Compliance Table - Proposed 3 Unit Dwelling (Triplex)

2490 Kaladar Ave., Ottawa, ON.

Zoning - R3A

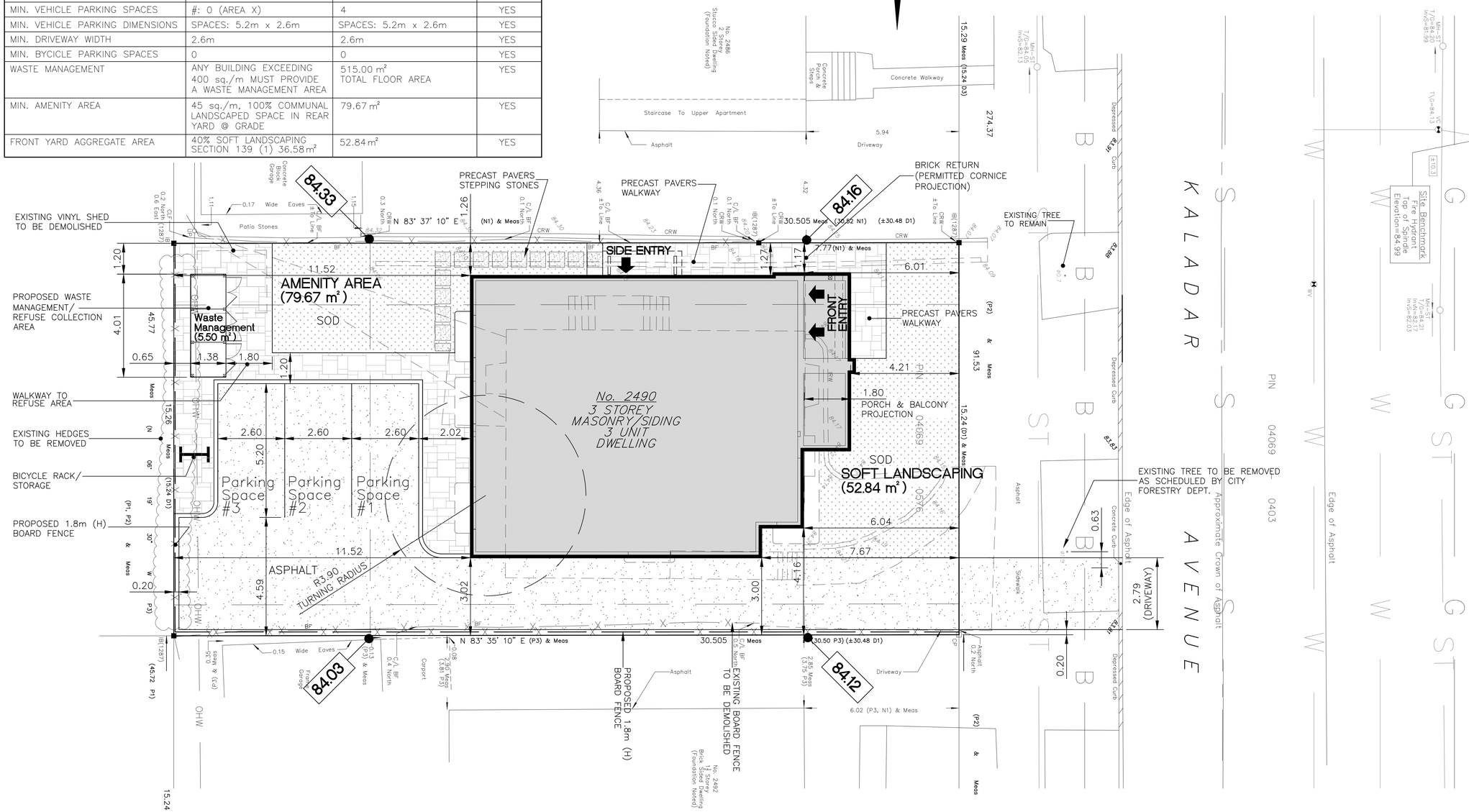
PROVISION	REQUIRED	PROPOSED	COMPLIANCE
LOT AREA	540 m^2	465 m^2	NO
LOT WIDTH	18m	15.24m	NO
MAX. FRONT YARD SETBACK	6.0m	6.01m	YES
MIN. INT. SIDE YARD SETBACK	3.6 m (MIN. TOTAL) ONE SIDE MIN. 1.2m	1.26m (ONE SIDE) & 3.02m (OTHER SIDE)	YES
MIN. REAR YARD SETBACK	8.5m	9.43m	YES
BUILIDNG HT.	11.0m	10.48m	YES
MIN. VEHICLE PARKING SPACES	#: 0 (AREA X)	4	YES
MIN. VEHICLE PARKING DIMENSIONS	SPACES: 5.2m x 2.6m	SPACES: 5.2m x 2.6m	YES
MIN. DRIVEWAY WIDTH	2.6m	2.6m	YES
MIN. BYCICLE PARKING SPACES	0	0	YES
WASTE MANAGEMENT	ANY BUILDING EXCEEDING 400 sq./m MUST PROVIDE A WASTE MANAGEMENT AREA	515.00 m^2 TOTAL FLOOR AREA	YES
MIN. AMENITY AREA	45 sq./m, 100% COMMUNAL LANDSCAPED SPACE IN REAR YARD @ GRADE	79.67 m^2	YES
FRONT YARD AGGREGATE AREA	40% SOFT LANDSCAPING SECTION 139 (1) 36.58 m^2	52.84 m^2	YES

SITE PLAN COMPILED FROM
TOPOGRAPHIC PLAN OF SURVEY OF
PART OF LOT 52
REGISTERED PLAN 559
PREPARED BY
FARLEY, SMITH & DENIS SURVEYING LTD. 2020
CITY OF OTTAWA

Average Grade Calculation

84.16
84.12
84.03
84.33

84.16 = AVERAGE GRADE



GENERAL NOTES

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ALL APPROPRIATE TRADES SHALL CHECK & VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING WORK, & SHALL REPORT ALL DISCREPANCIES IN THE DRAWINGS AND EXISTING CONDITIONS TO THE GENERAL CONTRACTOR PRIOR TO COMMENCING WORK.

Information as per the O.B.C., Schedule 1, Designer Information

Construction Lines
phone (613) 853-4653
Firm BCIN: 105621
Brian J. Sindall
Individual BCIN: 22145

I review and take responsibility for the design work on behalf of a firm registered under subsection 2.17.4 of the Ontario Building Code. I am qualified and the firm is registered in the appropriate classes and categories.

ASSOCIATION OF ARCHITECTURAL TECHNOLOGISTS OF ONTARIO
18-1372
Brian John Sindall, M.A.A.T.O

Brian J. Sindall, M.A.A.T.O. 18-1372
(original signature appears in colored ink)

LICENSED PROFESSIONAL ENGINEER
P.M. TREVISAN
100136551
March 8th, 2021
PROVINCE OF ONTARIO

STRUCTURAL REVIEW ONLY

NO.	REVISION	(dd/mm/yyyy)
2	ISS'D FOR PERMIT	02/03/2021
1	ISS'D FOR STRUCTURAL REVIEW/PRICING	09/02/2021

DRAWING: SITE PLAN

PROJECT:
Proposed Triplex (3 Unit Dwelling)
2490 Kaladar Avenue
Ottawa, ON

DEVELOPER:

CONSULTANT:
CANTERRA DESIGN + BUILD
T: 613 825 5675
E: info@canterradesign.com
W: CANTERRADESIGN.COM

INDIVIDUAL BCIN:
FIRM BCIN:
DATE:

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I am qualified, & the firm is registered in the appropriate classes/ categories.

SIGNATURE:

THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE DESIGN CONSULTANT

SCALE:	AS NOTED
DATE:	AS NOTED
DRAWN BY:	C. ZACCONI
SHEET NO.	1 OF 1

DRAWING NO.
SP1

ROOF:

ROOF ASSEMBLIES

R1 STANDARD ROOF

- ASPHALT ROOF SHINGLES
- FULL COVERAGE ICE AND WATER SHIELD
- ROOF SHEATHING
- PRE-ENG TRUSSES AT 24" BLOWN-IN INSULATION ON FLAT CEILINGS - MIN R60
- 1 x STRAPPING AT 16" O.C.
- 6 MIL POLY VAPOUR BARRIER
- 1/2" GYP BD.
- (2 LAYERS $\frac{5}{8}$" TYPE 'X' FIRE CODE GYP BD IN STAIR WELLS)
- - SEE NOTES FOR FURTHER DETAIL

R2 PORCH ROOF

- 2-PLY MODIFIED BITUMEN MEMBRANE (WRAP UP WALL MIN 12")
- 5/8" T+G PLYWOOD SHEATHING
- WOOD FURRING STRIPS (SLOPED MIN. 2%) ROOF SHEATHING
- 2x JOISTS AS PER PLAN
- 1 x 4 STRAPPING @ 16" O/C.
- 1 x 4 T & G CEDAR WITHIN DROPPED BEAMS AND PRE-FINISHED SOFFIT OUTSIDE OF THE BEAMS

FLOORS:

FLOOR CONSTRUCT'N NOTES

1. ALL OSB SUBFLOOR TO BE INSTALLED GLUED & SCREWED - A BEAD OF CONSTRUCTION ADHESIVE ON TOP OF EACH JOIST AND SCREWS AT 12 O.C. MAX.

3. 5/8" PLYWOOD UNDERLAY AT ALL TILE AREAS - GLUED AND SCREWED

4. WATER RESISTANT FLOORING IS REQUIRED FOR ENTRANCES, BATHROOMS, LAUNDRY, KITCHEN AND STORAGE AREAS

FLOOR ASSEMBLIES

F1 STD. CONC. SLAB IN BASEMENT

- 3" POURED CONC.
- VAPOUR BARRIER
- 2" RIGID/FOAM INSULATION
- CLEAR STONE

F2 STANDARD FLOOR ASSEMBLY
- BASED UPON OBC SB-3 FLOOR TYPE F11c
- 60 MIN FIRE RATING
- STC (SOUND TRANSMISSION) RATING OF 51
- IIC (IMPACT INSULATION) RATING 50

- FLOOR FINISH
- UNDERLAY AS REQ'D FOR TILE
- 3/4" PLYWOOD SUBFLOOR
- FLOOR JOIST SYSTEM (MIN 241 DEEP FOR FIRE RATING - (USING II $\frac{7}{8}$" (302 mm DEPTH))
- SOUND BATT INSULATION - MIN 6" THICK FOR STC RATING - FULL COVERAGE (ALL JOIST SPACES)
- METAL FURRING CHANNELS AT 16" O.C.
- 1 LAYER $\frac{5}{8}$" FIRECODE TYPE 'X' GYP BD.

F3 FLOOR ASSEMBLY
- WITHIN SAME UNIT (SUCH AS UNIT 1)
- NOT FIRE RATED

SIMILAR TO F2 EXCEPT:
- FINISHED FLOORING
- 3/4" PLYWOOD SUBFLOOR
- FLOOR JOIST SYSTEM (MIN 241 DEEP FOR FIRE RATING - (USING II $\frac{7}{8}$" (302 mm DEPTH)

F4 FLOOR ASSEMBLY
- STAIR LANDINGS
- 60 MIN FIRE RATING

SIMILAR TO F2 EXCEPT:
- FINISHED FLOORING
- 3/4" PLYWOOD SUBFLOOR
- FLOOR JOIST SYSTEM (MIN 241 DEEP FOR FIRE RATING - (USING II $\frac{7}{8}$" (302 mm DEPTH))
- METAL FURRING CHANNELS AT 16" O.C.
- 2 LAYERS $\frac{5}{8}$" FIRECODE TYPE 'X' GYP BD.
- EXTEND ASSEMBLY TO ENSURE CONTINUITY OF FIRE SEPARATION

F5 FLOOR ASSEMBLY
- U/S STAIRS
- 60 MIN FIRE RATING

SIMILAR TO F2 EXCEPT:
- FINISHED FLOORING
- STAIR STRUCTURE
- METAL FURRING CHANNELS AT 16" O.C.
- 2 LAYERS $\frac{5}{8}$" FIRECODE TYPE 'X' GYP BD.
- EXTEND ASSEMBLY ON THE SLOPE BELOW THE STAIR RUNS FOR CONTINUOUS FIRE SEPARATION BETWEEN ALL UNITS

WALLS:

WALL ASSEMBLIES

W1 FOUNDATION WALL
- TYPICAL, NON-RATED

- CEMENT PARGING ABOVE GRADE
- DAMPPROOFING MEMBRANE BELOW GRADE
- POURED CONCRETE C/W REINFORCING AS PER NOTES
- R20 BATT INSULATION ROLL OUT BLANKET C/W INTEGRAL POLY VAPOUR BARRIER - FULL HEIGHT
- SEAL ALL JOINTS

W1b FOUNDATION WALL
- TYPICAL, NON-RATED, WITH STUDS
- AT BASEMENT SDTAIR IN UNIT 1

- CEMENT PARGING ABOVE GRADE
- DAMPPROOFING MEMBRANE BELOW GRADE
- POURED CONCRETE C/W REINFORCING AS PER NOTES
- AIR BARRIER WRAPPED TO INSIDE 2x3" WOOD STUDS @ 16" O.C. ON 2x6 P.T. BOTTOM PLATE
- MOISTURE BARRIER BETWEEN CONC AND INSULATION
- R12 BATT INSULATION VERTICAL AND R10 BATT HORIZONTAL BEHIND STUDS - FULL HEIGHT
- 6mil POLYETHYLENE VAPOUR BARRIER
- 1/2" GYP BOARD - PAINT FINISH

W2 EXTERIOR WALL
- SIDING, NON COMBUSTIBLE, 60 MINUTE FIRE RATED, SIMILAR TO ULC WALL TYPE W424 FOR LOADBEARING METAL STUDS

- PREFINISHED HARDBOARD SIDING AND/OR METAL SIDING AS PER ELEVATIONS
- 'TYVEK' AIR/WEATHER BARRIER (TAPE ALL JOINTS)

RATED STEEL WALL - OUTER WYTHE
- $\frac{5}{8}$" FIRE CODE EXTERIOR GRADE GYP BD, "DENGLAS" OR EQUIVALENT
- 3 5/8" NON-LOADBEARING METAL STUDS AS PER ENGINEERED SYSTEM - VERIFY GAUGE - 362S162-33 METAL STUDS AT 16" O.C. C/W BRACING AT 48" O.C.
- BATT INSULATION TO FULLY FILL
- $\frac{5}{8}$" FIRE CODE EXTERIOR GRADE GYP BOARD

NON-RATED WOOD WALL - INNER WYTHE
- 7/16" OSB SHEATHING
- 2X4 AT 16" O.C. LOADBEARING WOOD STUDS - SEE PLAN FOR ADDITIONAL BLOCKING AND SPACING
- BATT INSULATION TO FULLY FILL METAL STUD SPACE, R VALUE OF R14
- 6mil POLYETHYLENE VAPOUR BARRIER
- 1 LAYER 1/2" GYP BOARD - PAINT FIN.

W2a EXTERIOR WALL
- MASONRY, NON COMBUSTIBLE, 60 MINUTE FIRE RATED, SIMILAR TO ULC WALL TYPE W424 FOR LOADBEARING METAL STUDS

- MASONRY VENEER C/W VENT HOLES AND TIES AS PER ELEVATIONS
- 'TYVEK' AIR/WEATHER BARRIER (TAPE ALL JOINTS)

RATED STEEL WALL - OUTER WYTHE
- $\frac{5}{8}$" FIRE CODE EXTERIOR GRADE GYP BD, "DENGLAS" OR EQUIVALENT
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- 6mil POLYETHYLENE VAPOUR BARRIER
- 1 LAYER 1/2" GYP BOARD - PAINT FIN.

W3 EXTERIOR WALL
- SIDING, NON-RATED

- PREFINISHED HARDBOARD SIDING AND/OR METAL SIDING AS PER ELEVATIONS
- 'TYVEK' AIR/WEATHER BARRIER (TAPE ALL JOINTS)
- 7/16" EXT. GRADE OSB SHEATHING 5 $\frac{1}{2}$" WOOD STUDS AT 16" O.C.
- BATT INSULATION TO FULLY FILL STUD SPACE, R VALUE OF R22
- 6mil POLYETHYLENE VAPOUR BARRIER
- 1 LAYER 1/2" GYP BOARD - PAINT FINISH

W3a EXTERIOR WALL
- MASONRY, NON-RATED

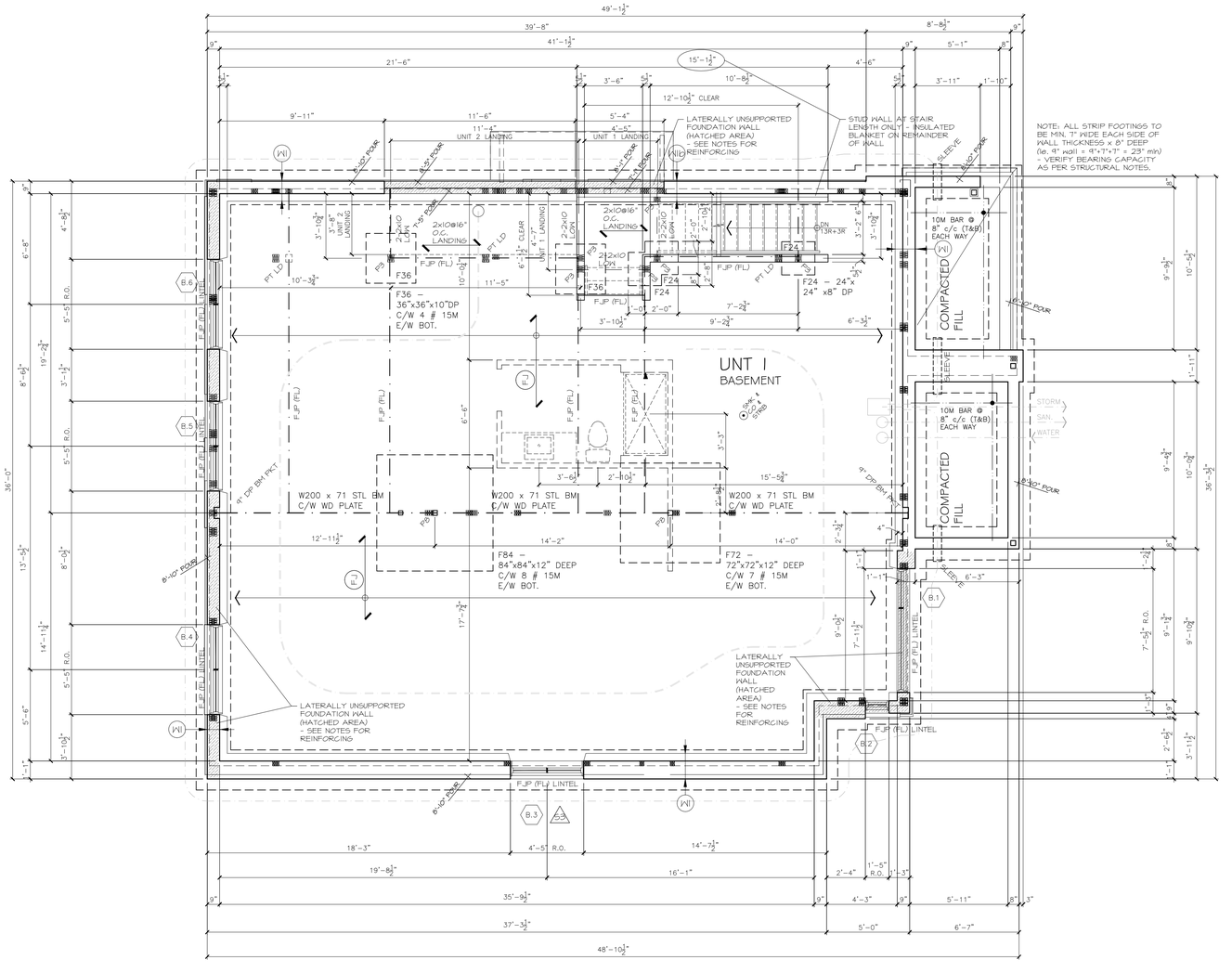
- MASONRY VENEER C/W VENT HOLES AND TIES AS PER ELEVATIONS
- 'TYVEK' AIR/WEATHER BARRIER (TAPE ALL JOINTS)
- 7/16" EXT. GRADE OSB SHEATHING 5 $\frac{1}{2}$" WOOD STUDS AT 16" O.C.
- BATT INSULATION TO FULLY FILL STUD SPACE, R VALUE OF R22
- 6mil POLYETHYLENE VAPOUR BARRIER
- 1 LAYER 1/2" GYP BOARD - PAINT FINISH

W4 INTERIOR PARTITION
BASED UPON SB-3
WALL TYPE W-4a
- 60 MIN FIRE RATED
- STC RATING 51
- LOADBEARING OR NON-LDBRG

- 5/8" TYPE 'X' FIRE CODE GYP BD - PAINT FINISH
- 2x WOOD STUDS @ 16" O.C. - SEE PLAN FOR SIZE
- FULL CAVITY BATT INSULATION TO MIN 2.8 kg/m2 FOR 84 mm THICKNESS AND 4.8 kg/m2 FOR 150 mm THICKNESS
- RESILIENT CHANNELS AT 400mm O.C.
- 2 LAYERS 5/8" TYPE 'X' FIRE CODE GYP BD (ON RESILIENT CHANNEL SIDE) - PAINT FINISH

W5 INTERIOR PARTITION
- TYPICAL, UNRATED, UNLESS NOTED OTHERWISE

- 1/2" GYP BD - PAINT FINISH
- 2x WOOD STUDS @ 16" O.C. - SEE PLAN FOR SIZE
- SEE PLAN FOR SPACING AND DOUBLING WHERE THE STUD WALLS ARE LOADBEARING
- 1/2" GYP BD - PAINT FINISH PROVIDE CEMENT TILE BACKER BOARD AT ALL SHOWER AND TILE AREAS



1 / A1 BASEMENT PLAN
SCALE: 1/4" = 1'-0"

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March 8th, 2021
PROVINCE OF ONTARIO

STRUCTURAL REVIEW ONLY

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DRAWING:
. CONCRETE PLAN
. BASEMENT PLAN

PROJECT:
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Ottawa, ON

DEVELOPER:

CONSULTANT:
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INDIVIDUAL BCIN:
FIRM BCIN:
DATE:

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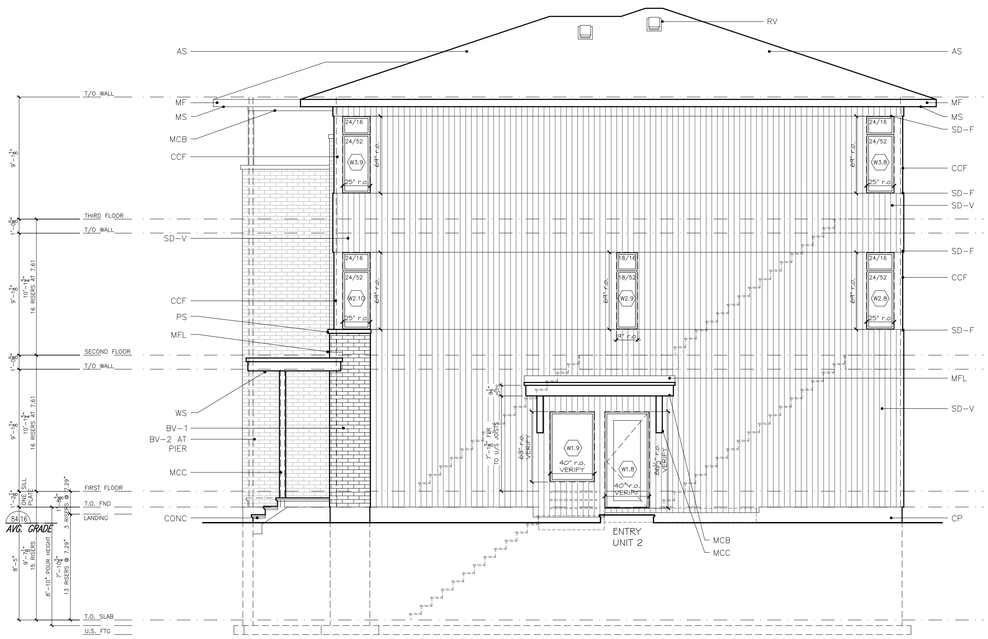
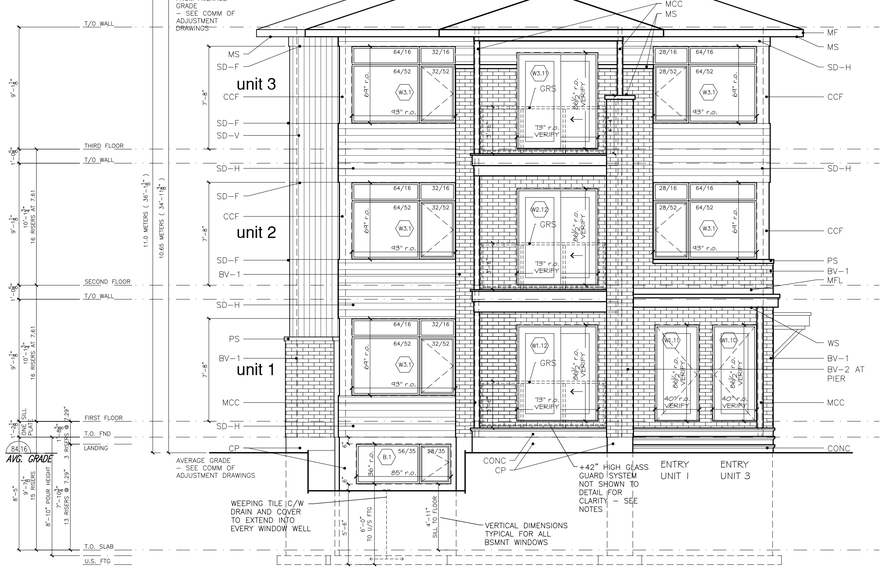
SIGNATURE:

SCALE:	AS NOTED
DATE:	AS NOTED
DRAWN BY:	C. ZACCONI
SHEET NO.	1 OF 6

DRAWING NO.
A1



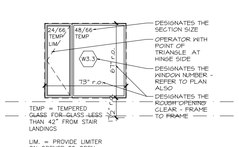
3 / A2 RIGHT SIDE ELEVATION
SCALE: 3/16" = 1'-0"



2 / A2 FRONT ELEVATION
SCALE: 3/16" = 1'-0"

EXTERIOR FINISH SCHEDULE

NOTE:	BV-2	BRICK VENEER – COLOUR 2	MFL	PREFINISHED METAL FLASHING	SD-F	SIDING FIN/FLASHING – HORIZONTAL
** VERIFY ALL COLOURS PRIOR TO ORDERING AS PER CLIENT APPROVAL	PS	PRECAST SILL – 3 ½"	MS	PREFINISHED METAL SOFFIT	CCF	CORNER CAP FLASHING
** CONTRACTOR TO PROVIDE SAMPLES OF ALL FINISHES FOR CLIENT APPROVAL	CP	CEMENT PARGING	WS	1x4 CEDAR SOFFIT – STAINED – MAIBEC PRAIRIE GOLD	MCC	PREFIN. METAL CAPPED COLUMNS
	MF	PREFIN. METAL FASCIA 6" TYP'L – STEPPED PROFILE – ENSURE NO CONTACT BETWEEN DIFFERENTIAL METALS WITH MEMBRANE WRAP (IE. STEEL & ALUM.)	SD-V	SIDING – VERTICAL PREFINISHED METAL (GALVALUME)	GRS	GLASS GUARD AND RAIL SYSTEM – BLACK ALUMINUM – TEMPERED GLASS – PRE-ENGINEERED
AS ASPHALT SIDING			SD-H	SIDING – HORIZONTAL PREFINISHED METAL (GALVALUME)		
RV ROOF VENT						
BV-1 BRICK VENEER – COLOUR 1						



TYPICAL WINDOW LEGEND

WALLS:

WALL ASSEMBLIES

W1 FOUNDATION WALL
- TYPICAL, NON-RATED
  - CEMENT PARGING ABOVE GRADE
  - DAMPPROOFING MEMBRANE BELOW GRADE
  - POURED CONCRETE C/W REINFORCING AS PER NOTES
  - R20 BATT INSULATION ROLL OUT BLANKET C/W INTEGRAL POLY VAPOUR BARRIER – FULL HEIGHT
  - SEAL ALL JOINTS

W1a FOUNDATION WALL
- TYPICAL, NON-RATED, WITH STUDS – AT BASEMENT SDTAIR IN UNIT 1
  - CEMENT PARGING ABOVE GRADE
  - DAMPPROOFING MEMBRANE BELOW GRADE
  - POURED CONCRETE C/W REINFORCING AS PER NOTES
  - AIR BARRIER WRAPPED TO INSIDE 2x3" WOOD STUDS @ 16" O.C. ON 2x6 P.T. BOTTOM PLATE
  - MOISTURE BARRIER BETWEEN CONC AND INSULATION
  - R12 BATT INSULATION VERTICAL AND R10 BATT HORIZONTAL BEHIND STUDS – FULL HEIGHT
  - 6mil POLYETHYLENE VAPOUR BARRIER
  - 1/2" GYP BOARD - PAINT FINISH

W2 EXTERIOR WALL
- SIDING, NON COMBUSTIBLE, 60 MINUTE FIRE RATED, SIMILAR TO ULC WALL TYPE W424 FOR LOADBEARING METAL STUDS
  - PREFINISHED HARDBOARD SIDING AND/OR METAL SIDING AS PER ELEVATIONS
  - 'TYVEK' AIR/WEATHER BARRIER (TAPE ALL JOINTS)

RATED STEEL WALL - OUTER WYTHE
- ⅝" FIRE CODE EXTERIOR GRADE GYP BD. "DENGLAS" OR EQUIVALENT
- 3 5/8" NON-LOADBEARING METAL STUDS AS PER ENGINEERED SYSTEM - VERIFY GAUGE - 362S162-33 METAL STUDS AT 16" O.C. C/W BRACING AT 48" O.C.
- BATT INSULATION TO FULLY FILL
- ⅝" FIRE CODE EXTERIOR GRADE GYP BOARD

NON-RATED WOOD WALL - INNER WYTHE
- 7/16" OSB SHEATHING
- 2X4 AT 16" O.C. LOADBEARING WOOD STUDS - SEE PLAN FOR ADDITIONAL BLOCKING AND SPACING
- BATT INSULATION TO FULLY FILL METAL STUD SPACE, R VALUE OF R14
- 6mil POLYETHYLENE VAPOUR BARRIER
- 1 LAYER 1/2" GYP BOARD - PAINT FIN.

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W3 EXTERIOR WALL
- SIDING, NON-RATED
  - PREFINISHED HARDBOARD SIDING AND/OR METAL SIDING AS PER ELEVATIONS
  - 'TYVEK' AIR/WEATHER BARRIER (TAPE ALL JOINTS)
  - 7/16" EXT. GRADE OSB SHEATHING 5 ½" WOOD STUDS AT 16" O.C.
  - BATT INSULATION TO FULLY FILL STUD SPACE, R VALUE OF R22
  - 6mil POLYETHYLENE VAPOUR BARRIER
  - 1 LAYER 1/2" GYP BOARD - PAINT FINISH

W3a EXTERIOR WALL
- MASONRY NON-RATED
  - MASONRY VENEER C/W VENT HOLES AND TIES AS PER ELEVATIONS
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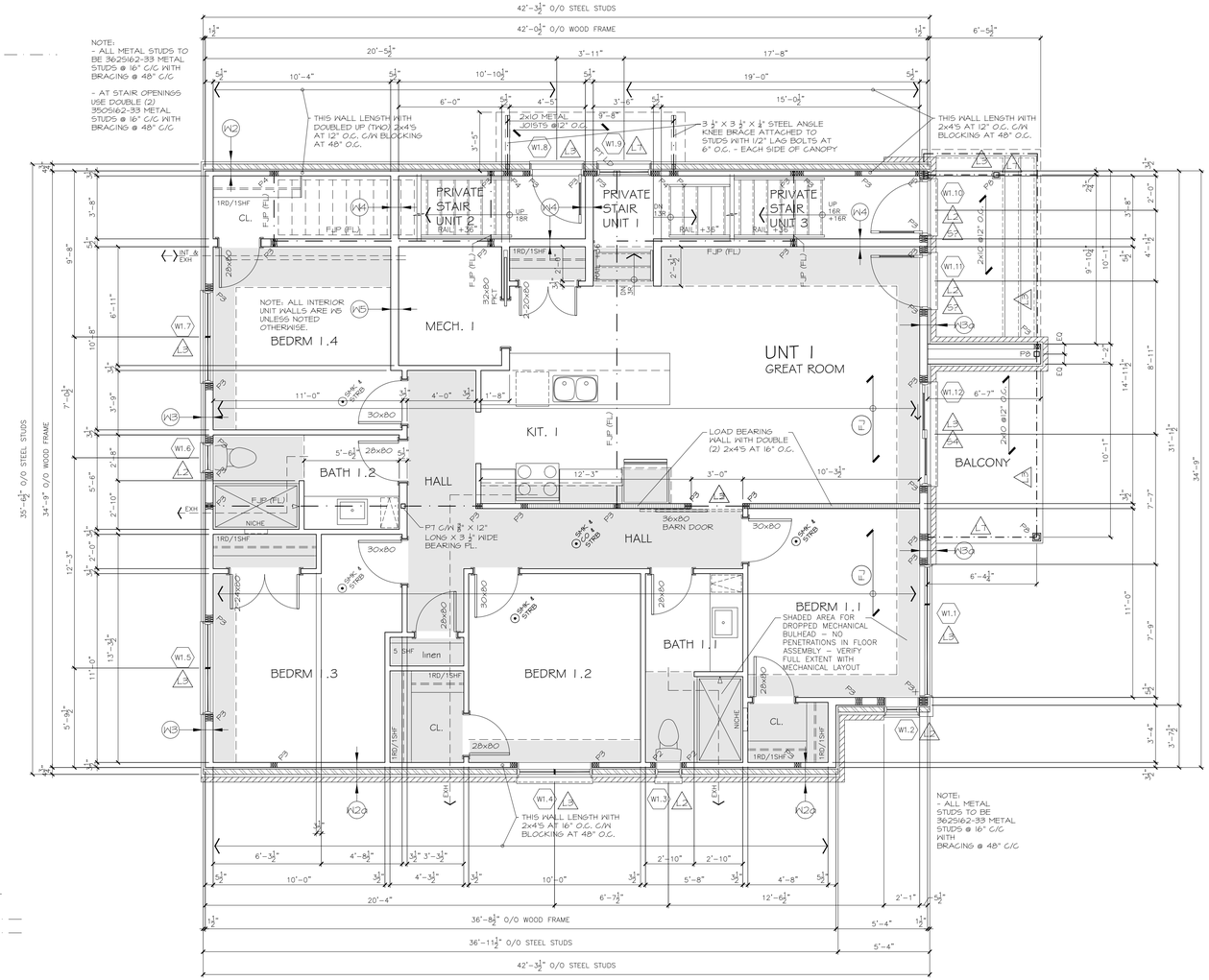
  - 6mil POLYETHYLENE VAPOUR BARRIER
  - 1 LAYER 1/2" GYP BOARD - PAINT FINISH

W4 INTERIOR PARTITION BASED UPON SB-9 WALL TYPE N-4a
- 60 MIN FIRE RATED
- STC RATING 51
- LOADBEARING OR NON-LDBRS
  - 5/8" TYPE 'X' FIRE CODE GYP BD - PAINT FINISH
  - 2x WOOD STUDS @ 16" O.C. - SEE PLAN FOR SIZE
  - FULL CAVITY BATT INSULATION TO MIN 2.8 kg/m2 FOR 89 mm THICKNESS AND 4.8 kg/m2 FOR 150 mm THICKNESS.
  - RESILIENT CHANNELS AT 400mm O.C.
  - 2 LAYERS 5/8" TYPE 'X' FIRE CODE GYP BD (ON RESILIENT CHANNEL SIDE) - PAINT FINISH

W5 INTERIOR PARTITION
- TYPICAL, UNRATED, UNLESS NOTED OTHERWISE
  - 1/2" GYP BD - PAINT FINISH
  - 2x WOOD STUDS @ 16" O.C. - SEE PLAN FOR SIZE
  - SEE PLAN FOR SPACING AND DOUBLING WHERE THE STUD WALLS ARE LAODBEARING
  - 1/2" GYP BD - PAINT FINISH PROVIDE CEMENT TILE BACKER BOARD AT ALL SHOWER AND TILE AREAS



1 / A2 GROUND FLOOR PLAN
SCALE: 1/4" = 1'-0"

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Information as per the O.B.C., Schedule 1, Designer Information

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phone (613) 853-4653
Firm BCIN: 105621
Brian J. Sindall
Individual BCIN: 22145

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ASSOCIATION OF ARCHITECTURAL TECHNOLOGISTS OF ONTARIO
19 / 1372
Brian John Sindall, M.A.A.T.O

Brian J. Sindall, M.A.A.T.O. 19-1372
(original signature appears in colored ink)

LICENSED PROFESSIONAL ENGINEER
P. M. TREVISAN
100136551
March. 8th, 2021
PROVINCE OF ONTARIO

STRUCTURAL REVIEW ONLY

NO.	REVISION	(dd/mm/yyyy)
2	ISS'D FOR PERMIT	02/03/2021
1	ISS'D FOR STRUCTURAL REVIEW/PRICING	09/02/2021

DRAWING: . GROUND FLOOR PLAN

PROJECT:
Proposed Triplex (3 Unit Dwelling)
2490 Kaladar Avenue
Ottawa, ON

DEVELOPER:

CONSULTANT:
CANTERRA DESIGN + BUILD
T: 613 825 5675
E. info@canterradesign.com
W. CANTERRADESIGN.COM

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SIGNATURE:

SCALE:	AS NOTED
DATE:	AS NOTED
DRAWN BY:	C. ZACCONI
SHEET NO.	1 OF 6

DRAWING NO. A2

WALLS:

WALL ASSEMBLIES

W1 FOUNDATION WALL
- TYPICAL, NON-RATED

- CEMENT PARGING ABOVE GRADE
- DAMPPROOFING MEMBRANE BELOW GRADE
- POURED CONCRETE C/W REINFORGING AS PER NOTES
- R20 BATT INSULATION ROLL OUT BLANKET C/W INTEGRAL POLY VAPOUR BARRIER
- FULL HEIGHT
- SEAL ALL JOINTS

W1b FOUNDATION WALL
- TYPICAL, NON-RATED, WITH STUDS
- AT BASEMENT &DTAIR IN UNIT 1

- CEMENT PARGING ABOVE GRADE
- DAMPPROOFING MEMBRANE BELOW GRADE
- POURED CONCRETE C/W REINFORGING AS PER NOTES
- AIR BARRIER WRAPPED TO INSIDE 2x3" WOOD STUDS @ 16" O.C. ON 2x6 P.T. BOTTOM PLATE
- MOISTURE BARRIER BETWEEN CONC AND INSULATION
- R12 BATT INSULATION VERTICAL AND R10 BATT HORIZONTAL BEHIND STUDS
- FULL HEIGHT
- 6mil POLYETHYLENE VAPOUR BARRIER
- 1/2" GYP BOARD - PAINT FINISH

W2 EXTERIOR WALL
- SIDING, NON COMBUSTIBLE, 60 MINUTE FIRE RATED, SIMILAR TO ULC WALL TYPE W424 FOR LOADBEARING METAL STUDS

- PREFINISHED HARDBOARD SIDING AND/OR METAL SIDING AS PER ELEVATIONS
- TYVEK' AIR/WEATHER BARRIER (TAPE ALL JOINTS)

RATED STEEL WALL - OUTER WYTHE
- ⅝" FIRE CODE EXTERIOR GRADE GYP BD, "DENGLAS" OR EQUIVALENT
- 3 5/8" NON-LOADBEARING METAL STUDS AS PER ENGINEERED SYSTEM - VERIFY GAUGE - 362S162-33 METAL STUDS AT 16" O.C C/W BRACING AT 48" O.C.
- BATT INSULATION TO FULLY FILL
- ⅝" FIRE CODE EXTERIOR GRADE GYP BOARD

NON-RATED WOOD WALL - INNER WYTHE
- 7/16" OSB SHEATHING
- 2X4 AT 16" O.C. LOADBEARING WOOD STUDS - SEE PLAN FOR ADDITIONAL BLOCKING AND SPACING
- BATT INSULATION TO FULLY FILL METAL STUD SPACE, R VALUE OF R14
- 6mil POLYETHYLENE VAPOUR BARRIER
- 1 LAYER 1/2" GYP BOARD - PAINT FIN.

W2a EXTERIOR WALL
- MASONRY, NON COMBUSTIBLE, 60 MINUTE FIRE RATED, SIMILAR TO ULC WALL TYPE W424 FOR LOADBEARING METAL STUDS

- MASONRY VENEER C/W VENT HOLES AND TIES AS PER ELEVATIONS
- TYVEK' AIR/WEATHER BARRIER (TAPE ALL JOINTS)

RATED STEEL WALL - OUTER WYTHE
- ⅝" FIRE CODE EXTERIOR GRADE GYP BD, "DENGLAS" OR EQUIVALENT
- 3 5/8" NON-LOADBEARING METAL STUDS AS PER ENGINEERED SYSTEM - VERIFY GAUGE
- BATT INSULATION TO FULLY FILL
- ⅝" FIRE CODE EXTERIOR GRADE GYP BOARD

NON-RATED WOOD WALL - INNER WYTHE
- 7/16" OSB SHEATHING
- 2X4 AT 16" O.C. LOADBEARING WOOD STUDS - SEE PLAN FOR ADDITIONAL BLOCKING AND SPACING
- BATT INSULATION TO FULLY FILL METAL STUD SPACE, R VALUE OF R14
- 6mil POLYETHYLENE VAPOUR BARRIER
- 1 LAYER 1/2" GYP BOARD - PAINT FIN.

W3 EXTERIOR WALL
- SIDING, NON-RATED

- PREFINISHED HARDBOARD SIDING AND/OR METAL SIDING AS PER ELEVATIONS
- TYVEK' AIR/WEATHER BARRIER (TAPE ALL JOINTS)
- 7/16" EXT. GRADE OSB SHEATHING 5 ½" WOOD STUDS AT 16" O.C.
- BATT INSULATION TO FULLY FILL STUD SPACE, R VALUE OF R22
- 6mil POLYETHYLENE VAPOUR BARRIER
- 1 LAYER 1/2" GYP BOARD - PAINT FINISH

W3a EXTERIOR WALL
- MASONRY, NON-RATED VENT HOLES AND TIES AS PER ELEVATIONS
- TYVEK' AIR/WEATHER BARRIER (TAPE ALL JOINTS)
- 7/16" EXT. GRADE OSB SHEATHING 5 ½" WOOD STUDS AT 16" O.C.
- BATT INSULATION TO FULLY FILL STUD SPACE, R VALUE OF R22
- 6mil POLYETHYLENE VAPOUR BARRIER
- 1 LAYER 1/2" GYP BOARD - PAINT FINISH

W4 INTERIOR PARTITION BASED UPON SB-3 WALL TYPE W-4a
- 60 MIN FIRE RATED
- STC RATING 51
- LOADBEARING OR NON-LDBRG

- 5/8" TYPE 'X' FIRE CODE GYP BD - PAINT FINISH
- 2x WOOD STUDS @ 16" O.C. - SEE PLAN FOR SIZE
- FULL CAVITY BATT INSULATION TO MIN 2.8 kg/m2 FOR 89 mm THICKNESS AND 4.8 kg/m2 FOR 150 mm THICKNESS
- RESILIENT CHANNELS AT 400mm O.C.
- 2 LAYERS 5/8" TYPE 'X' FIRE CODE GYP BD (ON RESILIENT CHANNEL SIDE) - PAINT FINISH

W5 INTERIOR PARTITION
- TYPICAL, UNRATED, UNLESS NOTED OTHERWISE

- 1/2" GYP BD - PAINT FINISH
- 2x WOOD STUDS @ 16" O.C. - SEE PLAN FOR SIZE
- SEE PLAN FOR SPACING AND DOUBLING WHERE THE STUD WALLS ARE LAODBEARING
- 1/2" GYP BD - PAINT FINISH PROVIDE CEMENT TILE BACKER BOARD AT ALL SHOWER AND TILE AREAS

2 / A3 LEFT SIDE ELEVATION
SCALE: 3/16" = 1'-0"

2 / A3 REAR ELEVATION
SCALE: 3/16" = 1'-0"

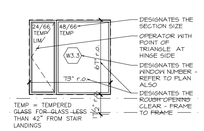
EXTERIOR FINISH SCHEDULE

NOTE:

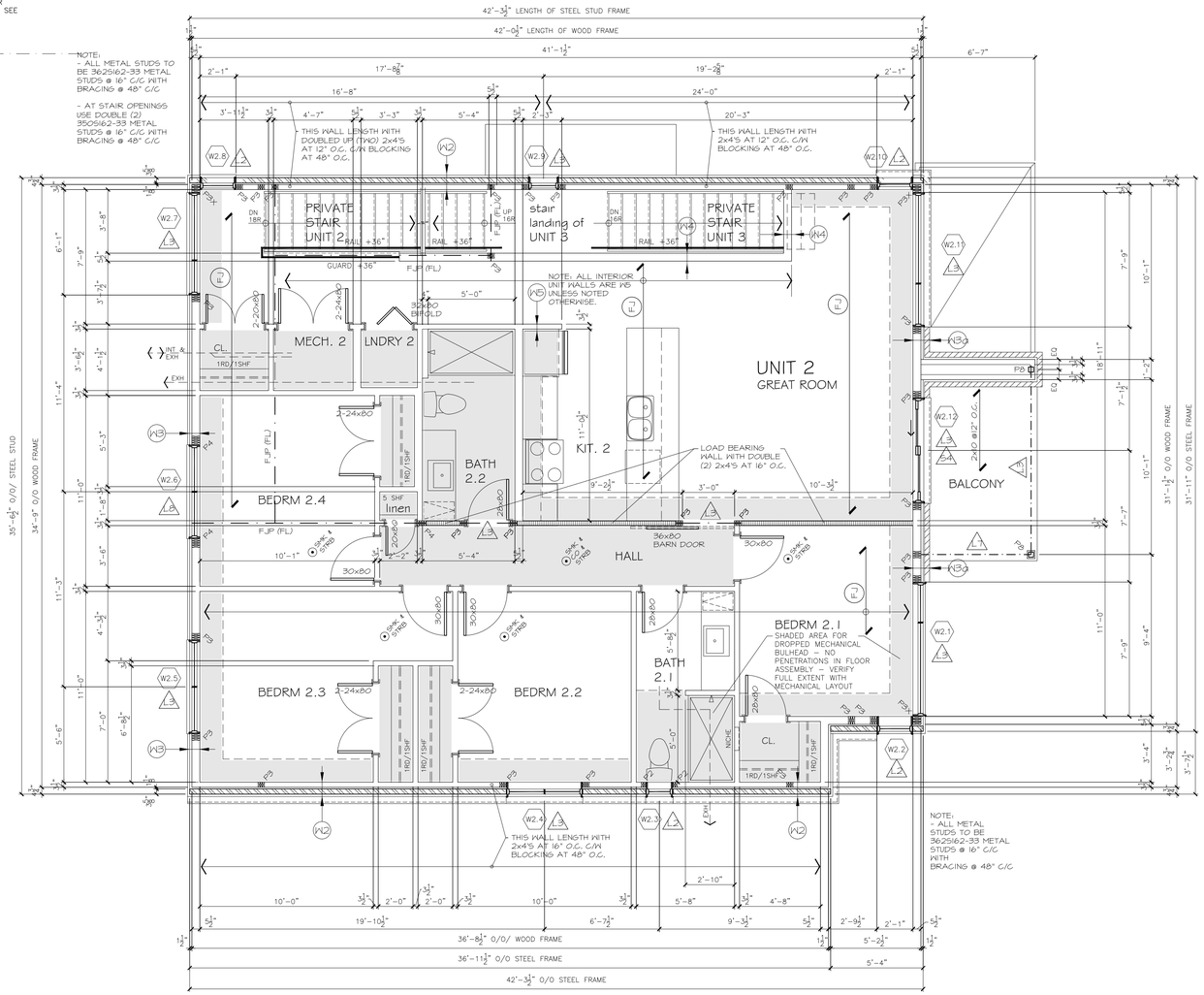
** VERIFY ALL COLOURS PRIOR TO ORDERING AS PER CLIENT APPROVAL

** CONTRACTOR TO PROVIDE SAMPLES OF ALL FINISHES FOR CLIENT APPROVAL

AS	ASPHALT SIDING
RV	ROOF VENT
BV-1	BRICK VENEER – COLOUR 1
BV-2	BRICK VENEER – COLOUR 2
PS	PRECAST SILL – 3 ½"
CP	CEMENT PARGING
MF	PREFIN. METAL FASCIA 6" TYP'L – STEPPED PROFILE – ENSURE NO CONTACT BETWEEN DIFFERENTIAL METALS WITH MEMBRANE WRAP (IE. STEEL & ALUM.)
MFL	PREFINISHED METAL FLASHING
MS	PREFINISHED METAL SOFFIT
WS	1x4 CEDAR SOFFIT – STAINED – MAIBEC PRAIRIE GOLD
SD-V	SIDING – VERTICAL PREFINISHED METAL (GALVALUME)
SD-H	SIDING – HORIZONTAL PREFINISHED METAL (GALVALUME)
SD-F	SIDING FIN/FLASHING – HORIZONTAL
CCF	CORNER CAP FLASHING
MCC	PREFIN. METAL CAPPED COLUMNS
GRS	GLASS GUARD AND RAIL SYSTEM – BLACK ALUMINUM – TEMPERED GLASS – PRE-ENGINEERED



TYPICAL WINDOW LEGEND



1 / A3 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

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DRAWING: . SECOND FLOOR PLAN

PROJECT:
Proposed Triplex (3 Unit Dwelling)
2409 Kaladar Avenue
Ottawa, ON

DEVELOPER:

CONSULTANT:
CANTERRA DESIGN + BUILD
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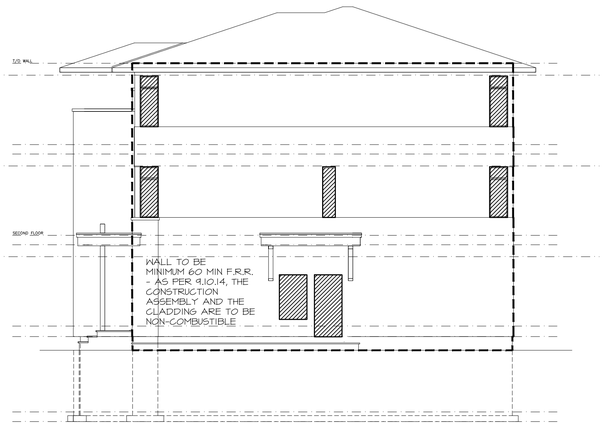
DRAWN BY:	C. ZACCONI
SHEET NO.	1 OF 6

DRAWING NO. A3

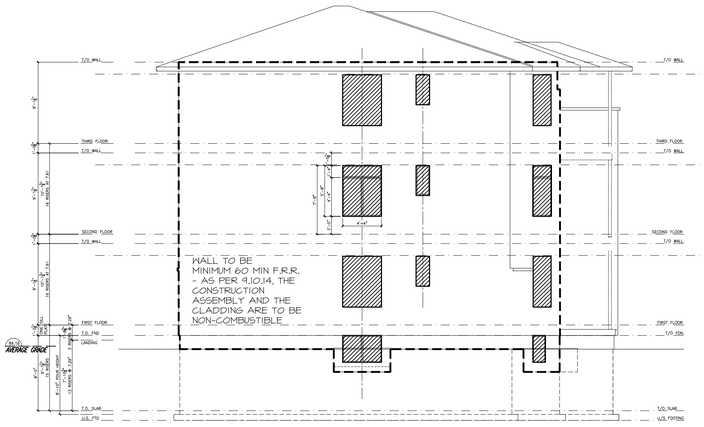


RIGHT SIDE ELEVATION

LIMITING DISTANCE AS PER OBC 9.10.14	NOTE: MEASUREMENTS ARE TAKEN TO OUTSIDE OF WINDOW FRAME
DISTANCE FROM PROPERTY LINE	1.2 METERS
AREA OF WALL	1367 SQ FT. 126.9 SQ. M.
FIRE RESISTANCE RATING	60 minutes
NON-COMBUSTIBLE CONSTRUCTION	NON COMBUSTIBLE CONSTN & CLADDING REQ'D (THERE ARE MORE THAN TWO DWELLINGS)
PERMITTED PERCENTAGE OF GLAZED OPENINGS AS PER TABLE 9.10.14.4	7 % - (ROW 9, COLUMN 2)
CALCULATION OF PERMITTED AREA OF GLAZED OPENINGS	95.7 SQ FT. 8.89 SQ. M.
PROPOSED AREA OF GLAZED OPENINGS	89.7 SQ FT. 6.5 % PROVIDED

3 / A4 LIMITING DISTANCE - RIGHT SIDE

SCALE: 1/8" = 1'-0"



LEFT SIDE ELEVATION

LIMITING DISTANCE AS PER OBC 9.10.14	NOTE: MEASUREMENTS ARE TAKEN TO OUTSIDE OF WINDOW FRAME
DISTANCE FROM PROPERTY LINE	3.00 METERS
AREA OF WALL	1394 SQ FT. 129.5 SQ. M.
FIRE RESISTANCE RATING	60 minutes
NON-COMBUSTIBLE CONSTRUCTION	NON COMBUSTIBLE CONSTN & CLADDING REQ'D (THERE ARE MORE THAN TWO DWELLINGS)
PERMITTED PERCENTAGE OF GLAZED OPENINGS AS PER TABLE 9.10.14.4	10 % - (ROW 9, COLUMN 6)
CALCULATION OF PERMITTED AREA OF GLAZED OPENINGS	139.4 SQ FT. 12.95 SQ. M.
PROPOSED AREA OF GLAZED OPENINGS	139 SQ FT. 9.97 % PROVIDED

2 / A4 LIMITING DISTANCE - LEFT SIDE

SCALE: 1/8" = 1'-0"

ROOF VENTILATION:

ALL OVERHANG DIMENSIONS ARE TAKEN FROM EXTERIOR FACE OF STUD TO EXTERIOR FACE OF FASCIA BOARD. SUBTRACT 1 1/2" FOR LENGTH OF RAFTER TAIL / TRUSS EXTENSION

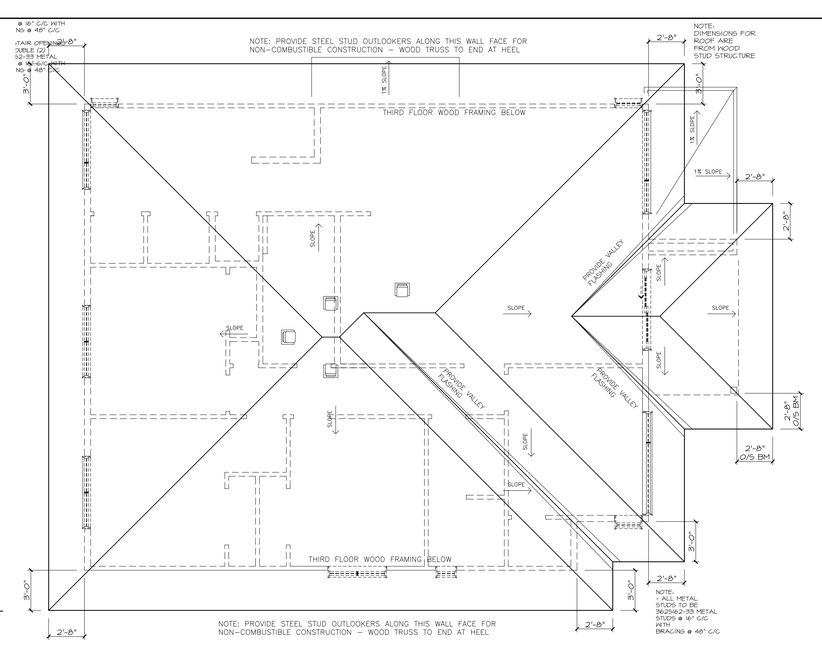
VENTILATION AREA:

INSULATED CEILING AREA AT 1476 SQ. FT. AT 1/300 = 4.92 SQ. FT. WITH 25% AT TOP OF ROOF = 1.230 SQ. FT.

"DURALOW WEATHERPROOF" ROOF VENT = .35 SQ. FT. VENTILATION PER VENT

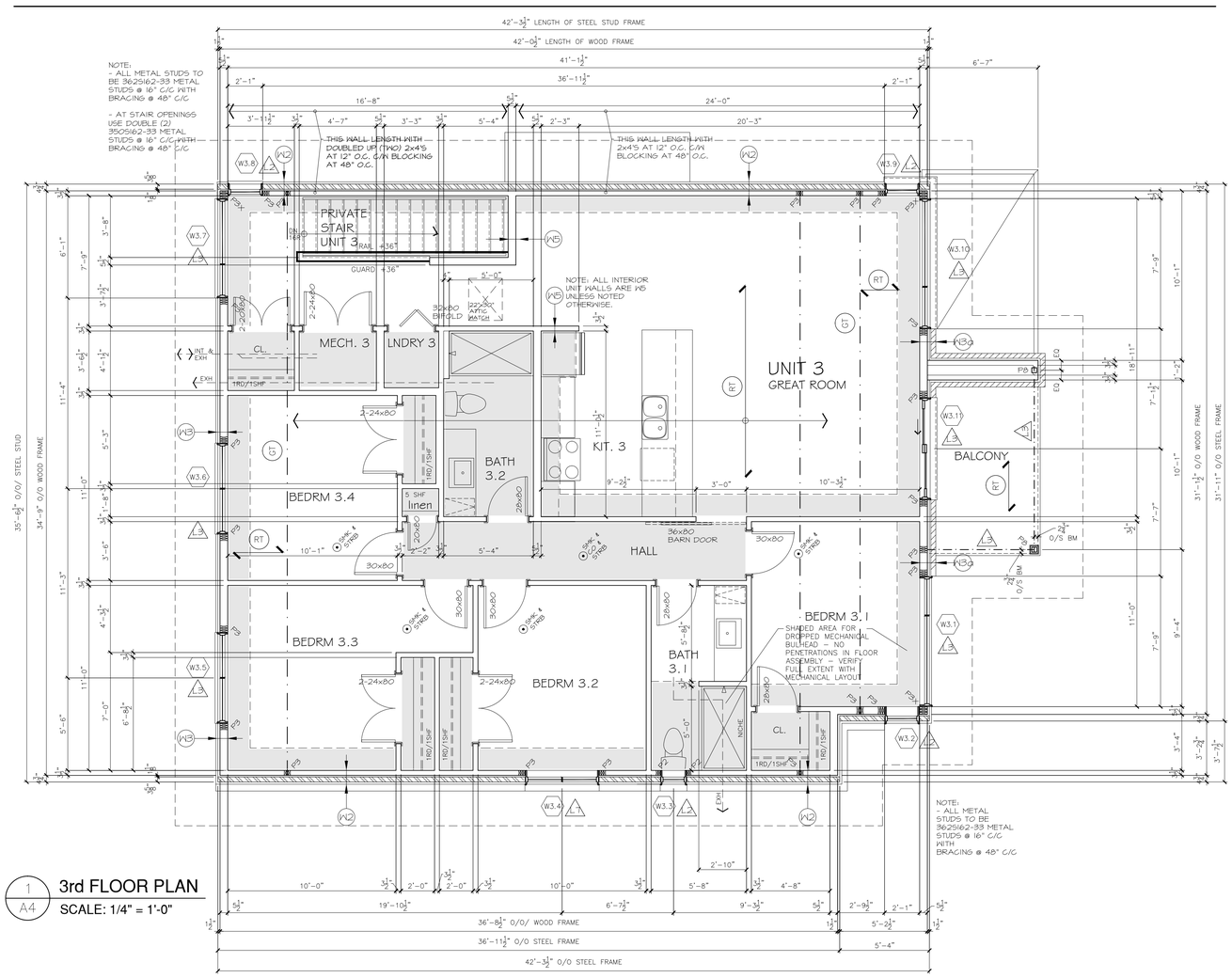
4 VENTS MINIMUM REQ'D ON ROOF, 4 SHOWN

(VERIFY ROOF VENT TYPE AND EFFECTIVE AREA)



2 / A4 ROOF PLAN

SCALE: 3/16" = 1'-0"



1 / A4 3rd FLOOR PLAN

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

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DRAWING:
- FRONT ELEVATION
- LEFT SIDE ELEVATION

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DEVELOPER:

CONSULTANT:
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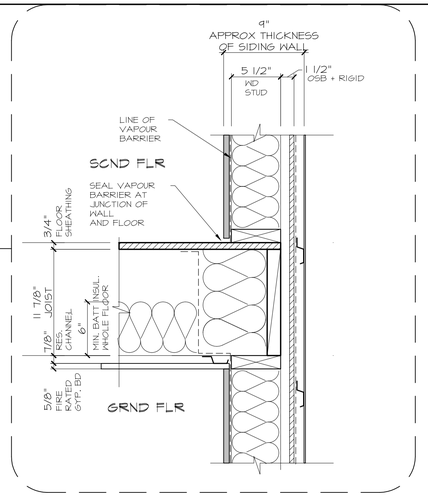
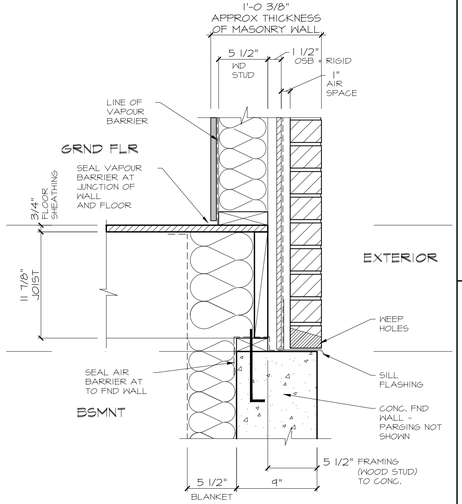
SHEET NO.	1 OF 6

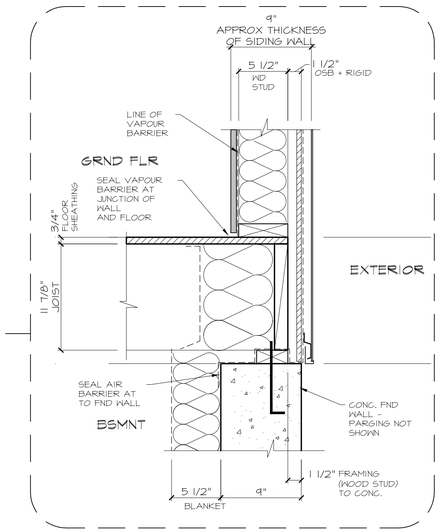
DRAWING NO.
A4



GROUND/SECOND FLOOR CONNECTION
- WOOD STUD WALL WITH SIDING AT BUILDING REAR



FOUNDATION/GROUND FLOOR CONNECTION
- WOOD STUD WALL WITH MASONRY AT BUILDING FRONT



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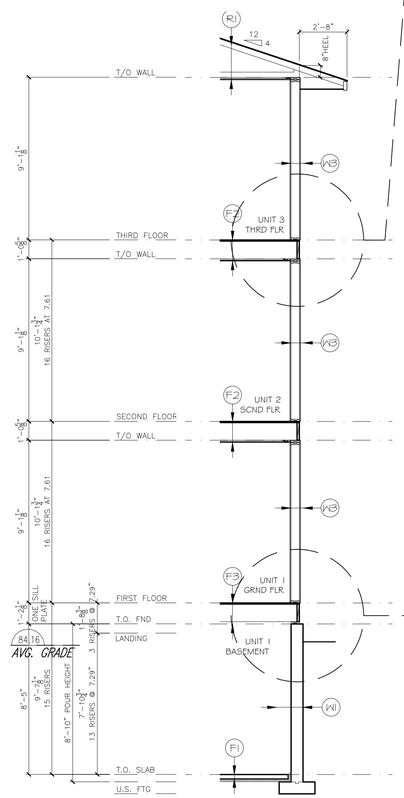
- WOOD STUD WALL WITH SIDING AT BUILDING REAR



WALL SECTION - 5 1/2" STUDS
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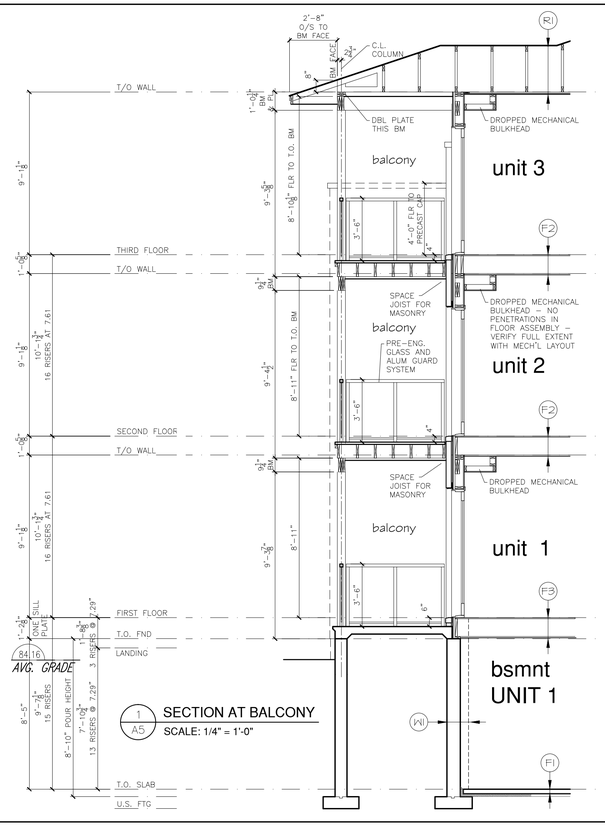
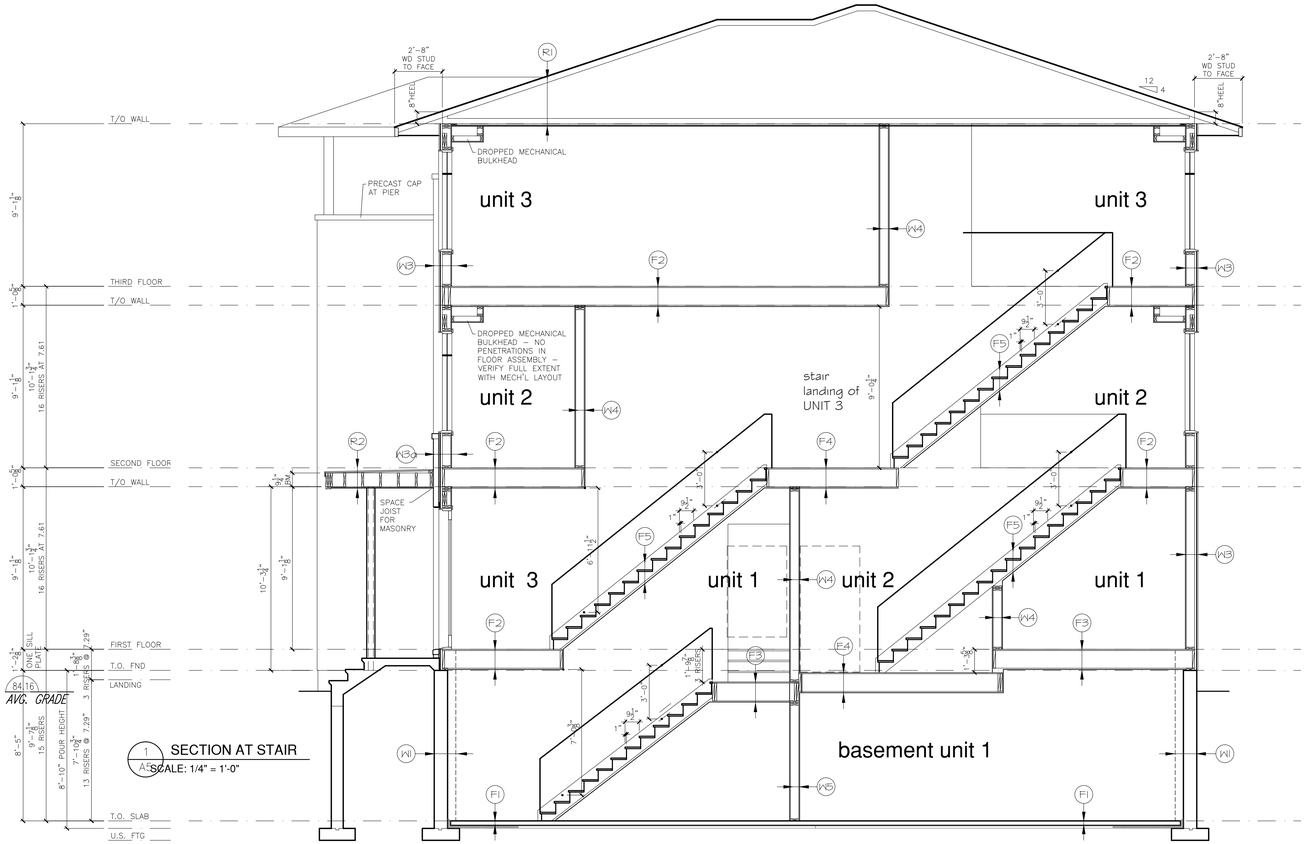


1/A5 SECTION AT BALCONY
SCALE: 1/4" = 1'-0"



1/A5 SECTION AT STAIR
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2	ISSU'D FOR PERMIT	02/03/2021
1	ISSU'D FOR STRUCTURAL REVIEW/PRICING	09/02/2021

DRAWING:
- REAR ELEVATION
- RIGHT SIDE ELEVATION

PROJECT:
Proposed Triplex (3 Unit Dwelling)
2490 Kaladar Avenue
Ottawa, ON

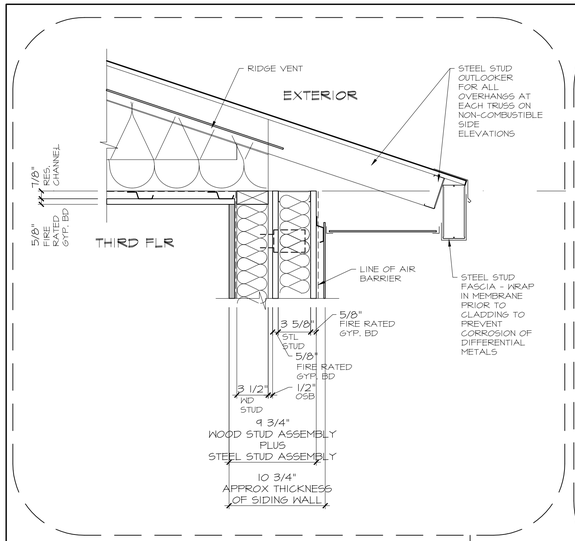
DEVELOPER:

CONSULTANT:
CANTERRA DESIGN + BUILD
T: 613 825 5675
E: info@canterradesign.com
W: CANTERRADESIGN.COM

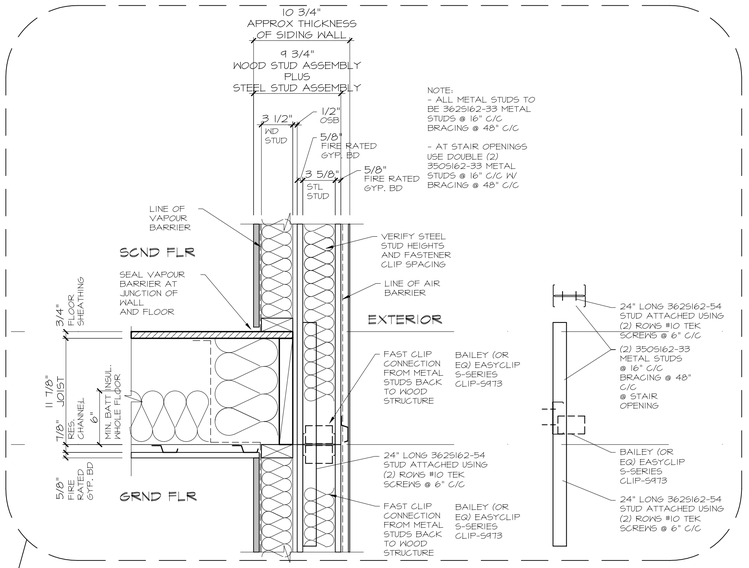
INDIVIDUAL BCIN:
FIRM BCIN:
DATE:
I review & take responsibility for the design work on behalf of a firm registered under subsection 3.2.4 of the OBC. I am qualified, & the firm is registered in the appropriate classes/ categories.
SIGNATURE:

SCALE:	AS NOTED
DATE:	AS NOTED
DRAWN BY:	C. ZACCONI
SHEET NO.	1 OF 6

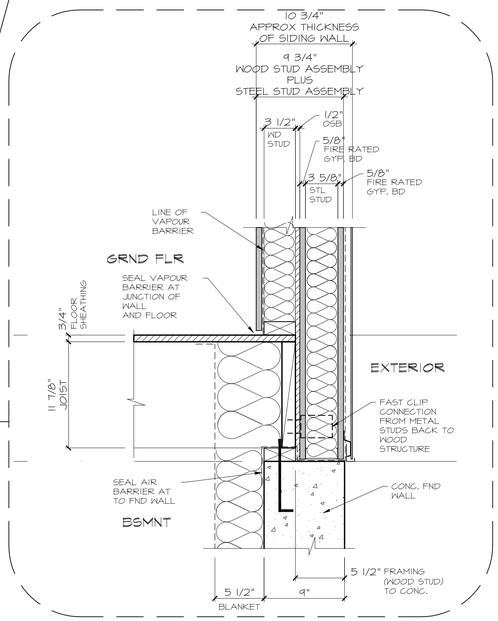
DRAWING NO.
A5



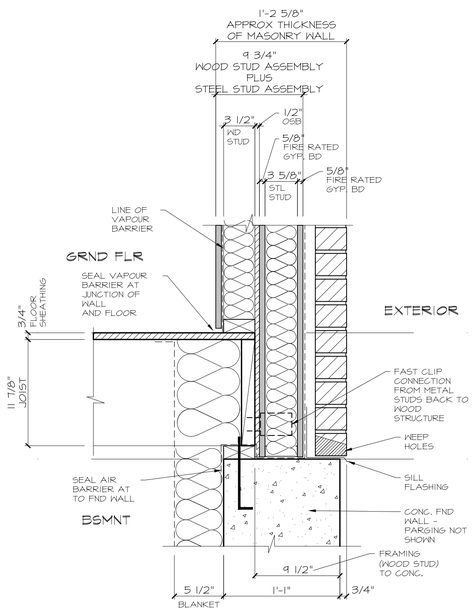
THIRD FLOOR WALL AND ROOF CONNECTION
- WOOD STUD PLUS STEEL STUD PLUS SIDING



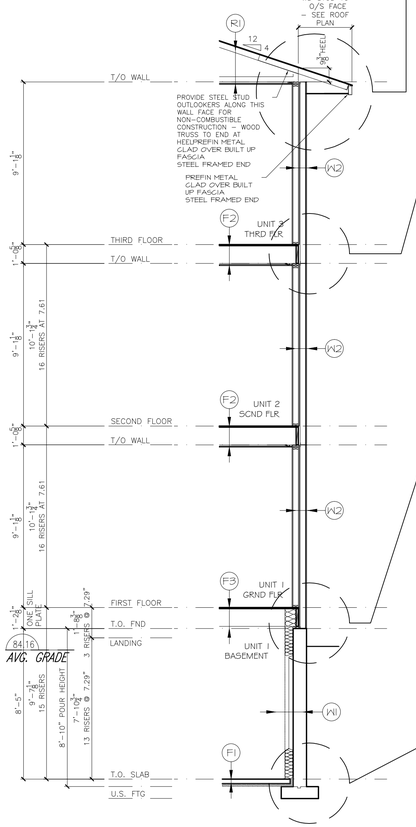
GROUND FLOOR/SECOND FLOOR
- WOOD STUD PLUS STEEL STUD PLUS SIDING



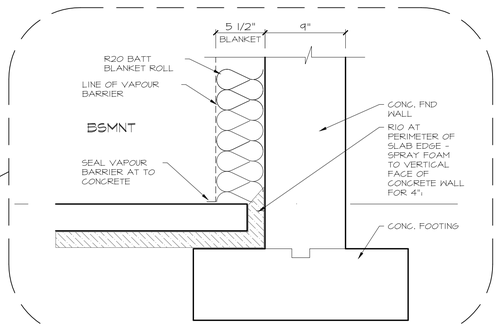
FOUNDATION/GROUND FLOOR
- WOOD STUD PLUS STEEL STUD PLUS SIDING



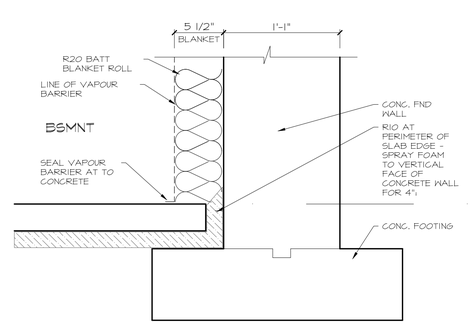
FOUNDATION/GROUND FLOOR
- WOOD STUD PLUS STEEL STUD PLUS MASONRY



1 A6 WALL SECTION - SIDES
SCALE: 1/4" = 1'-0"



FOOTING/FOUNDATION
- WOOD STUD PLUS STEEL STUD PLUS SIDING



FOOTING/FOUNDATION
- WOOD STUD PLUS STEEL STUD PLUS MASONRY

NOTE : ALL DETAILS ON THIS SHEET ARE FOR THE LEFT AND RIGHT SIDE WALLS FOR THE NON-COMBUSTIBLE CONSTRUCTION ASSEMBLY

GENERAL NOTES

DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS.

IT IS THE INTENT OF THE DESIGNER THAT THIS WORK BE IN CONFORMANCE WITH ALL REQUIREMENTS OF THE BUILDING CODES & AUTHORITIES HAVING JURISDICTION OVER THIS TYPE OF CONSTRUCTION AND OCCUPANCY.

ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

ALL CONTRACTORS SHALL COMPLY WITH ALL APPLICABLE CODES & BYLAWS, & DO THEIR WORK IN CONFORMANCE WITH ALL APPLICABLE CODES AND REGULATIONS.

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION.

ALL APPROPRIATE TRADES SHALL CHECK & VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE PRIOR TO COMMENCING WORK, & SHALL REPORT ALL DISCREPANCIES IN THE DRAWINGS AND EXISTING CONDITIONS TO THE GENERAL CONTRACTOR PRIOR TO COMMENCING WORK.

Information as per the O.B.C., Schedule 1, Designer Information

Construction Lines
phone (613) 853-4653
Firm BCIN: 105621
Brian J. Sindall
Individual BCIN: 22145

I review and take responsibility for the design work on behalf of a firm registered under subsection 2.17.4 of the Ontario Building Code. I am qualified and the firm is registered in the appropriate classes and categories.

ASSOCIATION OF ARCHITECTURAL TECHNOLOGISTS OF ONTARIO
10 1372
Brian John Sindall, M.A.A.T.O.

Brian J. Sindall, M.A.A.T.O. 10-1372
(original signature appears in colored ink)

LICENSED PROFESSIONAL ENGINEER
P.M. TREVISAN
100136551
March 8th, 2021
PROVINCE OF ONTARIO

STRUCTURAL REVIEW ONLY

NO.	REVISION	(dd/mm/yyyy)
2	ISS'D FOR PERMIT	02/03/2021
1	ISS'D FOR STRUCTURAL REVIEW/PRICING	09/02/2021

DRAWING: . DETAILS

PROJECT:
Proposed Triplex (3 Unit Dwelling)
2490 Kaladar Avenue
Ottawa, ON

DEVELOPER:

CONSULTANT:
CANTERRA DESIGN + BUILD
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E: info@canterradesign.com
W. CANTERRADESIGN.COM

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SIGNATURE:

SCALE:	AS NOTED
DATE:	AS NOTED
DRAWN BY:	C. ZACCONI
SHEET NO.	1 OF 6

DRAWING NO. A6

STRUCTURAL NOTES:

GENERAL INFORMATION

1.) DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALE DIMENSIONS.

2.) COPYRIGHT FOR THE DESIGN & DRAWINGS PREPARED BY OR ON BEHALF OF CANTERRA DESIGN & CONSULTING INC. AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF CANTERRA DESIGN & CONSULTING INC., AND MAY NOT BE USED OR REPRODUCED WITHOUT THE EXPRESSED WRITTEN CONSENT OF CANTERRA DESIGN & CONSULTING INC.

3.) IT IS THE INTENT OF THE DESIGNER THAT THIS WORK BE IN CONFORMANCE WITH ALL REQUIREMENTS OF THE BUILDING CODES & AUTHORITIES HAVING JURISDICTION OVER THIS TYPE OF CONSTRUCTION & OCCUPANCY.

4.) ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL & SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

5.) ALL CONTRACTORS SHALL COMPLY WITH ALL APPLICABLE CODES & BYLAWS, & DO THEIR WORK IN CONFORMANCE WITH ALL APPLICABLE CODES & REGULATIONS.

6.) IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCUDURE & SEQUENCE TO INSURE THE SAFETY OF THE BUILDING & ITS COMPONENT PARTS DURING ERECTION.

7.) ALL APPROPRIATE TRADES SHALL CHECK & VERIFY ALL CONDITIONS & DIMENSIONS AT THE JOBSITE PRIOR TO COMMENCING WORK, & SHALL REPORT ALL DISCREPANCIES IN THE DRAWINGS & EXISTING CONDITIONS TO THE GENERAL CONTRACTOR PRIOR TO COMMENCING WORK.

8.) THE INFORMATION PRESENTED ON THESE DRAWINGS HAS BEEN DESIGNED & ANALYZED IN ACCORDANCE WITH DIVISION B – PART 9 OF THE O.B.C. REG. 332/12. CONSTRUCTION TO BE PERFORMED IN ACCORDANCE WITH THIS & ALL OTHER APPLICABLE CODES.

9.) ALL MATERIALS USED IN THE CONSTRUCTION OF THIS BUILDING INCLUDING THE FASTENING AND CONNECTION OF STRUCTURAL AND NON STRUCTURAL ELEMENTS MUST CONFORM TO SPECIFICATIONS, PROCEDURES AND GUIDELINES NOTED ON THIS DRAWING AND IN PART 9 OF O.B.C. REG. 332/12 AND

SUBSEQUENT REVISIONS

1.) GUARD RAILS AND HAND RAILS SHALL BE DESIGNED AND CERTIFIED BY THE FABRICATOR'S PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO IN ACCORDANCE WITH THE LOADS PROVIDED IN 4.1.5.15 AND 3.4.6.4 (9) OF THE O.B.C. REG. 332/12.

2.) GUARDS ARE REQUIRED ON DECKS AND OTHER WALKING SURFACES THAT EXTEND 23 5/8"(600mm) ABOVE GRADE AND SHALL CONFORM TO THE LOADING CRITERIA IN PART 4 OF THE O.B.C. REG. 332/12 OR BE CONSTRUCTED AS SET OUT IN THE O.B.C. REG. 332/12 SUPPLEMENTARY STANDARD SB-7. (9.8.8.8). FOR METAL GUARDS SUPPLIER'S SHOP DRAWINGS MUST BE CERTIFIED FOR DESIGN INSTALLATION CONFORMING TO O.B.C. REG. 332/12 4.1.10.1.

WOOD CONSTRUCTION

1.) VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.

2.) ROOF SHEATHING: UNLESS NOTED OTHERWISE, 16MM SOFTWOOD OR DOUGLAS FIR PLYWOOD SHEATHING TO BE UNLOCKED DIAPHRAGM WITH 64 MM COMMON NAILS AT 100MM O.C. PLACED AT PANEL EDGES TO BE H-CLIPPED AND 150MM O.C. AT INTERMEDIATE SUPPORT.

3.) SAWN LUMBER SHALL CONFORM TO CAN/CSA O86.1-M94 AND SHALL IDENTIFY LUMBER BY OFFICIAL GRADE MARKS.

4.) ALL WOOD FRAMING OR LUMBER USED IN THE MANUFACTURING OF COMPONENTS TO BE SPF. NO.2 OR BETTER, STAMPED SD OR KD WITH MAXIMUM 19% MOISTURE CONTENT

5.) ALL WOOD MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH MASONRY CONCRETE OR SOIL SHALL BE PRESSURE-TREATED.,

6.) PROVIDE ADDIT'L 5/8" UNDERLAYMENT WHERE CERAMIC FLOORING IS TO BE INSTALLED

7.) PROVDE SOLID BLOCKING UNDER ALL INTERIOR PARTITIONS PARALLEL TO FLOOR JOISTS & SOLID BLOCK ALL JOISTS & TRUSSES AT POINTS OF SUPPORT.

8.) THE SELECTED JOIST MANUFACTURER SHALL SUBMIT SHOP DRAWINGS & DESIGN NOTES WITH AN ENGINEER'S SEAL FOR REVIEW BY THE DESIGNER. INSTALLATION TO BE AS PER MANUFACTURERS SPECIFICATIONS

9.) ALL LVL MUST BE 2.0E 3100FB UNLESS NOTED OTHERWISE.

10.) SHOP DRAWINGS FOR TRUSSES AND PRE-ENGINEERED WOOD ELEMENTS (I-JOIST AND LAMINATED PRODUCTS) SHALL BE SINGLE-SOURCE AND STAMPED BY A PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN AND REGISTERED IN THE PROVINCE OF ONTARIO. SHOP DRAWINGS SHALL DETAIL ALL SIZES, SPACINGS AND LOCATION OF BRIDGING, BLOCKING, HANGERS, UPLIFT CLIPS, FASTENERS AND CONNECTOR TYPES. ALL ELEMENTS AND CONNECTORS ARE TO BE DESIGNED IN ACCORDANCE WITH O.B.C. REG. 332/12. SHOP DRAWINGS ARE TO BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION OF TRUSSES.

11.) THE SELECTED TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS & DESIGN NOTES WITH AN ENGINEER'S SEAL FOR REVIEW BY THE DESIGNER

12.) WOOD TRUSSES, BRIDGING AND BRACING DESIGN SHALL CONFORM TO CA/CSA O86.1-M94 FOR ENGINEERING DESIGN IN WOOD-LIMIT STATES DESIGN.

13.) DESIGN AND DETAIL ANCHORAGE FOR WIND UPLIFT FORCES IN ACCORDANCE WITH OBC. REQUIREMENTS

14.) MANIPULATION, INSTALLATION, TEMPORARY AND PERMANENT BRACING OF TRUSS MEMBERS AND ROOF SYSTEM MUST CONFORM TO GUIDELINES AND PROCEDURES NOTED ON THE BUILDING COMPONENT SAFETY INFORMATION GUIDE (BCSI) TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES.

15.) DO NOT CUT OR REMOVE ANY TRUSS MEMBERS.

16.) FRAMING ANCHORS SHALL BE ZINC COATED SHEET STEEL CONFORMING TO CSA STANDARDS.

17.) EACH TRUSS TO BE ANCHORED TO WOOD PLATES AND SHEATHING WITH TENSION ANCHORS BY SIMPSON OR EQUIVALENT.

18.) NAILS SHALL BE ZINC COATED CONFORMING TO CSA B11.

19.) NAILING OF FRAMING MEMBERS MUST CONFORM TO TABLE 9.23.3.4 AND TABLE 9.23.13.8 WITH MINIMUM PENETRATION IN SUPPORTING MEMBER OF 38 MM. GYPSUM BOARD TO BE FASTENED TO SUPPORTING MEMBERS WITH NAILS OR SCREWS CONFORMING TO THE GUIDELINES IN SECTION 9.29.5.

20.) FASTENINGS SHALL CONFORM TO O.B.C. REG. 332/12 SECTION 9.23.3.

21.) TWO- AND THREE-PLY CONVENTIONAL BEAMS TO BE ATTACHED TOGETHER USING 3" 10d SPIRAL WIRE NAILS @ 12" C/C IN 2, 3 AND 4 ROWS FOR 2X6, 2X8 AND 2X10 AND DEEPER BEAMS, RESPECTIVELY. NAILS TO BE DRIVEN FROM BOTH SIDES, STAGGERED FOR THREE-PLY BEAMS. FOUR-PLY CONVENTIONAL BEAMS TO BE ATTACHED TOGETHER USING 2 ROWS OF 6" LONG SSDS SCREWS @ 12" C/C ON BOTH SIDES, STAGGERED UNLESS NOTED OTHERWISE.

22.) TWO- AND THREE-PLY DROPPED LVL BEAMS TO BE ATTACHED TOGETHER USING 3-1/2" SPIRAL WIRE NAILS @ 12" C/C IN 3 ROWS FOR 9-1/2" TO 14" DEEP BEAMS AND 4 ROWS FOR 16" TO 18" DEEP BEAMS. NAILS TO BE DRIVEN FROM BOTH SIDES, STAGGERED FOR 3-PLY BEAMS. FOUR-PLY LVL BEAMS TO BE ATTACHED TOGETHER USING 2 ROWS OF 6" LONG SSDS SCREWS @ 24" C/C ON BOTH SIDES, STAGGERED UNLESS NOTED OTHERWISE.

23.) TWO- AND THREE-PLY BUILT-UP COLUMNS TO BE ATTACHED TOGETHER USING ONE ROW OF 3" 10d NAILS @ 12" C/C. FOUR- AND FIVE-PLY BUILT-UP COLUMNS TO BE ATTACHED TOGETHER USING ONE ROW OF 6" LONG SSDS SCREWS @ 24" C/C ON BOTH SIDES, STAGGERED.

24.) STUD WALL REINFORCEMENT IN THE MAIN BATHROOM FOR FUTURE INSTALLATION OF GRAB BARS AS PER SECTION 9.5.2.3.

25.) SILL PLATES SHALL BE MINIMUM 2X4 PT ANCHORED TO FOUNDATION WALL USING 12.5MM BOLTS AT MAXIMUM SPACING OF 2100MM. MINIMUM TWO BOLTS PER WALL SECTION. SET SILL PLATE IN A FULL BED OF MORTAR, OR ON TOP OF LEVELED FLAT FOUNDATION WALL AS PER SECTION 9.23.7.2. SEAL IN ACCORDANCE WITH SECTION 9.25.3.

26.) DRAINAGE OF FOOTING UNDER FOUNDATION WALL TO CONFORM TO SECTION 9.14.2.1. – PROVIDE MIN 4"ø WEEPING TILE @ PERIMETER AS PER O.B.C. 9.14.3 (TYP.'L'), PLATON OR MS DELTA MS DRAINAGE LAYER TO TOP OF FOOTING AS PER O.B.B. 9.14.2.1(2) TYPICAL

27.) ALL V.D.R.'S SHALL COMPLY TO C.G.S.B. STANDARDS

28.) PROVIDE METAL FLASHINGS @ ALL WALL/ROOF JUNCTIONS & OVER DOORS & WINDOWS

29.) PROVIDE ROOF VENTS AS PER O.B.C. REQ. MIN. 1/300 OF CEILING AREA DISTRIBUTED EVENLY w/ MIN. 25% OF REQ.'D @ BOT. OF SPACE – (ie: EAVES) & MINIMUM 25% OF REQ.'D @ TOP OF SPACE

GRAVITY LOADS:

Roof
Snow Factors
Ss = 2.4 KPa
Sr = 0.4 KPa
S = Ss*0.55 + Sr
Deflection due to Live Load = L/360
Deflection due to Total Load = L/360

Floor
Live load – 2.0 KPa
Dead Load – 0.70 KPa
Deflection due to Live Load = L/360
Deflection due to Total Load = L/240

FOOTINGS

1.) ALL FOOTINGS TO BEAR ON UNDISTURBED NATIVE MATERIAL OR COMPACTED GRANULAR WITH MINIMUM ALLOWABLE BEARING STRENGTH of 75 KPA TO BE CONFIRMED ON SITE BY A GEOTECHNICAL ENGINEER PRIOR TO POURING CONCRETE.

2.) THE GENERAL CONTRACTOR SHALL OBTAIN THE SOIL'S INVESTIGATION REPORT & ANALYSIS PRIOR TO POURING FOOTINGS. ALL REQUIREMENTS FOR THE SITE PREPARATION & SOIL COMPACTION SPECIFIED IN THE SOILS REPORT SHALL BE FOLLOWED UNLESS ADDITIONAL, MORE STRINGENT REQUIREMENTS ARE SPECIFIED. NOTIFY THE APPROPRIATE CONSULTING ENGINEER IF FOUNDATION CONDITIONS ENCOUNTERED DIFFER FROM SOILS EXPLORATION INFORMATION MADE AVAILABLE TO THE CONTRACTOR.

CONCRETE

1.) CONCRETE COVER CLEAR TO REINFORCING SHALL BE FOR UNDERSIDE OF:
FOOTINGS = 75MM
SLABS = 25 MM

2.) ALL CONCRETE WALLS & FOOTINGS TO BE 20 MPa
ALL WALL FOOTINGS TO BE 24"(W) x 8"(D) U.N.O.
(REFER TO FOUNDATION PLAN)

3.) FOUNDATION/FOOTINGS TO BE DESIGNED FOR 75 KPA ALLOWABLE SOIL BEARING CAPACITY

4.) ALL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS TO COMPLY WITH SECTION 9.3.1.6 OF O.B.C. REG. 332/12.

– BASEMENT SLAB	20 MPa
– GARAGE SLAB & EXTERIOR FLATWORK	32 MPa c/w 6-8% AIR
– REMAINING CONCRETE	25 MPa

5.) FOR EXP. FOUNDATION WALLS, USE CONCRETE WITH 6% AIR ENTRAINMENT

6.) FILL UNDER CONCRETE SLABS SHALL BE CLEAN SAND OR ROCK AND FREE OF DEBRIS AND OTHER DELETERIOUS MATERIAL. FILL SHALL BE COMPACTED

7.) ALL FOOTINGS TO BEAR ON UNDISTURBED NATIVE MATERIAL OR COMPACTED GRANULAR TO ADENSITY OF AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY, WITH MINIMUM ALLOWABLE BEARING STRENGTH of 75 KPA.
TO BE CONFIRMED ON SITE BY A GEOTECHNICAL ENGINEER PRIOR TO POURING CONCRETE.

8.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SPECIFIED STRENGTH & PROPER PLACING OF ALL CONCRETE AND POSITIONING OF ALL REINFORCING STEEL.

9.) CONCRETE MIXES TO COMPLY WITH SECTION 9.3.1.7 OF O.B.C. REG. 332/12.

CONCRETE MIXES

1.) CONCRETE MIXES TO COMPLY WITH SECTION 9.3.1.7 OF O.B.C. REG. 332/12.

2.) CONCRETE COMPRESSIVE STRENGTH AFTER 28 DAYS TO COMPLY WITH SECTION 9.3.1.6 OF O.B.C. REG. 332/12.

REINFORCING STEEL

1.) PROVIDE 2-10M REINFORCING BARS TOP & BOTTOM OF FOUNDATION WALLS c/w 24" LAPS.
SPACING OF BARS SHALL BE APPROXIMATELY UNIFORM WITHIN THE CORRESPONDING STRIPS. DO NOT ELIMINATE OR DISPLACE REINFORCEMENT TO ACCOMODATE HARDWARE. IF INSERTS CANNOT BE LOCATED AS SPECIFIED OBTAIN APPROVAL OF ALL MODIFICATIONS FROM ARCHITECT/ENGINEER BEFORE PLACING

2.) WHERE TENSION LAPS ARE SPECIFIED, LAP REINFORCING STEEL IN ACCORDANCE WITH THE REQUIREMENT OF CAN3-A23.3 LATEST EDITION. ALL OTHER LAPS AND EMBEDMENT OF DOWELS SHALL BE 40 BAR DIAMETERS BUT NOT LESS THAN 600MM IF NOT SPECIFIED OTHERWISE. WIRE MESH LAPS SHALL BE 150MM MINIMUM.

STRUCTURAL STEEL

STRUCTURAL STEEL SHALL COMPLY WITH CAN3-S16.1-M01 UNLESS NOTED OTHERWISE.

ITEM	APPLICABLE SPECIFICATIONS
ROLLED SECTIONS	G40.21M – 350W
HSS (TUBE) SECTIONS	G40.21M – 350W (CLASS H)
CONNECTOR BOLTS	A325 (BEARING TYPE)
ANCHOR BOLTS	A307

1.) ALL STEEL WORK SHALL BE GIVEN ONE COAT OF APPROVED PRIMER.

2.) FIELD AND SHOP CONNECTIONS SHALL BE WELDED OR HIGH TENSILE BOLTED (ASTM STANDARD A325)

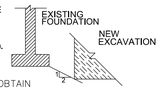
3.) WELDING SHALL CONFORM TO LATEST CSA SPECIFICATION W59 AND BE UNDERTAKEN BY A FABRICATOR APPROVED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA SPECIFICATION W47.1.

4.) ALL EXPOSED WELDS SHALL BE CONTINUOUS AND BE GROUND SMOOTH.

5.) ALL EXTERIOR EXPOSED STRUCTURAL STEEL SHALL BE GALVANIZED OR PAINTED WITH APPROVED RUST INHIBITIVE PAINT.

PROTECTION OF ADJACENT FOUNDATION:

1. PROTECT LATERAL STABILITY OF BEARING STRATA UNLESS NOTED
2. UNLESS OTHERWISE NOTED IN GEOTECHNICAL REPORT DO NOT EXCAVATE BELOW A LINE EXTENDING DOWNWARD FROM ANY BEARING STRATA AT A SLOPE OF 1 VERTICAL AND 2 HORIZONTAL.
3. ADJUST FOOTING AND TRENCH ELEVATIONS TO MEET THIS REQUIREMENT (SEE DIAGRAM).



NOTE:
IF THIS SLOPE IS NOT POSSIBLE, OBTAIN RECOMMENDATIONS FORM GEOTECHNICAL ENGINEER.

STAIR SPECIFICATIONS

- AS PER PART 9 OF O.B.C. 2012, REG. 332/12, SECTION 9.8.2, & TABLE 9.8.4.1.
- MINIMUM RISE = 125mm MAXIMUN RISE = 200mm
- MINIMUM RUN = 210mm MAXIMUN RUN = 355mm
- MINIMUM TREAD DEPTH = 235mm MAXIMUM TREAD DEPTH = 355mm
- MINIMUM HEADROOM = 1950mm

RAILING SPECIFICATIONS

- AS PER PART 9 OF O.B.C. 2012, REG. 332/12, SECTION 9.8.7
- ATTACH AS PER O.B.C. SECTION 9.8.7.7 (TYPICAL)
- THE HEIGHT SHALL BE MEASURED VERTICALLY FROM THE TOP OF THE HANDRAIL TO A STRAIGHT LINE DRAWN TANGENT TO THE TREAD NOSING OF THE STAIR
- MINIMUM = 865mm MAXIMUM = 965mm

GUARDS SPECIFICATIONS

AS PER O.B.C. SECTION 9.8.8)
GUARD RAILS AND HAND RAILS SHALL BE DESIGNED & CERTIFIED BY THE FABRICATOR'S PROFESSIONAL ENGINEER LICENCED IN THE PROVINCE OF ONTARIO IN ACCORDANCE WITH THE 2012 O.B.C.

GUARDS ARE REQUIRED ON DECKS AND OTHER WALKING SURFACES THAT EXTEND TO 23 5/8"(600mm) ABOVE GRADE & SHALL CONFORM TO THE LOADING CRITERIA IN PART 4 OF THE O.B.C. REG. 350/06 OR BE CONSTRUCTED AS SET OUT IN THE O.B.C. REG. 350/06 SUPPLEMENTARY STANDARD SB-7. (9.8.8).
FOR METAL GUARDS , SUPPLIERS SHOP DRAWINGS MUST BE CERTIFIED FOR DESIGN INSTALLATION CONFORMING TO O.B.C. REG. 332/12 4.1.5.15

MECHANICAL

** MECH. CONTRACTOR TO DETERMINE FURNACE & AIR CONDITIONER CAPACITY **

- PROVIDE FORCE AIR GAS HIGH EFFICIENCY FURNACE (MIN. 90% ENERGY RATING, OBC 12.3.1.2)
- AIR CONDITIONER
- DIRECT VENT GAS FIREPLACE
- HRV SYSTEM (SIMPLIFIED)
- HOT WATER TANK – (WATER EFFICIENCY OBC 7.6.4) (WATER TEMP. CONTROL OBC 7.6.5)
- ALL MECH'L EXHAUST FANS TO BE VENTED TO EXTERIOR

- HVAC INSTALLER TO REFER TO MECHANICAL DUCT DESIGN LAYOU BY OTHER CONSULTANT, & FOLLOW INSTALLATION REQUIREMENTS AS PER DESIGN LAYOUTS.
- HVAC INSTALLER SHALL NOT ALTER ANY DESIGN LAYOUTS OR DUCT SIZES UNLESS APPROVED BY THE HVAC DESIGN CONSULTANT.
- HVAC INSTALLER TO DETERMINE THERMOSTAT LOCATIONS FOR OPTIMUM PERFORMANCE
- HVAC INSTALLER TO REPORT ANY DISCREPANCIES TO THE GENERAL CONTRACTOR OR ARCHITECT SHOULD THERE BE ANY INTERFERANCE w/ INSTALLATION OF THE DUCTWORK

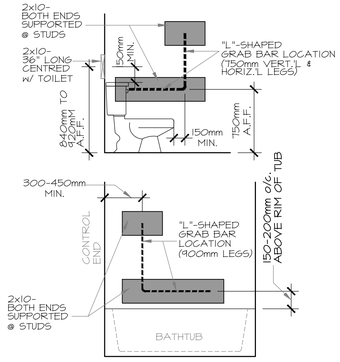
ELECTRICAL

- 200 AMP ELECTRICAL SERVICE WITH 64 CURCUIT BREAKER PANEL
- ALL SMOKE/CARBON MONOXIDE DETECTORS TO BE INTER-CONNECTED c/w BATTERY BACK-UP

BATHROOMS

- 1/2" DENSEBOARD TILE BACKERBOARD FOR SHOWER & TUB ENCLOSURE WALLS
- PROVIDE WATERPROOF WALL FINISH AROUND TUB/SHOWERS AS PER 9.29.2.1
(– MIN. 1800mm (5'-11") ABOVE FLOOR OF SHOWER STALLS)
(– MIN. 1200mm (3'-11") ABOVE RIM OF TUBS WITH A SHOWER)
(– MIN. 400mm (15.75") ABOVE RIM OF TUBS WITHOUT A SHOWER)

- 9.5.2.3 – PROVIDE STUD WALL REINFORCEMENT FOR FUTURE INSTALLATION IF GRAB BARS LOADING AS PER O.B.C. 9.31.2.3
- GRAB BARS LOCATIONS FOR WATER CLOSETS & SHOWERS, AS PER O.B.C. 3.8.3.8



GRAB BAR FRAMING DETAILS

STANDARD SYMBOLS

- (#) REFERS TO CONSTRUCTION NOTES
- (#) REFERS TO WINDOW LABELS
- (#) REFERS TO DOOR LABELS
- (#) REFERS TO STRUCTURAL INFORMATION
- [#] REFERS TO STEEL BEAM LEGEND
- (SA) SANITARY SEWER PIPE
- (SL) SUMP LINE w/ BACKFLOW PREVENTOR
- (W) WATER SEVICE-19mm
- DCBH DROPPED CEILING BULKHEAD
- HB NON-FREEZE HOSE BIB
- BBQ GAS BBQ ROUGH-IN
- ROUGH-IN GAS LINE
- FD FLOOR DRAIN
- SEPARATION OF FLR. FINISHES
- (F) MECHANICAL EXHAUST FAN VENTED TO EXTERIOR
- SMOKE ALARM / CO COMBO SMOKE ALARM/CARBON MONOXIDE DETECTOR, INTER-CONNECTED
- SMOKE DETECTOR, INTER-CONNECTED
- (FJ) PRE-ENGINEERED FLOOR JOISTS INSTALLATION AS PER MANUFACTURERS SPECS. REFER TO FLOOR FRAMING PLAN BY SUPPLIER
- (RT) PRE-ENGINEERED ROOF TRUSSES @ 24" o/c.
- (GT) GIRDER TRUSS

(*) = WELDED CONNECTION – SEE DETAIL 9A/S1
= POINT LOAD ABOVE
(FJP) = REFERS TO FLOOR JOIST PLAN BY OTHERS
(FL.) = FLUSH JOISTS/BEAMS/LINTELS
(DR.) = DROPPED JOISTS/BEAMS/LINTELS
STL. BM. = REFERS TO STEEL BEAM
WD. PL. = REFERS TO WOOD PLATE
BRK. PL. = REFERS TO BRICK PLATE

STRUCTURAL LEGEND

MASONRY SUPPORT TABLE

STEEL LINTEL NO.	OPENING'S UP TO	BRICK VENEER (O.B.C.-9.20.5.2.A.) (SHORT LEG HORIZONTAL)	STONE VENEER (O.B.C.-9.20.5.2.A.) (5" LEG HORIZONTAL)
S1	3'-11"	L 3½" x 3½" x ¼"	L 5" x 3½" x 5/16"
S2	4'-11"	L 3½" x 3½" x 5/16"	L 5" x 3½" x 5/16"
S3	5'-11"	L 4" x 3½" x 5/16"	L 5" x 5" x 5/16"
S4	6'-11"	L 4" x 3½" x 5/16"	L 5" x 5" x 5/16"
S5	7'-10"	L 5" x 3½" x 5/16"	L 5" x 5" x 5/16"
S6	8'-10"	L 5" x 3½" x 3/8"	L 5" x 5" x 3/8"
S7	9'-10"	L 6" x 4" x 3/8"	L 5" x 5" x 1/2"

WOOD LINTEL

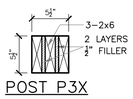
L1 – 2 – 2 x 10 w/ (2)1/2" PLYWOOD SPACER
L2 – 2 – 2 x 10
L3 – 3 – 2 x 10
L4 – 2 – 2 x 12
L5 – 3 – 2 x 12
L6 – 1 – 1 3/4" x 9 1/2" L.V.L. (2.0E TYP'L)
L7 – 2 – 1 3/4" x 9 1/2" L.V.L. (2.0E TYP'L)
L8 – 3 – 1 3/4" x 9 1/2" L.V.L. (2.0E TYP'L)
L9 – 4 – 1 3/4" x 9 1/2" L.V.L. (2.0E TYP'L)
L10 – 1 – 1 3/4" x 11 7/8" L.V.L. (2.0E TYP'L)
L11 – 2 – 1 3/4" x 11 7/8" L.V.L. (2.0E TYP'L)
L12 – 3 – 1 3/4" x 11 7/8" L.V.L. (2.0E TYP'L)
L13 – 4 – 1 3/4" x 11 7/8" L.V.L. (2.0E TYP'L)
L14 – 1 – 1 1/2" x 14" L.V.L. (2.0E TYP'L)
L15 – 2 – 1 1/2" x 14" L.V.L. (2.0E TYP'L)
L16 – 3 – 1 1/2" x 14" L.V.L. (2.0E TYP'L)
L17 – 4 – 1 1/2" x 14" L.V.L. (2.0E TYP'L)
L18 – 3 – 2 x 10 c/w 2-1/2" PLYWOOD SPACERS
L19 – 3 – 2 x 6
L20 – 2 – 2 x 8
L21 – 3 – 2 x 8

POSTS AND LINTELS STEEL STUD SYSTEM

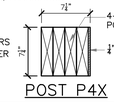
REFER TO DRAWING S3 FOR ALL POST AND LINTEL INFORMATION WITH RESPECT TO THE STEEL STUD SYSTEM INCLUDING GAUGE AND FASTENING OF COMPONENTS

POSTS

P1 – HEAVY DUTY 3"ø ONE PIECE STEEL POST
P2 – 2 – 2x4 or 2 – 2x6 (AS PER WALL THICKNESS)
P3 – 3 – 2x4 or 3 – 2x6 (AS PER WALL THICKNESS)
P4 – 4 – 2x4 or 4 – 2x6 (AS PER WALL THICKNESS)
P5 – 5 – 2x4 or 5 – 2x6 (AS PER WALL THICKNESS)
P6 – 6 – 2x4 or 6 – 2x6 (AS PER WALL THICKNESS)
P7 – HSS 3" x 3" x 0.188
P7A – USP REDD JACK T2JPHD SERIES (4" ADJUSTMENT) MEASURE ON SITE PRIOR TO ORDERING
P8 – HSS 4" x 4" x 0.25
P9 – HSS 4.5" x 4.5" x 0.188
P10 – 4 x 4 PRESSURE TREATED POST
P11 – 6 x 6 PRESSURE TREATED POST
P12 – H.S.S. 3.5" x 3.5" x 0.188
P13 – H.S.S. 8" x 8" x 0.188
P14 – 4-PLY 1 3/4" x 7 1/4" LVL COL. (2.0E 3000FB)
P15 – 5.25 x 5.25 x 1.8E PSL
– ALL STEEL POSTS TO BE WELDED TO BEAMS & ANCHORED TO FOUNDATION WALL OR FOOTINGS
– DELETE ANCHORS WHERE POST BEARS ON STEEL BEAM
– ALL STEEL BEAMS LENGTHS TO BE VERIFIED ON SITE PRIOR TO ORDERING/FABRICATION



POST P3X



POST P4X

FOUNDATION (75KPA ALLOWABLE SOIL BEARING CAPACITY)

F24 24" x 24" x 8" POURED CONCRETE PAD FOOTING
F36 36" x 36" x 10" POURED CONCRETE PAD FOOTING c/w 4-15M BAR EA. WAY BOTTOM (TYPICAL)
F72 72" x 72" x 12" POURED CONCRETE PAD FOOTING c/w 7-15M x 5'-6" Lg. BAR EA. WAY BOT. (TYP.'L)
F84 84" x 84" x 12" POURED CONCRETE PAD FOOTING c/w 8-15M x 6'-6" Lg. BAR EA. WAY BOT. (TYP.'L)

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Information as per the O.B.C., Schedule 1, Designer Information

Construction Lines
phone (613) 853-4653
Firm BCIN: 105621

Brian J. Sindall
Individual BCIN: 22145

I review and take responsibility for the design work on behalf of a firm registered under subsection 2.17.4 of the Ontario Building Code, I am qualified and the firm is registered in the appropriate classes and categories.

ASSOCIATION OF ARCHITECTURAL TECHNOLOGISTS OF ONTARIO
10 - 1372
Brian John Sindall, M.A.A.T.O.

Brian J. Sindall, M.A.A.T.O. 76-1372
(original signature appears in colored ink)

LICENSED PROFESSIONAL ENGINEER
P.M. TREVISAN
100136551
March 8th, 2021
PROVINCE OF ONTARIO

STRUCTURAL REVIEW ONLY

NO.	REVISION	(dd/mm/yyyy)
2	ISSUED FOR PERMIT	02/03/2021
1	ISSUED FOR STRUCTURAL REVIEW/PRICING	09/02/2021

DRAWING: . DRAWING NOTES

PROJECT:
Proposed Triplex (3 Unit Dwelling)
2490 Kaladar Avenue
Ottawa, ON

DEVELOPER:

CONSULTANT:
CANTERRA DESIGN + BUILD
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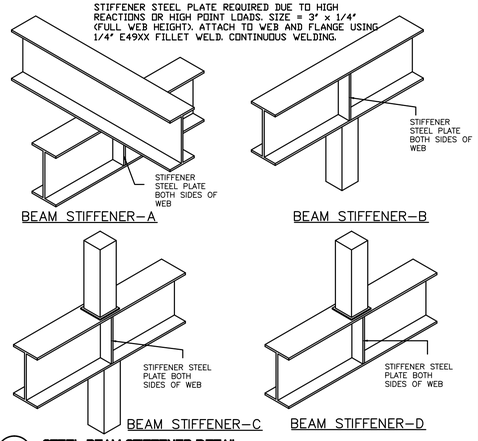
W. CANTERRADESIGN.COM

INDIVIDUAL BCIN:
FIRM BCIN:
DATE:
I review & take responsibility for the design work on behalf of a firm registered under subsection 3.2.4 of the OBC. I am qualified, & the firm is registered in the appropriate classes/ categories.
SIGNATURE:

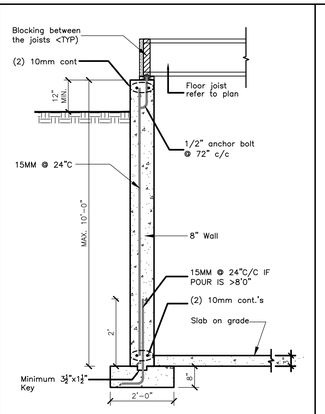
THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION UNTIL SIGNED BY THE DESIGN CONSULTANT

SCALE:	AS NOTED
DATE:	AS NOTED
DRAWN BY:	C. ZACCONI
SHEET NO.	1 OF 4

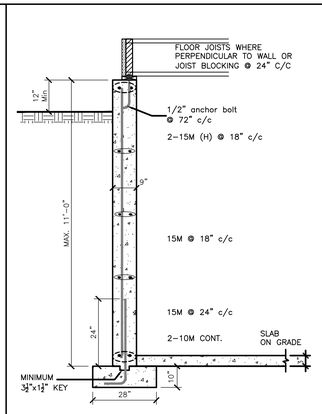
DRAWING NO.: S0



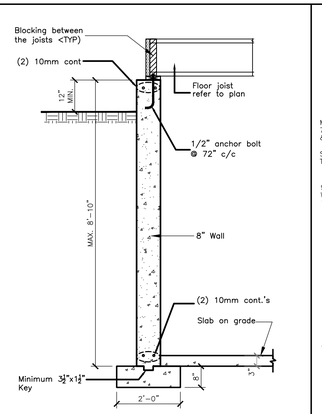
1 S1 **STEEL BEAM STIFFENER DETAIL**



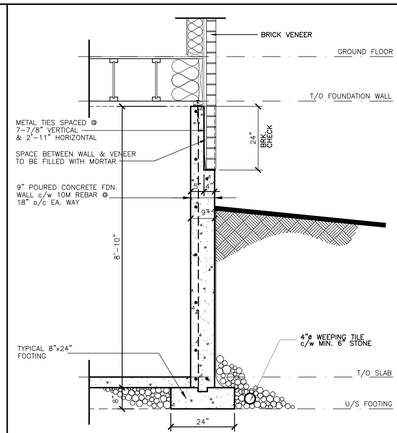
10 S1 **TYPICAL FOUNDATION WALL DETAIL for MAX. 9ft. BACKFILL**



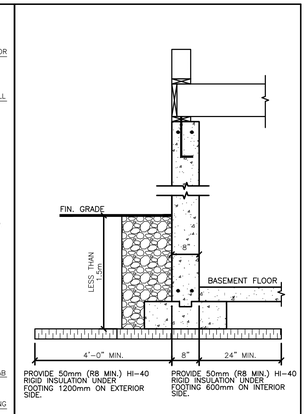
10A S1 **DETAIL FOR REINFORCEMENT of 10'-11" (HIGH) FOUNDATION WALL**



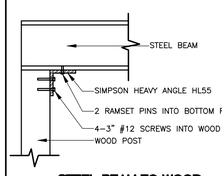
12 S1 **TYPICAL STANDARD FOUNDATION WALL DETAIL FOR MAX. 8ft. BACKFILL**



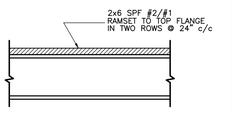
14 S1 **TYPICAL FOUNDATION WALL REINFORCING c/w BRICK CHECK**



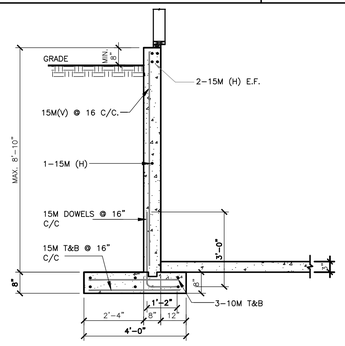
15 S1 **FROST PROTECTION WHERE GRADE ACHIEVES LESS THAN 1.5m COVERAGE FOR FOOTING**



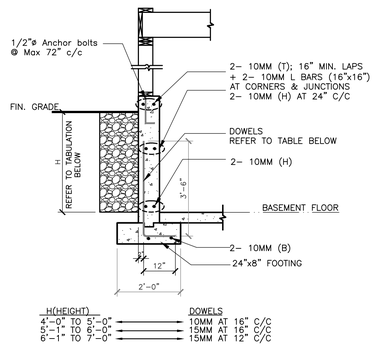
2 S1 **STEEL BEAM TO WOOD COLUMN CONNECTION**



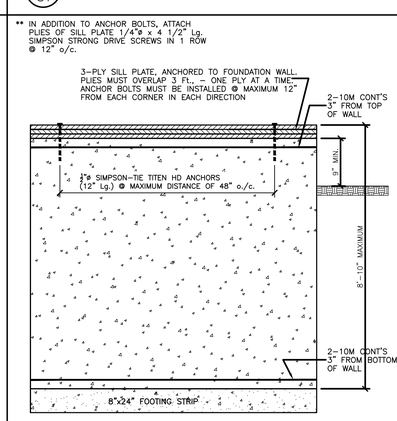
3 S1 **TYPICAL 2x6 CONNECTION TO TOP OF ALL DROPPED BEAMS**



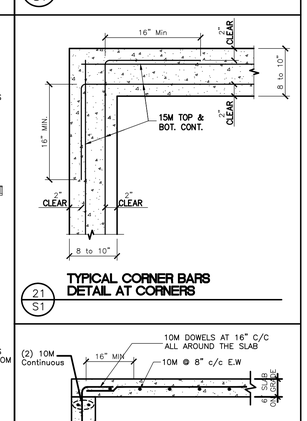
11 S1 **TYPICAL FOUNDATION DETAIL for LATERALLY UNSUPPORTED WALL (For walls higher than 7FT.)**



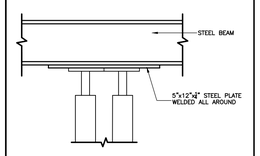
13 S1 **TYPICAL FOUNDATION DETAIL for LATERALLY UNSUPPORTED WALL (For walls up to 7FT.)**



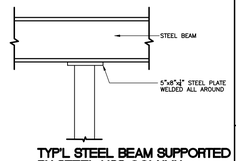
18 S1 **ANCHORAGE DETAIL OF 3-PLY SILL PLATE FOR SINGLE LEVEL RESIDENTIAL DWELLING**



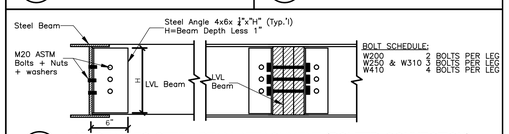
21 S1 **TYPICAL CORNER BARS DETAIL AT CORNERS**



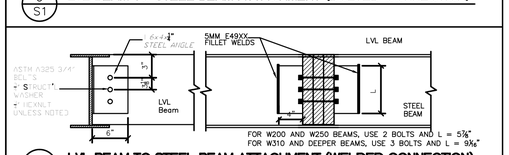
4 S1 **STEEL BEAM SUPPORTED BY DOUBLE TELPOST**



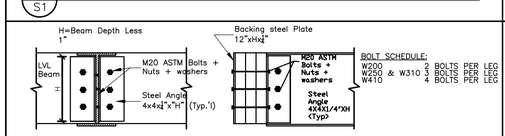
5 S1 **TYP'L STEEL BEAM SUPPORTED BY STEEL HSS COLUMN, MAX. 4x4 or RHS MAX. Diam. 4"**



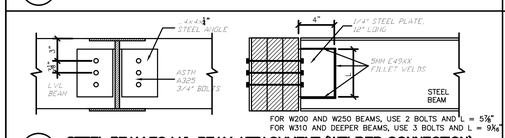
6 S1 **LVL BEAM TO STEEL BEAM ATTACHMENT (BOLTED CONNECTION)**



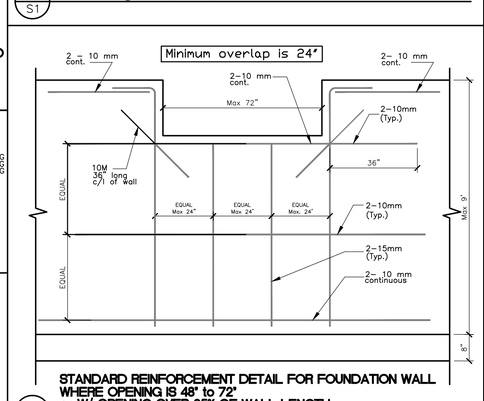
6A S1 **LVL BEAM TO STEEL BEAM ATTACHMENT (WELDED CONNECTION)**



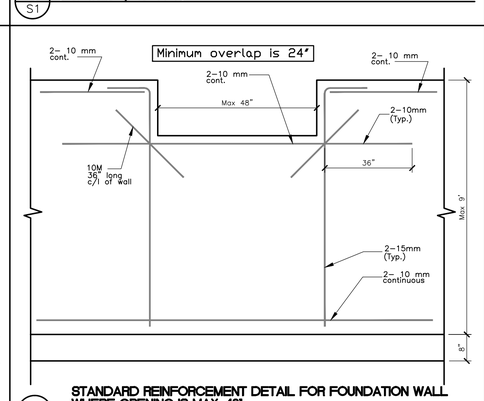
7 S1 **STEEL BEAM TO LVL BEAM ATTACHMENT (BOLTED CONNECTION)**



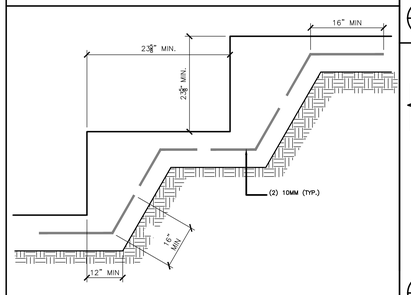
7A S1 **STEEL BEAM TO LVL BEAM ATTACHMENT (WELDED CONNECTION)**



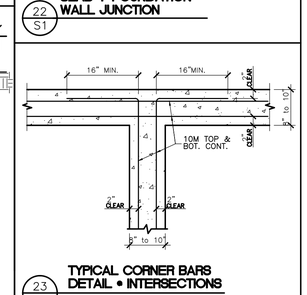
16 S1 **STANDARD REINFORCEMENT DETAIL FOR FOUNDATION WALL WHERE OPENING IS 48" to 72" or W/ OPENING OVER 25% OF WALL LENGTH**



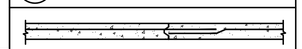
17 S1 **STANDARD REINFORCEMENT DETAIL FOR FOUNDATION WALL WHERE OPENING IS MAX. 48"**



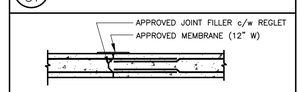
19 S1 **TYP'L STEPPED FOOTING REINFORCEMENT**



23 S1 **TYPICAL CORNER BARS DETAIL • INTERSECTIONS**

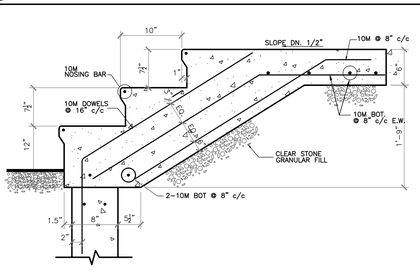


24 S1 **SLAB ON GRADE CONSTRUCTION JOINT**

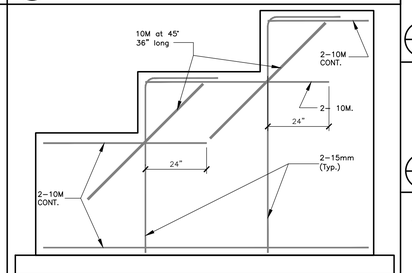


25 S1 **CONSTRUCTION JOINT (Standard Walls)**

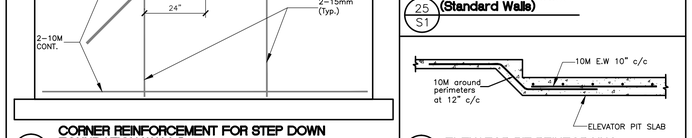
22 S1 **SLAB + FOUNDATION WALL JUNCTION**



9 S1 **TYPICAL STEP/PORCH REINFORCEMENT**



20 S1 **CORNER REINFORCEMENT FOR STEP DOWN FOUNDATION WALLS**



26 S1 **ELEVATOR PIT REINFORCING**

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LICENSED PROFESSIONAL ENGINEER
R.M. TREVISAN
100136551
March 8th, 2021
PROVINCE OF ONTARIO

STRUCTURAL REVIEW ONLY

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DEVELOPER:

CONSULTANT:
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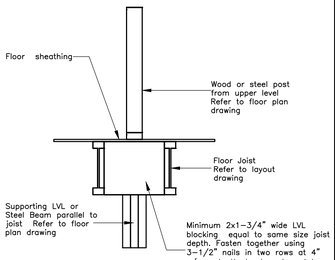
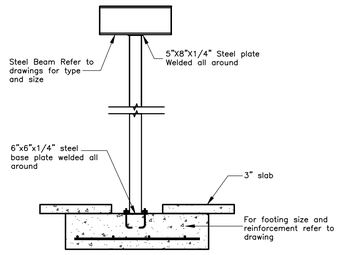
DRAWN BY:	C. ZACCONI
SHEET NO.	1 OF 4

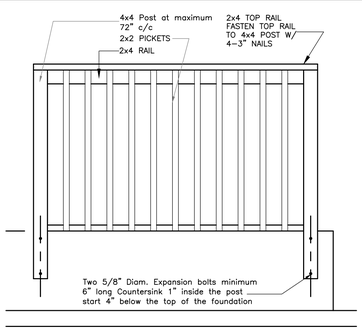
DRAWING NO.
S1



DETAIL #1
1 / S2 **Load Transfer with blocking in floor cavity**



5 / S2 CONNECTION BETWEEN STEEL BEAM, STEEL POST, & FOOTING



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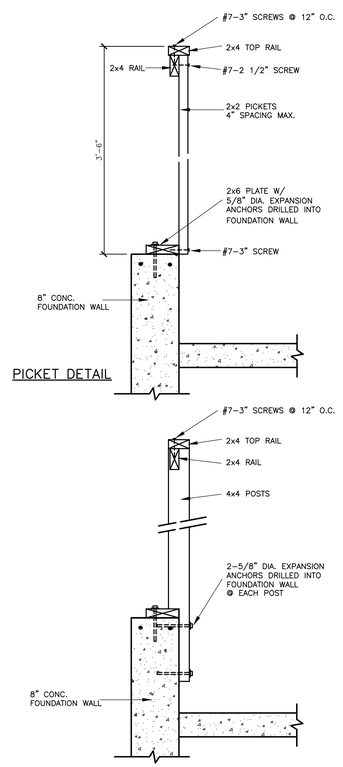
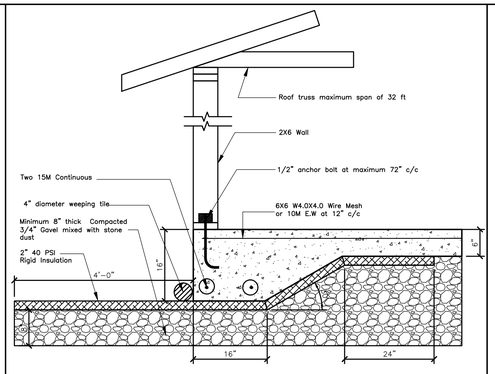
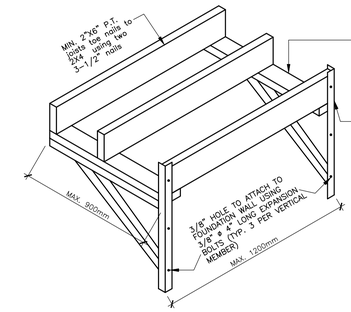


PICKET DETAIL

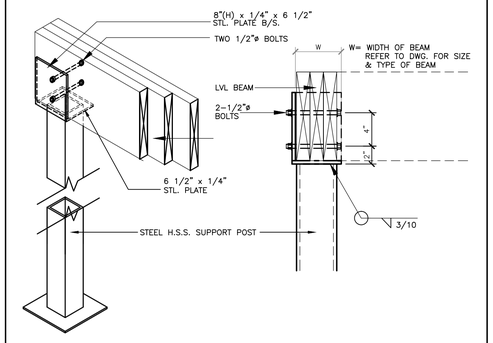
10 / S2 GUARD IN GARAGE • STAIR TO BASEMENT



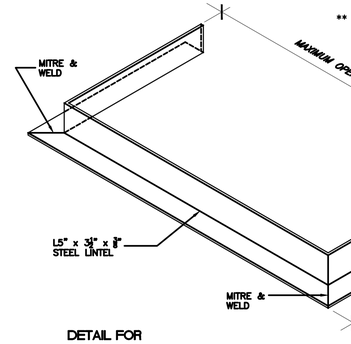
12 / S2 **FLOATING SLAB FOUNDATION**



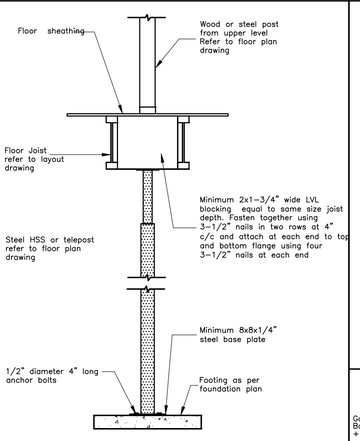
13 / S2 **PORCH DECK SUPPORT STEEL BRACKET**



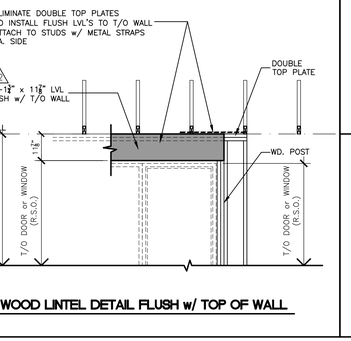
14 / S2 **P7 COLUMN BRACING DETAIL (2 STOREY)**



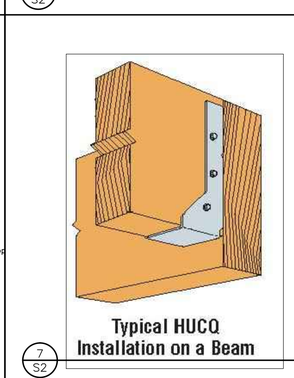
DETAIL FOR
15 / S2 **MASONRY ANGLE TO SUPPORT MASONRY ON CHIMNEY STACK**



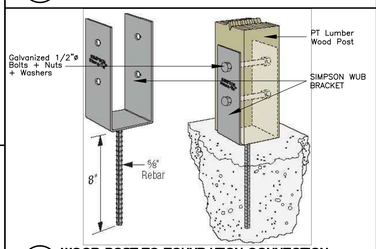
DETAIL #1
3 / S2 **Load Transfer with blocking in floor cavity**



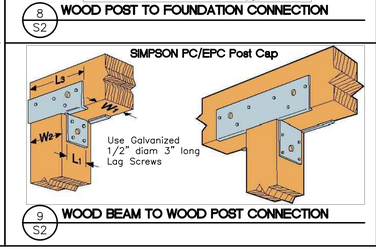
DETAIL #2
2 / S2 **Load Transfer with blocking in floor cavity**



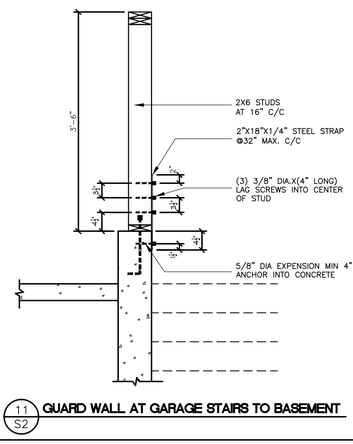
7 / S2



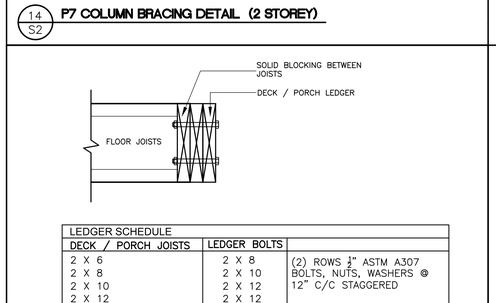
6 / S2 **EXTERIOR CONNECTION BETWEEN LVL or WOOD COMPONENT TO STEEL POST + FOOTING**



8 / S2 **WOOD POST TO FOUNDATION CONNECTION**

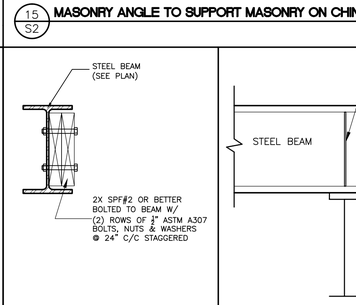


11 / S2 **GUARD WALL AT GARAGE STAIRS TO BASEMENT**

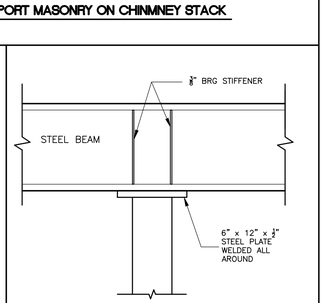


LEDGER SCHEDULE		
DECK / PORCH JOISTS	LEDGER BOLTS	
2 X 6 2 X 8 2 X 10 2 X 12	2 X 8 2 X 10 2 X 12 2 X 12	(2) ROWS ½" ASTM A307 BOLTS, NUTS, WASHERS @ 12" C/C STAGGERED

16 / S2 **LEDGER DETAIL**



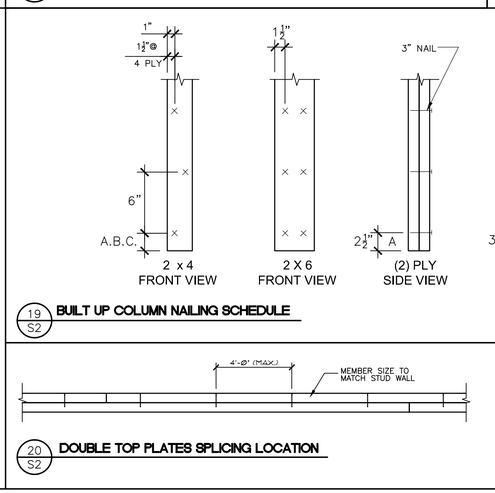
17 / S2 **WEB BACKING**



18 / S2 **STEEL BEAM TO HSS CONNECTION**

4 / S2 **WOOD LINTEL DETAIL FLUSH w/ TOP OF WALL**

9 / S2 **WOOD BEAM TO WOOD POST CONNECTION**



19 / S2 **BUILT UP COLUMN NAILING SCHEDULE**

20 / S2 **DOUBLE TOP PLATES SPLICING LOCATION**

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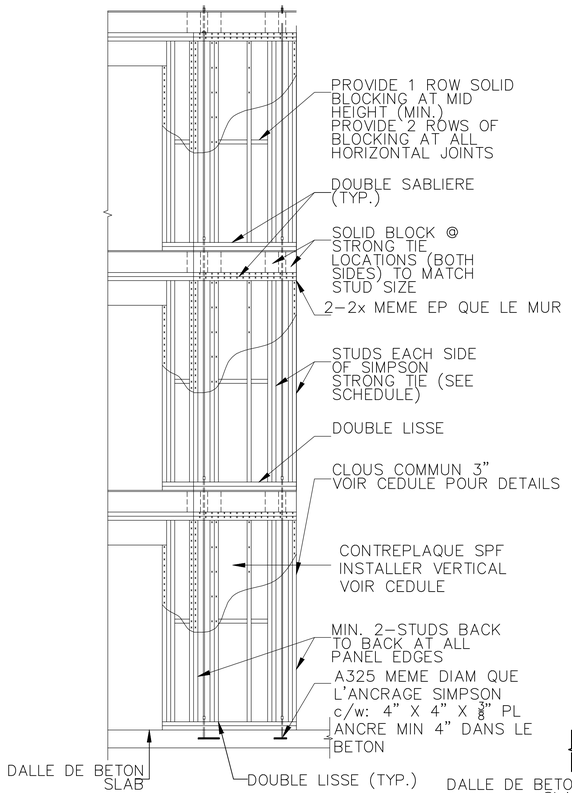
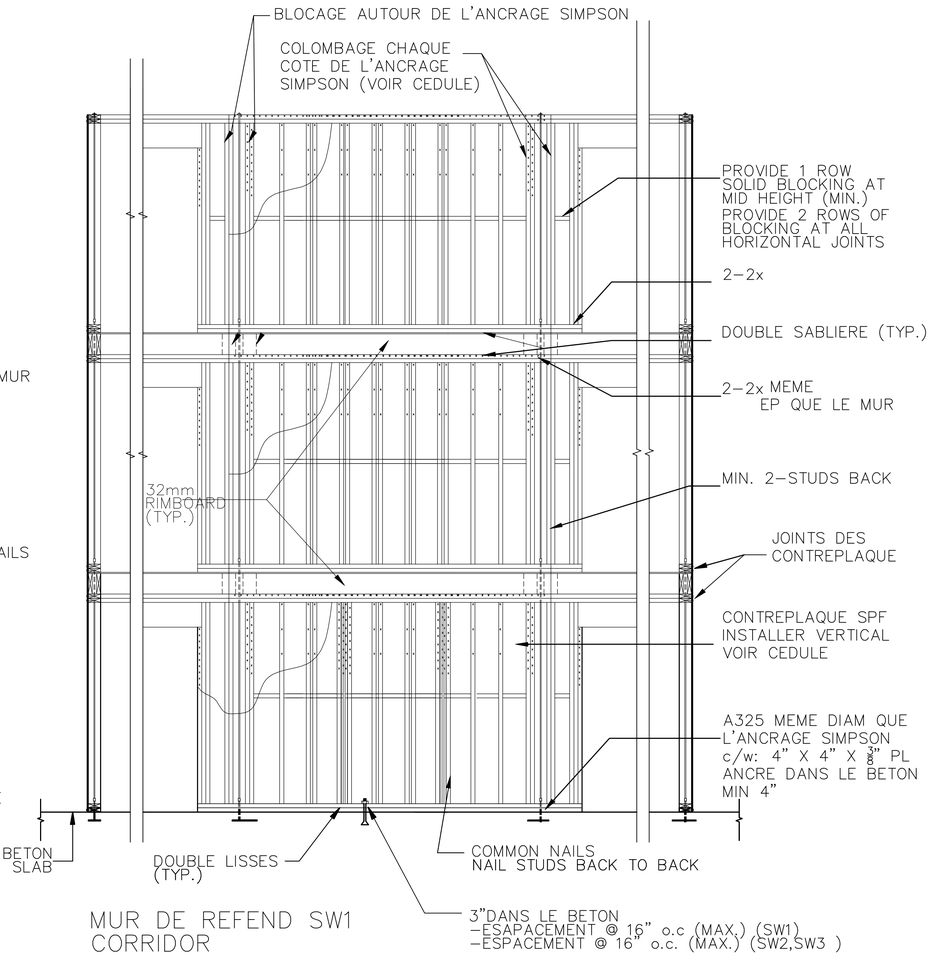


MUR DE REFEND SW2
MUR MITOYEN ENTRE UNITE



MUR DE REFEND SW1
CORRIDOR

STEEL STUD EXTERIOR WALL OPENINGS TRACK

MAXIMUM OPENING SIZE	LOCATION	SIZE	TYPE	NOTES
<72"	TOP TRACK	600T120 - 43 + 600t125-43		SEE DETAIL 10 / S0.2
	BOTTOM TRACK	600T120 - 43		SEE DETAIL 12 / S0.3
73" - 96"	TOP TRACK	600T120 - 54 + 600t125-54		SEE DETAIL 10 / S0.2
	BOTTOM TRACK	600T120 - 54		SEE DETAIL 12 / S0.3

NOTE:
1-ROXUL INSULATION TO BE PLACED IN CREATED VOIDS OF ALL STEEL STUD POSTS, OPENINGS HEADS AND OPENINGS SILLS PRIOR TO COMPLETION OF ELEMENTS

STEEL STUD EXTERIOR WALL BUILT-UP POSTS

TYPE	SIZE	SHAPE	VERTICAL SCREW FASTENING SCHEDULE
SP1	(2) - 600S162-43 + (2) - 600T125-43		16" C/C SEE DETAIL 15/S0.03
SP2	(3) - 600S162-43 + (3) - 600T125-43		16" C/C SEE DETAIL 15/S0.03
SP3	(4) - 600S162-43 + (4) - 600T125-43		16" C/C SEE DETAIL 15/S0.03
SP4	(5) - 600S162-43 + (5) - 600T125-43		16" C/C SEE DETAIL 15/S0.03
SP5	(2) - 600S162-54 + (2) - 600T125-54		16" C/C SEE DETAIL 15/S0.03
SP6	(3) - 600S162-54 + (3) - 600T125-54		16" C/C SEE DETAIL 15/S0.03
SP7	(4) - 600S162-54 + (4) - 600T125-54		16" C/C SEE DETAIL 15/S0.03
SP8	(5) - 600S162-54 + (5) - 600T125-54		16" C/C SEE DETAIL 15/S0.03

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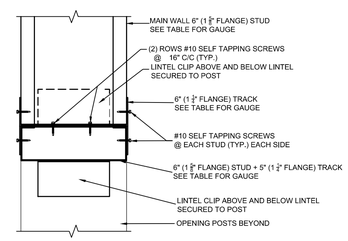
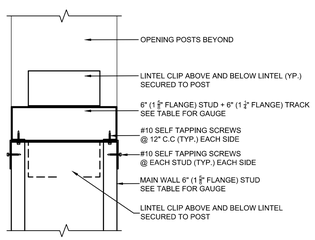


16 S3 STEEL STUD HEAD FRAMING DETAIL
SCALE:



17 S3 STEEL STUD SILL FRAMING DETAIL
SCALE:

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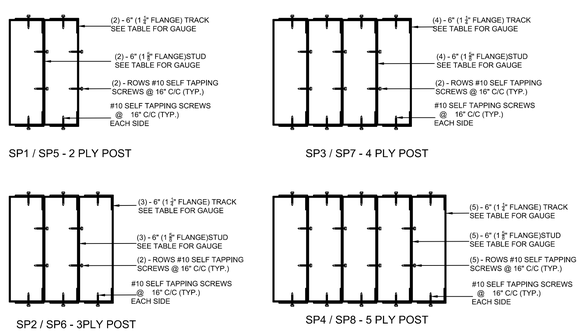

14 S0.2 STEEL STUD POST DETAILS
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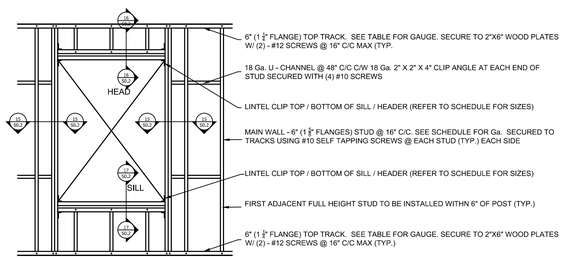

15 S3 STEEL STUD FRAMING ELEMENTS
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