PROPOSED
MULTIRESIDENTIAL BUILDING
AT
4548 73 ST NW
CALGARY, AB

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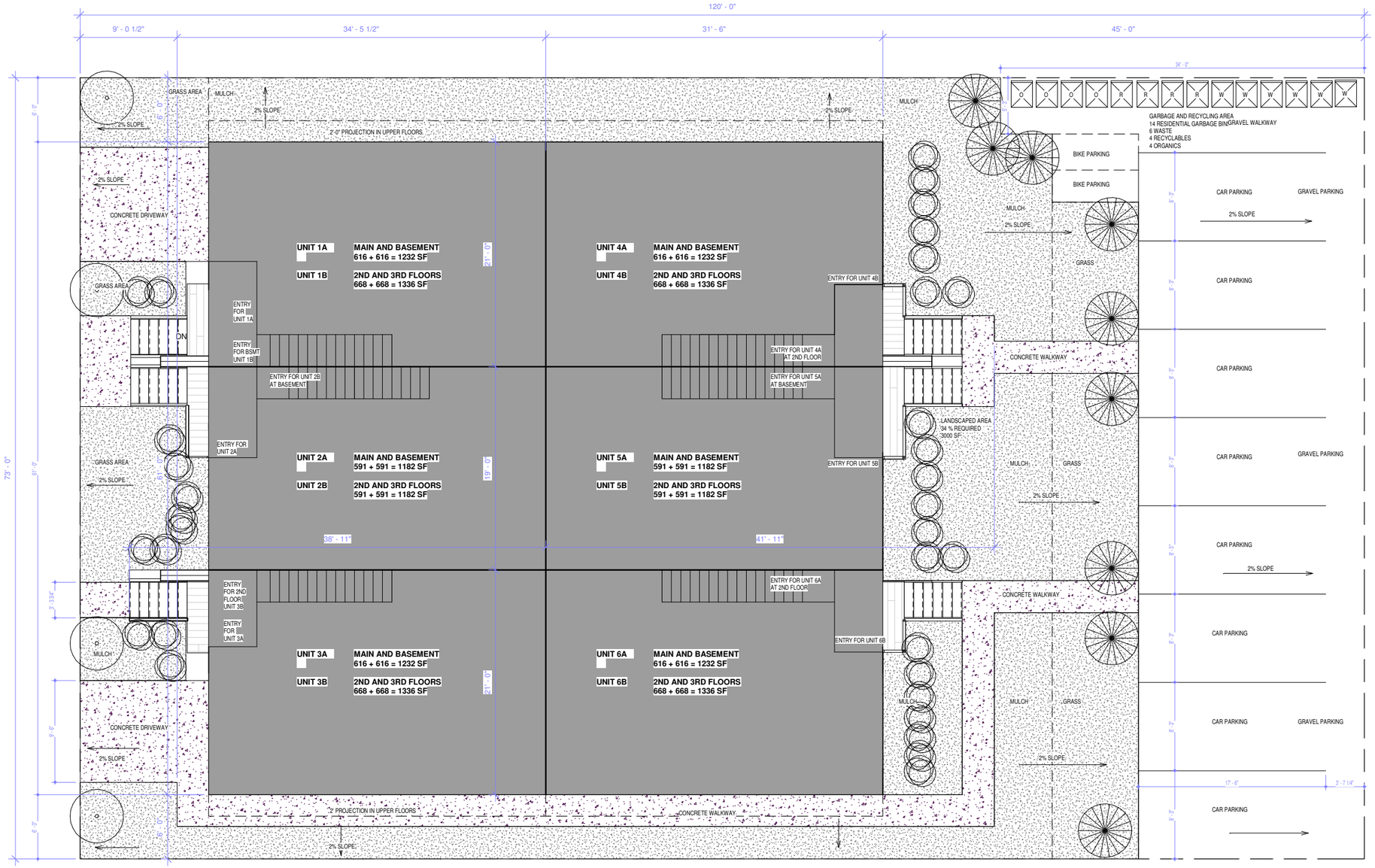

1 Site Plan
3/16" = 1'-0"

NEW LOW WATER SHRUB
0.6m canopy
0.6m height
Amelanchier alnifolia
Saskatoon berry

NEW LOW WATER DECIDUOUS TREE
85mm caliper
1m canopy
1m height
Prunus virginiana var. melanocarpa
Chokecherry

NEW LOW WATER CONIFEROUS TREE
85mm caliper
1m canopy
4m height
Picea Pungens
(Blue Spruce)

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Proposed Multi Residential

4548 73 St NW
Calgary, AB

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Site Plan

Date	Jan 2022
Drawn by	Author
Checked by	Checker

A001

Scale 3/16" = 1'-0"

1 Block Plan - Existing
3/64" = 1'-0"

SITE PLAN

MUNICIPAL ADDRESS:
4548 73rd Street N.W.
Calgary, Alberta

LEGAL DESCRIPTION:
Lot 6A
Block A
Plan 895 HB

PREPARED FOR: Harry Sood

DATE OF SURVEY: October 23rd, 2021.

SCALE: 1:200

LEGEND:

- Property Line
- Right of Way Line
- Curb Line
- Fence Line
- Sanitary Line
- Storm Line
- Water Line
- Gas Line
- Electrical Line
- A.G.T. Line
- Door
- Main Floor Window
- Second Floor Window
- Basement Floor Window
- Power Pole
- Manhole
- Catch Basin
- Tree
- Calculation points
- Main Building Hatch
- Detached Garage Hatch
- Shed Hatch
- Concrete and Asphalt Hatch
- Wood Hatch
- Roof Hatch
- Elevation (Geodetic)

"A"=Length of Arc; "Conc."=Concrete; "R/W"=Right of Way
"BC"=Back of Curb; "Elev."=Elevation; "Ret."=Retaining
"BOW"=Bottom of Wall; "Encr."=Encroach(es); "TOW"=Top of Wall
"BW"=Back of Walkway; "LOG"=Lip of Gutter
"Cant."=Cantilever; "R"=Radius

NOTE:

1. Distances are in Ground and Are Shown in Metres and Decimals Thereof.
2. Distances Along Curves are Arc Distances.
3. Elevations are Derived From ASCMs 173765 and 27748.
4. ASCM 173765 is Held for Vertical and Horizontal Positioning.
5. The Condition of Title 061 169 166 was searched on the 15th day of October, 2021 and includes the following instruments:
No Registrations.
6. The Utilities Information is Acquired From "The City Of Calgary Engineering Department" Program No. 080 & 148 in Sec 18 Twp 25 Rge 2 W5M.
Dinoran Land Surveys Inc. accepts no responsibility for its accuracy. It is the responsibility of the Developer and Excavator to have all Utilities located by Alberta One Call prior to conducting any excavation or ground disturbance.)

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Block Plan - Existing

Date	Jan 2022
Drawn by	Author
Checked by	Checker

A002

Scale	3/64" = 1'-0"

SITE PLAN

1 Block Plan Proposed

3/64" = 1'-0"

2 Proposed Streetscape

3/64" = 1'-0"

MUNICIPAL ADDRESS:
4548 73rd Street N.W.
Calgary, Alberta

LEGAL DESCRIPTION:
Lot 6A
Block A
Plan 895 HB

PREPARED FOR: Harry Sood

DATE OF SURVEY: October 23rd, 2021

SCALE: 1:200

LEGEND:

- Property Line
- Right of Way Line
- Face Line
- Fence Line
- Existing Line
- Storm Line
- Water Line
- Gas Line
- Electrical Line
- A.G.T. Line
- Door
- Main Floor Window
- Second Floor Window
- Basement Floor Window
- Power Pole
- Manhole
- Catch Basin
- Tree
- Calculation points
- Main Building Hatch
- Detached Garage Hatch
- Shed Hatch
- Concrete and Asphalt Hatch
- Wood Hatch
- Roof Hatch
- Elevation (Geodetic)

"A"–Length of Arc
"BC"–Back of Curb
"BOW"–Bottom of Wall
"BW"–Back of Walkway
"Cant."–Cantilever
"Conc."–Concrete
"Elev."–Elevation
"Encr."–Encroaches)
"LOC"–Lip of Gutter
"R"–Radius
"R/W"–Right of Way
"Ret."–Retaining
"TOW"–Top of Wall

NOTE:

1. Distances are in Ground and Are Shown in Metres and Decimals Thereof.
2. Distances Along Curves are Arc Distances.
3. Elevations are Derived from ASCMs 173765 and 173748.
4. ASCM 173765 is Held for Vertical and Horizontal Positioning.
5. The Certificate of Title 021 349 164 was searched on the [illegible] and [illegible] the following Instruments:
No Registrations.
6. The Utilities Information is Acquired From "Top Of" City Engineering Department Drawing No. 067 B, 16 to 4m Lane Plan, Sheet Width. (Horizon Land Surveys Inc. accepts no responsibility for its accuracy. It is the responsibility of the Developer and Excavator to locate all Utilities located by Alberta One Call prior to conducting any excavation or ground disturbance.)

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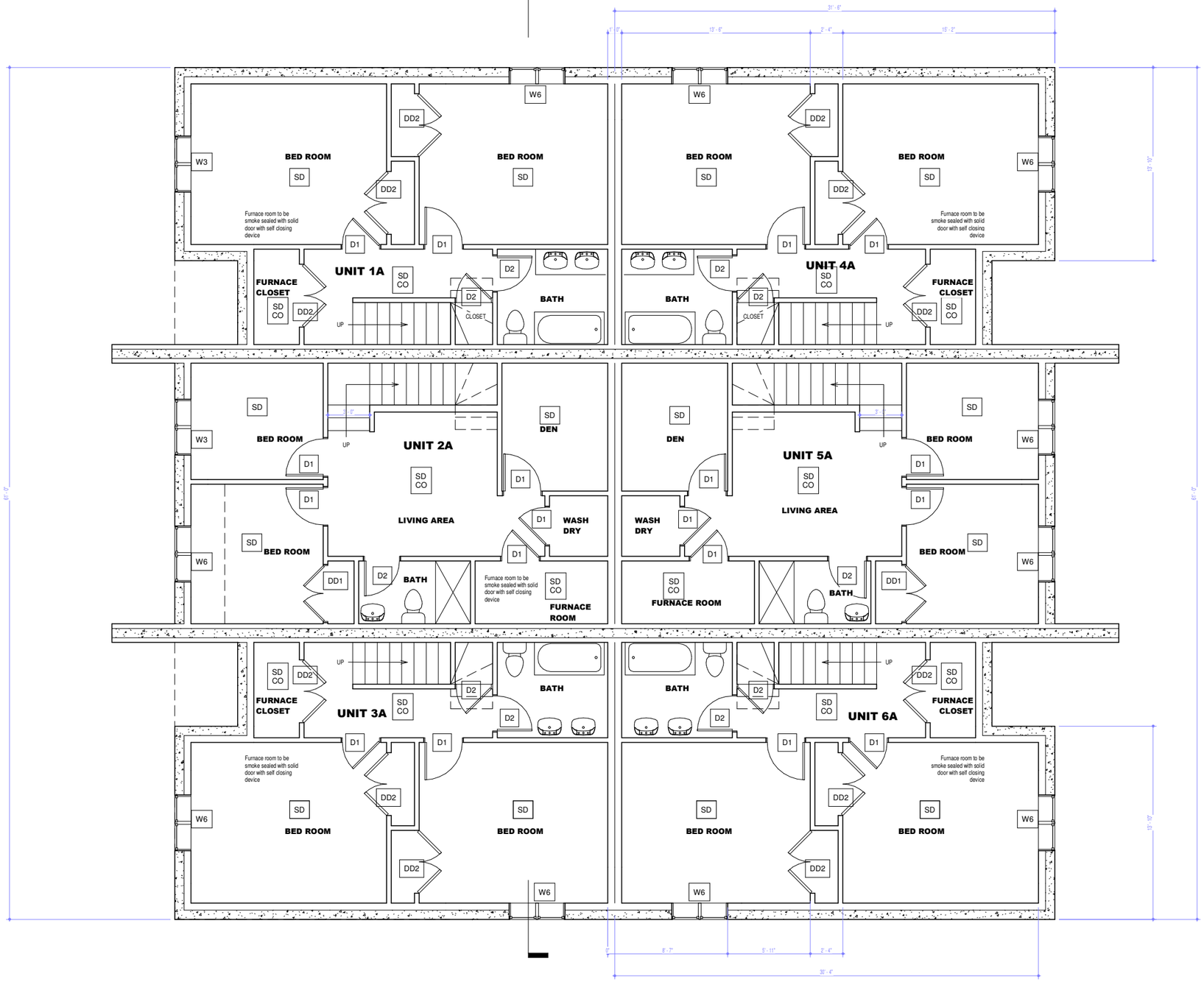
Bock Plan - Proposed

Date	Jan 2022
Drawn by	Author
Checked by	Checker

A003

Scale	3/64" = 1'-0"



1 Basement Plan

1/4" = 1'-0"

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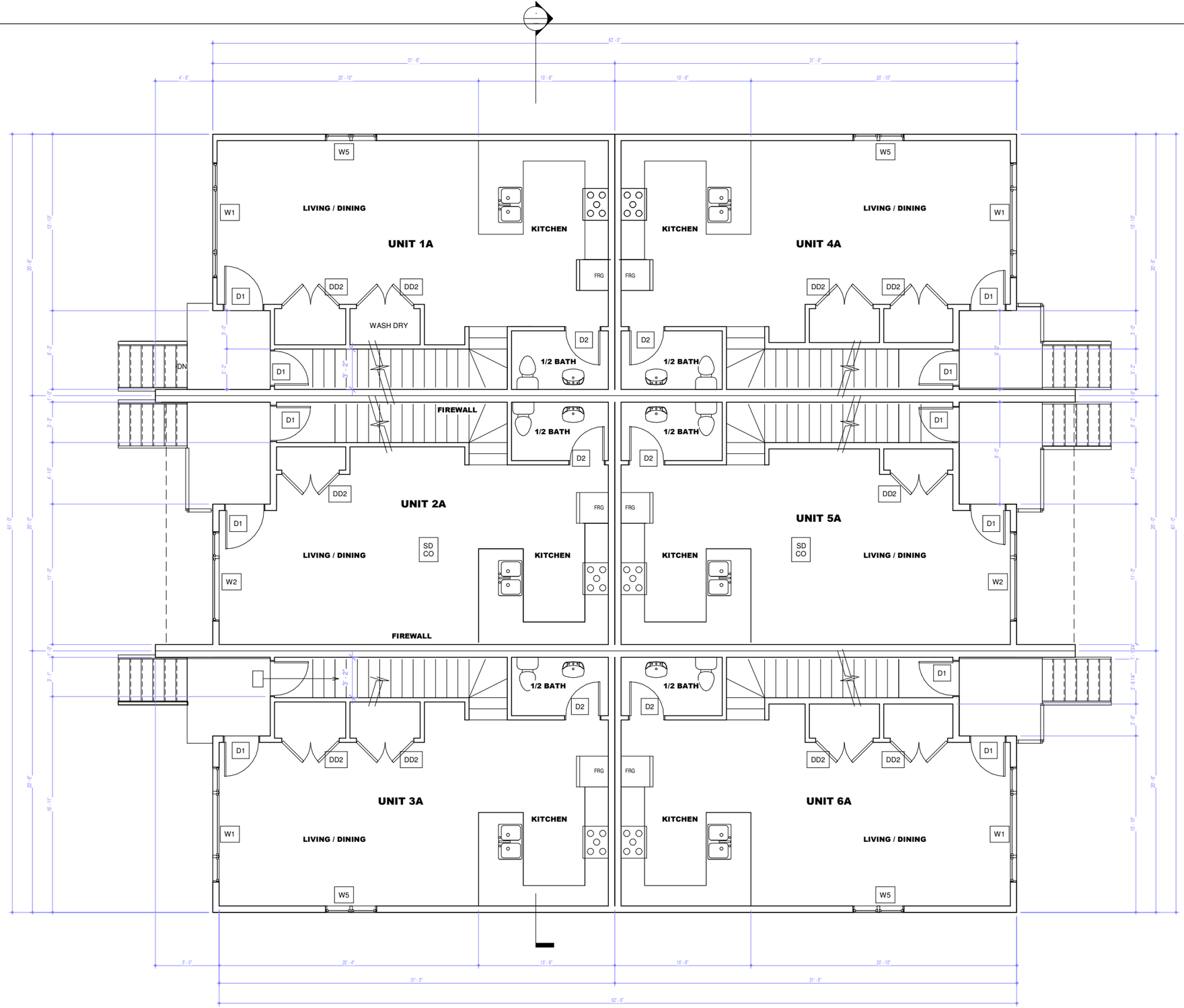
Basement Floor Plan

Date	Jan 2022
Drawn by	Author
Checked by	Checker

A100

Scale 1/4" = 1'-0"



1 Main Floor Plan
1/4" = 1'-0"

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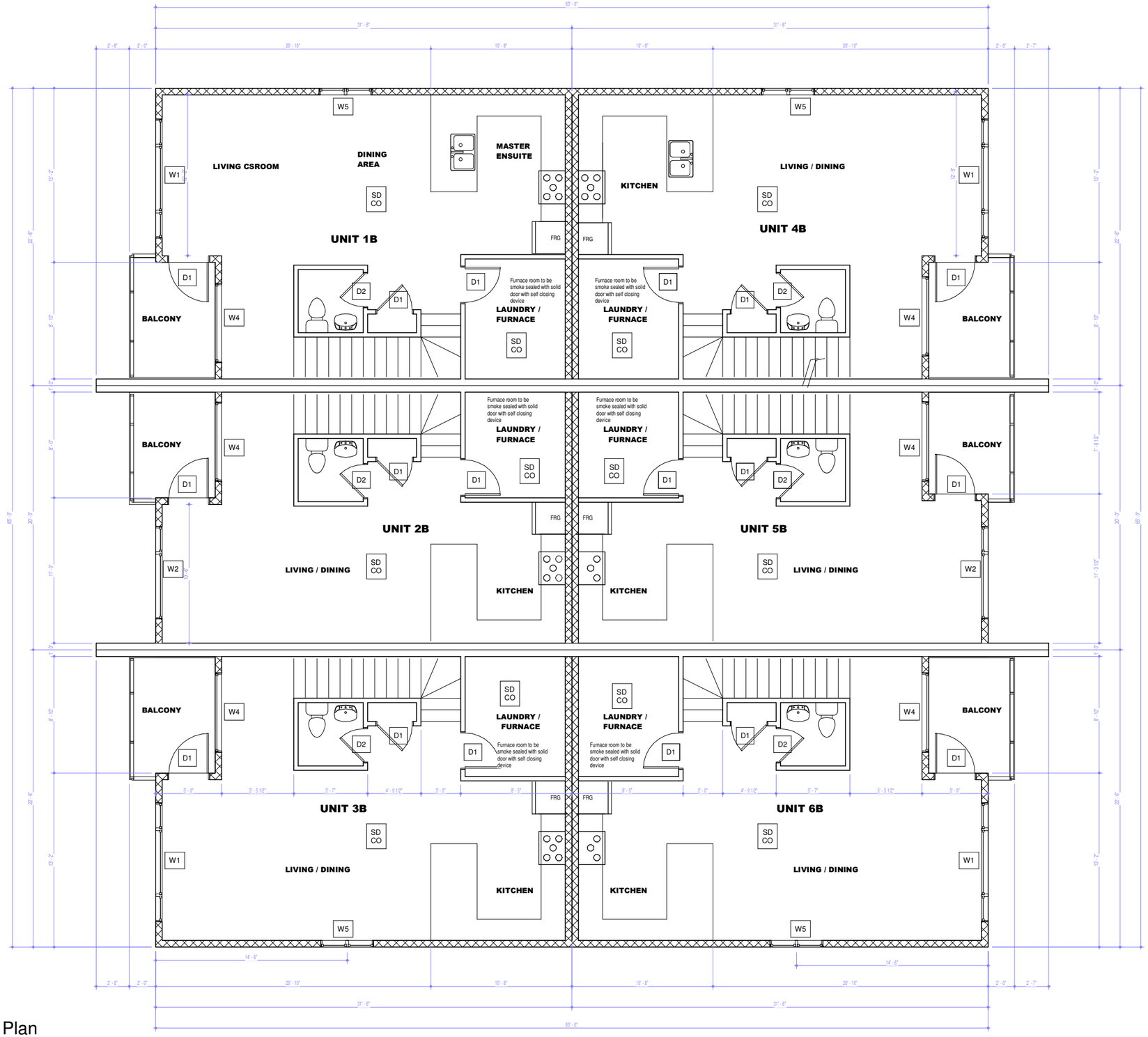
Main Floor Plan

Date	Jan 2022
Drawn by	Author
Checked by	Checker

A101

Scale 1/4" = 1'-0"



1 2nd Floor Plan
1/4" = 1'-0"

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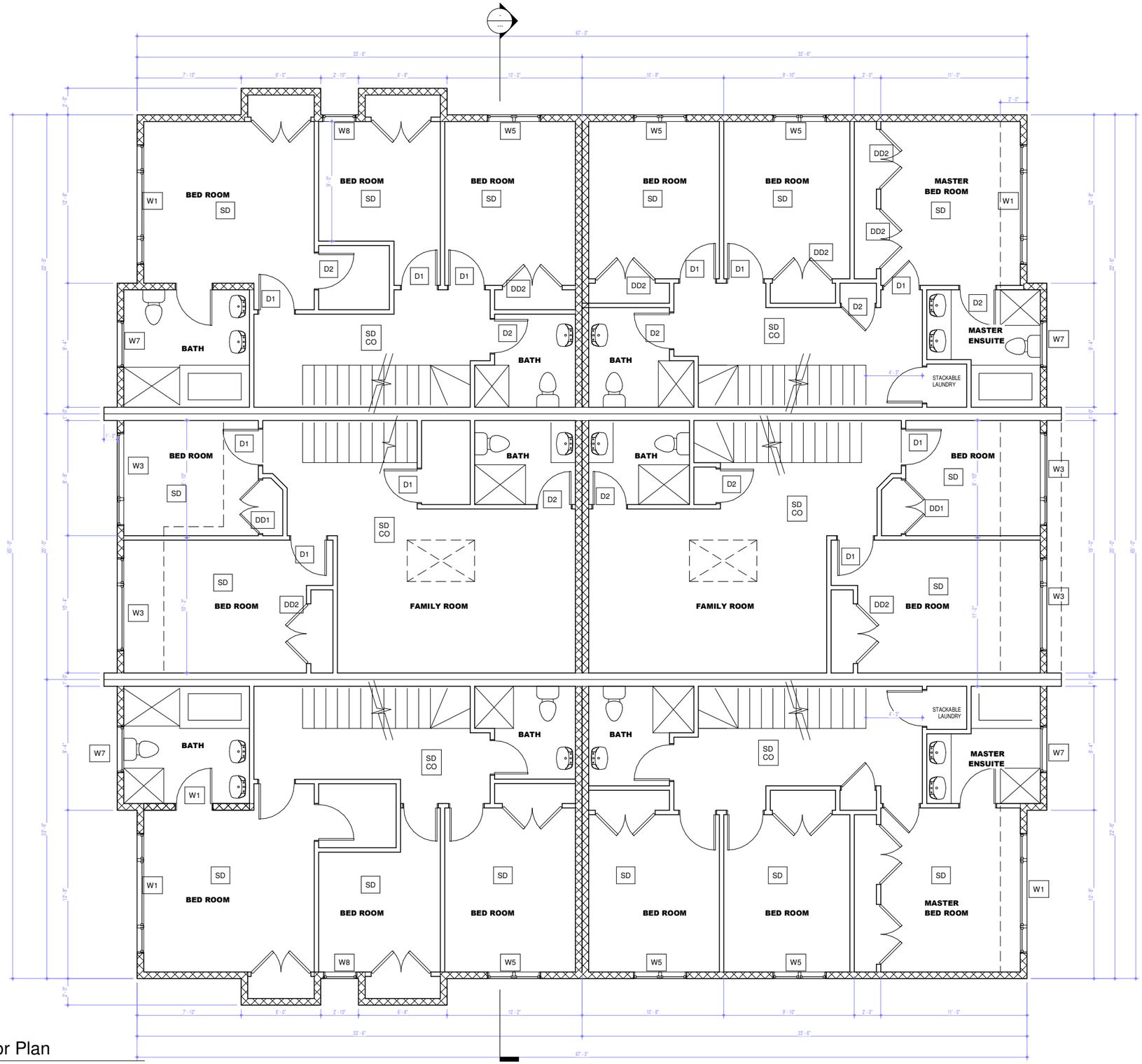
2nd Floor Plan

Date	Jan 2022
Drawn by	Author
Checked by	Checker

A102

Scale 1/4" = 1'-0"



1 3rd Floor Plan
1/4" = 1'-0"

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3rd Floor Plan

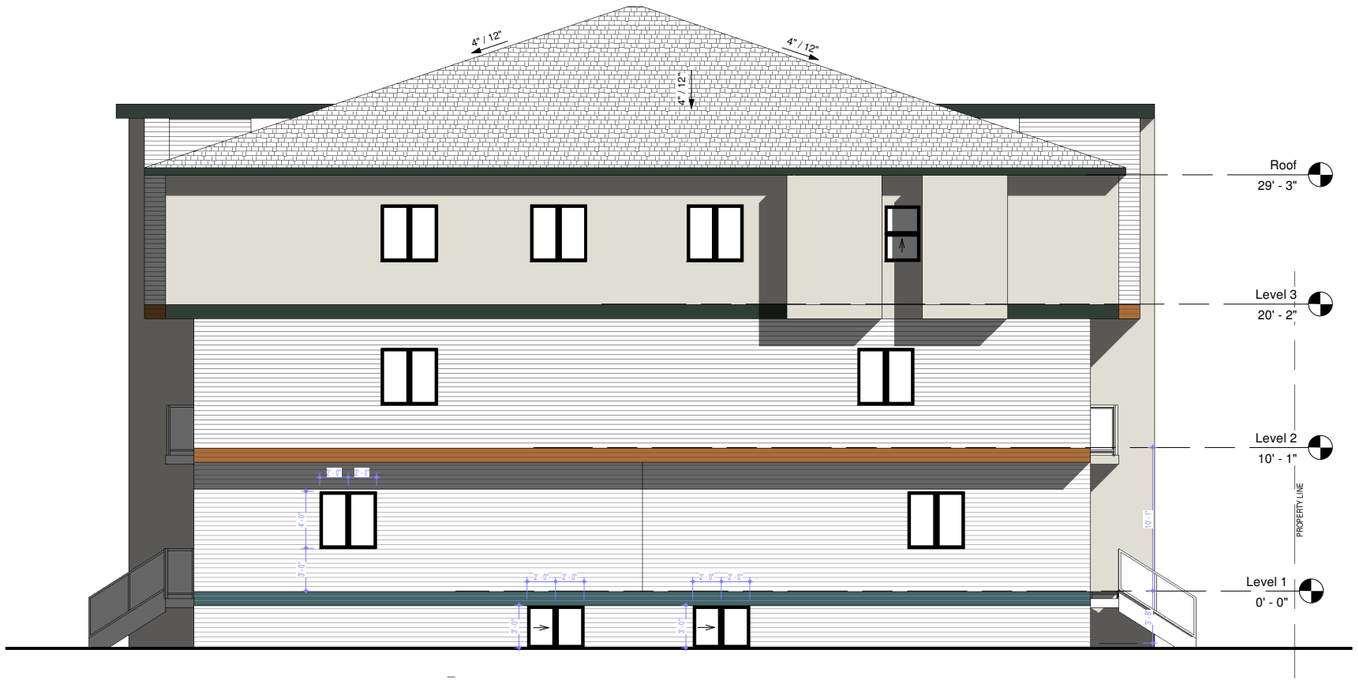
Date	Jan 2022
Drawn by	Author
Checked by	Checker

A103

Scale 1/4" = 1'-0"

1 Front Elevation

3/16" = 1'-0"



2 Left Elevation

3/16" = 1'-0"

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FINISH LEGEND

- WHITE STUCCO
- LIGHT GREY STUCCO
- DARK BLUISH GREY STUCCO
- WOOD SIDING
- ASPHALT ROOF SHINGLES

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Elevations

Date	Jan 2022
Drawn by	HS
Checked by	UH

A201

Scale 3/16" = 1'-0"

1 Rear Elevation
3/16" = 1'-0"

2 Right Elevation
3/16" = 1'-0"

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FINISH LEGEND

- WHITE STUCCO
- LIGHT GREY STUCCO
- DARK BLUISH GREY STUCCO
- WOOD SIDING
- ASPHALT ROOF SHINGLES

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Elevations

Date	Jan 2022
Drawn by	HS
Checked by	UH

A202

Scale 3/16" = 1'-0"

1 Front View 1

2 Front View 2

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3D Views

Date	Jan 2022
Drawn by	HS
Checked by	UH

A301

Scale

1 Rear View

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3D Views

Date	Jan 2022
Drawn by	Author
Checked by	Checker

A302

Scale

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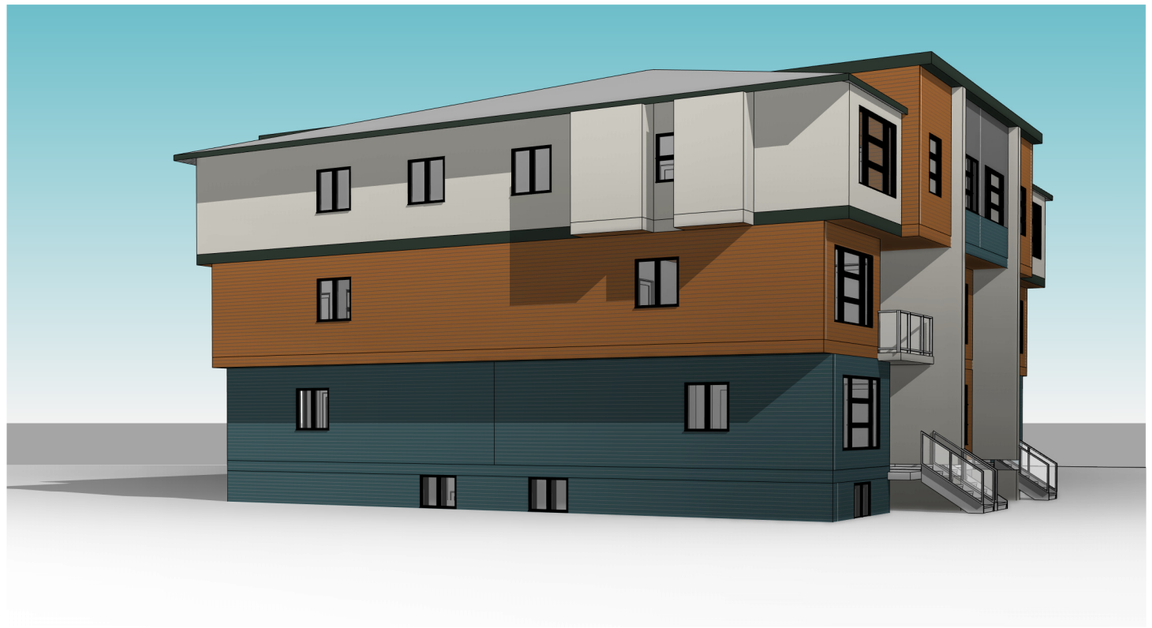

2 Left Side View

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Calgary, AB

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3D Views

Date	Jan 2022
Drawn by	Author
Checked by	Checker

A303

Scale

FRONT VIEW

LANE VIEW

VIEW FROM 73 ST

VIEW FROM 73 ST

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SITE PHOTOS

Date	Jan 2022
Drawn by	HS
Checked by	UH

A304

Scale

AS PER SECTION 9.36.2.10 - NOTES PERTAINING TO LEAKAGE PATHS IN PROBLEMATIC AREAS

FOUNDATION TO SILL PLATE AND RIM JOISTS
ALL JOINTS AT THE TRANSITION BETWEEN THE FOUNDATION WALL AND THEABOVE GRADE WALL MUST BE AIR-TIGHT BY SEALING ALL JOINTS AND JUNCTIONS BETWEEN THE STRUCTURAL COMPONENTS, OR COVERING THE STRUCTURAL COMPONENTS WITH AN AIR BARRIER MATERIAL.

INTERIOR WAL INTERFACE
INTERIOR WALLS THAT MEET EXTERIOR WALLS OR CEILINGS WITH AN INTERIOR PLANE OF AIR TIGHTNESS MUST BE MADE AIRTIGHT BY EITHER SEALING ALL JUNCTIONS BETWEEN THE STRUCTURAL COMPONENTS, COVERING THE STRUCTURAL COMPONENTS WITH AN AIR BARRIER MATERIAL, OR MAINTAINING THE CONTINUITY OF THE AIR BARRIER SYSTEM THROUGH THE INTERIOR WALL.

RIM JOIST
ALL JOINTS AT THE THE RIM JOIST ASSEMBLY MUST BE MADE AIRTIGHT BY SEALING ALL JOINTS AND JUCTIONS BETWEEN THE STRUCTURAL COMPONENTS, OR COVERING THE STRUCTURAL COMPONENTS WITH AN AIR BARRIER MATERIAL.

CANTILEVERED FLOOR
CANTILEVERED FLOORS AND FLOORS OVER UNHEATED SPACES/EXTERIOR SPACE MUST BE MADE AIRTIGHT BY SEALING ALL JOINTS AND JUNCTIONS BETWEEN THE STRUCTURAL COMPONENTS AND/OR COVERING THE STRUCTURAL COMPONENTS WITH AN AIR BARRIER MATERIAL AND SEALING IT TO THE ADJACENT AIR BARRIER MATERIAL.

WINDOW HEAD
THE INTERFACE BETWEEN WINDOW HEADJAMB AND WALL ASSEMBLY MUST BE MADE AIRTIGHT BY SEALING ALL JOINTS AND JUNCTIONS BETWEEN THE AIR BARRIER IN THE WALL AND WINDOW. THE REQUIREMENT ALSO APPLIES TO DOORS AND SKYLIGHTS.

WINDOW SILL
THE INTERFACE BETWEEN WINDOW SILL AND WALL ASSEMBLY MUST BE MADE AIRTIGHT BY SEALING ALL JOINTS AND JUNCTIONS BETWEEN THE AIR BARRIER MATERIAL IN THE WALL AND THE WINDOW. THE REQUIREMENT ALSO APPLIES TO DOORS AND SKYLIGHTS.

MECHANICAL FLUES AND CHIMNEY
STEEL-LINED CHIMNEYS THAT PENETRATE THE BUILDING ENVELOPE MUST BE MADE AIRTIGHT BY BLOCKING THE VOID BETWEEN REQUIRED CLEARANCES FOR METAL CHIMNEYS AND SURROUNDING CONSTRUCTION WITH SHEET METAL AND SEALANT CAPABLE OF WITHSTANDING HIGH TEMPERATURES

PLUMBING STACKS
PLUMBING VENT STACK PIPES THAT PENETRATES THE BUILDING ENVELOPE MUST BE MADE AIRTIGHTBY EITHER SEALING THE AIR BARRIER MATERIAL TO THE VENT STACK PIPE WITH A COMPATIBLE MATERIAL OR SHEATHING TAPE, OR INSTALLING A RUBBER GASKET OR PREFABRICATED ROOF FLASHING AT THE PENETRATION OF THE PLANE OF AIRTIGHNESS AND SEALING IT TO THE TOP PLATE

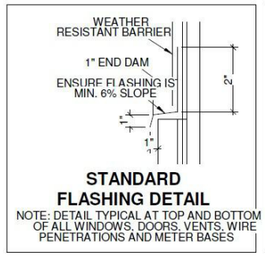
SKYLIGHTS
THE INTERFACE BETWEEN THE SKYLIGHT AND WALL ASSEMBLY MUST BE MADE AIRTIGHT BY SEALING ALL JOINTS AND JUNCTIONS BETWEEN THE AIR BARRIER MATERIAL IN THE WALL AND THE SKYLIGHT.

WALL TO CEILING
ALL JOINTS AT THE TRANSITION BETWEEN THE ABOVE GRADE WALL AND CEILING MUST BE MADE AIRTIGHT BY SEALING ALL JOINTS AND JUCTIONS BETWEEN THE STRUCTURAL COMPONETS AND/OR COVERING THE STRUCTURAL COMPONENTS WITH AN AIR BARRIER MATERIAL.

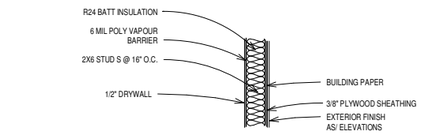
WALL VENTED DUCTS
DUCT THAT PENETRATE THE BUILDING ENVELOPE SHALL BE CONSTRUCTED AIRTIGHT BY SEALING THE PENETRATION THROUGH THE BUILDING ENVELOPE.

ELECTRICAL PENETRATION IN WALLS
ELECTRICAL PENETRATIONS IN WALLS, INCLUDING ELECTRICAL OUTLETS, WIRING, SWITCHES, AND RECESSED FIXTURES THROUGH THE PLANE OF AIRTIGHTNESS MUST BE AIRTIGHT. OPTIONS INCLUDE USING A COMPONENT THAT IS DESIGNED TO BE AIRTIGHT AND SEALING IT TO THE ADJACENT AIR BARRIER MATERIAL, OR BY COVERING THE COMPONET WITH AN AIR BARRIER MATERIAL AND SEALING IT TO THE ADJACENT AIR BARRIER MATERIAL.
**ANY SERVICES INSTALLED IN THE EXTERIOR WALLS REQUIRED ADDITIONAL DOCUMENTATION DEMONSTRATING THE WALLS MAINTAIN THE MINIMUM REQUIRED EFFECTIVE RSI INSULATION VALUE FOR THE WALL

SPECIFIC REQUIREMENTS:
-EFFECTIVE INSULATION OF CEILING, WALLS, AND FLOORS MEET THE REQUIREMENTS OF TABLE 9.36.2.6.A AND TABLE 9.36.2.6.B FOR THE CORRECT CLIMATE ZONE
-THE THERMAL CHARACTERISTICS OF WINDOWS, DOOR AND SKYLIGHTS MEET THE REQUIREMENTS OF TABLE 9.36.2.7.A.B AND C FOR THE CORRECT CLIMATE ZONE
-EFFECTIVE INSULATION OF FOUNDATIONS MEET THE REQUIREMENTS OF TABLE 9.36.2.8.A OR B FOR THE CORRECT CLIMATE ZONE
-DUCTS LOCATED OUTSIDE THE THERMAL ENCLOSURE ARE SEALED AND INSULATED TO THE EXTERIOR WALL INSULATION REQUIREMENTS
-DAMPERS ARE INSTALLED AT AIR INLETS AND EXHAUSTS WHERE REQUIRED
-PIPING FOR HEATING OR COOLING SYSTEM IS LOCATED WITHIN THE THERMAL ENCLOSURE OR ARE FULLY INSULATED
-HVAC EQUIPMENT IS LOCATED WITHIN THERMAL ENCLOSURE OR DESIGNATED TO BE INSTALLED OUTSIDE OF THERMAL ENCLOSURE
-TEMPERATURE CONTROLS ARE INSTALLED ON HEATING AND COOLING EQUIPMENT
-INDOOR POOLS ARE COVERED OR HAVE AN HRV/DEHUMIDIFIER
-HVAC AND SWH EQUIPMENT MEET MINIMUM PERFORMANCE REQUIREMENTS DETERMINED IN TABLES 9.36.3.10 AND 9.36.4.2
-SERVICE WATER HEATING PIPES ARE INSULATED AT THE INLET AND OUTLET OF STORAGE TANKS
-SERVICE WATER HEATERS HAVE TEMPERATURE CONTROLS
-THE AIR BARRIER DETAILS, AND LOCATIONS HAVE BEEN IDENTIFIED
-GAS FIRED FURNACE - LESS THAN 220 000 BTU/H (66kW) - ANNUAL FUEL USE EFFICIENCY (AFUE) MUST BE GREATER THAN OR EQUAL TO 92%
-9.36.2.10 (5) - ALL JOINTS OF THE AIR BARRIER SYSTEM MUST BE STRUCTURALLY SUPPORTED.
-WHITOUT HRV'S, EVERY DUCT OR OPENING INTENDED TO DISCHARGE AIR TO THE OUTDOORS SHALL BE EQUIPPED WITH A MOTORIZED DAMPER OR GRAVITY OR SPRING OPERATED BACKFLOW DAMPER. 9.36.3.3.
-MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS PLACED WITHIN AND PARALLEL TO AN EXTERIOR WALL ARE REQUIRED TO BE INSULATED TO THE EFFECTIVE THERMAL RESISTANCE REQUIRED FOR THE WALL AT THE PROJECTED AREA OF THE SYSTEM COMPONENT.
TEMPERATURE CONTROL:
-9.36.3.6 - THE TEMPERATURE CONTROLS ARE GENERALLY REQUIRED FOR HEATING AND COOLING EQUIPMENT. THE ACCURACY OF THE CONTROL MUST BE BETTER THAN PLUS OR MINUS 0.5 DEGREES CELCIUS.
-9.12.1.3 - PROTECTION FROM FREEZING - THE BOTTOM OF EXCAVATION SHALL BE KEPT FROM FREEZING THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD.
-9.3.1.9 - COLD WEATHER REQUIREMENTS - WHEN THE AIR TEMPERATURE IS BELOW 5 DEGRESS CELCIUS CONCRETE SHALL BE KEPT AT A TEMPERATURE OF NOT LESS THAN 10 DEGRESS WHILE BEING MIXED AND PLACED AND BE MAINTAINED AT A TEMPERATURE

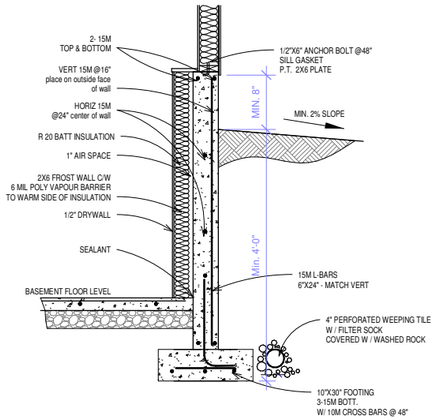


STANDARD FLASHING DETAIL
NOTE: DETAIL TYPICAL AT TOP AND BOTTOM OF ALL WINDOWS, DOORS, VENTS, WIRE PENETRATIONS AND METER BASES



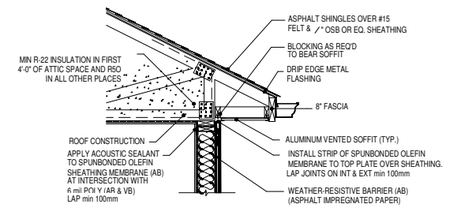
ABOVE GROUND WALL DETAIL

ABOVE GROUND WALL ASSEMBLY - CLIMATE ZONE 7A		
EXTERIOR AIR FILM		0.03
EXTERIOR FINISH		--
2 PLY BUILDING PAPER		--
3/8" PLYWOOD		0.083
2X6 STUDS @ 16 O.C. (20% AREA @1.19 RSI)	RS1(parallel) = 100 / (20/1.19)+(80/4.23)	2.79
R24 FIBERGLASS BATT INSULATION (80% AREA @4.23)		
6 MIL POLY VAPOR BARRIER		--
1/2" GYPSUM BOARD		0.06
INTERIOR AIR FILM		0.12
TOTAL EFFECTIVE INSULATION VALUE		3.19

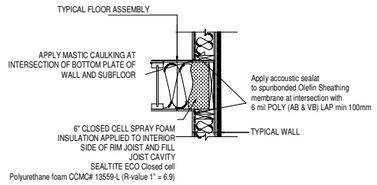


FOUNDATION WALL DETAIL

FOUNDATION WALL ASSEMBLY - CLIMATE ZONE 7A		
EXTERIOR DAMP PROOFING		--
CONCRETE WALL		0.08
AIR CAVITY IN FRAMING		0.18
2X6 STUDS @ 24 O.C. (13% AREA @1.19 RSI)	RS1(parallel) = 100 / (13/1.19)+(87/3.34)	2.70
R20 FIBERGLASS BATT INSULATION (87% AREA @3.34)		
6 MIL POLY VAPOR BARRIER		--
1/2" GYPSUM BOARD		0.06
INTERIOR AIR FILM		0.12
TOTAL EFFECTIVE INSULATION VALUE		2.97



ROOF DETAIL



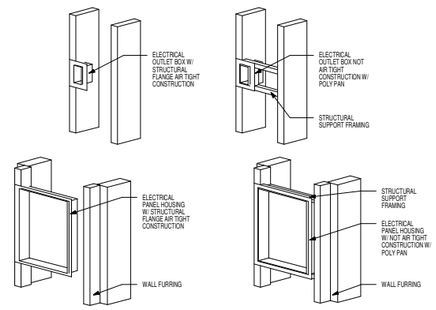
RIM JOIST DETAIL

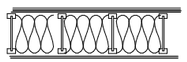
CEILING BELOW ATTIC SPACE		
EXTERIOR AIR FILM		--
ROOFING MATERIAL (ASHPHALT SHINGLES)		--
AIR FILM		--
3/8" PLYWOOD		0.083
R 50 LOOSE FILL INSULATION		7.14
BOTTOM 2X4 TRUSS CHORD (11% AREA @ 0.75)	RS1(parallel) = 100 / (11/0.75)+(89/1.67)	1.47
CAVITY (89% AREA @1.67)		
6 MIL POLY VAPOR BARRIER		--
1/2" GYPSUM BOARD		0.06
INTERIOR AIR FILM		0.12
TOTAL EFFECTIVE INSULATION VALUE		8.83

RIM JOIST SPACE		
1.5" LUMBER RIM BOARD		0.324
3/4" PLYWOOD SHEATHING		0.16
2X11 7/8" JOIST @ 16 O.C. (9% AREA @3.02 RSI)	RS1(parallel) = 100 / (9/3.02)+(91/2.62)	2.65
R14.9 SPRAY FOAM (60mm) INSUL (91% AREA @2.62 RSI)		
AIR BARRIER / SHEATHING MEMBRANE		--
3/8" CAPPILARY BREAK SPACE		0.15
EXTERIOR FINISH		--
EXTERIOR AIR FILM		0.03
TOTAL EFFECTIVE INSULATION VALUE		3.31

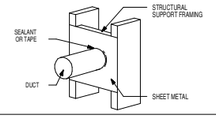
FOUNDATION WALL DETAIL

ELECTRICAL PENETRATIONS IN WALLS
ELECTRICAL PENETRATIONS IN WALLS, INCLUDING ELECTRICAL OUTLETS, WIRING, SWITCHES AND RECESSED LIGHT FIXTURES THROUGH THE PLANE OF AIRTIGHTNESS MUST BE AIRTIGHT. OPTIONS INCLUDE USING A COMPONENT THAT IS DESIGNED TO BE AIRTIGHT AND SEALING IT TO THE ADJACENT AIR BARRIER MATERIAL, OR BY COVERING THE COMPONENT WITH AN AIR BARRIER MATERIAL AND SEALING IT TO THE ADJACENT AIR BARRIER MATERIAL.





DUTCS DETAIL
DUCT PASSING THROUGH UNHEATED SPACES SHALL HAVE ALL JOINTS TAPED OR OTHERWISE SEALED TO ENSURE THAT THE DUCTS ARE AIRTIGHT THROUGHOUT THEIR LENGTH. DUCTS IN OR BENEATH CONCRETE SLABS-ON-GROUND SHALL BE WATERTIGHT AND CORRISION-, DECAY-, AND MILDEW-RESISTANT. EXHAUST DUCTS LEADING DIRECTLY TO THE EXTERIOR, DUCTS AND PLENUMS CARRYING CONDITIONED AIR AND LOCATED OUTSIDE THE PLANE OF INSULATION SHALL HAVE ALL JOISTS SEALED AGAINTS AIR INFILTRATION AND EXFILTRATION WITH SEALANTS OR GASKETS MADE FROM LIQUIDS, MASTICS, OR HEAT-APPLIED MATERIALS, MASTIC WITH EMBEDDED FABRIC, OR FOIL-FACED BUTYL TAPE. (FABRIC-BACKED TAPE WITH RUBBER ADHESIVE SHALL NOT BE USED AS A PRIMARY SEALANT TO MEET THE REQUIREMENTS OF CLAUSE)

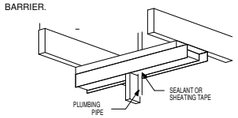


MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS PLACED WITHIN AND PARALLEL TO AN EXTERIOR WALL REQUIRED TO BE INSTALLED TO THE EFFECTIVE THERMAL RESISTANCE REQUIRED FOR THE WALL AT THE PROJECTED AREA OF THE SYSTEM COMPONENT.

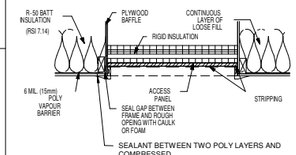
WITHOUT HRV'S, EVERY DUCT OR OPENING INTENDED TO DISCHARGE AIR TO THE OUTDOORS SHALL BE EQUIPPED WITH A MOTORIZED DAMPER OR GRAVITY OR SPRING OPERATED BACKFLOW DAMPER (9.36.3.3)

AIR BARRIER SYSTEM CONSIST OF FLEXIBLE SHEET MATERIAL, ALL JOINTS SHALL BE LAPPED NOT LESS THAN 50mm, SEALED, AND STRUCTURALLY SUPPORTED.

VENT PIPE
PLUMBING VENT STACK PIPES THAT PENETRATES THE BUILDING
ENVELOPE MUST BE MADE AIRTIGHT BY EITHER SEALING THE AIR
BARRIER MATERIAL TO THE VENT STACK PIPE WITH A COMPATIBLE
MATERIAL OR SHEATHING TAPE, OR INSTALLING A RUBBER GASKET OR
PREFABRICATED ROOF FLASHING AT THE PENETRATION OF THE PLANE
OF AIRTIGHNESS AND SEALING IT TO THE ADJACENT AIR BARRIER.



ATTIC HATCH
AIR LEAKAGE OCCURS THROUGH THE JOINT BETWEEN THE HATCH AND THE AIR BARRIER IN THE CEILING. THE HATCH IS MOST OFTEN A PIECE OF GYPSUM BOARD CUT TO SIZE RESTING ON A LEDGE MADE FROM WOOD TRIM OR THE EDGE OF THE CEILING. AIR SEALING CAN BE ACHIEVED BY ENSURING THE HATCH IS SIZED PROPERLY SO THAT IT HAS ENOUGH CONTACT WITH THE OPENING LEDGE AND PROVIDING A CLOSED CELL FOAM GASKET AROUND THE PERIMETER.



ABOVE GROUND FLOOR ASSEMBLY - CLIMATE ZONE 7A		
EXTERIOR AIR FILM		0.03
EXTERIOR FINISH		--
2 PLY BUILDING PAPER		--
3/4" PLYWOOD		0.16
2X16 JOISTS @ 16 O.C. (13% AREA @3.02 RSI)	RS1(parallel) = 100 / (13/3.02)+(87/5.48)	4.95
R31 FIBERGLASS BATT INSULATION (87% AREA @5.48)		
6 MIL POLY VAPOR BARRIER		--
1/2" GYPSUM BOARD		0.06
INTERIOR AIR FILM		0.12
TOTAL EFFECTIVE INSULATION VALUE		5.45

1 General notes
1" = 1'-0"

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Details

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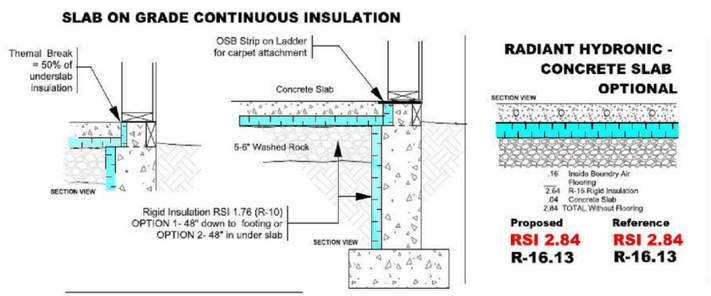
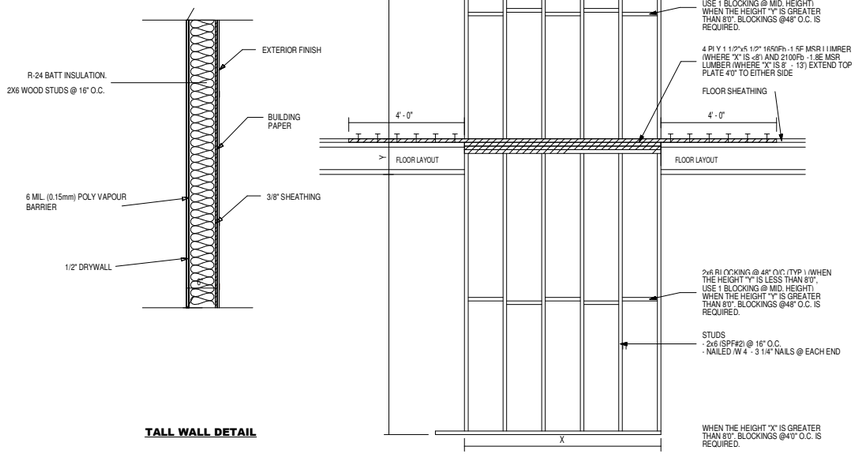
A401

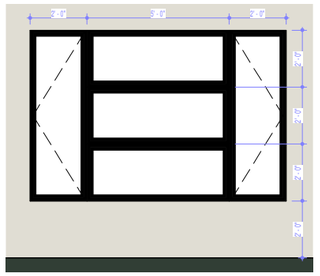
Scale	As indicated



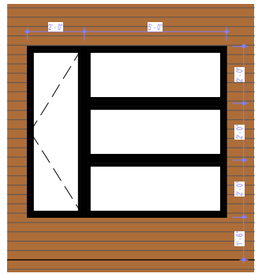


1 Tall Wall
12" = 1'-0"

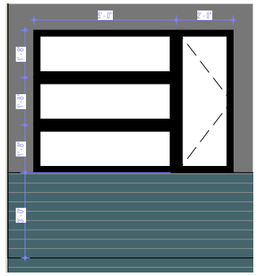
ENGINEERED TALL WALL GENERAL NOTES:
1. ALL STUDS SHALL BE NAILED WITH MIN. 4 NAILS @ EACH STUD END USING 3 1/4" x 0.131" (12d) COMMON WIRE/SPIRAL (U.N.O.)
2. KING STUDS (MORE THAN 3 PLY) SHALL BE FASTENED USING SDS SIMPSON WOOD SCREWS (OR EQUIVALENT) @48" O.C. ON EACH SIDE STAGGERED OR THREADED ROD/THROUGH BOLT @48" O.C.
3. USE TWO A23 SIMPSON FRAMING ANGLES (OR EQUIVALENT) AT EACH KING STUD TO PLATE CONNECTOIN.
4. STUDS, PLATES, JAMBS, AND LINTELS ARE ASSUMED TO BE SPF#2 OR BETTER,
A. SHEATHED ON THE EXTERIOR WITH MIN. 3/8" OSB OR PLYWOOD SHEATHING OR 1/2" DRYWALL.
OSB AND PLYWOOD SHEATHING TO BE NAILED WITH MIN. 1 1/2" STAPLES @ 4" O.C. AT EDGES OF SHEATHING PANEL AND 12" O.C.
ELSEWHERE OR 2" COMMON WIRE NAILS @ 6: O.C. AT EDGES AND 12" O.C. ELSEWHERE. DRYWALL TO BE SCREWED WITH MIN.
1 1/4" DYWALL SCREWS AT 8" O.C. AT EDGES OF SHEATHING PANEL AND 12" O.C. ELSEWHERE. PROVIDE VERTICALWALL BLOCKING @ EVERY 4 FT O.C.. OR
B. SHEATHED ON THE EXTERIOR WITH 5/8" GYPSUM SHEATHING WITH VERTICAL WALL BLOCKING @ EVERY 4FT O.C.. SCREW WITH MIN. 1 5/8" BUGLE HEAD, RUST-RESISTANT, COARSE THREAD SHARP POINT SCREW @ 4" O.C. AT EDGES OF SHEATHING PANEL AND 8" O.C. ELSEWHERE.
5. PROVIDE STUDS UNDER GIRDER TRUSS LOCATION (NUMBER OF STUDS NEEDED = GIRDER PLIES +1).
6. AT TALL WALL CORNERS, EXTEND SHEATHING 5 1.2: OVER FROM ADJACENT WALL AND NAIL SHEATHING AT THE CORNER TO ADJACENT WALL WITH 2 ROWS OF 2" C.W.N. (OR 1 1/2" STAPLE) @ 12" O.C..
7. PRESSURE TREATED LUMBER IS REQUIRED WHEN WALL COME IN DIRECT CONTACT WITH CONCRETE.
8. THE TALL WALL HAVE BEEN DESIGNED IN ACCORDANCE WITH STANDATA AND THE 2014 ALBERTA BUILDING CODE.
9. THIS ENGINEERED TALL WALL WILL BE ASSEMBLE ON SITE.



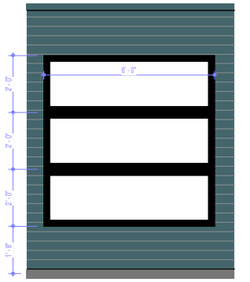
2 W1
3/8" = 1'-0"



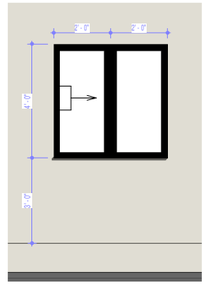
3 W2
3/8" = 1'-0"



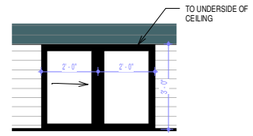
4 W3
3/8" = 1'-0"



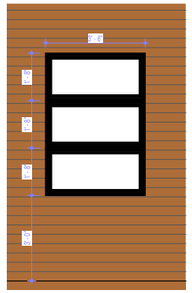
5 W4
3/8" = 1'-0"



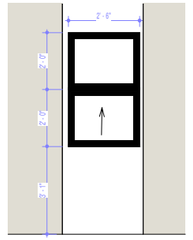
6 W5
3/8" = 1'-0"



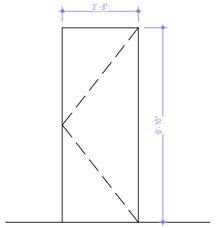
7 W6
3/8" = 1'-0"



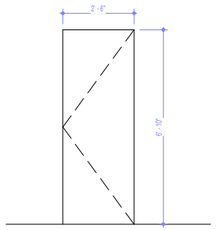
8 W7
3/8" = 1'-0"



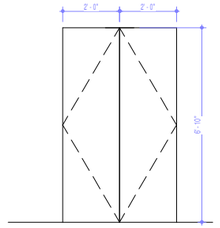
9 W8
3/8" = 1'-0"



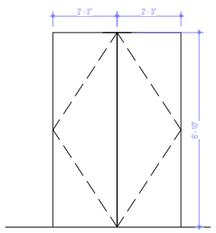
10 D1
3/8" = 1'-0"



11 D2
3/8" = 1'-0"



12 DD1
3/8" = 1'-0"



13 DD2
3/8" = 1'-0"

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