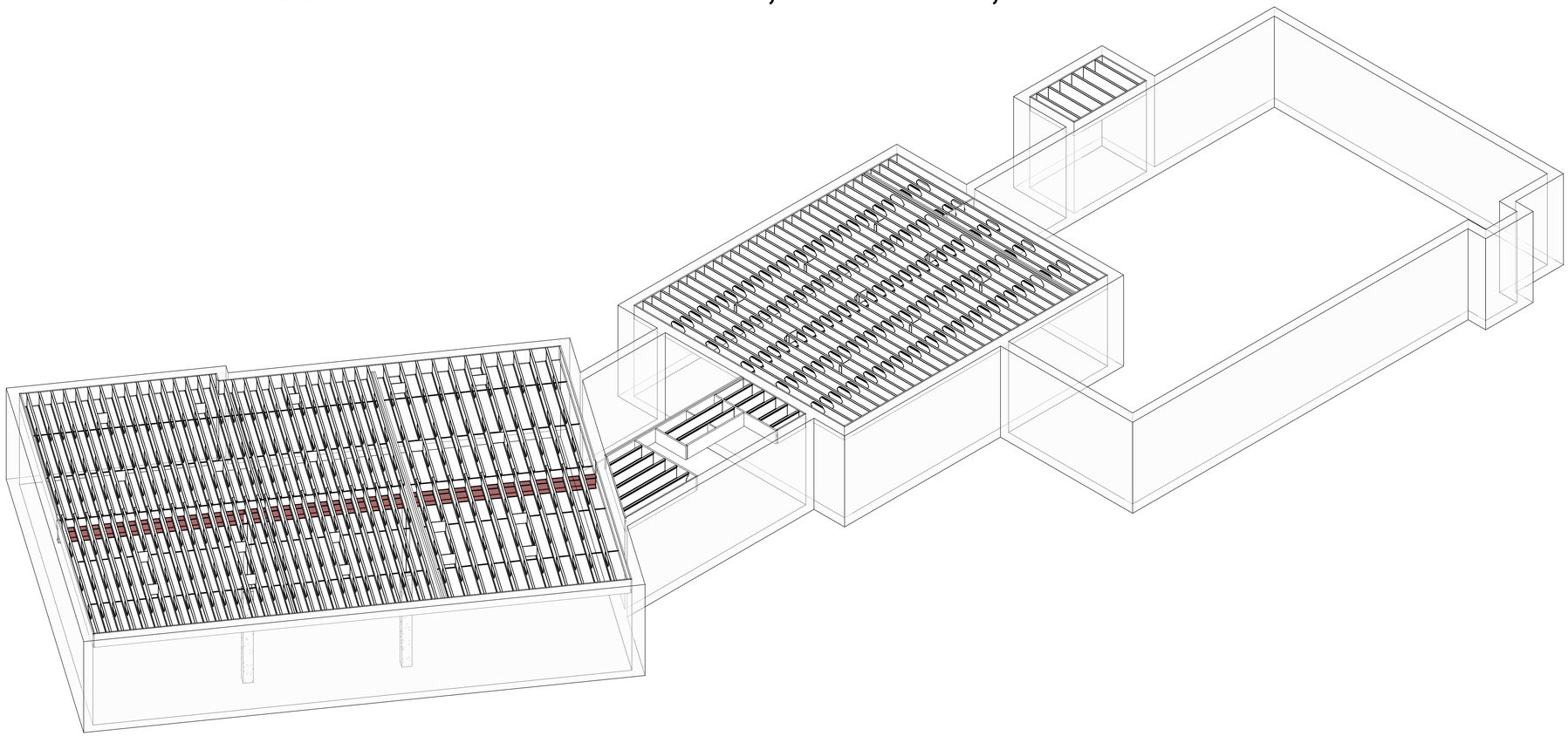
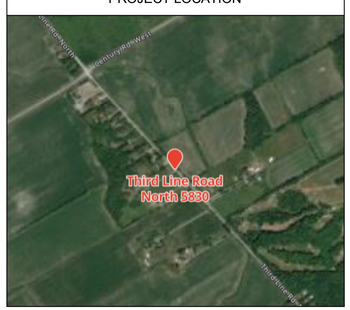
TOTALJOIST FRAMING FOR

CHAN RESIDENCE - ADDITION

5830 THIRD LINE ROAD, OTTAWA, ONTARIO



PROJECT LOCATION



SHEET LIST

SHEET NUMBER	CURRENT REVISION DATE	CURRENT REVISION	SHEET NAME
S.00	2022-06-06	3	COVER PAGE
S.100	2022-06-06	3	SCHEDULES
S.202	2022-06-06	3	2ND FLOOR FRAMING PLAN
S.202.1	2022-06-06	3	JOIST HOLE LAYOUT PLAN
S.300	2022-06-06	3	TOTAL JOIST FASTENING DETAILS
S.400	2022-06-06	3	FLOOR DETAILS

CONSULTANT DRAWING REVISION SCHEDULE

ARCHITECTURAL REVISION	ARCHITECTURAL REVISION DATE	ELECTRICAL REVISION	ELECTRICAL REVISION DATE	MECHANICAL REVISION	MECHANICAL REVISION DATE	STRUCTURAL REVISION	STRUCTURAL REVISION DATE
PERMIT SET	2021-09-27	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE	PERMIT SET	2021-09-08

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LICENSED PROFESSIONAL ENGINEER
S. REHMAN
100068645
2022-06-06
PROVINCE OF ONTARIO

NO.	ISSUE	DATE
3	ISSUED FOR CONSTRUCTION	2022-06-06
2	ISSUED FOR APPROVAL	2022-05-19
1	ISSUED FOR REVIEW	2022-05-12

iSPAN SYSTEMS

iSPAN SYSTEMS LP
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CLIENT NAME

JASON CHAN

PROJECT NAME

CHAN RESIDENCE - ADDITION

5830 THIRD LINE ROAD, OTTAWA, ONTARIO

SHEET NAME

COVER PAGE

DRAWN BY:	CHECKED:	CURRENT ISSUE:
H.S	**NL**	**ISSUED FOR CONSTRUCTION**

PROJECT NO.: **20221739**

DATE: **2022-05-06**

SCALE:

DRAWING NO.

S.00

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GENERAL NOTES

1.0 The design of the work displayed on these drawings is in accordance with the OBC 2012(R2020), CSA standard S136-16 North American standard for the design of cold formed steel structural members, CSA A23.3-14 design of concrete structures and CAN/CSA S16-19 design of steel structures.

2.0 These drawings are to be read in conjunction with the structural, architectural, mechanical, and electrical drawings. The owner (or appointed representative) and the contractor shall check the drawings for conflicts in dimensions and locations of building components related to the work shown on these drawings. Any discrepancies shall be reported to iSPAN systems LP before the start of the fabrication process.

3.0 Provision for future expansion or alterations:
3.01 The structure has not been designed for future lateral expansion.
3.02 The structure has not been designed for future vertical expansion.

4.0 The installer shall notify iSPAN Systems LP of any damage to product prior to it being installed and within 24 hours of delivery. iSPAN will address the damage promptly and / or agree on a solution to proceed at iSPAN's cost. If damaged product is installed or notification is given later than 24 hours from delivery, the installer shall be responsible for the cost of labour and material to repair damaged materials.

5.0 The engineer of record is responsible for the review of existing construction for the additional loads as per the proposed construction.

LOADING

1.0 General
1.01 The structure has been designed for the loads shown on these drawings only. No other loads have been considered in the design including, but not limited to, lateral loads, loads to support top of concrete / masonry walls, loads to brace beams by others, etc.
1.02 If additional loading is required that is not shown on these drawings, the consultant responsible for the design of the element imposing load shall provide the following to iSPAN:
i. Specified load magnitude and type.
ii. Specified load location at all locations where loads are imposed.

2.0 Gravity Loads

Roof / Terrace Loads	
Live load	100 psf [4.8 KPa]
Snow load	50.1 psf [2.4kPa] + DRIFT
Dead load	25 psf [1.2 kPa]
Floors	
Live Loads	
Storage	100 psf [4.8 KPa]
Dead Loads	
TJ	15 psf [0.72 KPa]

2.01 See plans for special loading areas.

3.0 Lateral Loads

3.01 Design of lateral force resisting system, including vertical (e.g., shear walls) and horizontal (e.g., diaphragm, collectors, drag struts) lateral force resisting systems by others.

3.02

DEFLECTION LIMITS			
FLOOR		**ROOF**	
LIVE LOAD	L/480	LIVE LOAD	L/360
TOTAL LOAD	L/240	TOTAL DEAD	L/180

MATERIAL

1.0 Miscellaneous Metals
1.01 All miscellaneous materials shall be designed by others. Where loads are imposed on the structure from the miscellaneous materials, the designer of the miscellaneous materials shall inform iSPAN of location(s), load type and magnitude of all loads.
1.02 Elements not specified upon these drawings shall be deemed as miscellaneous metals.
1.03 Examples of miscellaneous materials include, but are not limited to, ladders, railings, stair stringers, risers, treads, permanent seating and associated framing, permanent shelving and associated framing, grating, framing to support finishing materials, etc.

2.0 CFS Material
2.01 18ga joists: ASTM A653 SS grade 50.
2.02 16ga and 14ga joists: ASTM A653 HSLAS grade 60
2.03 Galvanized coating thickness is minimum G60
2.04 All other sheet metal: ASTM A653 SS grade 50 U.N.O.

3.0 Structural Steel
3.01 Shapes shall conform to CAN/CSA - G40.21-13 (R2018) grade 350W U.N.O.
3.02 Hollow structural steel sections shall conform to CSA - G40.21-13 (R2018) grade 350W or ASTM A500 grade C.
3.03 Base plates and embedded plates conform to CSA - G40.21-13 (R2018) grade 350W.

4.0 Fasteners
4.01 Anchor bolts conform to ASTM A307 grade C.
4.02 Structural bolts, nuts and washers conform to ASTM F3125 A325.
4.03 Sheet steel screws shall be ITW self drilling, self tapping screws or equivalent.
4.04 All sheet steel screws and connectors shall be corrosion resistant. Minimum coating [0.0007" (0.0178mm)] of mechanical zinc.

5.0 Welded Connections
5.01 Arc welding shall be performed by a fabricator certified in accordance with CSA W47.1. Welder shall possess a CWB approved procedure for the welding type and position being performed.
5.02 Arc welds thickness from [1/32" (0.76mm)] to [1/8" (3mm)]: welding shall conform to the requirements of CSA S136-12 and shall be performed with the applicable requirements of CSA W59.
5.03 When welding thicknesses over [1/8" (3mm)], welding shall conform to CSA W59.

EXECUTION

1.0 General
1.01 Fabrication and erection shall conform to the approved shop drawings. Modifications required to accommodate as-built conditions shall be submitted to iSPAN for approval prior to making modifications.
1.02 Any unauthorized modifications shall be repaired in accordance with iSPAN and /or the engineer of record direction at the contractor's expense, including labour, materials, and engineering cost.

2.0 Fasteners And Welds
2.01 Ensure that connected parts are in contact. provide clamping before welding or mechanically fastening as required.
2.02 Companies engaged in welding shall be certified by the Canadian Welding Bureau, see 'materials, section 5.0' for details.
2.03 Touch-up welds and coatings damaged by welding with zinc rich paint according to ASTM A-780.
2.04 Penetration of sheet metal screws beyond joined materials shall be not less than 3 exposed threads. Sheet metal screw installation shall conform to the manufacturer's recommendations.
2.05 Screws shall not be placed closer than 3 times the diameter from the edge of any part nor shall they be closer than 3 times the diameter to adjacent screws.
2.06 Sheet metal screws covered by sheathing materials shall have low profile heads.
2.07 Install concrete anchors in accordance with manufacturer's recommendations, including drilling and cleaning procedures, minimum edge distance and minimum anchor spacing. (See iSPAN details for minimum anchor embedment as required).

3.0 Handling And Storage Of Materials
3.01 Products shall be protected from conditions that may cause physical damage or corrosion.
3.02 Handling and lifting of prefabricated panels and joists shall not cause permanent distortion to any member or collateral material.

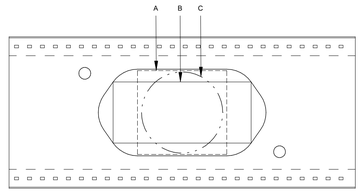
4.0 Erection
4.01 Methods of construction may be either piece by piece (stick-built) or by fabrication into panels (panelized) either on or off site.
4.02 Do not exceed design loads during construction.
4.03 Temporary bracing shall be employed wherever necessary to withstand all loads to which the structure may be subject to during erection and subsequent construction. Temporary bracing shall be left in place as long as required for the safety and integrity of the structure. The erector shall ensure that during the erection, a margin of safety consistent with the requirements of the OBC and CSA S136 exists in the uncompleted structure.
4.04 Framing shall be erected according to CSSBI-50m under the direct supervision of an approved and qualified foreman.
4.05 Do not cut openings in framing members except when approved in writing by iSPAN. Cutting of steel members, when approved, shall be by saw or shear, torch cutting is not permitted.
4.06 For the purposes of this section, camber is defined as the deviation from straightness of a member or any portion of a member with respect to its major axis, and sweep is defined as the deviation from straightness of a member or any portion of a member with respect to its minor axis.
i. For joists, sweep shall not exceed 1/720 of the member length.
4.07 Align web cut-outs in joists for the installation of services.
4.08 Make all field measurements necessary to ensure the proper fit of all members.
4.09 Members with localized damage are to be replaced unless a written repair detail is provided by iSPAN. any damage shall be brought to attention of iSPAN immediately upon observation. Do not proceed until damage has been reviewed and direction has been provided in writing by iSPAN.
4.10 For variances of underside of joist elevation, the drywall contractor shall include shimming (including labour and materials) within their scope.

LIST OF ABBREVIATIONS

ABBREVIATION	DEFINITION
@	AT
A.Bolt	ANCHOR BOLT
B.PL	BASE (BEARING) PLATE
B.F.	BOTTOM FACE
BBO	BEAM BY OTHERS
BLDG	BUILDING
c/c, o/c or o.c.	CENTER TO CENTER
CA OR PA	COLUNN, POST ABOVE
CANT	CANTILEVER
CBO	COLUMN BY OTHERS
CFS	COLD FORMED STEEL
CL	CENTER LINE
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
DIM	DIMENSION
DJ	DOUBLE JOIST
DL	DEAD LOAD
DO	DITTO
DWG(S)	DRAWING(S)
E.E.	EACH END
E.F.	EACH FACE
EA	EACH
EL	ELEVATION
EQ	EQUAL
EXIST	EXISTING
EXT	EXTERIOR
F.F.	FAR FACE
F.F.E.	FINISH FLOOR ELEVATION
FDN	FOUNDATION
FIN	FINISHED
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GT	GIRDER TRUSS
INT	INTERIOR
kg	KILOGRAM
Kip	1000 LBS
kN	KILONEWTON
kN-m	KILONEWTON METER
kN/m	KILONEWTON PER METER

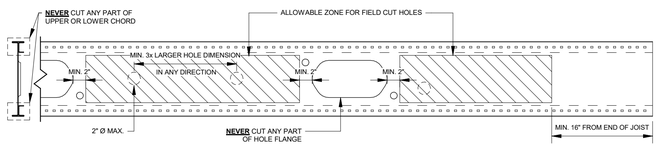
LIST OF ABBREVIATIONS

ABBREVIATION	DEFINITION
kN/m²	KILONEWTON PER SQUARE METER
kPa	KILOPASCAL
Ksi	1000 Psi
lbs	POUNDS
LL	LIVE LOAD
M	METRE
MAX	MAXIMUM
MC	MOMENT CONNECTION
MEZZ	MEZZANNINE
MIN	MINIMUM
MISC	MISCELLANEOUS
MPa	MEGAPASCAL
N	NEWTON
N.F.	NEAR FACE
NBI	NOT BY iSPAN
No	NUMBER
NTS	NOT TO SCALE
OSB	ORIENTED STRAND BOARD
Pa	PASCAL
PL	PLATE
Psi	POUNDS PER SQUARE INCH
REF	REFERENCE
REQ'D	REQUIRED
REV	REVISION, REVISED
S.I.	SHOP INSTALLED
SL	SNOW LOAD
SPEC'S	SPECIFICATIONS
SQ	SQUARE
STD	STANDARD
T&B	TOP AND BOTTOM
T.F.	TOP FACE
T.O.	TOP OF
TBC	TO BE COORDINATED
TJ	TIE JOIST
TYP	TYPICAL
U/N, UNO	UNLESS NOTED OTHERWISE
U/S	UNDERSIDE
W.C.	CENTERED IN WALL
WL	WIND LOAD
Ø	DIAMETER



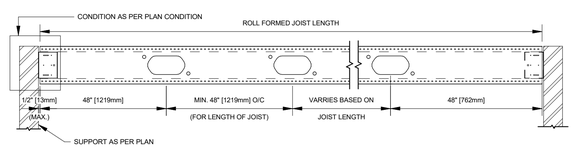
HOLE SIZING

JOIST DEPTH	A WIDTH	A HEIGHT	B WIDTH	B HEIGHT	C DIAMETER
8" [203mm]	2-1/4" [57mm]	2" [51mm]	3-1/4" [83mm]	1-3/8" [35mm]	2" [51mm]
9-1/2" - 10" [241mm-254mm]	4" [102mm]	3-1/2" [89mm]	6" [152mm]	2-1/4" [57mm]	3-1/2" [89mm]
11-7/8" - 12" [302mm-305mm]	6-5/8" [168mm]	6" [152mm]	9-7/8" [251mm]	4" [102mm]	6" [152mm]
14" [356mm]	8-1/4" [210mm]	8" [203mm]	12-3/4" [324mm]	5-5/8" [143mm]	8" [203mm]
16" [406mm]	9" [229mm]	10" [254mm]	14-5/8" [371mm]	6-7/8" [175mm]	10" [254mm]



NOTES:
1) MAX 4 HOLES IN ANY SINGLE ZONE.
2) LARGER HOLES MAY BE ACCOMODATED, CONTACT iSPAN SYSTEMS LP.
3) HOLES SHALL BE MADE BY SAW OR DRILL. TORCH OR PLASMA CUTTING SHALL NOT BE USED.
4) FOR SQUARE OR RECTANGULAR SHAPED HOLES, ALWAYS ROUND CORNERS.

3 TOTALJOIST - FIELD CUT HOLE ALLOWANCES



NOTES:
1. SERVICE HOLES ARE LOCATED 48" [1219mm] FROM MEMBER ENDS, AND 48" [1219mm] O/C FOR, UNLESS SPECIFIED OTHERWISE
2. SEE PLANS FOR SPECIFIC HOLE LOCATIONS NOTED FOR SERVICE COORDINATION

JOIST HOLE LOCATIONS - TOTAL JOIST

GENERAL INFO

14-tr-3
GAUGE
JOIST TYPE - "tr" COMPOSITE
- "I" NON COMPOSITE
JOIST DEPTH

LICENSED PROFESSIONAL ENGINEER
O. REHMAN
100068645
2022-06-03
PROVINCE OF ONTARIO

NO.	ISSUE	DATE
3	ISSUED FOR CONSTRUCTION	2022-06-06
2	ISSUED FOR APPROVAL	2022-05-19
1	ISSUED FOR REVIEW	2022-05-12

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CLIENT NAME
JASON CHAN

PROJECT NAME
CHAN RESIDENCE - ADDITION
5830 THIRD LINE ROAD, OTTAWA, ONTARIO

SHEET NAME
SCHEDULES

DRAWN BY:	CHECKED:	CURRENT ISSUE:
H.S	**NL**	**ISSUED FOR CONSTRUCTION**

PROJECT NO.: **20221739**
DATE: **2022-05-06**
SCALE: **As indicated**
DRAWING NO. **S.100**

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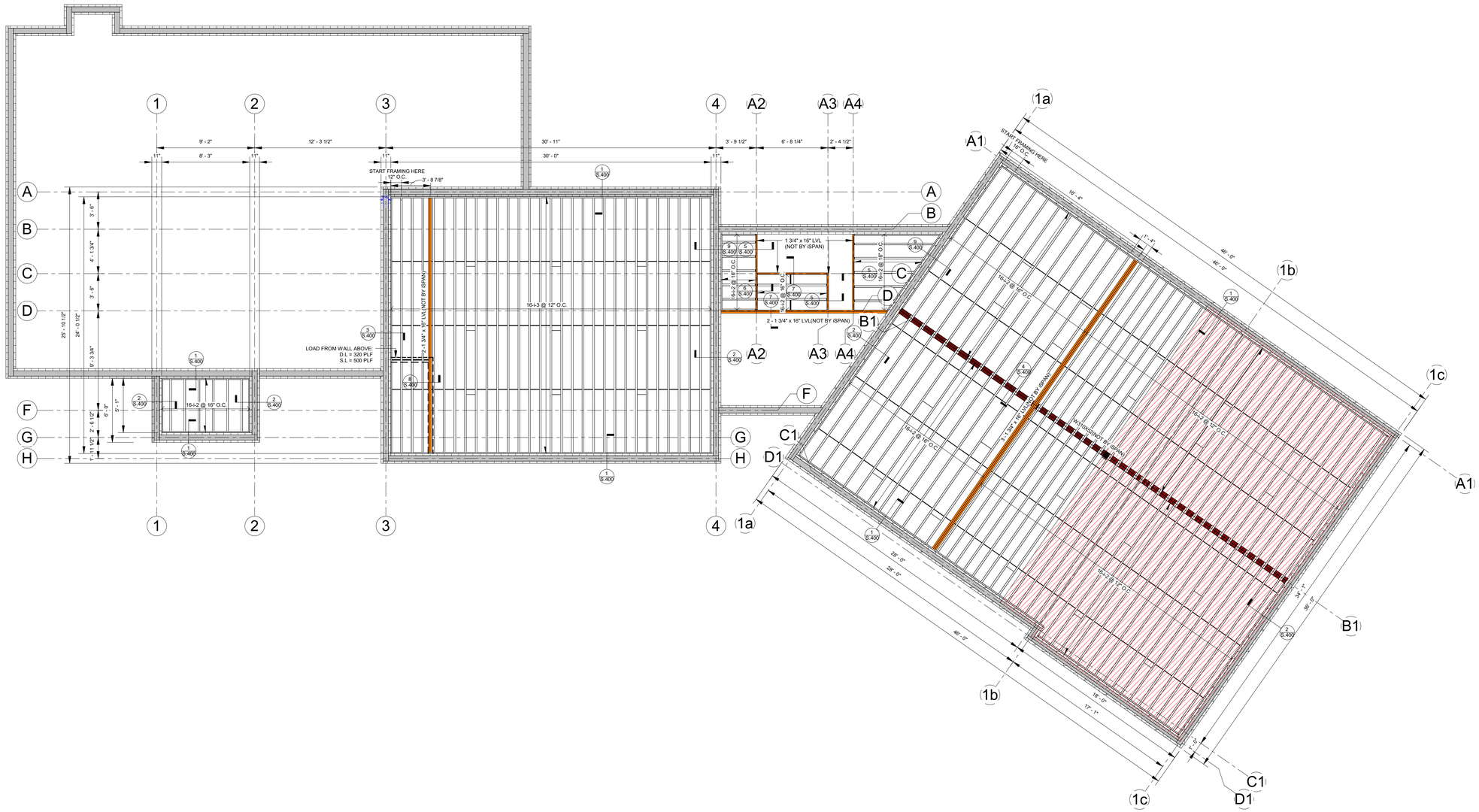


1 2ND FLOOR FRAMING LAYOUT
3/16" = 1'-0"

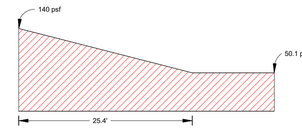
LEGEND:

- LVL (NOT BY iSPAN)
- ICF WALL (NOT BY iSPAN)
- BEAM (NOT BY iSPAN)
- DETAIL #
- PAGE #
- BRIDGING
- SOLID BLOCKING
- RIM BOARD BLOCKING
- WALL ABOVE
- POST ABOVE

DECK
D1- TOTAL-DECK
D2- [2"]COMPOSITE DECKING [CANAM P3623 0.048"]

JOISTS
14-2=3

(SPAN DIRECTION)
(FRAMING EXTENT)
"MEMBER TYPE"
GAUGE
JOIST TYPE - "ic" COMPOSITE
- "I" NON COMPOSITE
JOIST DEPTH



SNOW DRIFT DIAGRAM (SD-1)

LICENSED PROFESSIONAL ENGINEER
G. REHMAN
100068645
2022-06-06
PROVINCE OF ONTARIO

NO.	ISSUE	DATE
3	ISSUED FOR CONSTRUCTION	2022-06-06
2	ISSUED FOR APPROVAL	2022-05-19

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CLIENT NAME
JASON CHAN

PROJECT NAME
CHAN RESIDENCE - ADDITION
5830 THIRD LINE ROAD, OTTAWA, ONTARIO

SHEET NAME
2ND FLOOR FRAMING PLAN

SUMMARY:

FRAMING TYPE:	**TOTALJOIST**
DECK TYPE:	
TOPPING TYPE:	**PLYWOOD**
TOPPING THICKNESS:	**3/4" U.N.O.**
T.O. CONCRETE ELEVATION:	
T.O. STEEL ELEVATION:	**3/4" BELOW TOP OF SLAB U.N.O.**

DRAWN BY:	CHECKED:	CURRENT ISSUE:
H.S	**NL**	**ISSUED FOR CONSTRUCTION**

PROJECT NO.: **20221739**
DATE: **2022-05-06**
SCALE: **As indicated**
DRAWING NO. **S.202**

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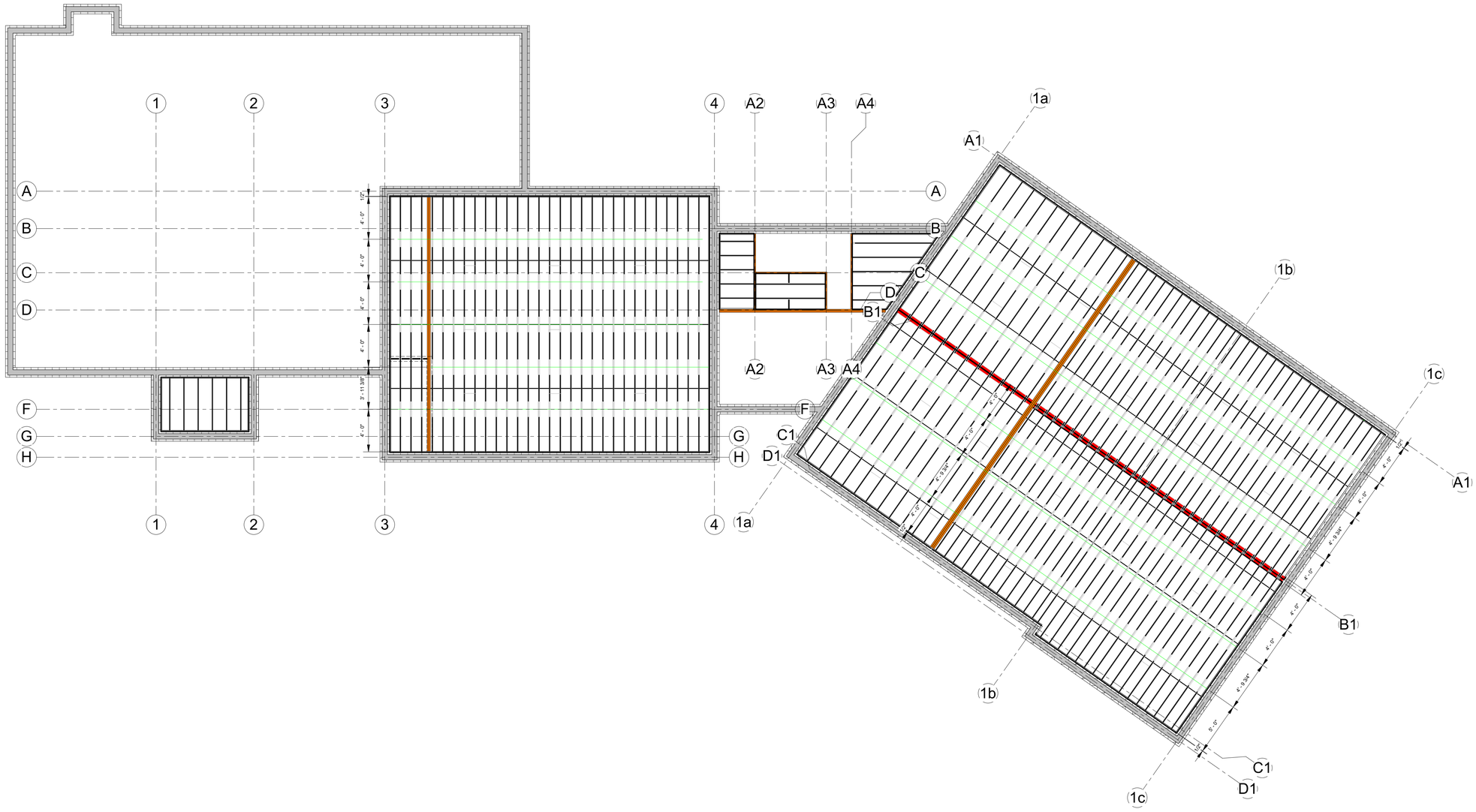


1 02 - T.O. 2ND FLOOR HOLE CHECK

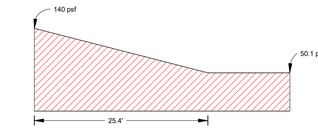
LEGEND:

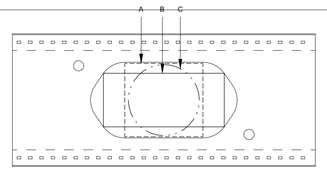
- LVL (NOT BY iSPAN)
- ICF WALL (NOT BY iSPAN)
- BEAM (NOT BY iSPAN)
- DETAIL #
- PAGE #
- BRIDGING
- SOLID BLOCKING
- RIM BOARD BLOCKING
- WALL ABOVE
- POST ABOVE

DECK
D1 - TOTAL-DECK
D2- [2"]COMPOSITE DECKING [CANAM P3623 0.048"]

JOISTS
14-S-2-3
- GAUGE
- JOIST TYPE - "c" COMPOSITE, - "I" NON COMPOSITE
- JOIST DEPTH

"MEMBER TYPE"
(SPAN DIRECTION)
(FRAMING EXTENT)





HOLE SIZING					
JOIST DEPTH	A		B		C DIAMETER
	WIDTH	HEIGHT	WIDTH	HEIGHT	
8" [203mm]	2-1/4" [57mm]	2" [51mm]	3-1/4" [83mm]	1-3/8" [35mm]	2" [51mm]
9-1/2" - 10" [241mm-254mm]	4" [102mm]	3-1/2" [89mm]	6" [152mm]	2-1/4" [57mm]	3-1/2" [89mm]
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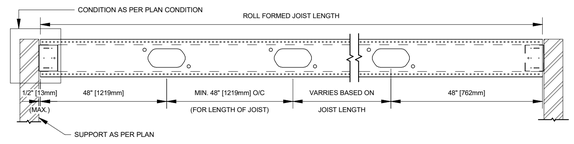
14" [356mm]	8-1/4" [210mm]	8" [203mm]	12-3/4" [324mm]	5-5/8" [143mm]	8" [203mm]
16" [406mm]	9" [229mm]	10" [254mm]	14-5/8" [371mm]	6-7/8" [175mm]	10" [254mm]

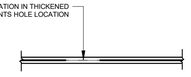
HOLE SIZING/PLACEMENT



NOTES:
1. SERVICE HOLES ARE LOCATED 48" [1219mm] FROM MEMBER ENDS, AND 48" [1219mm] O/C FOR, UNLESS SPECIFIED OTHERWISE
2. SEE PLANS FOR SPECIFIC HOLE LOCATIONS NOTED FOR SERVICE COORDINATION

JOIST HOLE LOCATIONS - TOTAL JOIST

NOTES:
- DIMENSIONS ARE TAKEN FROM STRUCTURAL SUPPORT TO START OF ROLL FORMED JOIST SECTION , AND THEN TO HOLE EACH LOCATION



NO.	ISSUE	DATE
3	ISSUED FOR CONSTRUCTION	2022-06-06
2	ISSUED FOR APPROVAL	2022-05-19
1	ISSUED FOR REVIEW	2022-05-12

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CLIENT NAME
JASON CHAN

PROJECT NAME
CHAN RESIDENCE - ADDITION
5830 THIRD LINE ROAD, OTTAWA, ONTARIO

SHEET NAME
JOIST HOLE LAYOUT PLAN

DRAWN BY:	CHECKED:	CURRENT ISSUE:
NL	NL	ISSUED FOR CONSTRUCTION

PROJECT NO.: 20221739
DRAWING NO. S.202.1
DATE: 2022-05-06
SCALE: As indicated

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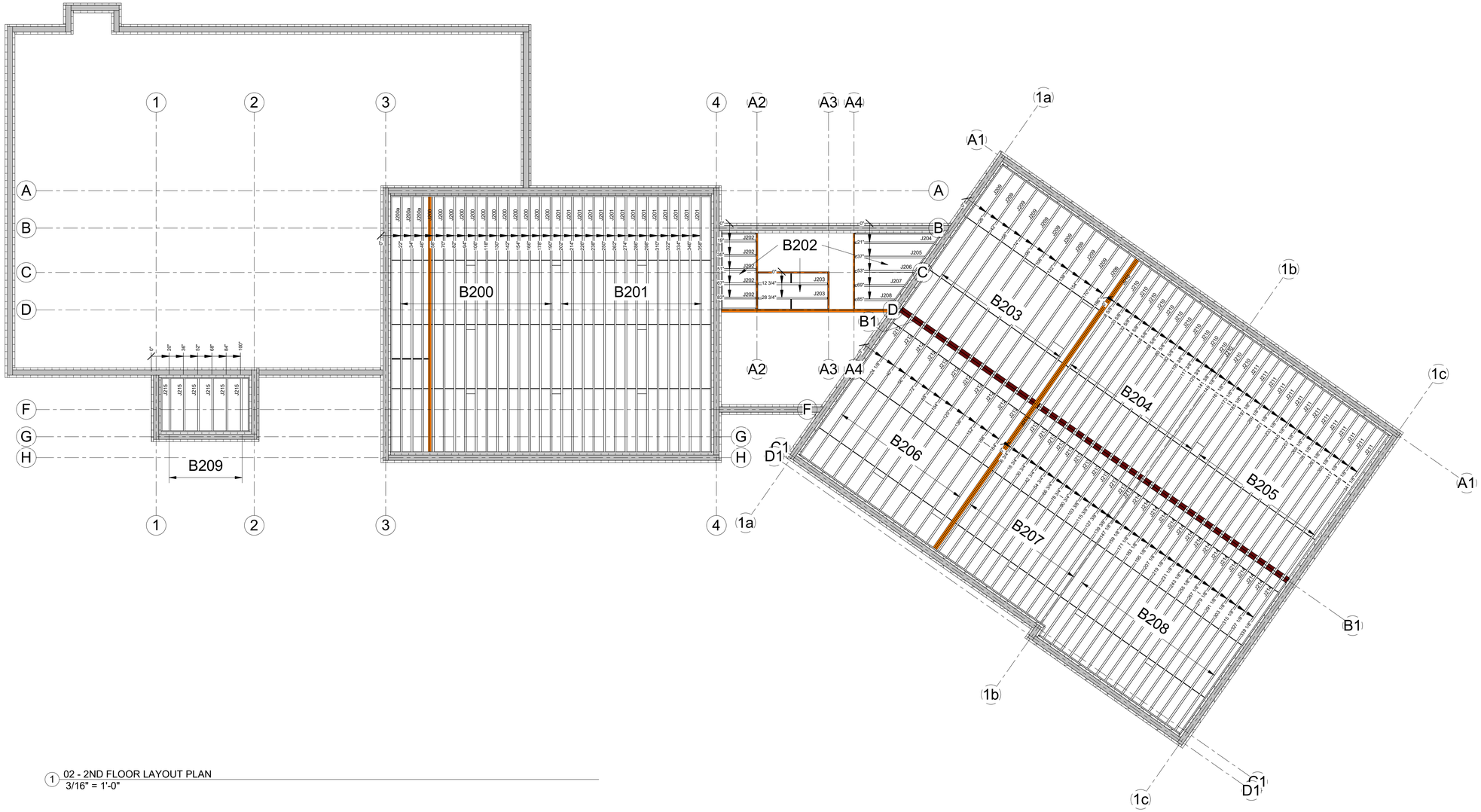


1 02 - 2ND FLOOR LAYOUT PLAN
3/16" = 1'-0"

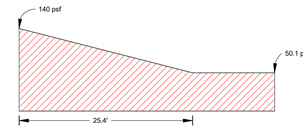
LEGEND:

- LVL (NOT BY iSPAN)
- ICF WALL (NOT BY iSPAN)
- BEAM (NOT BY iSPAN)
- DETAIL #
- PAGE #
- BRIDGING
- SOLID BLOCKING
- RIM BOARD BLOCKING
- WALL ABOVE
- POST ABOVE

DECK
D1- TOTAL-DECK
D2- [2"]COMPOSITE DECKING [CANAM P3623 0.048"]

JOISTS
14-in-3
- GAUGE
- JOIST TYPE - "c" COMPOSITE / - "i" NON COMPOSITE
- JOIST DEPTH

(SPAN DIRECTION) (FRAMING EXTENT) "MEMBER TYPE"



NO.	ISSUE	DATE
3	ISSUED FOR CONSTRUCTION	2022-06-06

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CLIENT NAME
JASON CHAN

PROJECT NAME
CHAN RESIDENCE - ADDITION
5830 THIRD LINE ROAD, OTTAWA, ONTARIO

SHEET NAME
2ND FLOOR LAYOUT PLAN

SUMMARY:

FRAMING TYPE:	**TOTALJOIST**
DECK TYPE:	
TOPPING TYPE:	**PLYWOOD**
TOPPING THICKNESS:	**3/4" U.N.O.**
T.O. CONCRETE ELEVATION:	
T.O. STEEL ELEVATION:	**3/4" BELOW TOP OF SLAB U.N.O.**

DRAWN BY:	CHECKED:	CURRENT ISSUE:
NL	**HS**	**ISSUED FOR CONSTRUCTION**

PROJECT NO.: **20221739**
DATE: **2022-05-06**
SCALE: **As indicated**
DRAWING NO. **S.203**

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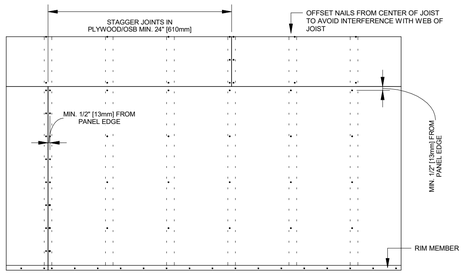
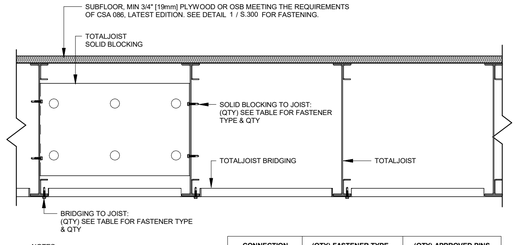


NAIL TYPE AND SPACING:
FASTEN PLYWOOD TO JOIST WITH 2" VERSAPIN NAILS :
1. AT 6" [152mm] O.C. ALONG BUTT JOINTS.
2. AT 6" [152mm] O.C. ALONG PERIMETER RIM MEMBERS AND TO PERIMETER WALLS, AND
3. AT 12" [305mm] O.C. IN THE FIELD OF THE PANEL/SHEET.

NOTE:
1. WHERE JOISTS ARE OF TYPE "I-3 " OR "I-4", ALWAYS FASTEN SUBFLOOR TO JOISTS USING #10-16x1-13/16" PSD FLAT SCREWS
2. GLUE PLYWOOD TO JOISTS (NOT BY ISPAN) FOLLOW GLUE MANUFACTURER'S RECOMMENDATIONS
3. MINIMUM SCREW PATTERN FOR TYPICAL FLOOR FRAMING. WHERE EOR DRAWINGS EXCEED THAT SHOWN, FOLLOW EOR DRAWINGS

1 PLYWOOD FASTENING



NOTES:
1) FOR IRREGULAR SPACING, SEE FIELD BRIDGING DETAIL 5 / S.300
2) ALWAYS CONTINUE BRIDGING TO BEAMS/WALLS PARALLEL TO JOISTS. TIE OFF WITH FASTENERS EQUIVALENT TO JOIST CONNECTION.

CONNECTION	(QTY) FASTENER TYPE	(QTY) APPROVED PINS
BRIDGING TO JOIST	(1) ITW #12-14x1" HWH T/3 SCREW, EACH SIDE	(2) HILTI X-EGN -1/2" PINS, EACH SIDE
SOLID BLOCKING TO JOIST	(2) ITW #12-14x1" HWH T/3 SCREW, EACH SIDE	N/A

2 TYPICAL FLOOR CONSTRUCTION & BRIDGING FASTENING

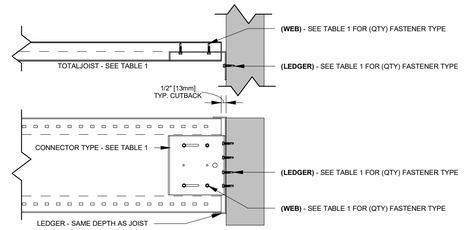


TABLE 1

JOIST DEPTH	CONNECTOR TYPE	CONNECTION TO JOIST (WEB)	CONNECTION TO TRACK (LEDGER)
		(QTY) FASTENER TYPE	(QTY) FASTENER TYPE
8"	EC-08	(4) #12-14X1" HWH T/3 SCREWS	(3) #12-14X1" HWH T/3 SCREWS
9-1/2"	EC-95	(4) #12-14X1" HWH T/3 SCREWS	(3) #12-14X1" HWH T/3 SCREWS
10"	EC-10	(4) #12-14X1" HWH T/3 SCREWS	(3) #12-14X1" HWH T/3 SCREWS
11-7/8" - 12"	EC-12	(4) #12-14X1" HWH T/3 SCREWS	(4) #12-14X1" HWH T/3 SCREWS
14"	EC-14	(6) #12-14X1" HWH T/3 SCREWS	(5) #12-14X1" HWH T/3 SCREWS
16"	EC-16	(6) #12-14X1" HWH T/3 SCREWS	(6) #12-14X1" HWH T/3 SCREWS

3 TOTALJOIST FASTENING - LEDGER FRAMING (CFS)

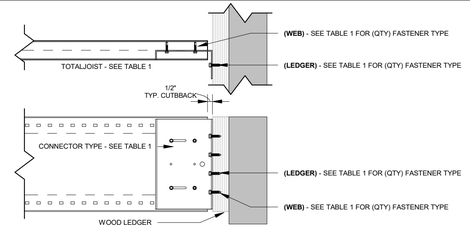
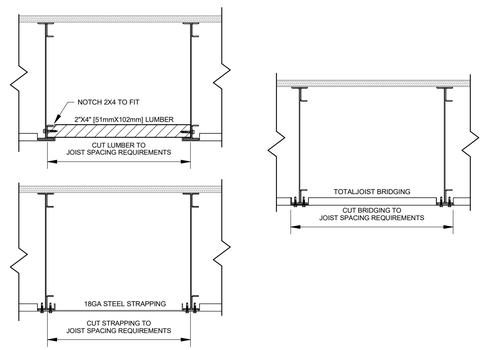


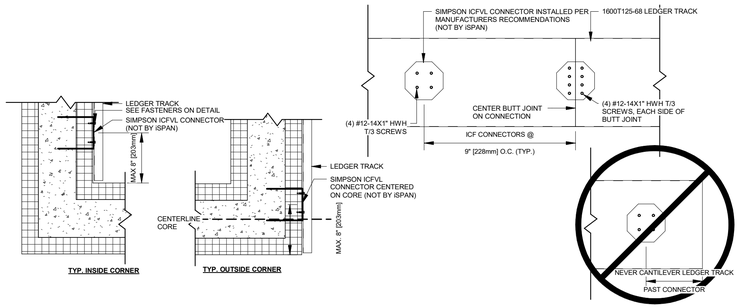
TABLE 1

JOIST DEPTH	CONNECTOR TYPE	CONNECTOR TO JOIST (WEB)	CONNECTOR TO LEDGER (LEDGER)
		(QTY) FASTENER TYPE	(QTY) FASTENER TYPE
8"	EC-08F	(4) #12-14X1" HWH T/3 SCREWS	(3) #12x1.5" HWH METAL TO WOOD SCREWS
9-1/2"	EC-95F	(4) #12-14X1" HWH T/3 SCREWS	(4) #12x1.5" HWH METAL TO WOOD SCREWS
10"	EC-10F	(4) #12-14X1" HWH T/3 SCREWS	(4) #12x1.5" HWH METAL TO WOOD SCREWS
11-7/8" - 12"	EC-12F	(4) #12-14X1" HWH T/3 SCREWS	(5) #12x1.5" HWH METAL TO WOOD SCREWS
14"	EC-14F	(6) #12-14X1" HWH T/3 SCREWS	(6) #12x1.5" HWH METAL TO WOOD SCREWS
16"	EC-16F	(6) #12-14X1" HWH T/3 SCREWS	(6) #12x1.5" HWH METAL TO WOOD SCREWS

4 TOTALJOIST FASTENING - LEDGER FRAMING (WOOD)



5 TOTALJOIST FIELD BRIDGING



7 LEDGER TRACK INSTALLATION

NO.	ISSUE	DATE
3	ISSUED FOR CONSTRUCTION	2022-06-06
2	ISSUED FOR APPROVAL	2022-05-19
1	ISSUED FOR REVIEW	2022-05-12

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5830 THIRD LINE ROAD, OTTAWA, ONTARIO

SHEET NAME
TOTAL JOIST FASTENING DETAILS

DRAWN BY:	CHECKED:	CURRENT ISSUE:
H.S	**NL**	**ISSUED FOR CONSTRUCTION**

PROJECT NO.: **20221739**
DATE: **2022-05-06**
SCALE: **As indicated**
DRAWING NO.: **S.300**

LICENSED PROFESSIONAL ENGINEER
O. REHMAN
100068645
2022-06-06
PROVINCE OF ONTARIO

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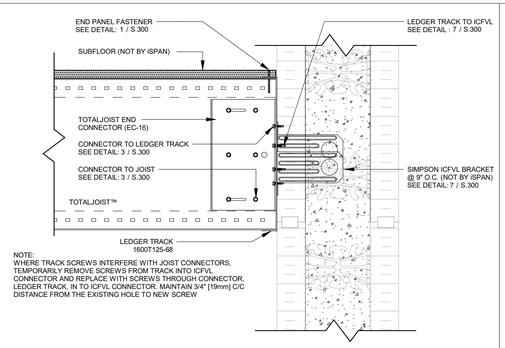
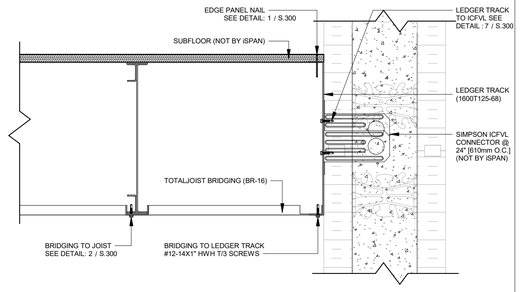
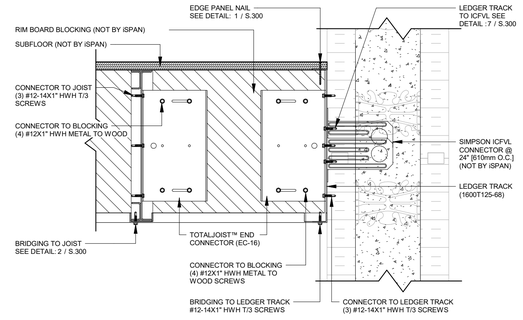


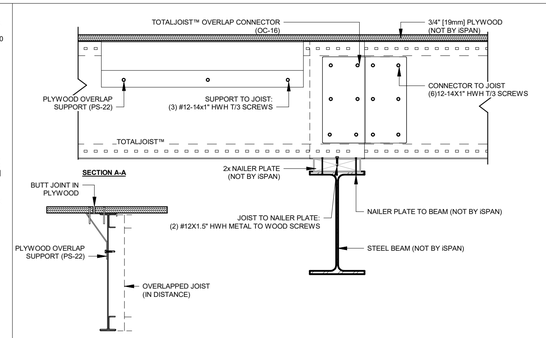
1 TOTALJOIST™ TO ICF WALL



2 TOTALJOIST™ TO ICF WALL WITH LEDGER TRACK - PARALLEL



3 TOTALJOIST™ TO ICF WALL WITH LEDGER TRACK & BLOCKING



4 TOTALJOIST™ OVERLAP OVER DROPPED STEEL BEAM

5 TOTALJOIST TO LVL

6 TOTALJOIST TO FLUSH LVL BEAM

7 CONNECTION TO LVL - PARALLEL

8 TYPICAL CONNECTION TO LVL - PARALLEL

9 TOTALJOIST™ TO ICF WALL WITH LEDGER TRACK - PARALLEL

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LICENSED PROFESSIONAL ENGINEER
G. REHMAN
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2022-06-03
PROVINCE OF ONTARIO

NO.	ISSUE	DATE
3	ISSUED FOR CONSTRUCTION	2022-06-06
2	ISSUED FOR APPROVAL	2022-05-19
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CLIENT NAME

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PROJECT NAME

CHAN RESIDENCE - ADDITION

5830 THIRD LINE ROAD, OTTAWA, ONTARIO

SHEET NAME

FLOOR DETAILS

DRAWN BY:	CHECKED:	CURRENT ISSUE:
H.S	**NL**	**ISSUED FOR CONSTRUCTION**

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