

GENERAL NOTE
 HEADERS SIZES
 ALL REQUIRED HEADERS
 TO BE SIZED BY TRUSS
 MANUFACTURE AS CLEAR
 TRUSS SPAN EXCEEDS
 32'-2"

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

1-A2

NO.	SIZE	QTY.	SILL HT.	TYPE	CLASS	COMMENTS
W1	30x80-1/2	8	39	CASEMENT	R	
W2	37-1/2x63-1/2	4	22	CASEMENT	R	
W3	51x36-1/2	4	45	CASEMENT	R	

NO.	SIZE	TYP.	SWING	H.WARE	QTY.	COMMENTS
D1	36x80	EXT./INSUL.	L.H.	SEC. c/w D.B.	2	EXTERIOR DOORS TO BE FITTING w/ A VIEW FINDER OR GLAZING
D2	36x80	EXT./INSUL.	R.H.	SEC. c/w D.B.	2	EXTERIOR DOORS TO BE FITTING w/ A VIEW FINDER OR GLAZING
D3	9'x7'	INT./H.C.	O.H.	SEC.	4	TO BE EQUIPPED w/ AUTOMATIC CEILING MOUNTED OPENER
D4	34x80	EXT./INSUL.	L.H.	L.H.	2	c/w CLOSURE
D5	34x80	EXT./INSUL.	R.H.	SEC. c/w D.B.	2	c/w CLOSURE
D6	34x80	INT./H.C.	R.H.	PRIVACY	2	
D7	34x80	INT./H.C.	L.H.	PRIVACY	2	
D8	30x80	INT./H.C.	R.H.	PRIVACY	2	
D9	30x80	INT./H.C.	L.H.	PRIVACY	2	
D10	30x80	INT./H.C.	R.H.	CLOSET	2	
D11	30x80	INT./H.C.	L.H.	CLOSET	2	
D12	36x80	INT./H.C.	R.H.	PRIVACY	4	
D13	36x80	INT./H.C.	L.H.	PRIVACY	4	
D14	2-30x80	INT./H.C.	BF.FOLD	CLOSET	4	
D15	2-24x80	INT./H.C.	BF.FOLD	CLOSET	4	
D16	36x80	EXT./INSUL.	L.H.	SEC. c/w D.B.	2	EXTERIOR DOORS TO BE FITTING w/ A VIEW FINDER OR GLAZING
D17	36x80	EXT./INSUL.	R.H.	SEC. c/w D.B.	2	EXTERIOR DOORS TO BE FITTING w/ A VIEW FINDER OR GLAZING

CONSTRUCTION ASSEMBLIES

- (FW1) FOUNDATION WALL 1
 2" R10 BELOW GRADE RIGID INSULATION
 INSTALLED TO 24" BELOW GRADE MIN.
 WATER PROOFING MEMBRANE (BLUE-SKIN)
 2 LAYERS OF ROLL APPLIED DAMP PROOFING
 11 1/2" POURED CONCRETE FOUNDATION WALL
 w/ MIN. 2-15M REBAR SPACED @ 24" o/c
 HORIZONTALLY & VERTICALLY @ 48" o/c
- (FW2) FOUNDATION WALL 2
 2" R10 BELOW GRADE RIGID INSULATION
 INSTALLED TO 24" BELOW GRADE MIN.
 WATER PROOFING MEMBRANE (BLUE-SKIN)
 2 LAYERS OF ROLL APPLIED DAMP PROOFING
 9 1/2" POURED CONCRETE FOUNDATION WALL
 c/w MIN. 15M REBAR SPACED @ 24" o/c
 HORIZONTALLY & VERTICALLY @ 48" o/c
- (FW3) FOUNDATION WALL 3
 2 LAYERS OF ROLL APPLIED DAMP PROOFING
 7 1/2" POURED CONCRETE FOUNDATION WALL
 c/w MIN. 15M REBAR SPACED @ 24" o/c
 HORIZONTALLY & VERTICALLY @ 48" o/c
- (FW4) FOUNDATION WALL 4
 2" R10 BELOW GRADE RIGID INSULATION
 INSTALLED TO 24" BELOW GRADE
 2 LAYERS OF ROLL APPLIED DAMP PROOFING
 7 1/2" POURED CONCRETE FOUNDATION WALL
 c/w MIN. 15M REBAR SPACED @ 24" o/c
 HORIZONTALLY & VERTICALLY @ 48" o/c
- (EW1) EXTERIOR WALL 1
 3 1/2" BRICK CLADDING TO 36" FROM GRADE c/w
 6" FROST PROTECTION AND
 VERTICAL BOARD AND BATON SIDING
 (HARDI-BOARD) FROM 36" ABOVE GRADE TO
 U/S OF SOFFIT c/w
 1" AIR SPACE
 1x3 STRAPPING @ 16" o/c
 SPUN-BONDED POLYETHYLENE AIR BARRIER,
 TAPED AND SEALED AT ALL OPENINGS AND
 PENETRATIONS
 2" R-10 RIGID INSULATION
 1/2" PLYWOOD SHEATHING
 2x6 STUDS AT 16" o/c
 R22 FIBERGLASS BATT INSULATION
 6 mil POLYETHYLENE VAPOR BARRIER
 5/8" GYPSUM BOARD
- (EW2) EXTERIOR WALL 2
 HORIZONTAL VINYL SIDING
 SPUN-BONDED POLYETHYLENE AIR BARRIER,
 TAPED AND SEALED AT ALL OPENINGS AND
 PENETRATIONS
 2" R-10 RIGID INSULATION
 1/2" PLYWOOD SHEATHING
 2x6 STUDS AT 16" o/c
 R22 FIBERGLASS BATT INSULATION
 6 mil POLYETHYLENE VAPOR BARRIER
 5/8" GYPSUM BOARD
- (IW1) INTERIOR WALL 1 - 45 MIN FIRE SEPARATION
 (SIMILAR TO MMAH 5B-3 W13b)
 5/8" GYPSUM BOARD
 2 ROWS OF 2x4 STUDS @ 16" o/c STAGGERED
 ON SEPARATE 2x4 PLATES SPACED 1" APART
 3 1/2" R 12 FIBERGLASS BATT INSULATION IN
 EACH STUD CAVITY
 6 mil POLYETHYLENE VAPOR BARRIER
 RESILIENT CHANNEL @ 16" o/c
 5/8" GYPSUM BOARD
- (IW2) INTERIOR WALL 2
 1/2" GYPSUM BOARD
 1x3 STRAPPING @ 16" o/c
 2" R10 RIGID INSULATION
 SPUN-BONDED POLYETHYLENE AIR BARRIER,
 TAPED AND SEALED AT ALL OPENINGS AND
 PENETRATIONS
 2x6 STUDS @ 16" o/c
 R 22 FIBERGLASS BATT INSULATION
 6 mil POLYETHYLENE VAPOR BARRIER
 1/2" GYPSUM BOARD
- (IW3) INTERIOR WALL 3
 (ALL INTERIOR PARTITIONS TO BE 'IW3'
 UNLESS NOTED OTHERWISE)
 1/2" GYPSUM BOARD
 2x4 STUDS @ 16" o/c
 1/2" GYPSUM BOARD
- (F1) FLOOR ASSEMBLY
 4" POURED CONCRETE SLAB ON GRADE c/w
 6x6 WELDED WIRE MESH AND MID DEPTH
 HYDRONIC IN FLOOR HEATING
 2" R-10 BELOW GRADE RIGID INSULATION
 6mil POLYETHYLENE VAPOR BARRIER
 COMPACTED GRANULAR FILL COMPACTED
 TO 98% PROC. ON UNDISTURBED GROUND
- (F2) FLOOR ASSEMBLY
 4" POURED CONCRETE SLAB ON GRADE c/w
 6x6 WELDED WIRE MESH AND MID DEPTH
 COMPACTED GRANULAR FILL COMPACTED
 TO 98% PROC. ON UNDISTURBED GROUND
- (R1) ROOF ASSEMBLY - 45min FIRE SEPARATION
 ASPHALT SHINGLES
 SYNTHETIC ROOF UNDERLAY OVER
 5/8" OSB SHEATHING c/w
 2 ROWS OF ICE AND WATER SHIELD
 MEMBRANE AT EAVES AND IN VALLEYS
 PRE-ENGINEERED ROOF TRUSSES @ 24" o/c
 R60 BLOWN-IN FIBERGLASS INSULATION
 6 mil POLYETHYLENE VAPOR BARRIER
 RESILIENT CHANNEL
 1/2" GYPSUM BOARD

I, ROHIT WALIA DECLARE THAT I REVIEW AND TAKE
 RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF
 A FIRM REGISTERED UNDER SUBSECTION 3.4, DIV. C
 OF THE ONTARIO BUILDING CODE. I AM QUALIFIED AND
 THE FIRM IS REGISTERED IN THE APPROPRIATE
 CLASSES / CATEGORIES
 INDIVIDUAL BCIN# 35171 FIRM BCIN# 123463
 ROHIT WALIA PRINCIPAL DESIGNER
 C.R. DESIGN

NOTE:
 DO NOT SCALE DRAWINGS
 CONSTRUCTOR SHALL CHECK
 AND VERIFY ALL EXISTING
 CONDITIONS ON SITE AND SHALL
 CHECK AND VERIFY ALL DRAWING
 DIMENSIONS AND REPORT ANY
 INCONSISTENCIES TO THE
 DESIGNER BEFORE PROCEEDING
 WITH THE WORK

REVISIONS	
DATE	ISSUE
2024-09-11	FOR CLIENT REVIEW
2024-10-30	FOR BCIN REVIEW
2024-10-30	FOR PERMIT

- LEGEND**
- (W1) INTERIOR OR EXTERIOR WALL TYPE
 - (DX) DOOR TYPE
 - (W2) WINDOW TYPE
 - (FTG) FOOTING TYPE
 - (BOILER) GAS FIRED BOILER - IN FLOOR HEATING
 - (ELECT.) ELECTRICAL PANEL
 - (HRV) HEAT RECOVERY VENTILATOR
 - (CO) CARBON MONOXIDE DETECTOR HARD WIRED c/w VISUAL COMPONENT
 - (S) SMOKE DETECTOR HARD WIRED c/w VISUAL COMPONENT
 - (FD) FLOOR DRAIN
 - (CMU) CONCRETE MASONRY UNITS (CMU)
 - (W) 6x6 WELDED WIRE MESH
 - (HATCH) 20"x27 1/2" INSULATED ATTIC HATCH
 - (FIRM) FIRM
 - (FIRE) REQUIRED FIRE SEPARATION

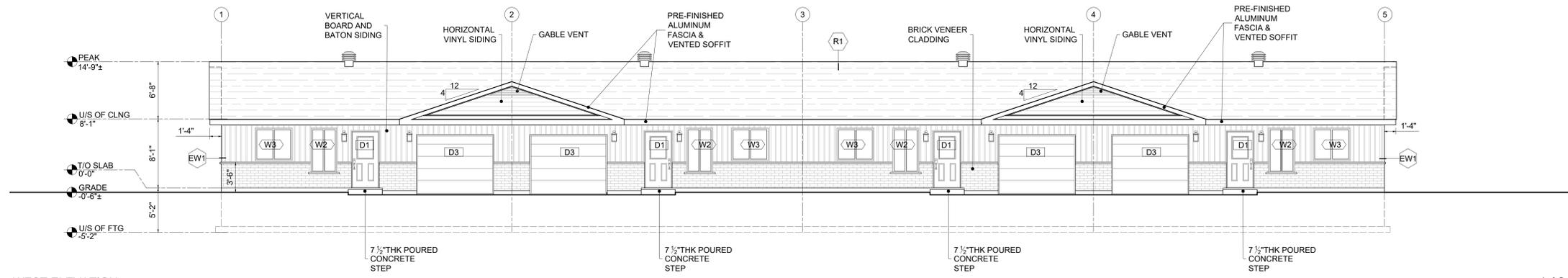
FL DESIGN DRAFTING AND CONSULTING LTD
 1800 CORAL COURT
 SUDBURY, ONTARIO 705-562-5820
 WWW.FL-DESIGNS.CA
 BCIN 120115

PROJECT NAME
 4 UNIT RESIDENTIAL BUILDING

DRAWING TITLE
 GROUND FLOOR PLAN
 WINDOW AND DOOR SCHEDULES

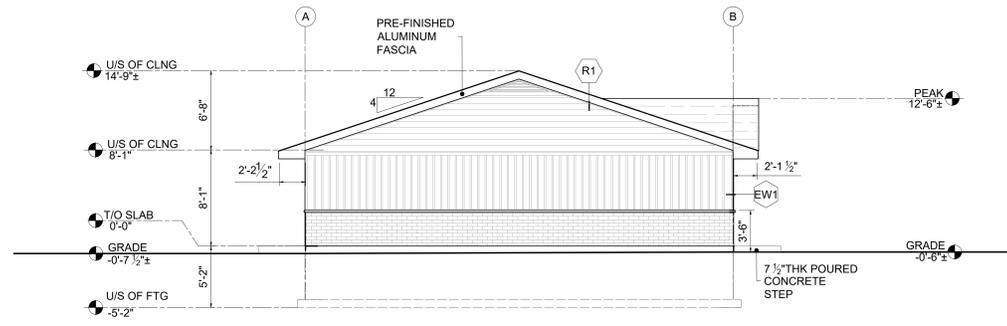
STAMP / SEAL

DRAWN BY A.A.L. **DESIGN BY** A.A.L.
CHECKED BY R.W. **BCIN REVIEW** R.W.
SCALE AS NOTED **DATE** 2024-10-30
PROJECT NO. 2024-028 (FLD) **SHEET NO.** A2



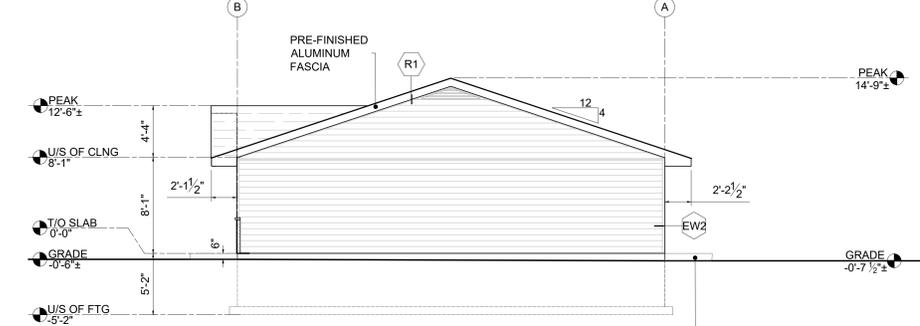
WEST ELEVATION
SCALE: 3/16"=1'-0"

1-A2.1



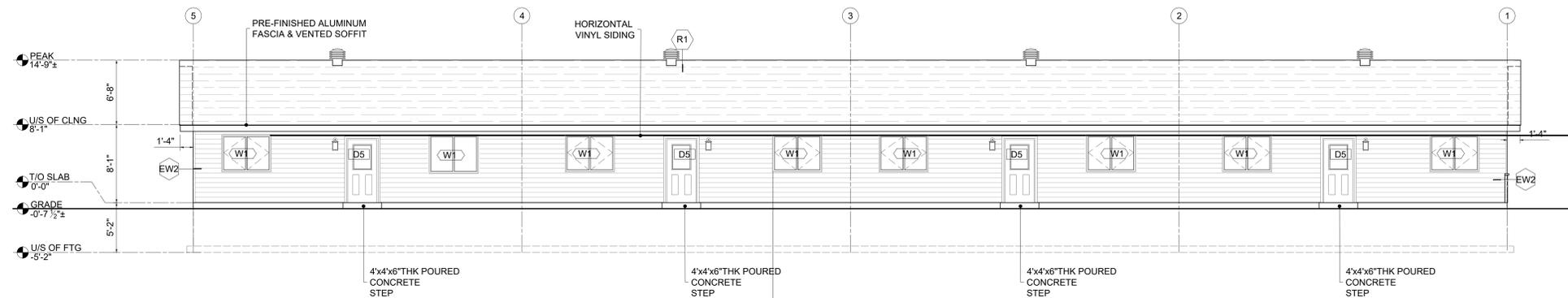
NORTH ELEVATION
SCALE: 3/16"=1'-0"

2-A2.1



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

3-A2.1



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

4-A2.1

NO.	SIZE	QTY.	BILL HT.	TYPE	CLASS	COMMENTS
W1	60x46-12	8	39	CASEMENT	R	
W2	37-1/2x63-12	4	22	CASEMENT	R	
W3	51x36-12	4	45	CASEMENT	R	

NO.	SIZE	TYP.	SWING	H.WARE	QTY.	COMMENTS
D1	36X80	EXT./INSUL.	L.H.	SEC. c/w D.B.	2	EXTERIOR DOORS TO BE FITTING w/ A VIEW FINDER OR GLAZING
D2	36X80	EXT./INSUL.	R.H.	SEC. c/w D.B.	2	EXTERIOR DOORS TO BE FITTING w/ A VIEW FINDER OR GLAZING
D3	8'x7'	INT./H.C.	O.H.	SEC.	4	TO BE EQUIPPED w/ AUTOMATIC CEILING MOUNTED OPENER
D4	24X80	EXT./INSUL.	L.H.	L.H.	2	c/w CLOSURE
D5	34X80	EXT./INSUL.	R.H.	SEC. c/w D.B.	2	c/w CLOSURE
D6	34X80	INT./H.C.	R.H.	PRIVACY	2	
D7	34X80	INT./H.C.	L.H.	PRIVACY	2	
D8	30X80	INT./H.C.	R.H.	PRIVACY	2	
D9	30X80	INT./H.C.	L.H.	PRIVACY	2	
D10	30X80	INT./H.C.	R.H.	CLOSET	2	
D11	30X80	INT./H.C.	L.H.	CLOSET	2	
D12	36X80	INT./H.C.	R.H.	PRIVACY	4	
D13	36X80	INT./H.C.	L.H.	PRIVACY	4	
D14	2-30X80	INT./H.C.	BI-FOLD	CLOSET	4	
D15	2-24X80	INT./H.C.	BI-FOLD	CLOSET	4	
D15	2-24X80	INT./H.C.	BI-FOLD	CLOSET	8	
D16	36X80	EXT./INSUL.	L.H.	SEC. c/w D.B.	2	EXTERIOR DOORS TO BE FITTING w/ A VIEW FINDER OR GLAZING
D17	36X80	EXT./INSUL.	R.H.	SEC. c/w D.B.	2	EXTERIOR DOORS TO BE FITTING w/ A VIEW FINDER OR GLAZING

SPATIAL SEPARATION - EXTERIOR WALL CONSTRUCTION 9.10.15.2(1)(b)										
WALL	TOTAL AREA OF EBF (m²)	EBF - FIRE COMPARTMENT (m²)	LIMITING DISTANCE (m)	PERMITTED MAX. OPENINGS (%)	PROPOSED % OF OPENINGS	FRR (hrs)	TYPE OF CONSTRUCTION REQUIRED	TYPE OF CONSTRUCTION PROPOSED	TYPE OF CLADDING REQUIRED	TYPE OF CLADDING PROPOSED
NORTH (FRONT)	25.7	26.89	15.0	NO LIMIT	0%	N/A	COMB./NON-COMB.	COMB.	COMB./NON-COMB.	COMB.
EAST (RIGHT)	102.6	25.7	7.4	100%	19.8%	N/A	COMB./NON-COMB.	COMB.	COMB./NON-COMB.	COMB./NON-COMB.
WEST (LEFT)	102.8	25.7	15.8	NO LIMIT	38.6%	N/A	COMB./NON-COMB.	COMB.	COMB./NON-COMB.	COMB.
SOUTH (REAR)	26.89	26.89	4.4	45%	0%	45min	COMB./NON-COMB.	COMB.	COMB./NON-COMB.	COMB.

CONSTRUCTION ASSEMBLIES

- (FW1) FOUNDATION WALL 1
2" R10 BELOW GRADE RIGID INSULATION INSTALLED TO 24" BELOW GRADE MIN. WATER PROOFING MEMBRANE (BLUE-SKIN) 2 LAYERS OF ROLL APPLIED DAMP PROOFING 1 1/2" POURED CONCRETE FOUNDATION WALL w/ MIN. 2-15M REBAR SPACED @ 24" o/c HORIZONTALLY & VERTICALLY @ 48" o/c
- (FW2) FOUNDATION WALL 2
2" R10 BELOW GRADE RIGID INSULATION INSTALLED TO 24" BELOW GRADE MIN. WATER PROOFING MEMBRANE (BLUE-SKIN) 2 LAYERS OF ROLL APPLIED DAMP PROOFING 9 1/2" POURED CONCRETE FOUNDATION WALL c/w MIN. 15M REBAR SPACED @ 24" o/c HORIZONTALLY & VERTICALLY @ 48" o/c
- (FW3) FOUNDATION WALL 3
2 LAYERS OF ROLL APPLIED DAMP PROOFING 7 1/2" POURED CONCRETE FOUNDATION WALL c/w MIN. 15M REBAR SPACED @ 24" o/c HORIZONTALLY & VERTICALLY @ 48" o/c
- (FW4) FOUNDATION WALL 4
2" R10 BELOW GRADE RIGID INSULATION INSTALLED TO 24" BELOW GRADE 2 LAYERS OF ROLL APPLIED DAMP PROOFING 7 1/2" POURED CONCRETE FOUNDATION WALL c/w MIN. 15M REBAR SPACED @ 24" o/c HORIZONTALLY & VERTICALLY @ 48" o/c
- (EW1) EXTERIOR WALL 1
3 1/2" BRICK CLADDING TO 36" FROM GRADE c/w 6" FROST PROTECTION AND VERTICAL BOARD AND BATON SIDING (HARDI-BOARD) FROM 36" ABOVE GRADE TO U/S OF SOFFIT c/w 1x3 STRAPPING @ 16" o/c 1" AIR SPACE SPUN-BONDED POLYETHYLENE AIR BARRIER, TAPED AND SEALED AT ALL OPENINGS AND PENETRATIONS 2" R-10 RIGID INSULATION 1/2" PLYWOOD SHEATHING R22 FIBERGLASS BATT INSULATION 6 mil POLYETHYLENE VAPOR BARRIER 5/8" GYPSUM BOARD
- (EW2) EXTERIOR WALL 2
HORIZONTAL VINYL SIDING SPUN-BONDED POLYETHYLENE AIR BARRIER, TAPED AND SEALED AT ALL OPENINGS AND PENETRATIONS 2" R-10 RIGID INSULATION 1/2" PLYWOOD SHEATHING R22 FIBERGLASS BATT INSULATION 6 mil POLYETHYLENE VAPOR BARRIER 5/8" GYPSUM BOARD
- (IW1) INTERIOR WALL 1 - 45 MIN FIRE SEPARATION (SIMILAR TO MMAH SB-3 W13b)
5/8" GYPSUM BOARD 2 ROWS OF 2x4 STUDS @ 16" o/c STAGGERED ON SEPARATE 2x4 PLATES SPACED 1' APART 3 1/2" R-12 FIBERGLASS BATT INSULATION IN EACH STUD CAVITY 6 mil POLYETHYLENE VAPOR BARRIER RESILIENT CHANNEL @ 16" o/c 5/8" GYPSUM BOARD
- (IW2) INTERIOR WALL 2
1/2" GYPSUM BOARD 1x3 STRAPPING @ 16" o/c 2" R-10 RIGID INSULATION SPUN-BONDED POLYETHYLENE AIR BARRIER, TAPED AND SEALED AT ALL OPENINGS AND PENETRATIONS 2x6 STUDS @ 16" o/c R-22 FIBERGLASS BATT INSULATION 6 mil POLYETHYLENE VAPOR BARRIER 1/2" GYPSUM BOARD
- (IW3) INTERIOR WALL 3 (ALL INTERIOR PARTITIONS TO BE 'IW3' UNLESS NOTED OTHERWISE)
1/2" GYPSUM BOARD 2x4 STUDS @ 16" o/c 1/2" GYPSUM BOARD
- (F1) FLOOR ASSEMBLY
4" POURED CONCRETE SLAB ON GRADE c/w 6x6 WELDED WIRE MESH AND MID DEPTH HYDRONIC IN FLOOR HEATING 2" R-10 BELOW GRADE RIGID INSULATION 6mil POLYETHYLENE VAPOR BARRIER COMPACTED GRANULAR FILL COMPACTED TO 98% PROC. ON UNDISTURBED GROUND
- (F2) FLOOR ASSEMBLY
4" POURED CONCRETE SLAB ON GRADE c/w 6x6 WELDED WIRE MESH AND MID DEPTH 6mil POLYETHYLENE VAPOR BARRIER COMPACTED GRANULAR FILL COMPACTED TO 98% PROC. ON UNDISTURBED GROUND
- (R1) ROOF ASSEMBLY - 45min FIRE SEPARATION ASPHALT SHINGLES SYNTHETIC ROOF UNDERLAY OVER 5/8" OSB SHEATHING c/w 2 ROWS OF ICE AND WATER SHIELD MEMBRANE AT EAVES AND IN VALLEYS PRE-ENGINEERED ROOF TRUSSES @ 24" o/c R60 BLOWN-IN FIBERGLASS INSULATION 6 mil POLYETHYLENE VAPOR BARRIER RESILIENT CHANNEL 1/2" GYPSUM BOARD

NOTE:

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REVISIONS

DATE	ISSUE
2024-09-11	FOR CLIENT REVIEW
2024-10-30	FOR BCIN REVIEW
2024-10-30	FOR PERMIT

LEGEND

- (KWX) INTERIOR OR EXTERIOR WALL TYPE
- (DXX) DOOR TYPE
- (WXX) WINDOW TYPE
- (FTGX) FOOTING TYPE
- (BOILER) GAS FIRED BOILER - IN FLOOR HEATING
- (ELECT.) ELECTRICAL PANEL
- (HRV) HEAT RECOVERY VENTILATOR
- (CO) CARBON MONOXIDE DETECTOR HARD WIRED c/w VISUAL COMPONENT
- (S) SMOKE DETECTOR HARD WIRED c/w VISUAL COMPONENT
- (FD) FLOOR DRAIN
- (CMU) CONCRETE MASONRY UNITS (CMU)
- (6x6) 6x6 WELDED WIRE MESH
- (FIRE) REQUIRED FIRE SEPARATION
- (HATCH) 20"x27 1/2" INSULATED ATTIC HATCH
- (FIRM)



1800 CORAL COURT
SUDBURY, ONTARIO 705-562-5820
WWW.FL-DESIGNS.CA
BCIN 120115

PROJECT NAME

4 UNIT RESIDENTIAL BUILDING

DRAWING TITLE

ELEVATIONS
WINDOW AND DOOR SCHEDULES
SPATIAL SEPARATION

STAMP / SEAL

DRAWN BY: A.A.L. DESIGN BY: A.A.L.

CHECKED BY: R.W. BCIN REVIEW: R.W.

SCALE: AS NOTED DATE: 2024-10-30

PROJECT NO. SHEET NO.

2024-028 (FLD) **A2.1**

I, ROHIT WALIA DECLARE THAT I REVIEW AND TAKE RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF A FIRM REGISTERED UNDER SUBSECTION 3.2.4. DIV. "C" OF THE ONTARIO BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASS. (INDIVIDUAL BCIN# 25171 FIRM BCIN# 123463)
ROHIT WALIA PRINCIPAL DESIGNER
C.R. DESIGN