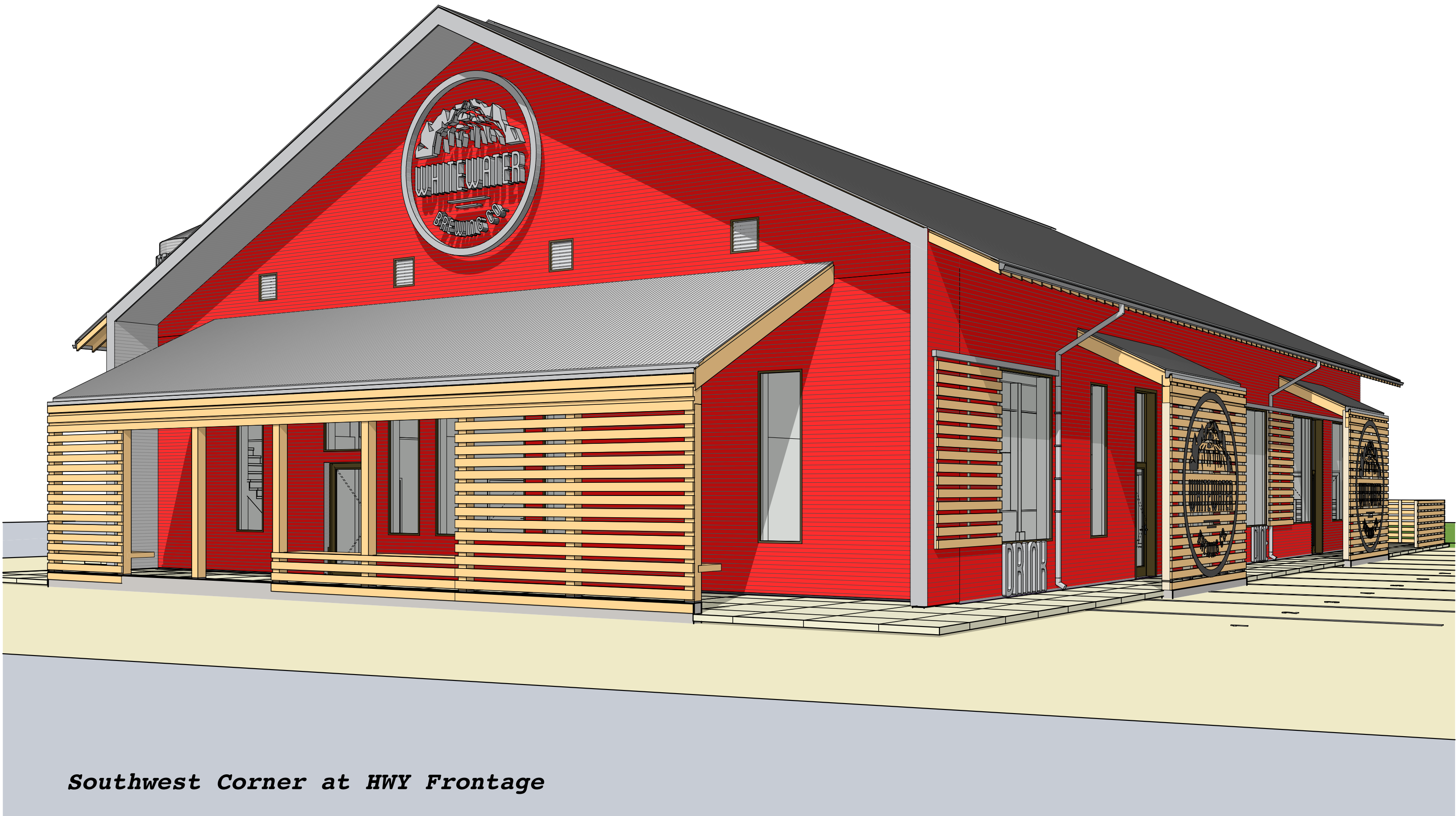
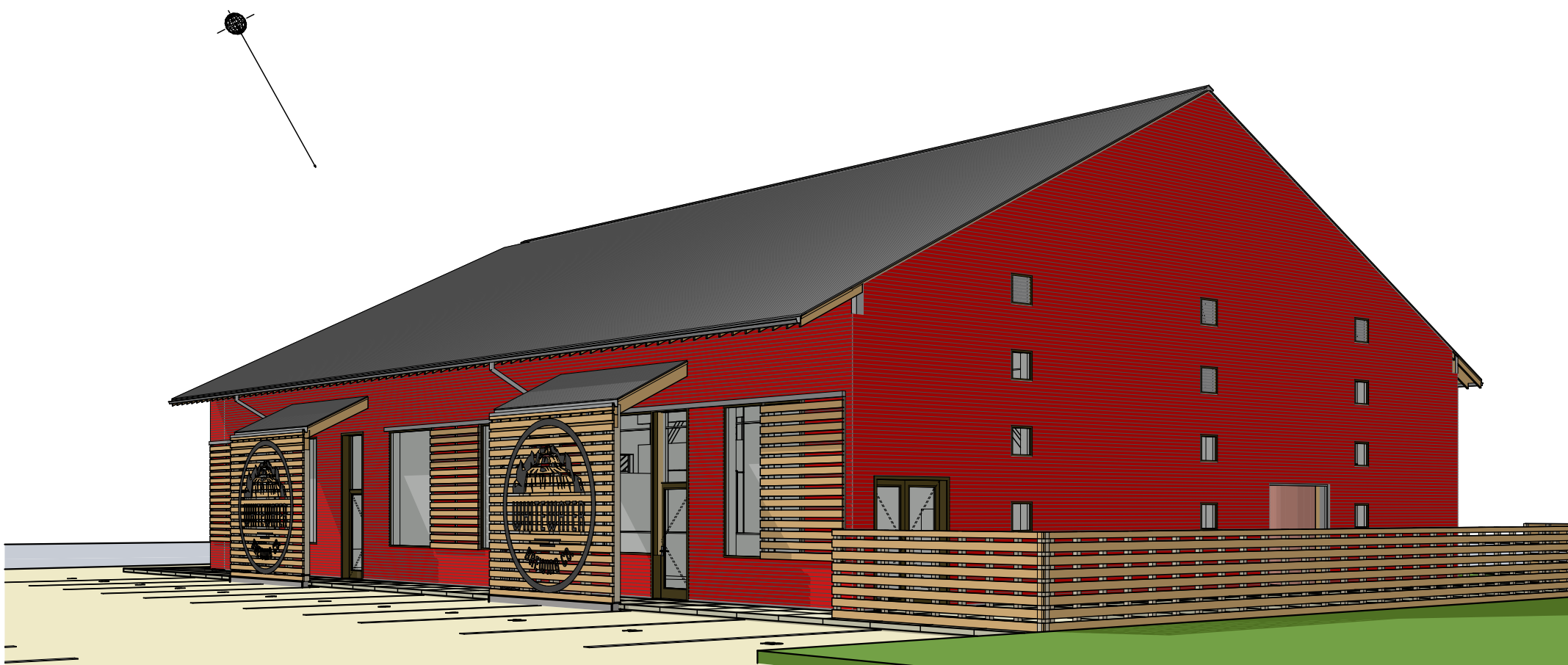




Service entry at HWY Frontage (above)
Northeast Corner at Patio (below)



Southwest Corner at HWY Frontage

WHITEWATER BREWING COMPANY



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ISSUANCE	DATE DD/MM/YY
1 Coordination	May 23rd, 2015
2 Coordination 2	Aug 14th, 2015
3 Coordination 3	Sept 4th, 2015
4 Coordination 4	Sept 19th, 2015
5	

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A0.02	Notes		
A0.03	OBC Matrix		
A1.01	Keyplan		
A1.02	Siteplan		
A1.03	CIVIL		N/A
A2.01	Foundation Plan		
A2.02	Ground Floor Plan		
A2.03	Second Floor Plan		
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A4.01	North & South Elevations		
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A5.01	Building Sections 1/3		
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A6.01	Wall Sections 1/2		
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A7.01	Interior Elevations 1/2		
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Mechanical & Electrical Engineer
TBD - PENDING FOR COORDINATION

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Stats

NEW COBDEN SITE HWY 17
LOT AREA: 4960m²
BUILDING AREA: 637m² (OBC:3.2.2.25)
OCCUPANCY TYPE: A2 (BREWERY & DINING)

FSR 31%

PARKING CALCULATION
COBDEN ZONING REQ'D PLACES
EATING ESTABLISHMENT 1 STALL/4 PERSONS
OCCUPANCY OF DINING HALL: 122m², 122/1.1=110PPL
(OBC: 3.1.17.1 OCCUPANT LOAD: 1.1m²/PP)
110PPL/4 = 28 PATRON STALLS REQ'D.*
'OTHER' USES: 1 STALL/37m², 637m²-122m²= 512m²/
37= 14 STAFF STALLS REQ'D

*3 BARRIER-FREE SPACES PROVIDED AT PRIMARY ENTRY

TOTAL NEW PARKING SPACES REQ'D = 28+14= 42

BICYCLE PARKING
NEW SPACES (0 RACKS) 0

Keyplan: Cobden



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Whitewater Brewery
project # 2014-003
Whitewater Brewing
Company
Hwy 17
Cobden, ON

Title Sheet +
Index
A0.01

ASSEMBLIES

ROOF ASSEMBLIES

R1: METAL ROOF

- 22GA 7/8" SINEWAVE GALVALUME ROOFING (SILVER)- ALIGN W. SLOPE, USE MATCHING FASTENERS, SPACING PER MANUFACTURER INSTRUCTIONS
- 1" X 4" LATERAL PT WOOD STRAPPING
- PALISADES ROOF MEMBRANE - ENTIRE ROOF SURFACE
- ICE AND WATER SHIELD FROM EDGE OF ROOF TO 900mm [3'-0"] BEYOND INNER FACE OF EXTERIOR WALL
- PRE-ENGINEERED ROOF TRUSS - SPACED 24" (600) O.C. MAX.SEE STRUCTURAL NOTES ON PLANS.

TO BE DESIGNED AND CONSTRUCTED TO BEAR ON

GRIDLINES 1, 2, 3 AND 4 (TYP)

- MIN. 11"x3.5" ROXUL BATT INSULATION [R48+R12 = R60]

- 6 MIL POLY AVB
- 0.5" GWB C/W PRIMER & 2 COATS LATEX PAINT
- GALVANIZED RECTANGULAR RWL/DOWNSPOUTS SHALL CARRY RAINWATER AWAY FROM THE BUILDING THAT WILL PREVENT SOIL EROSION - SEE LOCATIONS ON PLANS/ELEVATIONS [AS PER OBC 9.27.2.4] [AS PER OBC 9.26.8]

ALL RWL, DOWNSPOUTS, FLASHING AND LOCATIONS TO BE APPROVED BY ARCHITECT.

NOTES:

- SOFFITS AND INNER SIDE OF EXTERIOR WALL EXTENSIONS (4' PROJECTION FROM BUILDING SOUTH WALL) TO BE CLAD W. 7/8" (26GA)GALVALUME (SILVER)SEE A4.01 - SOUTH ELEVATION. PROVIDE VENT SCREEN AT BOTH EDGES.
- FASCIA, WINDOWS TO BE CLAD W. COLOUR MATCHING GALVALUME - C/W ALL RELATED TRIMS PROVIDED BY MANUFACTURER (L, J, CORNER AND OTHER TRANSITION MOULDINGS) TO BE APPROVED BY ARCHITECT.
- ALL ROOFING TO HAVE GALV. METAL ANGLE SNOW GUARDS (SILVER)
- VENTED STRUCTURAL DECKING TO BE PROVIDED AS FINISHED SOFFITS ON EAST AND WEST ROOF OVERHANGS - SEE WALL SECTIONS
- METAL ROOFING REQUIRES ALL RECOMMENDED DETAILS SUCH AS EAVE AND GABLE STARTERS, VENTED CLOSURE AT PEAK, AND RIDGE CAP. SEE 18GA GALV. CUSTOM GUTTER DETAILING AT WALL SECTIONS
- FIRE RETARDANT TREATED WOOD SYSTEM PER 3.1.14.1

FLOOR ASSEMBLIES

F1 HEATED CONCRETE SLAB

- 4" CONCRETE FG REINFORCED POWER-FLOATED SLAB C/W RADIANT PEX ZIPTIED TO 6x6 WMM 3" BFF [REFER TO STRUCTURAL, MECHANICAL]
- VAPOR BARRIER OVER 2x2.5" XPS (SM/BLUE) RIGID INSULATION [FIRST HORIZ. 36" AT PERIMETER]
- 2" XPS/SM/BLUE RIGID INSULATION [ENTIRE HEATED SLAB]
- TAMPED GRANULAR FILL - SEE GEOTECHNICAL/STRUCTURAL
- SLOPE CONCRETE TO ALL NOTED DRAINS

F2: UPPER/LOFT FLOOR

- 1.5" 'PROFILE 32' PINE STRUCTURAL DECK 2" BEARING
- 2x10 I-JOISTS @ 16" O.C. [REFER TO STRUCTURAL]
- RIGID INSULATION AS REQUIRED OVER WIC (SEE MEP)
- 5/8" GREEN GWB C/W PRIMER & 2 COATS LATEX PAINT
- WRAP ALL TRIM JOISTS W/ AIR BARRIER PRIOR TO INSTALLATION ON TO EXTERIOR WALL AND PRIOR TO ERECTION OF STUD WALLS.
- ALLOW FOR OVERLAP AND CONTINUITY OF AIR&VAPOUR BARRIER.

F3: EXTERIOR DECKING (FUTURE/N.I.C.)

- 2"x6" PT DECKING
- 3/8" SPACE
- PT JOISTS @ 12" OC. [REFER TO STRUCTURAL]

F4: EXTERIOR CONCRETE PERIMETER SKIRT

- 4" EXTERIOR CONCRETE OVER MIN. 4" COMPACTED GRANULAR FILL (SEE CONCRETE NOTES)
- SLOPE MIN. 2% AWAY FROM FDN WALLS
- BROOM FINISHED, EXPOSED CORNERS SMOOTH TROWELED W TROWELED EXP. JOINTS EVERY 60" - SEE PLANS FOR PATTERNS

FOUNDATION

- 0.5" CEMENT PROTECTION BOARD TO 24" BFG
- 0.75" DIMPLE BOARD DRAINAGE LAYER FULL DEPTH
- 2.0" XPS INSULATION (SM) FULL DEPTH OF FOUNDATION WALL ADHERED TO FDN WALL BITUMINOUS DAMPPROOFING ON MIN.
- 1/4" PARGING ON 8" POURED CONCRETE WALL
- FOOTING TO BEAR ON UNDISTURBED SOIL OR PINNED INTO EXPOSED BEDROCK
- PROVIDE DRAINAGE LAYER - MIN. 6" OF FREE DRAINING GRANULAR MATERIAL W/ FILTER CLOTH ON TOP
- CONNECT NEW 4" DIA. WEEPING TILE C/W FILTER-CLOTH 'SOCK' W/ 6" CRUSHED STONE COVER. WEEPING TILE TO BE PLACED ON TOP OF MIN. 6" CRUSHED STONE

CONTRACTOR TO ENSURE THAT ALL WEEPING TILE CONNECTIONS ARE EFFECTIVE, AND THAT THE SYSTEM PROVIDES PROPER DRAINAGE.

FOOTINGS AND FOUNDATIONS AS PER OBC 9.15.3.9 - SEE STRUCTURAL NOTES.

FOOTINGS (SEE STRUCTURAL FOR SIZES)

CONCRETE FOOTINGS REINFORCED AS SHOWN PROVIDE 4" MIN. DRAIN TILE COVERED WITH FILTER CLOTH AND SURROUNDED BY 6" MIN. GRANULAR MATERIAL GEO-TEXTILE FABRIC TO BE INSTALLED OVER GRANULAR MATERIAL. TO REDUCE WICKING CLOSED CELL FOAM GASKETING IS TO BE APPLIED TO THE TOP OF THE FOOTING BEFORE THE WALL IS ERECTED.

SILL PLATE

- 2"x6" PT SILL PLATE FASTENED TO FND. WALL W/ MIN. 1/2" DIA. ANCHOR BOLTS EMBEDDED IN MIN. 4" CONC. @ 7'10" O/C. MAX & PROVIDE CAULKING & GASKET B/W PLATE & FDN. WALL.
- HEADER WRAP TO BE SEALED TO CONCRETE WALL

EXTERIOR WALL ASSEMBLIES:

W1: GALVALUME-CLAD, INSULATED EXTERIOR WALLS (R32)

- 7/8" (SINEWAVE) **ALIGN WAVES HORIZONTAL** 24GA GALVALUME CLADDING (RED)C/W COLOUR MATCHED FASTENERS SPACED PER MANUFACTURERS INSTRUCTIONS.
- 19mm[1.5"] P.T. VERT. STRAPPING @ 24" O.C. C/W COR-A-VENT AT TOP AND BASE OF WALL
- 2" SM XPS EXTERIOR INSULATION OR APPROVED EQ.
- TYPAR OR VP100 INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS
- 13mm[1 1/2"] EXTERIOR SHEATHING
- 39mmX140mm[2"x6"] STUD AT 12" O.C. (CAPILARRY BREAK W. CLOSED CELL SILL GASKET FOAM) SINGLE PT (PRESSURE TREATED) SILL PLATE AND DOUBLE SPF TOP PLATE - SEE STRUCTURAL NOTES
- R22 ROXUL BATT INSULATION TO FILL CAVITY - CAREFULLY SPLIT BATTS FOR ALL EXTERIOR WALL ELECTRICAL SERVICES
- APPROVED 6mm POLYETHYLENE VB
- 12.5 mm[1/2"] GWB C/W P1 (TYP) (SEE FINISH NOTE BELOW)
- THERMALLY-BREAK ALL HEADERS WITH RIGID SM INSULATION TO AVAILABLE DEPTH, FILL & SEAL ALL VOIDS

INTERIOR WALL ASSEMBLIES

W3: RESERVED

W4: RESERVED

W5: RESERVED

W6: LOAD-BEARING PARTITION (SEE STRUCT. NOTES)

- 5/8" [15mm] GWB C/W P1 FINISH
- 5.5" (2X6) WOOD STUDS @12" O.C.
- 5/8" [15mm] GWB C/W P1 FINISH

W6A: INSULATED BEARING PARTITIONS (WALK-IN-COOLERS)

- HAVELOCK METALS SIMPLY LINER (COLD-SIDE) LOW PROFILE METAL
- APPROVED 6mm POLYETHYLENE VB (WAIVED IF 2LB CLOSED CELL FOAM SPRAYED IN PLACE USED)
- 5/8" [15mm] CEMENT BOARD
- 5.5" (2X6) WOOD STUDS @12" O.C. C/W R22 ROXUL INSULATION
- APPROVED 6mm POLYETHYLENE VB (WAIVED IF 2LB CLOSED CELL FOAM SPRAYED IN PLACE USED)
- 5/8" GWB (WARM SIDE)

* CEILING TO MATCH DETAILING & R-VALUE. APPLY AVB TO BOTH-SIDES OF INSULATION - OR USE POLYURETHANE-INSULATION.

W7: 3 1/2" STUD (NON-BEARING)

- 1/2" [12.5mm] GWB
- 3 1/2" WOOD STUDS @ 16" O.C.
- SAFE AND SOUND ACOUSTIC BATT INSULATION
- 1/2" [12.5mm] GWB C/W P1 FINISH

W8: 3 1/2" STUD FURRING PARTITION (NON-BEARING)

- 1/2" [12.5mm] GWB (INTERIOR SIDE ONLY) (FINISH P1)
- 3 1/2" WOOD STUDS @ 16" O.C.

NOTE:

•ALL KITCHEN WALLS & CEILING TO BE LINED WITH HAVELOCK METALS SIMPLY LINER LOW PROFILE METAL MOUNTED ON 1/2" OSB SHEET GOODS USING PAN SCREWS IN CAMBRIDGE WHITE OR APPROVED HYGIENIC EQUIVALENT.

- PROVIDE SOLID WOOD BLOCKING AS NEEDED FOR BARRIER-FREE ACCESSORIES, FIXTURES & MILLWORK

- ALL FINISH-SIDE GWB TO RECEIVE 1 COAT PRIMER & 2 COATS LATEX PAINT - AKA. P1 FINISH (TYP.) EXCEPT WHERE TILE OR STEEL LINER NOTED.

- WASHROOM (DEFAULT) AND/OR KITCHEN WALLS (OPTIONAL) TO RECEIVE TILE TO BE APPLIED OVER 1/2" TILE BACKER

- ALL TILE TO USE LATICRETE SYSTEMS AND ACCESSORIES FOR THIN-SET MORTAR, HYDRO-BAN MEMBRANES, EPOXY GROUT, ETC. ALL TILE EDGING AND TRANSITIONS TO USE SCHLUTER ANODIZED ALUMINUM PROFILES.

TBD: CEILINGS FOR WIC, WASHROOM, KITCHEN - PENDING MEP COORDINATION & INSULATION/AVB REQUIREMENTS.

GENERAL INSTRUCTIONS:

INSTALLATION OF ALL PRODUCTS TO BE AS PER PRODUCTS MANUFACTURERS SPECIFICATION AND BEST PRACTICES. THIS INCLUDES BUT IS NOT EXCLUSIVE TO PRODUCTS USED IN ROOF, WALL AND FLOOR ASSEMBLIES, DOORS AND WINDOWS,,FIXTURES AND FINISHES, AND EQUIPMENT AND APPLIANCES. ALL CONSTRUCTION PRACTICES TO COMPLY WITH CURRENT ONTARIO BUILDING CODE REGULATIONS

CONCRETE WORK

FOUNDATION

- FOOTINGS SHALL BE FOUNDED ON NATIVE, INORGANIC, UNDISTURBED SOIL CAPABLE OF SUSTAINING MIN 3,000 PSF. OF ALLOWABLE BEARING PRESSURE.
- SLOPE BETWEEN STEPPED OR ADJACENT FOOTINGS SHALL BE A MAX. OF 7 VERTICAL AND 10 HORIZONTAL UNLESS APPROVED BY SOIL ENGINEER TO BE GREATER. STEPS SHALL NOT EXCEED 2'-0" VERTICALLY.
- EXTERIOR FOOTINGS SHALL BE FOUNDED AT A LEVEL AT LEAST 4'-0" BELOW FIN. GRADE.

SLAB ON GRADE

- BEDDING FOR SLAB ON GRADE TO BE A MIN. 8" THICK LAYER OF GRANULAR 'A' OR 3/4" CRUSHER RUN LESTONE, COMPACTED TO 98% STANDARD PROCTOR DENSITY.
- PROVIDE 6 MIL POLYETHYLENE VAPOUR BARRIER BETWEEN SLAB AND GRANULAR BEDDING.
- ALL SLABS ON GRADE SHALL BE REINFORCED WITH WMM6X6X6/6 PLACED 1" CLEAR FROM BOTTOM OF SLAB (RADIANT PEX FLOOR C/W MIN. 2" SM INSULATION).

CONCRETE

- CAST IN PLACE CONCRETE CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF CAS STANDARD CAN3-A23.1-M84.
- ALL CONCRETE SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 25 Mpa AT 28 DAYS UNLESS NOTED OTHERWISE ON PLANS.
- PROVIDE 7% AIR ENTRAINMENT FOR ALL CONCRETE EXPOSED TO WEATHER.
- ALL REINFORCING STEEL TO BE DEFORMED BARS CONFORMING TO CSA G30.12-M GRADE 400.
- COLD WEATHER CONCRETING SHALL CONFORM TO CSA STANDARD CAN3-A23.L-M84.
- PROVIDE TEMPORARY ENCLOSURE AND HEATING WHEN REQUIRED.

MASONRY

- MASONRY CONSTRUCTION SHALL CONFORM TO CSA STANDARD CAN3-A371-M84.
- ALL PLAIN AND REINFORCED MASONRY SHALL CONFORM TO CAN3-A165 SERIES-M85 FOR CONCRETE MASONRY UNITS AND CAN/CSA-A82.1-M87 BURNED CLAY UNITS.
- ALL CONCRETE BLOCKS SHALL HAVE A MIN. ULTIMATE COMPRESSIVE STRENGTH OF 22 Mpa ON NET AREA.
- MORTAR FOR ALL MASONRY WALLS SHALL BE TYPE 'S' AS DEFINED IN CSA STANDARD A179-M1976.
- CONC. BLOCK WALLS SHALL BE REINFORCED HORIZ. W/ STANDARD 'BLOK-LOK' AT 16" OC VERTICALLY AS PER MAN. SPECS.
- REINFORCED MASONRY SHALL BE GROUTED WITH 15 Mpa CONCRETE, 3/8" AGGREGATE ('PEA' GRAVEL) W/ 8" SLUMP.

FRAMING

- [AS PER OBC 9.3.2.5]
- MOISTURE CONTENT OF LUMBER SHALL NOT BE MORE THAN 19% [AS PER OBC 9.3.2.6]
- LUMBER DIMENSIONS TO BE IN CONFORMANCE WITH CSA 0141.
- A CLEARANCE OF NOT LESS THAN 200mm[8"] SHALL BE PROVIDED BETWEEN THE FINISHED GROUND AND THE CLADDING THAT IS ADVERSELY AFFECTED BY MOISTURE, SUCH AS UNTREATED WOOD, OSB, HARDBOARD.
- SHEATHING MEMBRANES SHALL CONFORM TO CAN/CGSB-51.32M]
- ALL WOOD FRAMING THAT IS NOT PRESSURE TREATED AND IS IN CONTACT WITH CONCRETE SHALL BE SEPARATED FROM THE CONCRETE W/ APPROVED MIN. 6mm POLYETHYLENE VB OR NO. 50 ROLL ROOFING. [EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 300mm[12"] ABOVE GRADE]
- ALL JOISTS TO BE BRIDGED W/ 38mmx38mm[2"x2"] CROSS BRIDGING OR SOLID BLOCKING AT 2100MM[7'-10"] O.C. MAX. STRAPPING SHALL BE 19mmx164mm[1"x3"] SPACED AT 2100mm[7'-0"] O.C. WHERE SPECIFIED. PROVIDE BLOCKING@1200mm[3'-11"]MAX. BELOW WALLS RUNNING PARALLEL TO JOISTS.
- SOLID WOOD BEARING COMPRISED OF BUILT-UP WOOD STUDS TO BE CONSTRUCTED IN ACCORDANCE W/ OBC 9.17.4.2[2]
- STUD WALL REINFORCEMENT FOR FUTURE GRAB BARS IN WASHROOMS
- REINFORCEMENT OF STUD WALLS SHALL BE INSTALLED ADJACENT TO TOILETS, SHOWER, AND BATHTUB IN ALL WASHROOMS.
- [AS PER OBC 9.5.2.3, 3.8.3.8[1][D], 3.8.3.13[1][F]
- SUB-FLOORING SHALL BE AS PER OBC 9.23.14
- SUB-FLOORING SHALL BE INSTALLED AS PER 9.23.3.5
- ALL FLOOR FINISHES TO BE MADE LEVEL WITH ADJACENT FLOOR FINISHES.CERAMIC TILE TO BE INSTALLED ON MIN.1/2" MORTAR SETTING BED ON 1 1/2" CONCRETE TOPPING [W/ WIRE MESH REINFORCING AT MID-DEPTH] ON 3/4" T&G PLYWOOD SCREWED AND GLUED ON FLOOR JOISTS.

ADDITIONAL:

FLASHING INSTALLATION OF FLASHING SHALL CONFORM TO OBC 9.27.3.8. ALL FLASHING SHALL BE GALVANIZED METAL.

CLADDING [AS PER OBC 9.27.4]

CAULKING SHALL BE PROVIDED AT VERTICAL JOINTS BETWEEN DIFFERENT CLADDING MATERIALS UNLESS THE JOINT IS SUITABLY LAPPED OR FLASHED TO PREVENT THE ENTRY OF RAIN. [AS PER OBC 9.27.2]

MATERIALS FOR FLASHING SHALL BE GALVANIZED METAL. DRIPS BELOW WINDOW SILLS SHALL BE PROVIDED W/ AND OUTWARD SLOPE AND A DRIP LOCATED NOT LESS THAN 25mm[1"] FROM THE WALL SURFACE

THE ATTACHMENT OF CLADDING SHALL BE AS PER OBC 9.27.5

FIREPLACES AND VENTING

FIREPLACES SHALL CONFORM TO OBC 9.22 [AS PER OBC 9.21.1.3] DIRECT VENTING GAS FIREPLACE VENT: DIRECT VENT GAS FIREPLACE VENT TO BE A MIN 300mm[12"] FROM ANY OPENING AND ABOVE FIN. GRADE ULC RATED "B" CLASS VENT 610mm[2'-0"] ABOVE THE POINT IN CONTACT W/ THE ROOF FOR SLOPES UP TO 9:12 [REFER TO GAS UTILIZATION CODE] DIRECT VENTING GAS FURNACE VENT DIRECT VENT FURNACE TERMINAL MIN.900mm[36"] FROM GAS REGULATOR MIN.300mm[12"] ABOVE FIN.GRADE, FROM ALL OPENINGS, EXHAUST AND INTAKE VENTS. HRV INTAKE TO BE MIN. 1830mm[6'-0"] FROM ALL EXHAUST TERMINALS. [REFER TO GAS UTILIZATION CODE] [AS PER OBC 9.32.3.5 AND 9.32.3.10]

WASHROOM MECHANICAL EXHAUST FAN VENTED TO EXTERIOR. [AS PER OBC 9.10.22.2]

STAIRS AND HANDRAILS

GUARDRAIL/ HANDRAIL [AS PER OBC 9.8.7.1] HANDRAILS ARE REQUIRED ON AT LEAST ONE SIDE OF STAIRS OR RAMPS LESS THAN 1100mm[3'-7"] IN WIDTH HANDRAILS ARE REQUIRED ON BOTH SIDES OF STAIRS OR RAMPS GREATER THAN 1100mm[3'-7"] IN WIDTH ALL GUARDS SECURED IN CONFORMANCE TO O.B.C. STANDARDS [AS PER OBC 9.8.7.4] RAIL@INT LANDING = 900mm[2'-11"] RAIL@INT STAIR = 800mm[2'-7"] RAIL@EXT LANDING [GREATER THAN 1800 ABOVE FIN. GRADE] = 1070mm[3'-6"] RAIL@EXT LANDING = 900mm[2'-11"] RAIL@EXT STAIR =900mm[2'-11"] PICKETS MAX. 100mm[4"] [AS PER OBC 9.8.7.5] A CLEARANCE OF NOT LESS THAN 50mm[2"] IS REQUIRED BETWEEN THE HANDRAIL AND THE SURFACE BEHIND IT. [A S PER OBC 9.8.8.1] GUARDS ARE REQUIRED IF THERE IS A DIFFERENCE IN ELEVATION GREATER THAN 60Omm[24"] BETWEEN THE WALKING SURFACE AND ANY ADJACENT SURFACE.

ALL STAIRS/ EXTERIOR STAIRS MAX. RISE = 200mm[7 7/8"] MIN. RUN = 210mm[8 ¼"] MIN. TREAD = 235mm[9 ¼"] MIN. NOSING = 25MM[1"] MIN. HEADRM = 1950mm[6'-5"] MIN. WIDTH = 860mm[2'-10"] FOR CURVED STAIRS: MIN. RUN = 150mm[5 7/8"] MIN. AVER. RUN = 200MM[7 7/8"]

ADDITIONAL:

REFER TO STRUCTURAL NOTES AND DRAWINGS FOR ALL STRUCTURAL. ANY DISCREPANCIES BETWEEN ARCHITECTURAL AND STRUCTURAL DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

ALL STRUCTURAL NOTES ARE FOR COORDINATION PURPOSES ONLY REFER TO STRUCTURAL DRAWINGS FOR ALL STRUCTURAL INFORMATION.

ALL INTERIOR DIMENSIONS ARE TO FACE OF STUD AND/OR STRUCTURAL MEMBERS. ALL INTERIOR WALLS ARE TO HAVE SAFE AND SOUND ACOUSTIC BATT INSULATION.

ALL PRODUCTS ARE TO BE INSTALLED ACCORDING TO PRACTICES SET OUT IN THE RELEVANT MANUFACTURES INSTALLATION SPECIFICATIONS.

CONTRACTOR IS RESPONSIBLE FOR ALL BACKFILL AND INTERIM SITE GRADING ENSURING THAT THERE IS A POSITIVE SLOPE AWAY FROM THE BUILDING AND THAT ACCESS TO THE REAR OF THE SITE IS POSSIBLE. A DRAWING OF SITE GRADING WILL BE PROVIDED BY THE CIVIL CONSULTANT.

OBC SB10 REQUIREMENTS FOR ZONE 7, PER TABLE SB5-7

ROOF: R60
WALLS: R24 (R32 - 2017)
SLAB: MIN.R5 (PREF R10, MODELLING TBD)
SLAB EDGES 36" IN: R25
WINDOWS & DOORS: FG FRAMES, 3X GLAZED, LOW-E, ARGON, NON-CONDUCTIVE SPACERS
VESTIBULES: NOT REQ'D
ENERGY MODELLING BY ARCHITECT PENDING

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1	Coordination	May 23rd, 2015
2	Coordination 2	Aug 14th, 2015
3	Coordination 3	Sept 4th, 2015
4	Coordination 4	Sept 19th, 2015
5		



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Whitewater Brewery
project # 2014-003

Whitewater Brewing
Company

Hwy 17

Cobden, ON

Notes

A0.02

Item

Ontario Building Code Data Matrix Parts 3 & 9

OBC Reference

1

Project Description:

☒ New

☐ Part 11

☒ Part 3

☐ Part 9

☐ Addition

11.1 - 11.4

1.1.2[A]

2.1.1

☐ Change of Use

☐ Alteration

1.1.3

2

Major Occupancy(s) A

3.1.2.1.(1)

9.10.2

3

Building Area (m²) Existing New 637 Total 637

1.4.1.2[A]

1.4.1.2[A]

4

Gross Area Existing New 703 Total 703

1.1.3.2

1.1.3.2

5

Number of Storeys Above grade 2 Below grade N/A

3.2.1.1 & 1.1.3.2

New Slab-on-grade construction with 66m² mezzanine level

6

Number of Streets/Access Routes 1

3.2.2.10 & 3.2.5.5

9.10.20

7

Building Classification 3.2.2.25

3.2.2.20.83

9.10.20

8

Sprinkler System Proposed

☐ entire building

☐ basement only

☐ in lieu of roof rating

☒ not required

☐ Yes

☒ No

3.2.2.20.83

3.2.1.5

3.2.2.17

3.2.9

9

Standpipe required

☐ Yes

☒ No

3.2.4

9.10.7.2

10

Fire Alarm required:

☒ Yes

☐ No

3.2.5.7

11

Water Service/Supply is Adequate

☐ Yes

☒ No

3.2.6

12

High Building

☐ Combustible

☒ Non-combustible

3.2.2.20.83

9.10.6

13

Permitted Construction

☐ Combustible

☒ Non-combustible

3.2.1.1.(3)(8)

9.10.6

14

Actual Construction

☐ Combustible

☒ Non-combustible

15

Mezzanine(s) Area m²: 66m²

3.2.1.1.(3)(8)

9.10.6

Occupant load based on

☒ m²/person

☐ design of building

3.1.17.1

9.9.1.3

Basement: Occupancy Load persons

1st Floor Occupancy A2 Load 110 persons

2nd Floor Occupancy Load persons

3rd Floor Occupancy Load persons

16

Barrier-free Design

☒ Yes

☐ No (Explain)

3.8

9.5.2

17

Hazardous Substances

☐ Yes

☒ No

3.3.1.2. & 3.3.1.19

9.10.1.3(4)

18

Required Fire Resistance Rating (FRR)

Horizontal Assemblies

FRR (Hours)

Floors 45min

Roof Waived

Mezzanine 45min

FRR of Supporting Members

Floors n/a

Roof n/a

Mezzanine 45min

Listed Design No. or Description (SG-2)

Fire-retardant treated wood roof system per 3.1.14.1

Listed Design No. Or Description (SG-2)

3.2.2.20.83 & 3.2.1.4

3.2.2.25.(2)(c)(i)

3.2.2.25.(2)(a)

9.10.8

9.10.9

19

Spatial Separation - Construction of Exterior Walls

3.2.3

9.10.14

Wall

Area of EBF (m²)

L.D. (m)

L/H or H/L

Permitted Max. % of Openings

Proposed % of Openings

FRR (Hours)

Listed Design or Description

Comb Const

Comb. Constr. Nonc. Cladding

Non-comb. Constr.

North

000

000

000

00%

00%

000

00.00.00

N

Y

N

South

000

000

000

00%

00%

000

00.00.00

N

Y

N

East

000

000

000

00%

00%

000

00.00.00

N

Y

N

West

000

000

000

00%

00%

000

00.00.00

N

Y

N

20

Plumbing Fixture Requirements

Male/Female Count : 50% / 50%, except as noted otherwise

OBC Ref: Part 3

Part 9

Occupant Load

BC Table Number

Fixtures Required

Fixtures Provided

9.9.9.9

1st Floor: Occupancy

110

3.7.4.3.A

2m/3f

3m/3f

3.7.4.2.

1st Floor: Occupancy (staff 1-9)

9/110

3.7.4.3.F

1m/1f

1m/1f

(Adjust as req'd for additional floors or occupancies)

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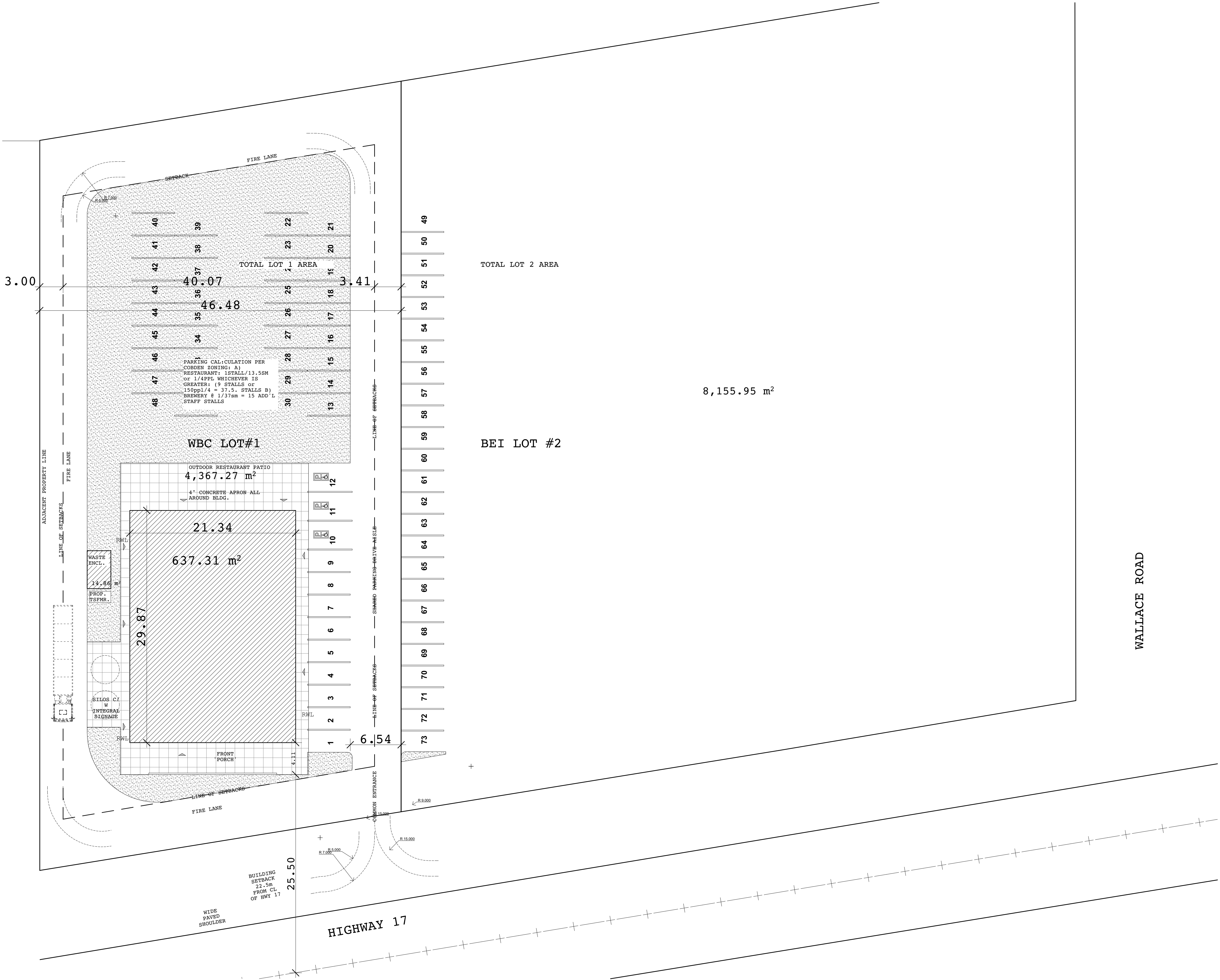
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Whitewater Brewery
project # 2014-003
Whitewater Brewing
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Hwy 17
Cobden, ON

OBC Matrix

A0.03



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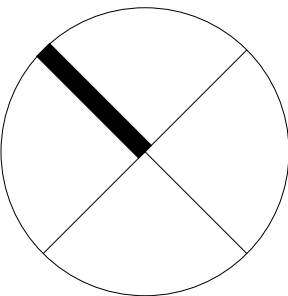
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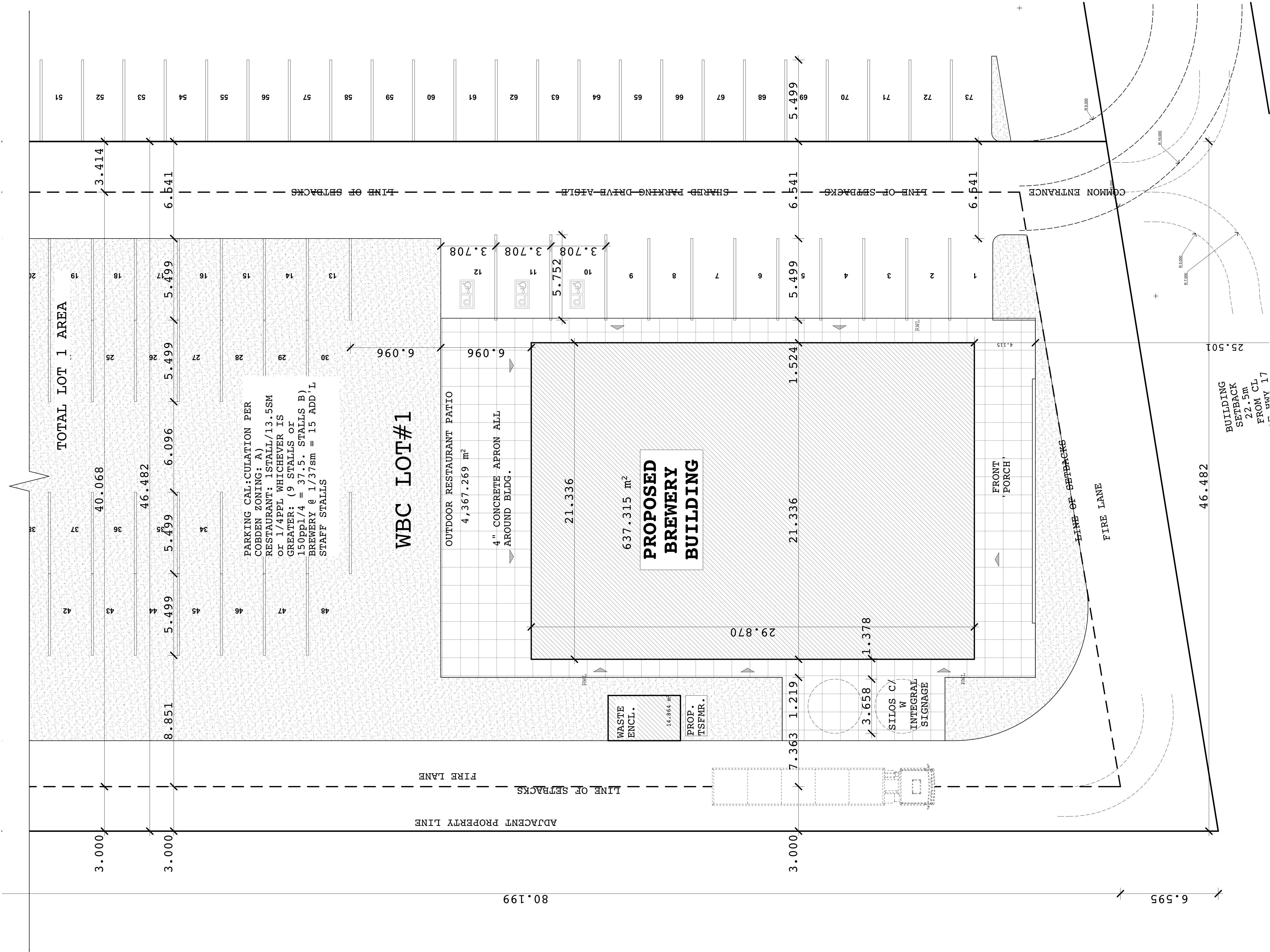
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Whitewater Brewery
project # 2014-003
Whitewater Brewing
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Hwy 17
Cobden, ON

1" = 10'
Keyplan

A1.01



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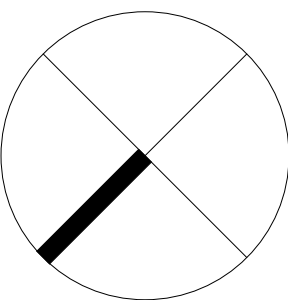
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Whitewater Brewery
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Codben, ON

1" = 10'
Siteplan

A1.02

STRUCTURAL NOTES:

FOOTINGS

*ASSUMED BEARING CAPACITIES:
SLS: 100kPa
ULS: 150kPa

• BEARING CAPACITIES AND SOIL CONDITIONS TO BE VERIFIED AND APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO FOOTING CONSTRUCTION.

*INTERIOR FOOTINGS DO NOT REQUIRE FROST PROTECTION
• TOPS OF SPREAD FOOTINGS AT GRIDS B2 TO F2 MAY BE SET -14" BELOW FINISHED FLOOR.
• PROVIDE PC PIERS IF FOOTINGS FOUNDED -5'-0" BELOW FINISHED FLOOR
• UNDERSIDE OF FOOTINGS AT GRIDLINES B-2 TO F-2 TO BE SET -36" BELOW FINISHED FLOOR.
FOOTINGS ALONG GRIDLINE 3 MAY STEP UP TO -36" BELOW FINISHED FLOOR.
FOOTINGS TO NOT UNDERMINE ADJACENT FOOTINGS.

F1A: 60"x60"x60"x12" C/W 6-15M BEW
F1 = 48" x 48" x 12" C/W 5-15M BEW
F2 = 42" x 42" x 12" C/W 4-15M BEW
F3 = 30" x 30" x 12" C/W 4-15M BEW
F4 = 24" WIDE X 12" DEEP C/W 3-15M BEW
BOTTOM CONTINUOUS
*SET PERIMETER (F4) FOUNDATIONS MIN. 5'-0" BELOW FINISHED GRADE FOR FROST PROTECTION

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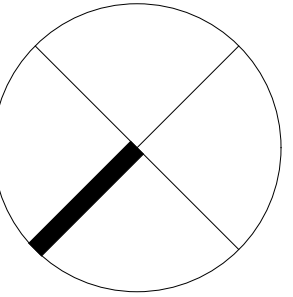
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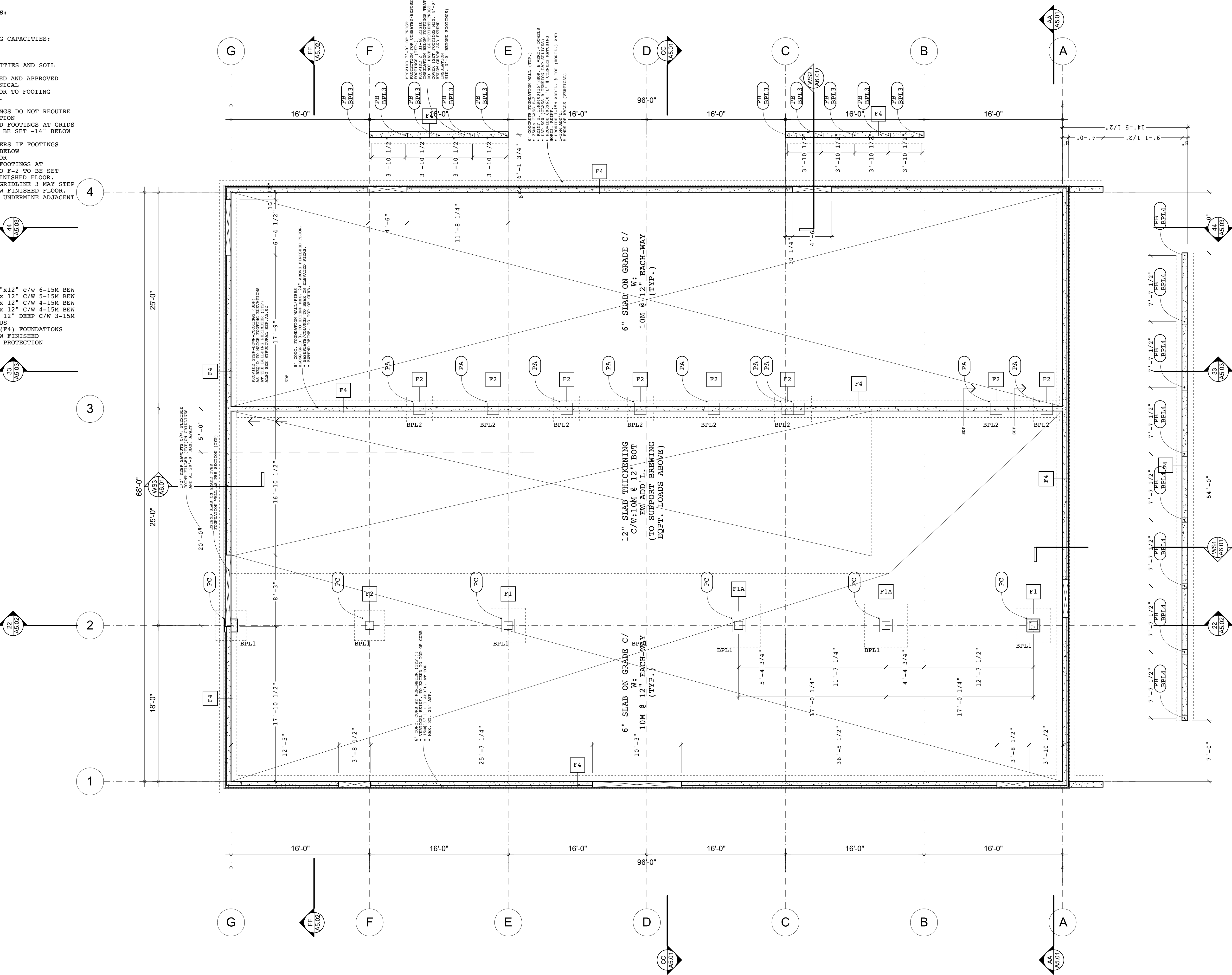
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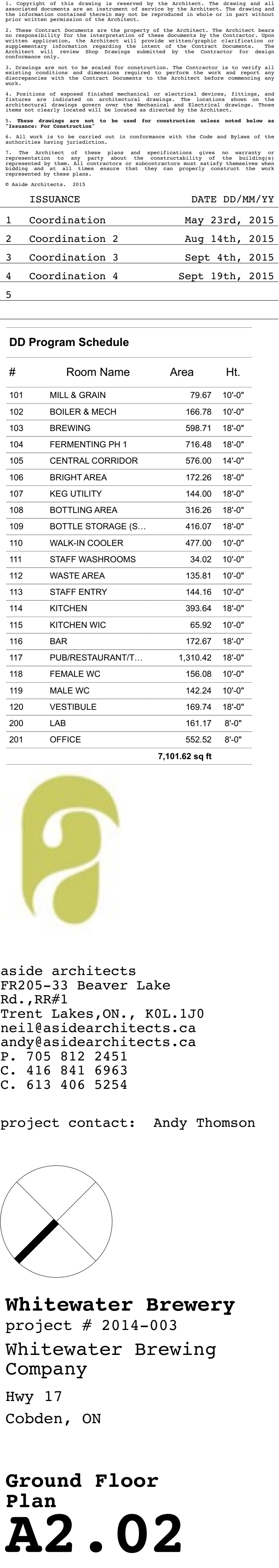
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Whitewater Brewery
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Foundation Plan
A2.01





STRUCTURAL NOTES:

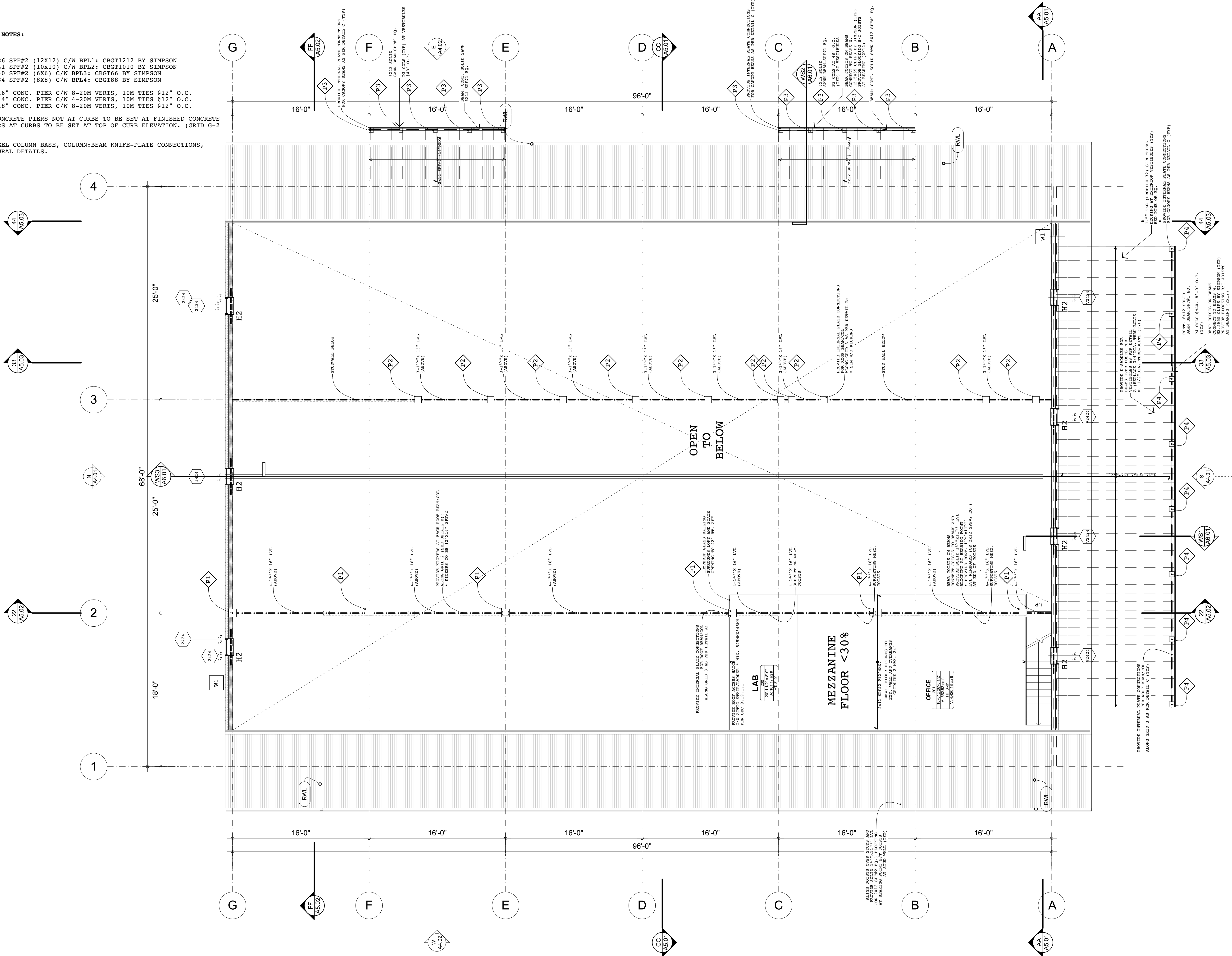
COLUMNS

P1 = 286x286 SPF#2 (12X12) C/W BPL1: CBGT1212 BY SIMPSON
P2 = 241x241 SPF#2 (10X10) C/W BPL2: CBGT1010 BY SIMPSON
P3 = 140x140 SPF#2 (6X6) C/W BPL3: CBGT66 BY SIMPSON
P4 = 184x184 SPF#2 (8X8) C/W BPL4: CBGT88 BY SIMPSON

PA = 16"X 16" CONC. PIER C/W 8-20M VERTS, 10M TIES @12" O.C.
PB = 14"X 14" CONC. PIER C/W 4-20M VERTS, 10M TIES @12" O.C.
PC = 18"X 18" CONC. PIER C/W 8-20M VERTS, 10M TIES @12" O.C.

* TOP OF CONCRETE PIERS NOT AT CURBS TO BE SET AT FINISHED CONCRETE FLOOR. PIERS AT CURBS TO BE SET AT TOP OF CURB ELEVATION. (GRID G-2 EXCLUDED)

FOR ALL STEEL COLUMN BASE, COLUMN:BEAM KNIFE-PLATE CONNECTIONS, SEE STRUCTURAL DETAILS.



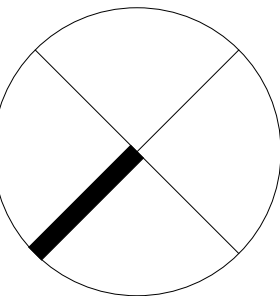
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Whitewater Brewery
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Cobden, ON

**Second Floor
Plan
A2.03**

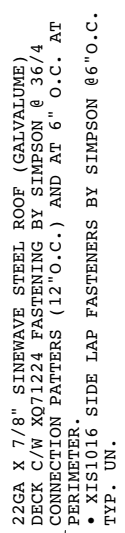
TRUSSES

PRE-ENGINEERED TRUSS MANUFACTURER TO PROVIDE/DETAIL CLIPS(H) BY
SIMPSON AT EACH TRUSS BEARING POINT ON WOOD BEAMS/WALLS(TYP)

TOP CHORD: DL: 25

MESSAGING LOGS

LL: 50PSF (2.4kPa)



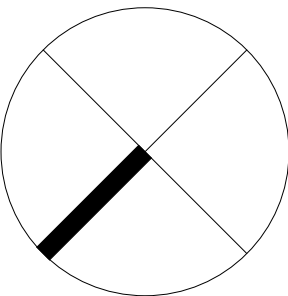
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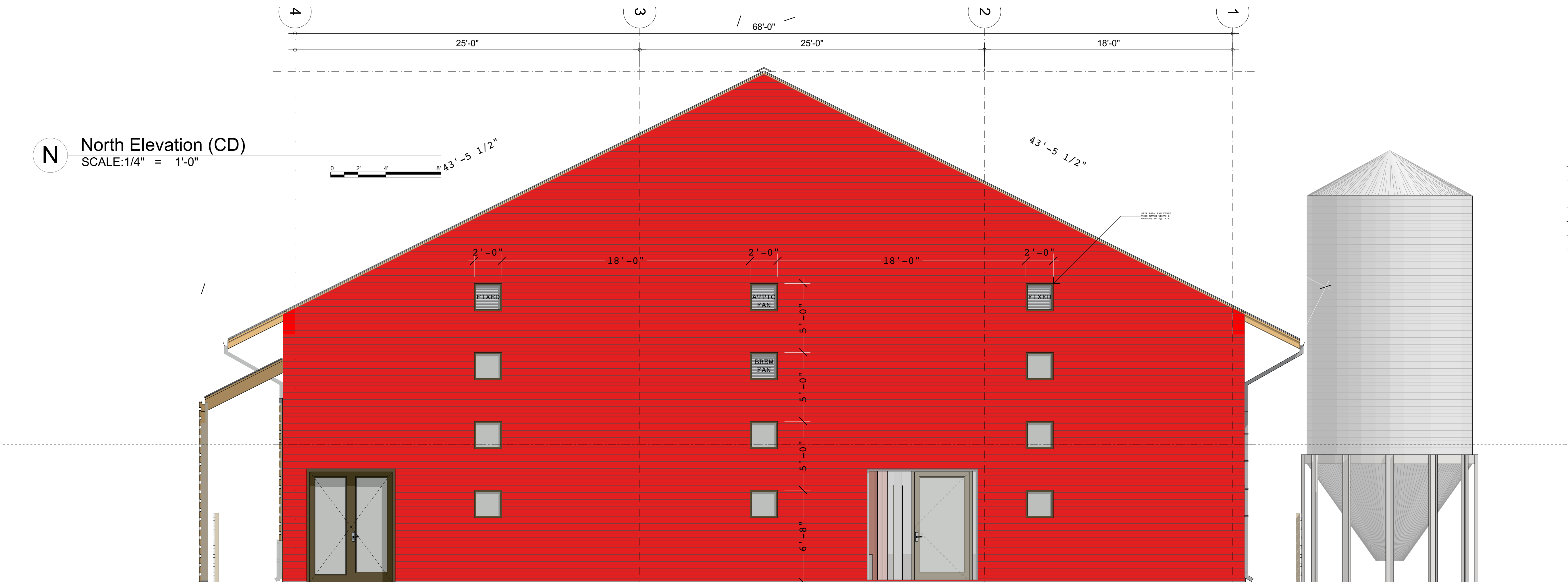
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Roof Plan

A2.04



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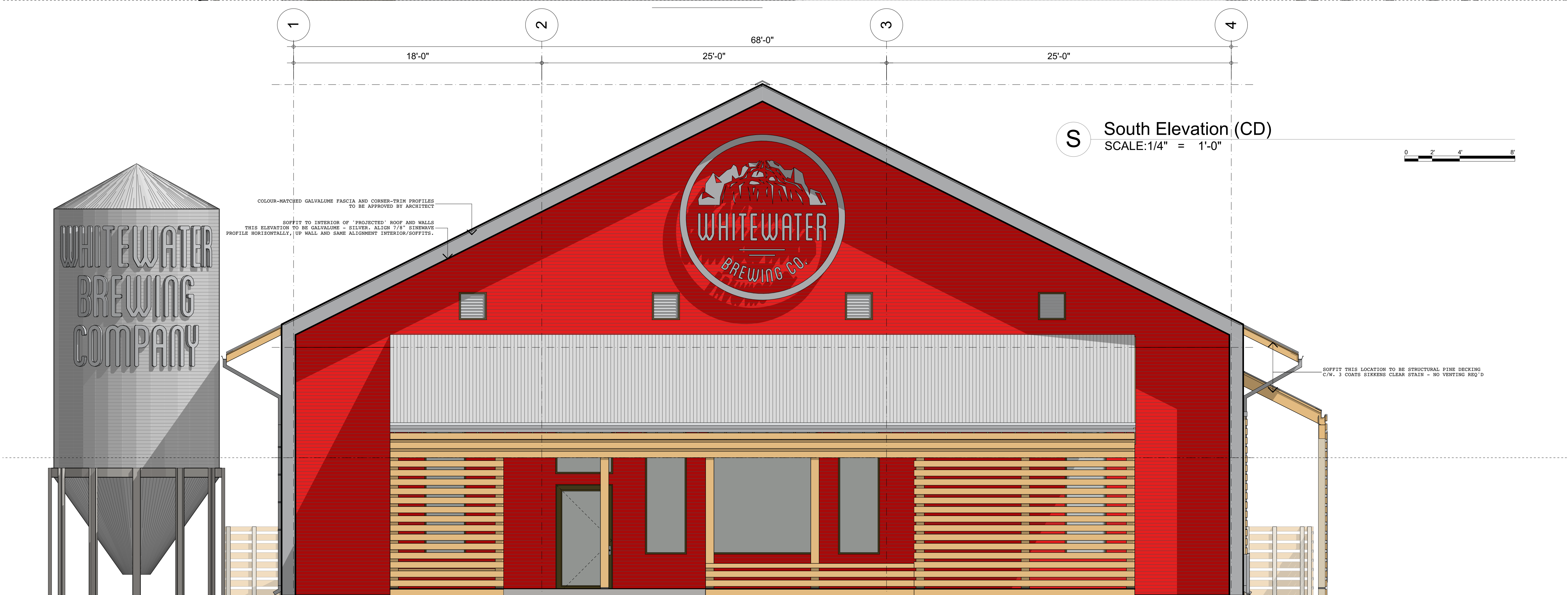
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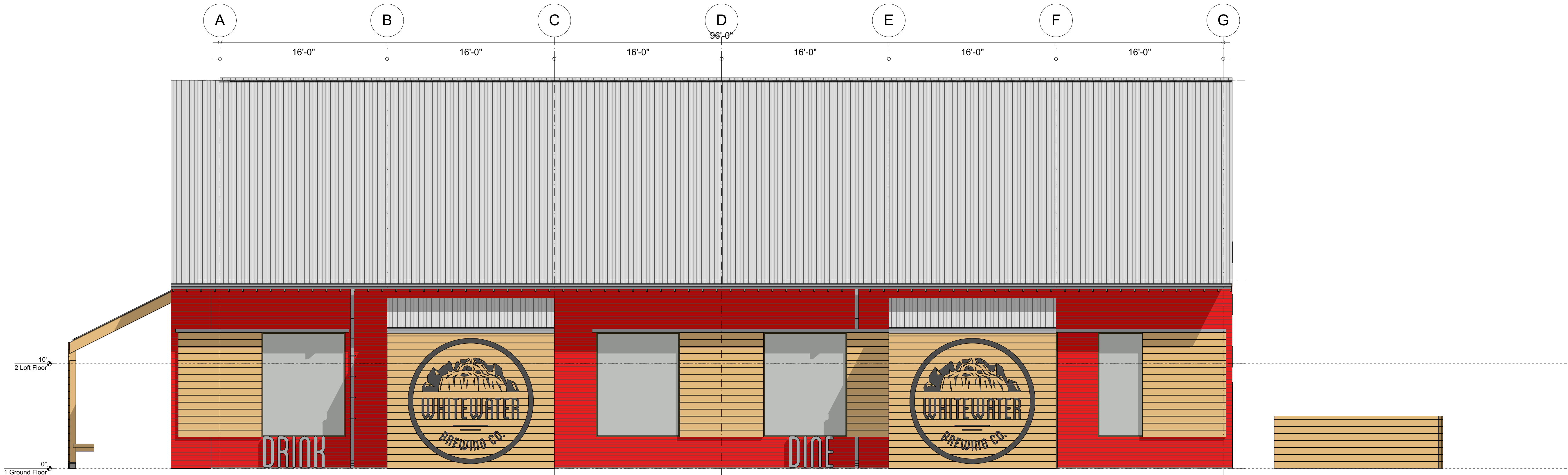


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Whitewater Brewery
project # 2014-003
Whitewater Brewing
Company
Hwy 17
Codben, ON

North & South
Elevations
A4.01



E East Elevation (CD)
SCALE:3/16" = 1'-0"



W West Elevation (CD)
SCALE:3/16" = 1'-0"



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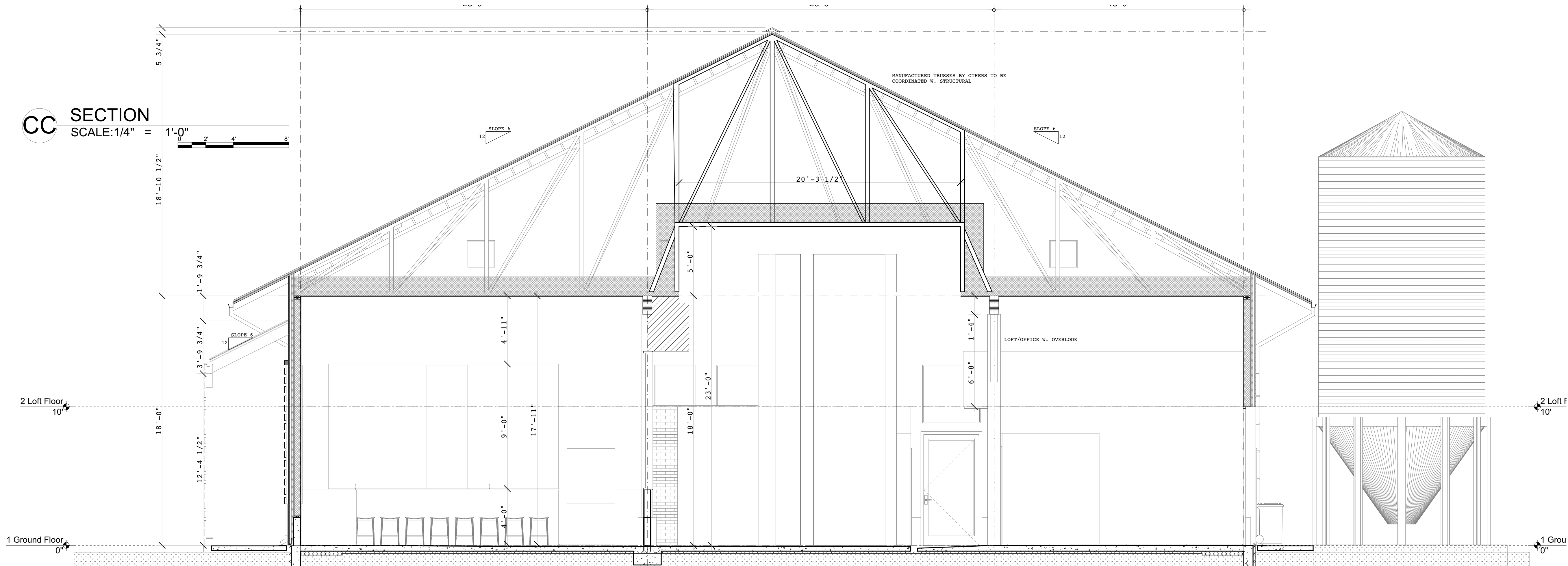
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Whitewater Brewery
project # 2014-003
Whitewater Brewing
Company
Hwy 17
Cobden, ON

**East & West
Elevations
A4.02**

CC

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



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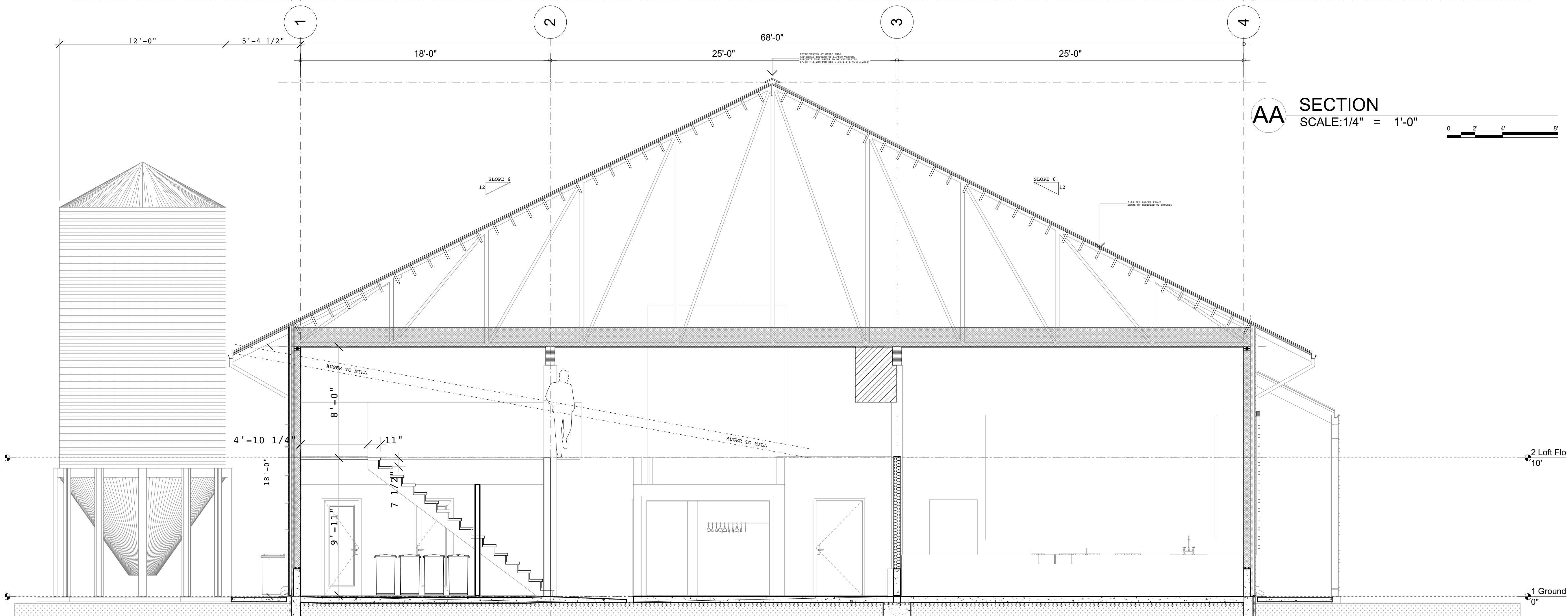
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AA

SECTION

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



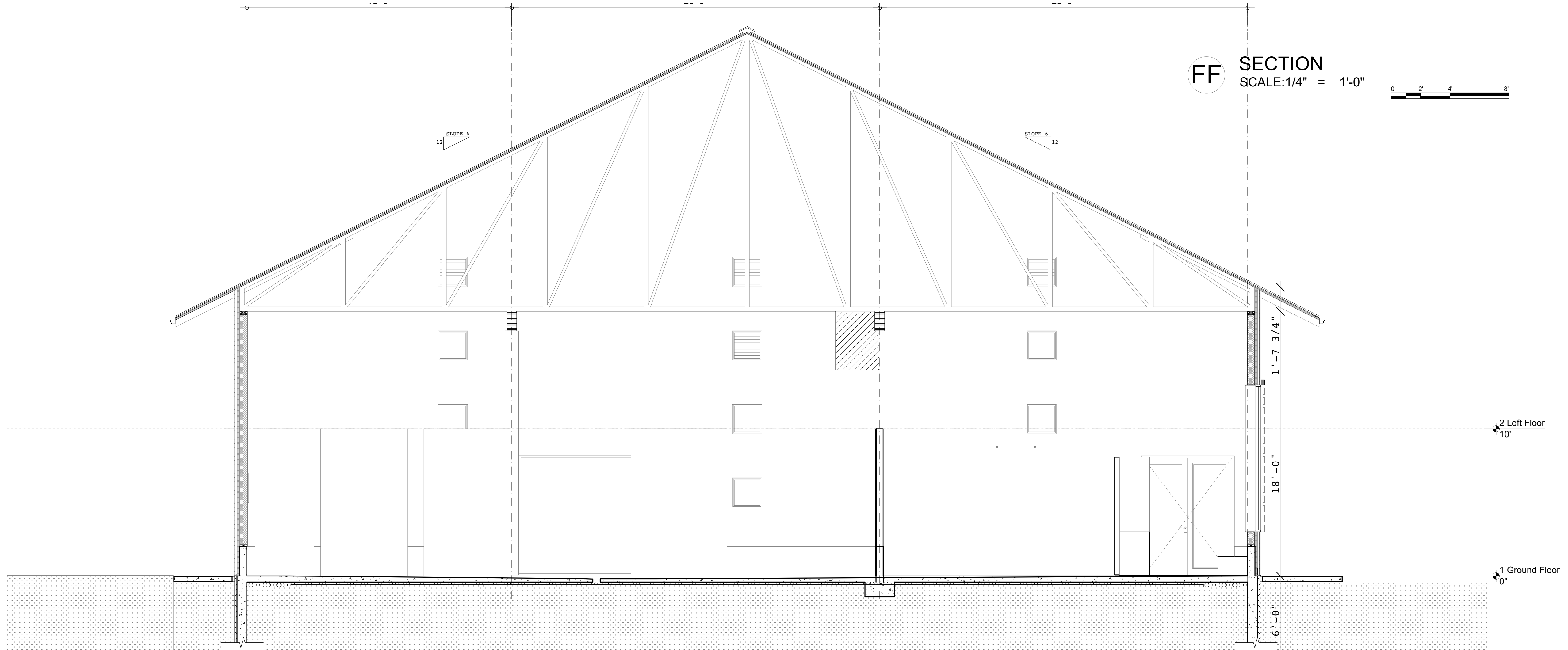
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project contact: Andy Thomson

Whitewater Brewery
project # 2014-003
**Whitewater Brewing
Company**
Hwy 17
Cobden, ON

**Building
Sections 1/3**

A5.01



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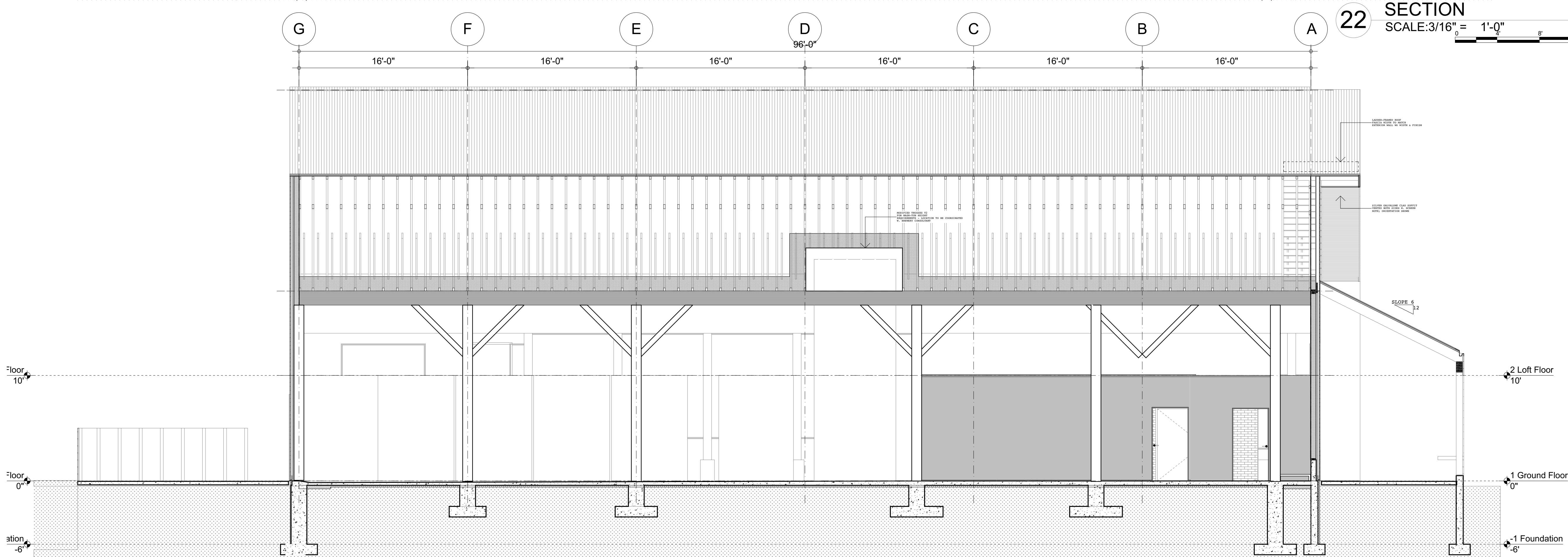
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3 Coordination 3	Sept 4th, 2015
4 Coordination 4	Sept 19th, 2015
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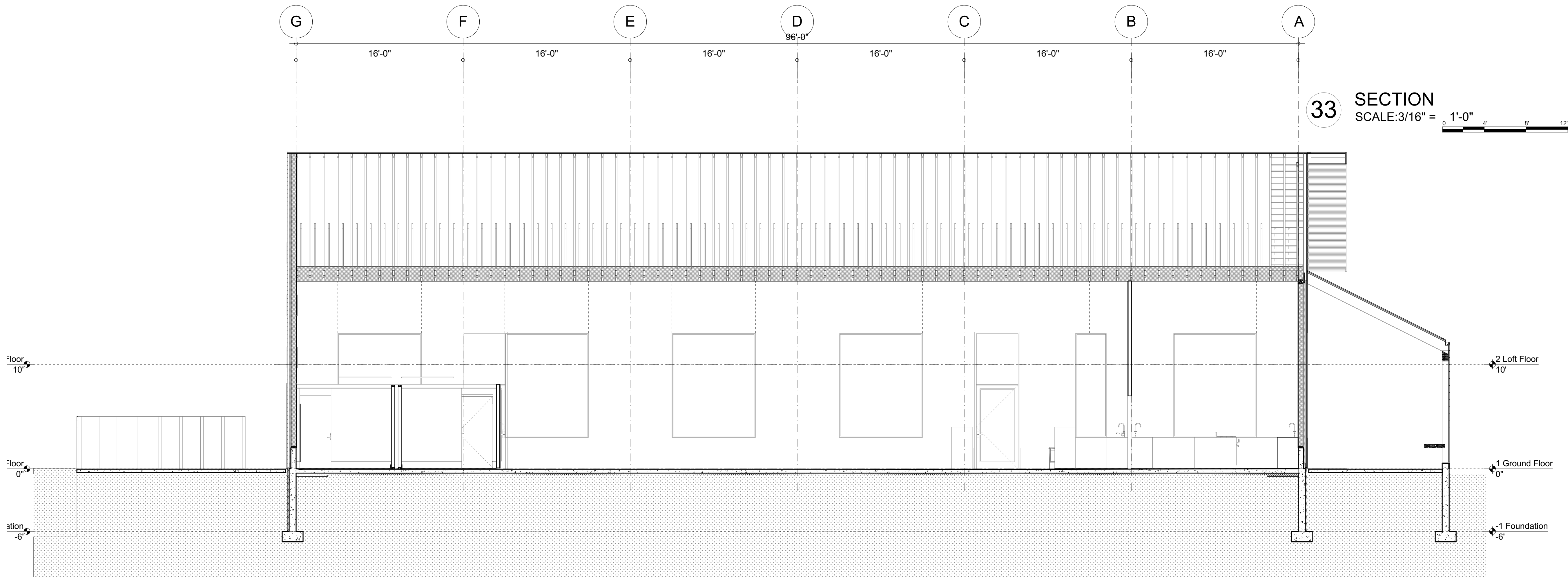


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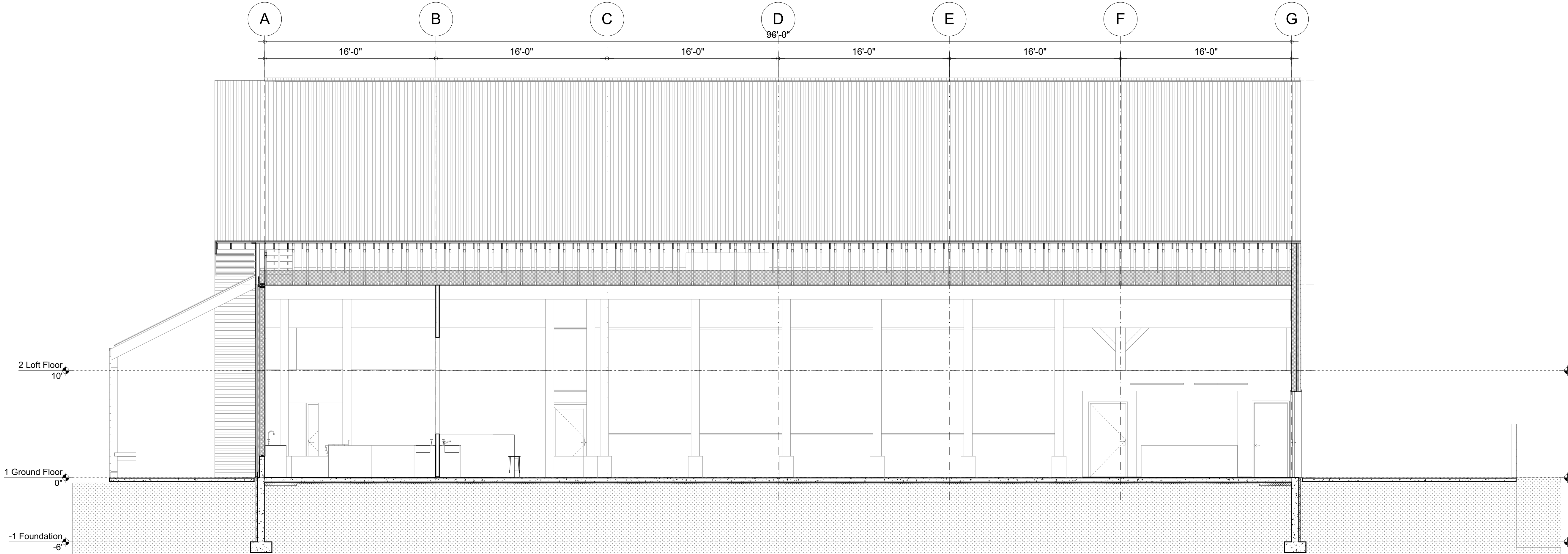
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Whitewater Brewery
project # 2014-003
Whitewater Brewing
Company
Hwy 17
Cobden, ON

**Building
Sections 2/3
A5.02**



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



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

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**Building
Sections 3/3
A5.03**

[illegible]

WS1 Wall Section
SCALE: 1/2" = 1'-0"

STRUCTURAL DETAIL "C"

WOOD COLUMN/BEAM (SEE PLAN)

NOTE: BOLTS A307

3/8" INTERNAL PLATE CONNECTION C/W (4) 1/2" DIA. GALV. THRU-BOLTS W/ NUTS AND WASHERS FOR EA. BEAM/COL. (8 TOTAL)

2X10 LADDER FRAME OUTRIGGERS TO BEAR ON T3 MODIFIED TRUSSES

4'-0 1/2" 3'-0 1/2" 4'-2 1/2"

FIXED 24" X 24" LOUVERED ATTIC VENT

2x10 DP SELECT JOISTS FASTENED W. GALV. HANGARS TO PT 2x12 SPF LEDGER W/ FLASHING DETAIL TBD PROVIDE THERMAL BREAK 5' TEN 8/7 RAFTERS TO TOP OF ATTIC INSULATION

1.5" STRUCTURAL DECKING AS EXPOSED SOFFIT FINISH

18GA CUSTOM GUTTER SEE DETAIL KXXX

SANCU REVEAL IN JOIST END TO SUPPORT INTEGRAL GUTTER

4X4 STRUCTURAL DP POSTS @ 24" O.C. TO SUPPORT ROOF BEAM ABOVE AND FIXED 2X6 CEDAR LOUVERED SCREENS SEE SOUTH ELEVATION

6" STRUCTURAL UPSTAND OF FOUNDATION WALL TO PERMIT LET-IN OF 2" RIGID SW INSULATION TO EXTERIOR SIDE. STRAP TO MAKE EXTERIOR CLADDING FINISH FLUSH WITH ADJACENT CONDITIONS

EXTERIOR APRON-SLAB SLOPED AWAY FROM BLDG. ALL ELEVATIONS AT >2%

10'-0" Loft F

0" Ground

WS3

Wall Section

SCALE: 1/2" = 1'-0"

G

GABLE WALL FLUSH TO ROOF →

GABLE WALL UNINSULATED →

ARGON 600CFM ATTIC/BARN FAN
TIMER TO DUMP SUMMER HEAT
NIGHT-TIME "FREE COOLING"
REQ'D) - SAME ELEVATION
AS FIXED VENTS
WITH ELEVATION FOR LOCATIONS

ARGON 600CFM ATTIC/BARN FAN
TIMER TO DUMP SUMMER HEAT
INSIDE BREWERY
(ONLY SINGLE SPEED REQ'D)
INTERWIRED W. FAN ABOVE ON
CRANK TIMER

TYP. FIBREGLASS FRAME
FIXED 3X GLAZING W.
ARGON, NON-CONDUCT EDGES

TYP. FIBREGLASS FRAME
FIXED 3X GLAZING W.
ARGON, NON-CONDUCT EDGES

Dimensions:
15'-0"
3'-0"
2'-0"
3'-0"
2'-0"
3'-0"
2'-0"
3'-0"
2'-0"
4'-8"
6'-8"
2'-0"
6"
8"

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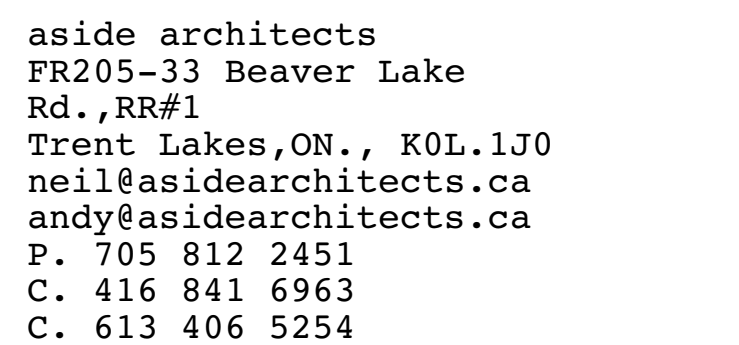
Wall Sections

1/2

A6.01



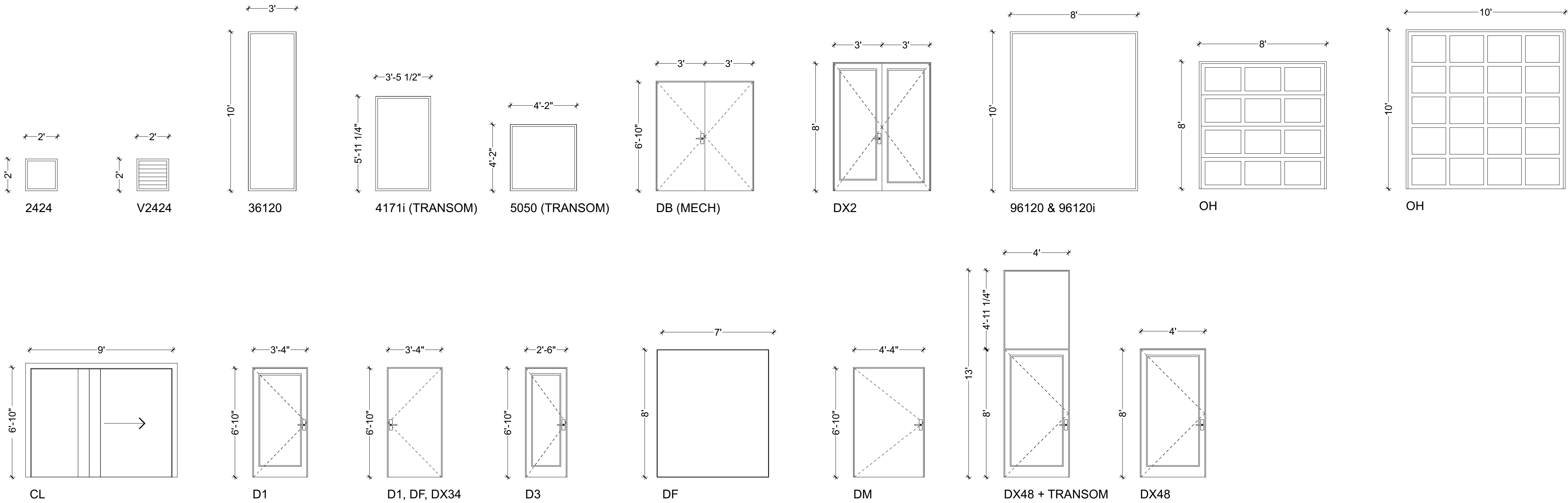
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Structural Details

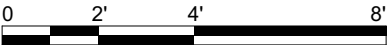
A6.02



WBC

DOOR-WINDOW LEGEND

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



WBC 2015 WINDOW SCHEDULE			
ID	Quantity	Height	Width
2424	14	2'	2'
4171i	1	5'-11 1/4"	3'-5 1/2"
5050	1	4'-2"	4'-2"
36120	5	10'	3'
96120	6	10'	8'
96120i	5	10'	8'
V2424	8	2'	2'

WBC 2015 DOOR AND FRAME SCHEDULE										
MARK	FROM ROOM	TO ROOM	Leaf Dimensions	TYPE	MAT'L	FINISH	FRAME	FIRE	HDWE	COMMENTS
CL		STAFF ENTRY	8'-9 5/8"x6'-9 1/2"	MIR	ALU	ANO	HMF	NR		MIRRORED CLOSET SLIDER
D1		BREWING	3'-4"x6'-10"	SCW-GP	MAPLE	VAR	HMF	NR		SOLID CORE WOOD GLASS PANEL (INTERIOR)
D1		FEMALE WC	3'-4"x6'-10"	SCWV	MAPLE	VAR	HMF	NR		SOLID CORE WOOD VENEER
D1		WASTE AREA	3'-4"x6'-10"	SCWV	MAPLE	VAR	HMF	NR		SOLID CORE WOOD VENEER
D1	MALE WC		3'-4"x6'-10"	SCWV	MAPLE	VAR	HMF	NR		SOLID CORE WOOD VENEER
D3			2'-6"x6'-10"	SCWV	MAPLE	VAR	HMF	NR		SOLID CORE WOOD VENEER
D3			2'-6"x6'-10"	SCWV	MAPLE	VAR	HMF	NR		SOLID CORE WOOD VENEER
DB		BOILER & MECH	3'x6'-10"	SCWV	MAPLE	VAR	HMF	NR		SOLID CORE WOOD VENEER
DF		KITCHEN WIC	3'-4"x6'-10"	ICM	MTL	PT	IMF	NR		INSULATED CORE PAINTED METAL
DF		WALK-IN COOLER	3'-4"x6'-10"	ICM	MTL	PT	IMF	NR		INSULATED CORE PAINTED METAL
DF		WALK-IN COOLER	6'-8 1/16"x7'-10 1/16"	ICM	MTL	PT	IMF	NR		INS. CORE PM - SURFACE GASKETED SLIDER
DM		MILL & GRAIN	4'-4"x6'-10"	HCM	MTL	PT	HMF	NR		CHECK WIDTH FOR EQPT SERVICING
DX2			3'x8'	SCW-GP	MAPLE	VAR	HMF	NR		SOLID CORE W. THERMAL (3x) GLASS INSERT
DX34		KEG UTILITY	3'-4"x6'-10"	ICM	MTL	PT	IMF	NR		INSULATED CORE PAINTED METAL
DX40		WASTE AREA	3'-4"x6'-10"	ICM	MTL	PT	IMF	NR		INSULATED CORE PAINTED METAL
DX48			4'x8'	SCW-GP	MAPLE	VAR	IMF	NR		SOLID CORE W. THERMAL (3x) GLASS INSERT
DX48			4'x8'	SCW-GP	MAPLE	VAR	IMF	NR		SOLID CORE W. THERMAL (3x) GLASS INSERT
DX48	CENTRAL CORRIDOR		4'x8'	SCW-GP	MAPLE	VAR	IMF	NR		SOLID CORE W. THERMAL (3x) GLASS INSERT
OH		BOTTLE STORAGE (S&R)	---	---	---	---	---	---	---	
OH		CENTRAL CORRIDOR	---	---	---	---	---	---	---	

WINDOW & DOOR SCHEDULE NOTES:

i SUFFIX DENOTES INTERIOR, SINGLE GLAZED
v PREFIX DENOTES LOUVRED GALVANIZED, SCREENED VENT
CL DENOTES CLOSET SLIDING DOOR
DX DENOTES EXTERIOR DOOR, TRIPLE GLAZED
DF DENOTES WALK-IN-COOLER INSULATED PAINTED METAL DOOR C/W. THERMALLY BROKEN FRAME
OH DENOTES OVERHEAD ANODIZED THERMAL GARAGE DOOR * STYLE TBD BY OWNER
HMF = HOLLOW METAL FRAME
IMF = INSULATED METAL FRAME C/W THERMAL BREAK
SCWV = SOLID CORE WOOD C/W VENEER
SCWG = SOLID CORE WOOD C/W VENEER & LAMINATED GLAZED INSERT - JAMBS TYP. 150MM ALL SIDES, BOTTOM 250MM
ICM = INSULATED METAL CORE C/W THERMAL BREAK ON DOORSKIN
HCM = HOLLOW METAL CORE
MTL = METAL/STEEL DOOR
ANO = ANODIZED ALUMINUM
NR = NOT RATED

ALL WINDOWS AND GLAZED EXTERIOR DOORS (EXCEPT OVERHEAD DOORS WHICH MAY BE DOUBLE-GLAZED TO REDUCE WEIGHT) TO BE TRIPLE-GLAZED, LOW-E, C/W INSULATED & THERMALLY-BROKEN FRAMES AND GLAZING SPACERS (WARM-EDGE).
TO MEET OBC FOR PEMBROKE, ZONE 4 PER SBC10

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Cobden, ON

Window & Schedules
A8.01



2 From P-Lot
SCALE: 1/4" = 1' - 0"



4 From Rear Alley
SCALE: 1/4" = 1' - 0"

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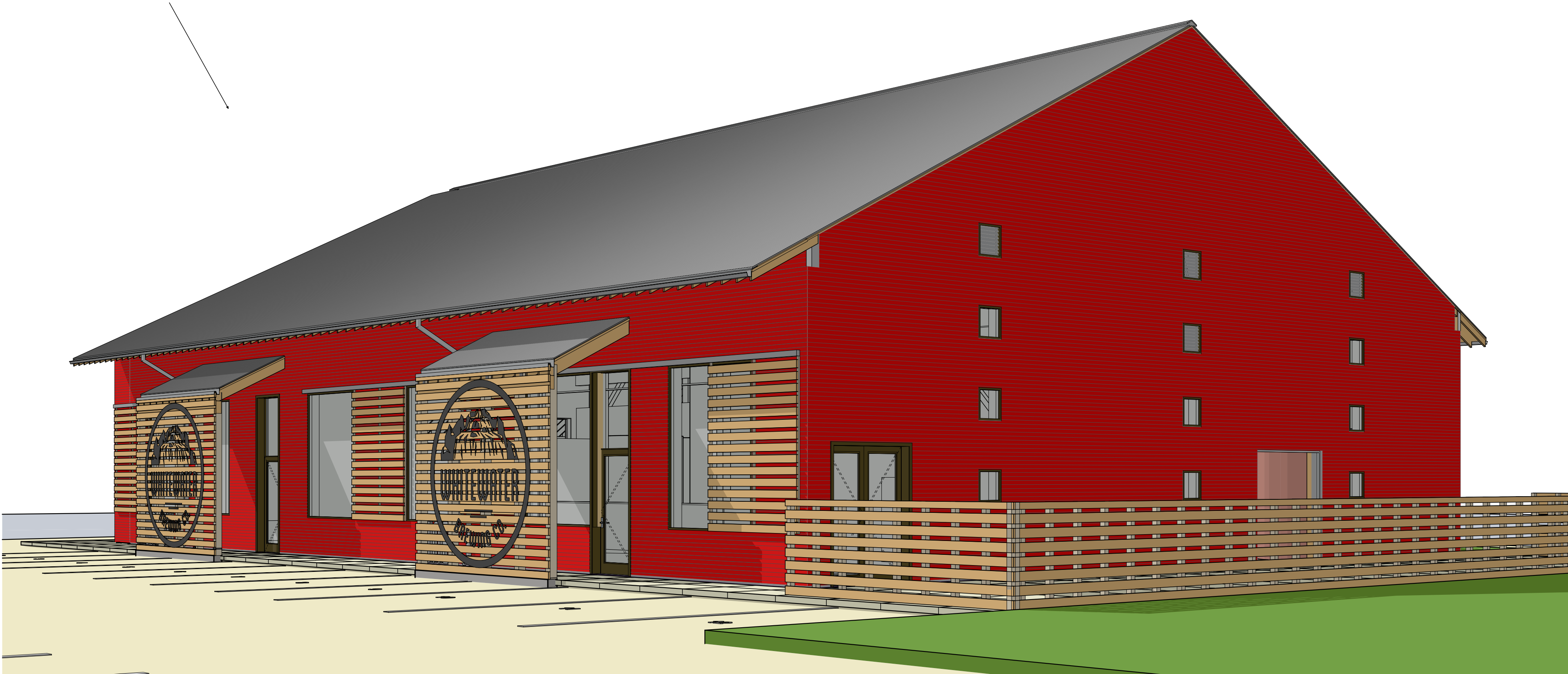
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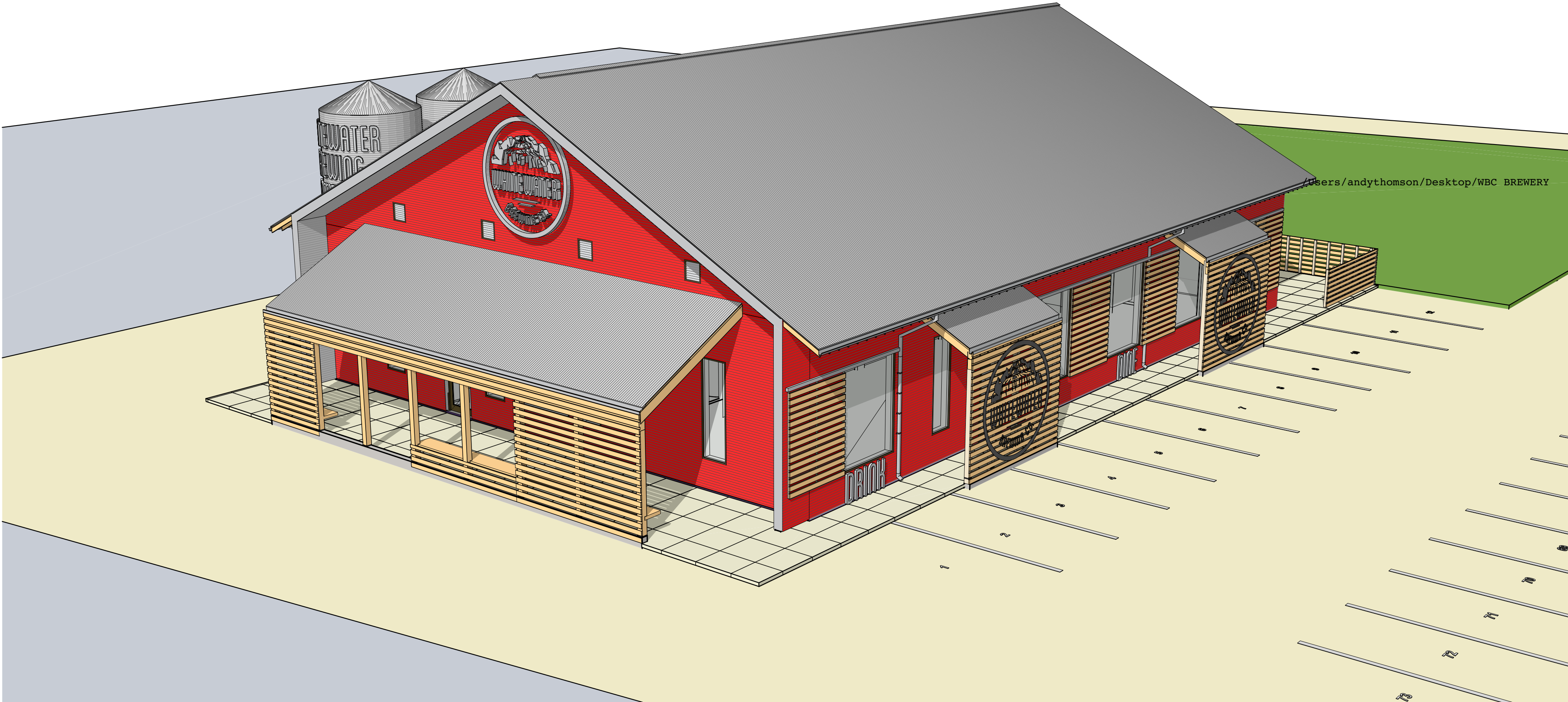
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Cobden, ON

3D Sketches 1/2

A9.01



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



3 HWY Corner Aerial
SCALE:1/4" = 1'-0"

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3D Sketches 1/2

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