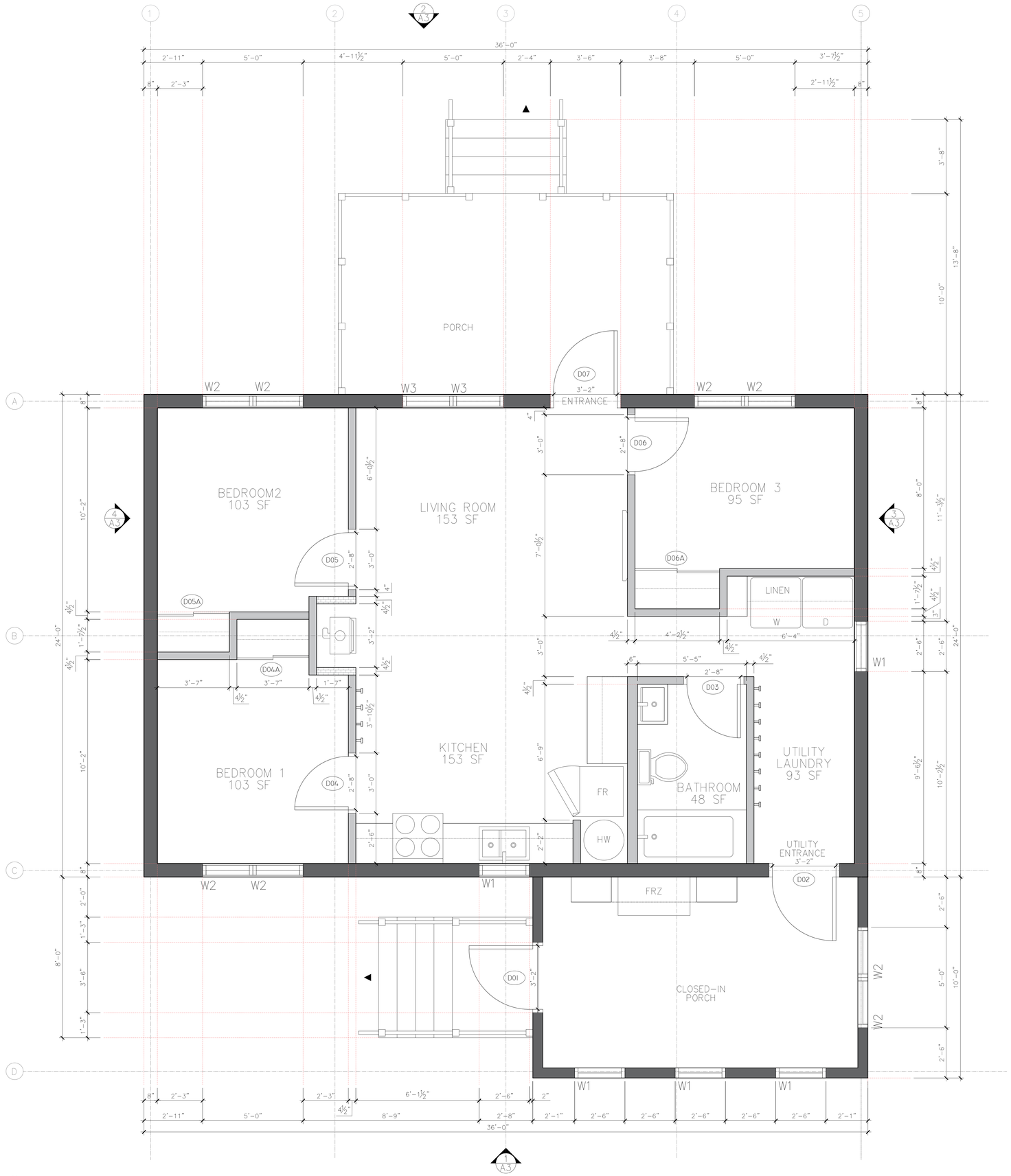


1 S-1 PARTITION PLAN
SCALE: 1/2" = 1'-0"

PROJECT TITLE:

STANDING TREE TO
STANDING HOME

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

BOREAL BUILDERS

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

REVISIONS:

PG.	DATE	DESCRIPTION

NOTES:

DRAWING TITLE:
PARTITION PLAN

DRAWN BY: C. SALLESE

CHECKED BY: G.C

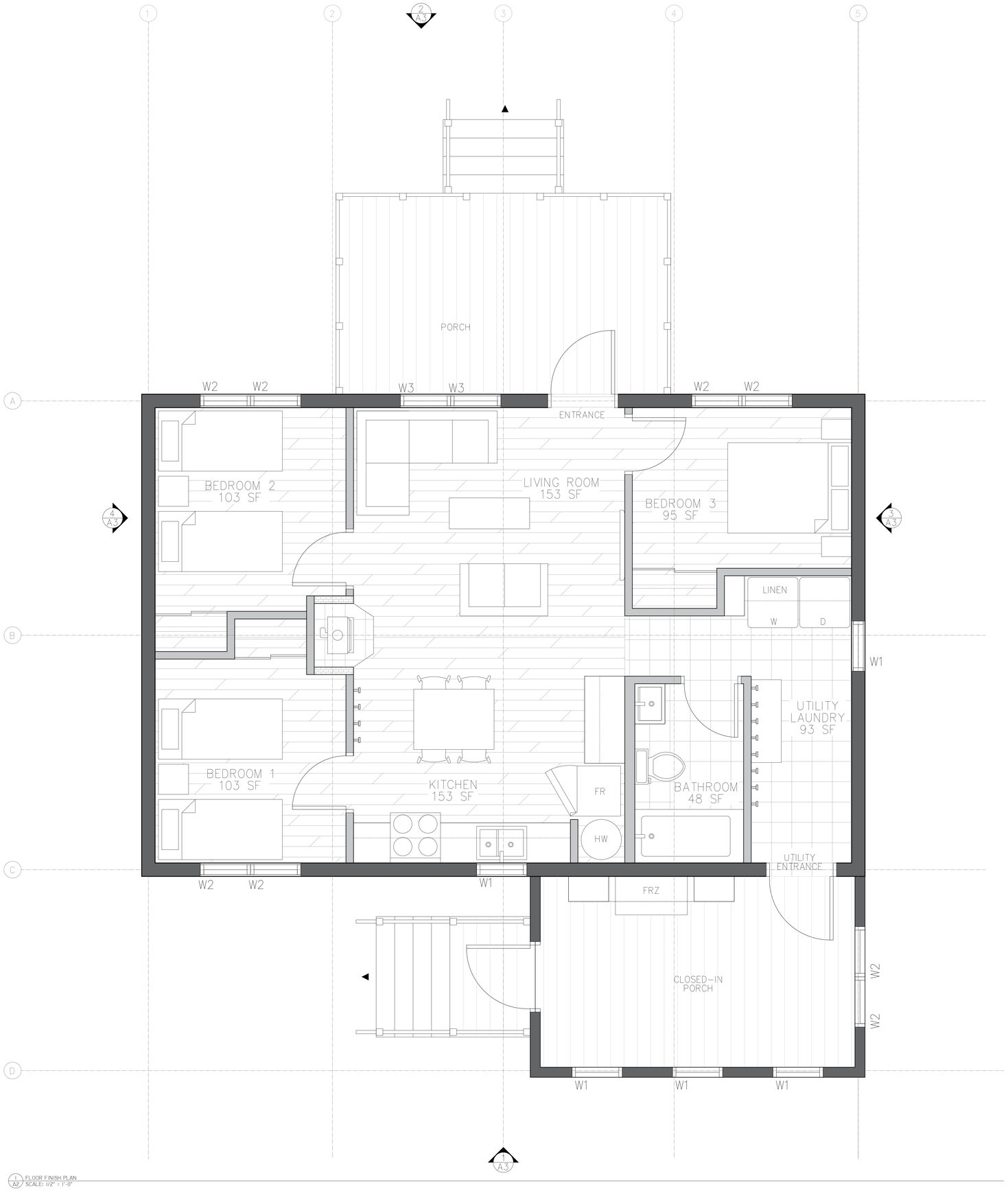
DATE: 29/09/2019

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

N
NORTH ARROW

A - 1
SHEET 1 OUT OF 9

PRODUCED BY AN AUTODESK STUDENT VERSION



1 FLOOR FINISH PLAN
A2 SCALE: 1/2" = 1'-0"

5'-0" 10'-0" 15'-0"

PROJECT TITLE:

STANDING TREE TO
STANDING HOME

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

BOREAL BUILDERS

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

REVISIONS:

PG.	DATE	DESCRIPTION

NOTES:

DRAWING TITLE:
FLOOR FINISH PLAN

DRAWN BY: C. SALLESE

CHECKED BY:

DATE: 29/09/2019

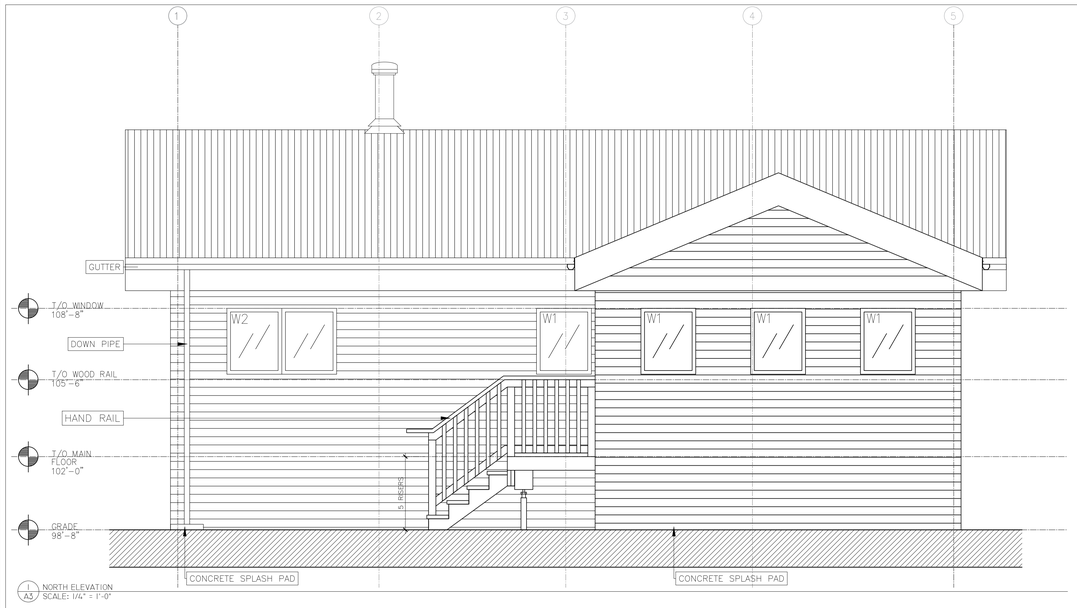
SCALE: 1/2" = 1'-0"

N
NORTH ARROW

A - 2
SHEET 2 OUT OF 9

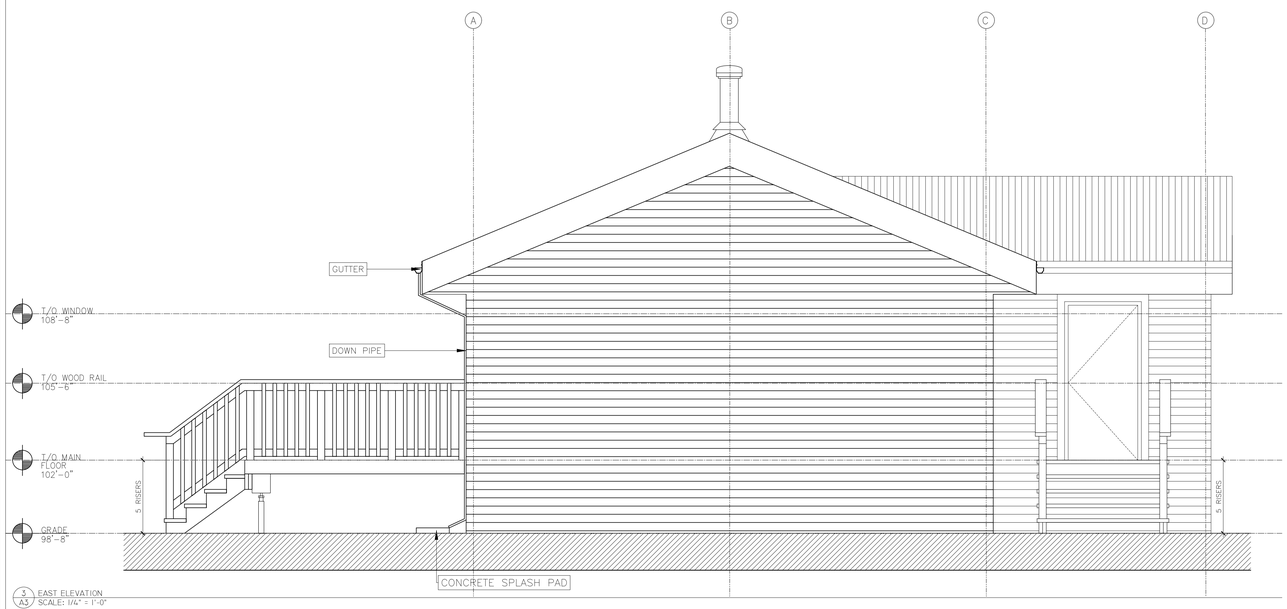
PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION

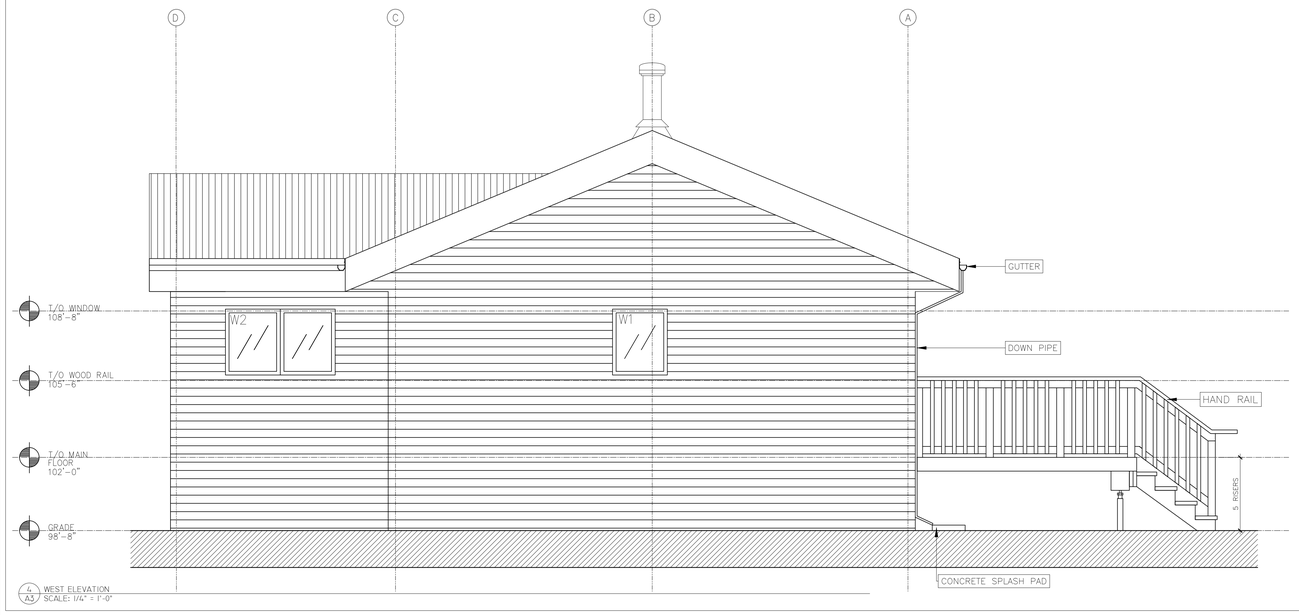


1 / A3 NORTH ELEVATION
SCALE: 1/4" = 1'-0"

2 / A3 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



3 / A3 EAST ELEVATION
SCALE: 1/4" = 1'-0"



4 / A3 WEST ELEVATION
SCALE: 1/4" = 1'-0"

PROJECT TITLE:

STANDING TREE TO
STANDING HOME

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

BOREAL BUILDERS

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

REVISIONS:

PG.	DATE	DESCRIPTION

NOTES:

DRAWING TITLE:
EXTERIOR ELEVATIONS

DRAWN BY: C. SALLESE

CHECKED BY:

DATE: 29/09/2019

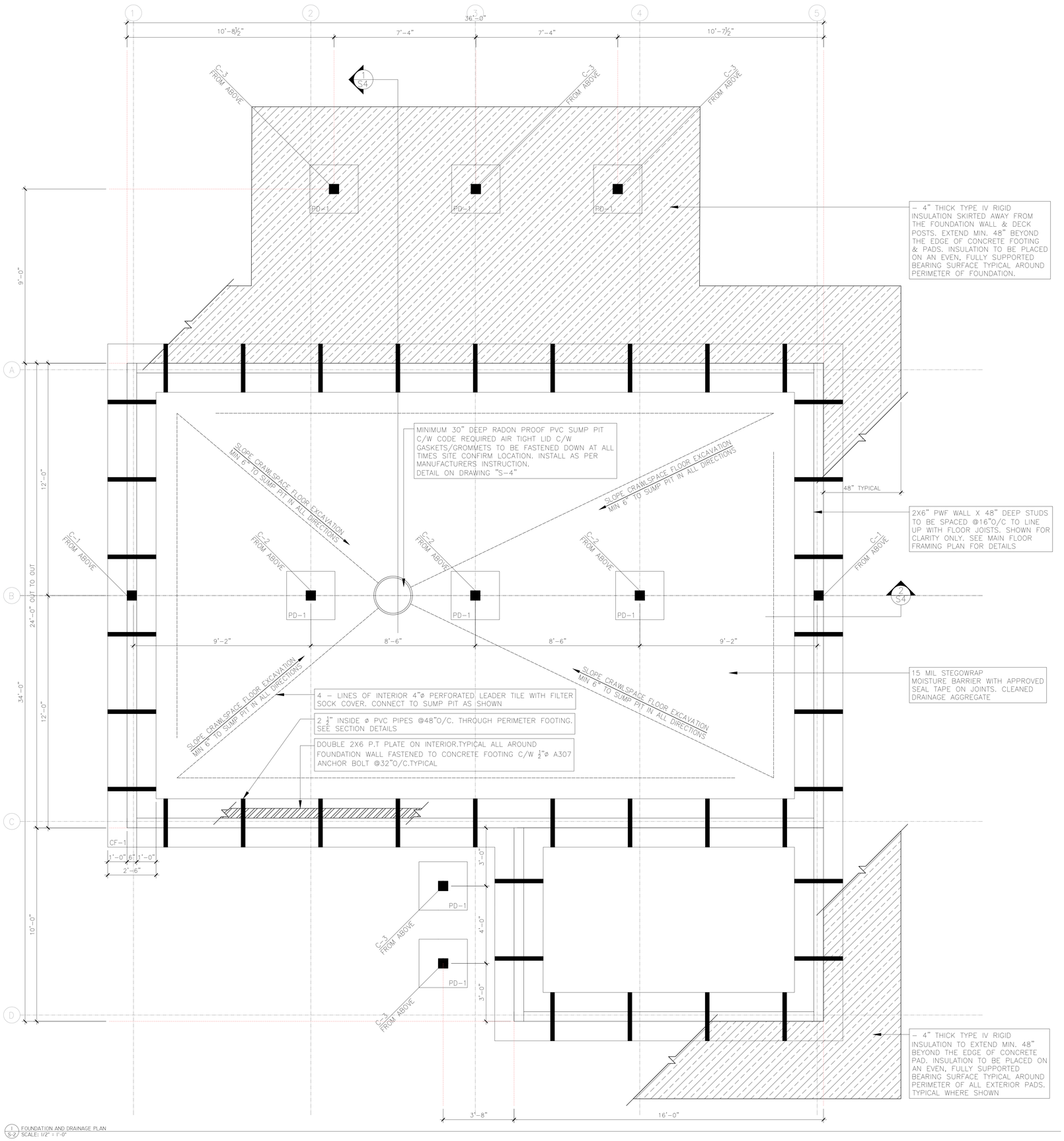
SCALE: 1/2" = 1'-0"

N
NORTH ARROW

A - 3
SHEET 3 OUT OF 9

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION



1/S-2 FOUNDATION AND DRAINAGE PLAN
SCALE: 1/2" = 1'-0"

PROJECT TITLE:

STANDING TREE TO STANDING HOME

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

BOREAL BUILDERS

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

REVISIONS:

PG.	DATE	DESCRIPTION

NOTES:

CONCRETE FOOTING SCHEDULE

MARK	DETAILS
CF - 1	30" WIDE X 10" DEEP CONTINUOUS CONCRETE STRIP FOOTING C/W 2-15M HORIZ. BARS, BOTTOM

CONCRETE PAD SCHEDULE

MARK	DETAILS
PD - 1	30" x 30" x 10" CONCRETE PAD C/W 3-15M BARS B/W, BOTTOM

NOTE: ALL CONCRETE PADS TO BEAR AT SAME ELEVATION. AS CONCRETE FOOTING

COLUMN SCHEDULE

MARK	DETAILS
C - 1	4-PLY 2X6" PWF BUILT-UP COLUMN
C - 2	STANDARD ADJUSTABLE "SHORTY" TELEPOST. C/W 6"X6" TOP BEARING PLATE
C - 3	6X6" PWF POST WIT GALV. METAL CONNECTION BOTH ENDS

GENERAL NOTES

FLOOR DESIGN LOADING:

LIVE LOAD = 40 PSF
DEAD LOAD = 20 PSF
ALL FLOOR JOISTS TO COMPLY WITH VIBRATION CRITERIA OF MOST RECENT N.B.C.

THE FOUNDATION DESIGN ASSUMES LIMIT STATES BEARING PRESSURES OF 2000 PSF FOR PADS AND 1500 PSF FOR STRIP FOOTINGS BEARING ON UNDISTURBED CLAY MATERIAL RESPECTIVELY. THESE ULTIMATE BEARING PRESSURES UTILIZE A 0.6 RESISTANCE FACTOR. FOR SERVICEABILITY LIMIT STATES DESIGN BEARING PRESSURES OF 1500 PSF FOR STRIP FOOTINGS AND 2000 PSF FOR PIERS ON PADS HAVE BEEN ASSUMED WITH TOLERABLE SOIL SIFTING CHARACTERISTICS. THE OWNER/CONTRACTOR IS RESPONSIBLE TO OBTAIN A SOIL INVESTIGATION REPORT TO VERIFY THESE ASSUMPTIONS AND TO ASSESS WHETHER INTOLERABLE SOIL SWELLING/CONTRACTION WILL BE PREVALENT AT THE BUILDING LOCATION. KNH SAWATZKY & ASSOCIATES ACCEPTS NO LIABILITY FOR THE DESIGN ASSUMPTIONS. FOR A NEW FOUNDATION REDESIGN RESULTING FROM CONTRARY SOIL CONDITIONS, CONTACT ENGINEER.

NOTES

1. COVER COMPLETE FOUNDATION AREA WITH 6" GRANULAR DRAINAGE MATERIAL COVERED WITH 15 MIL STEGO WRAP AND TAPE. ALL SLOPED 6" MIN TO SUMP PIT. SEE GENERAL NOTES FOR DRAINAGE BASE AGGREGATE.
2. CONFIRM ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS AS WELL AS ON SITE PRIOR TO FABRICATED FLOOR JOISTS.
3. ALL PWF FOUNDATION WALL STUDS TO BE 16" O/C TO LINE UP WITH EACH FLOOR JOIST @ 16" O/C
4. SUMP PIT TO BE INSTALLED COMPLETE WIT ELECTRIC PUMP AND CONVENIENT ELECTRICAL OUTLINE BELOW FLOOR FRAMING TO CODE
5. PERFORATE SUMP PIT THROUGHOUT DEPTH OF DRAINAGE AGGREGATE LAYER ONLY WITH 1/4"Ø HOLES @ 2" O/C GRID SPACING, DO NOT DRILL HOLES BELOW DRAINAGE LAYER
6. BACKFILL SUMP PIT WITH CLAY MATERIAL ONLY BELOW THE 6" THICK CRAWLSPACE GRANULAR DRAINAGE LAYER
7. PWF PLYWOOD SHALL BE 5/8" MIN. THICKNESS INSTALLED WITH FACE GRAIN HORIZONTAL UNLESS NOTED OTHERWISE AND CONFORM TO CSA STANDARD 0121, 0322, 080.15 & 151 LATEST EDITIONS. ALL PLYWOOD JOINTS SHALL BE COMPLETELY SEALED WITH BUTYL SEALANT MEETING THE CGSB STANDARD 19-GP-14M.
8. ALL NAILS INTO PWF FOUNDATION MATERIAL SHALL BE HOT-DIPPED GALVANIZED OR STAINLESS STEEL ONLY.

DRAWING TITLE:
FOUNDTION AND DRAINAGE PLAN

DRAWN BY: C. SALLESE

CHECKED BY: G.C

DATE: 29/09/2019

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

N
NORTH ARROW

S - 1
SHEET 4 OUT OF 9

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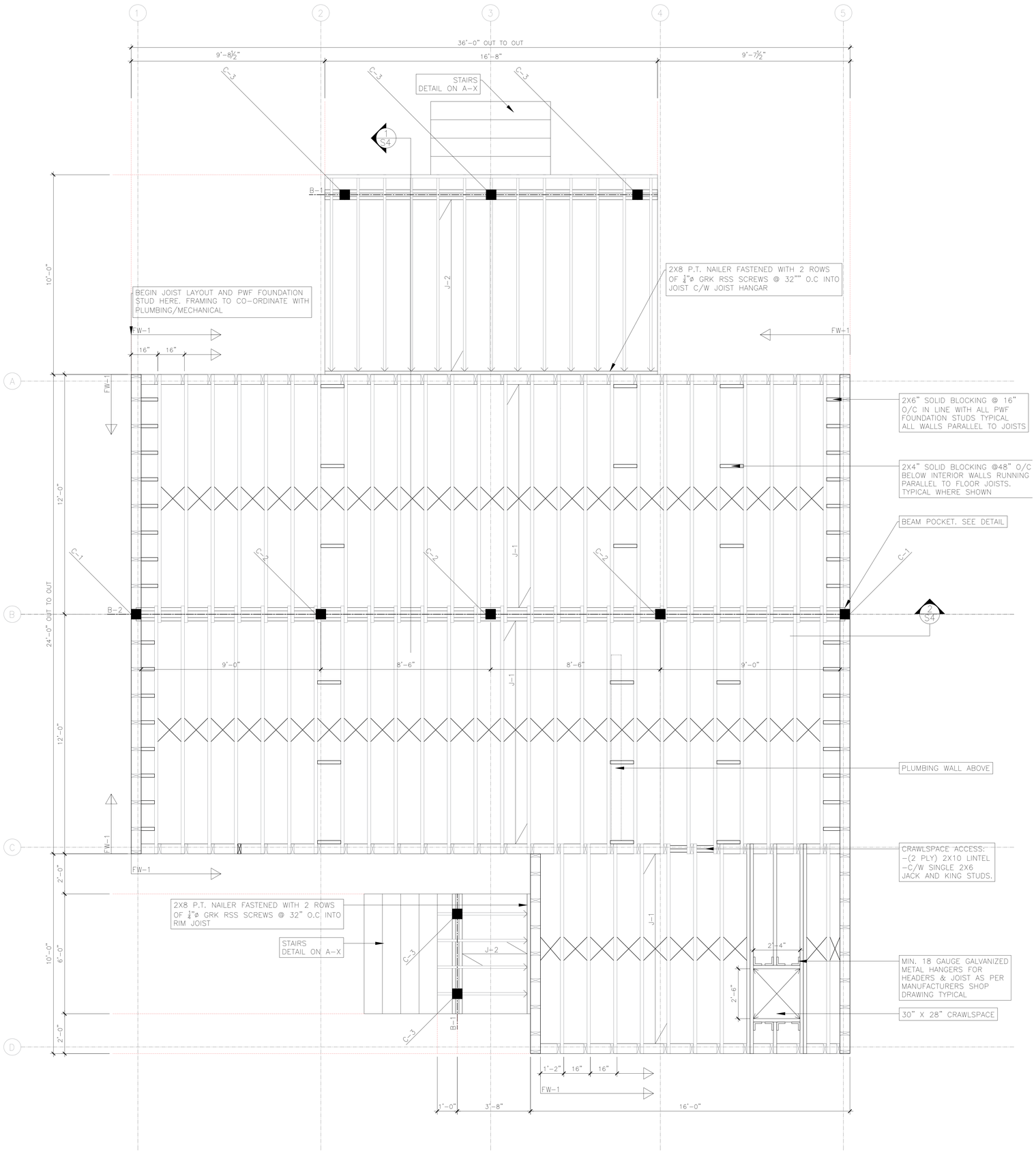


1 / S-3 MAIN FLOOR FRAMING PLAN
SCALE: 1/2" = 1'-0"

PROJECT TITLE:

STANDING TREE TO STANDING HOME

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

BOREAL BUILDERS

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

REVISIONS:

PG.	DATE	DESCRIPTION

NOTES:

JOIST SCHEDULE	
MARK	DETAILS
J - 1	2X10 SPF#2 OR BETTER JOIST @ 16" O/C 1 ROW X BRIDGING, MID SPAN T&P
J - 2	2X10 P.T. JOIST @ 16" O/C

WALL SCHEDULE	
MARK	DETAILS
W - 1	2X6 SPF #2 OR BETTER STUDS @ 16" O/C
FW - 1	2X6 PWF STUDS @ 16" O/C

BEAM SCHEDULE	
MARK	DETAILS
B - 1	3 PLY 2X10 P.T. BUILT UP BEAM
B - 2	4 PLY 2X10" SPF#2 OR BETTER BUILT UP BEAM

COLUMN SCHEDULE	
MARK	DETAILS
C - 1	4-PLY 2X6" PWF BUILT-UP COLUMN
C - 2	STANDARD ADJUSTABLE "SHORTY" TELEPOST. C/W 6"X6" TOP BEARING PLATE
C - 3	6X6" PWF POST WIT GALV. METAL CONNECTION BOTH ENDS

GENERAL NOTES

FLOOR DESIGN LOADING:

LIVE LOAD = 40 PSF
DEAD LOAD = 20 PSF

NOTES

1. ALL JOISTS TO BE SPF #2 OR BETTER @ 16" O/C UNLESS NOTED OTHERWISE
2. 2X8" CONTINUOUS RIBBON MEMBER AT TOP CHORD OF FLOOR JOISTS FOR DECK
3. GENERAL CONTRACTOR TO VERIFY THAT ALL PLUMBING DRAINS, HEATING/VENTILATION, AND OTHER SERVICES DO NOT INTERFERE WITH FLOOR JOIST LAYOUT PRIOR TO COMMENCING CONSTRUCTION
4. 7/8" SUBFLOOR T+G SPRUCE PLYWOOD GLUED & SCREWED
5. CRAWL SPACE TO BE HEATED
6. POWER SOURCE REQUIRED NEXT TO CRAWLSPACE HEAT SOURCE
7. NAILING FOR ALL BUILT-UP STUD COLUMNS 4 PLYS AND LESS, TO FOLLOW SPECIFICATIONS IN CSA-0866-14
8. FOR ALL COLUMNS 5 PLY AND OVER USE 1/2" Ø THROUGH BOLTS @ 12" O/C STAGGERED C/W OVERSIZED WASHERS IN ADDITION TO CSA-086-14 NAILING SPECIFICATIONS
9. PROVIDE MIN 2 ROWS OF 3 1/2" NAILS @ 12" O/C MAX BOTH FACES ALL PLYS. ALL BUILT UP STUD COLUMNS
10. DO NOT CUT ANY WOOD FLOOR JOISTS FOR MECHANICAL, PLUMBING OR ELECTRICAL SERVICES

DRAWING TITLE:
MAIN FLOOR FRAMING PLAN

DRAWN BY: C. SALLESE

CHECKED BY: G.C

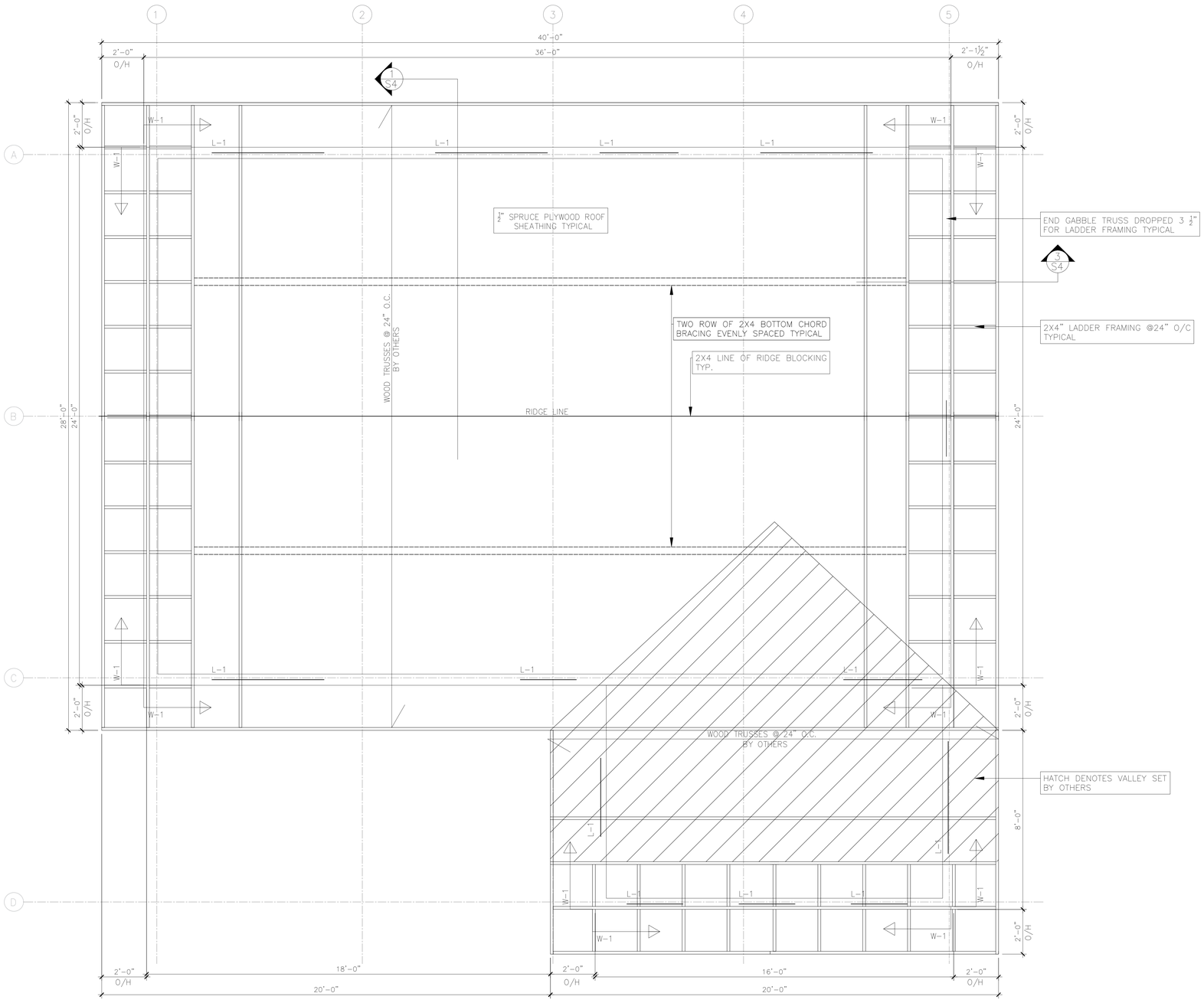
DATE: 29/09/2019

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

N
NORTH ARROW

S - 2
SHEET 5 OUT OF 9

PRODUCED BY AN AUTODESK STUDENT VERSION
PRODUCED BY AN AUTODESK STUDENT VERSION



1/S-4 ROOF FRAMING PLAN
SCALE: 1/2" = 1'-0"

PROJECT TITLE:

STANDING TREE TO STANDING HOME

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

BOREAL BUILDERS

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

REVISIONS:

PG.	DATE	DESCRIPTION

NOTES:

LINTEL SCHEDULE

MARK	DETAILS
L - 1	2 PLY 2X10 SPF NO.2 OR BETTER C/W SINGLE 2X6 JACK AND KING STUDS

WALL SCHEDULE

MARK	DETAILS
W - 1	2X6" SPF #2 OR BETTER STUDS @ 16" O/C
FW - 1	2X6" PWF STUDS @ 16" O/C

BEAM SCHEDULE

MARK	DETAILS
B - 1	3 PLY 2X8" P.T. FLUSH FRAMED BUILT UP BEAM
B - 2	4 PLY 2X10" P.T. FLUSH FRAMED BUILT UP BEAM

COLUMN SCHEDULE

MARK	DETAILS
C - 1	4-PLY 2X6" PWF BUILT-UP COLUMN
C - 2	STANDARD ADJUSTABLE "SHORTY" TELEPOST. C/W 6"X6" TOP BEARING PLATE
C - 3	6X6" PWF POST WIT GALV. METAL CONNECTION BOTH ENDS

GENERAL NOTES

ROOF DESIGN LOADING:

SNOW LOAD = 35 PSF
DEAD LOAD = 15 PSF TOP CORD
5 PSF BOTTOM CORD

NOTES

1. ALL LINTELS TO BE 2 - 2X10 S-P-F #2 (UNLESS NOTED OTHERWISE)
2. ALL DIMENSIONAL LUMBER S-P-F #2 (TYPICAL UNLESS NOTED OTHERWISE)
3. ALLOW 1/16" SPACE BETWEEN ROOF SHEETS FOR EXPANSION PLYWOOD
4. RIDGE BLOCKING AND PLY-CLIPS REQUIRED
5. LADDERS AT GABLE ENDS. AND 3 1/2" DROPPED GABLE-END TRUSSES
6. NAILING FOR ALL BUILT-UP STUD COLUMNS 4 PLY AND LESS. TO FOLLOW SPECIFICATIONS IN CSA-086-14
7. FOR COLUMNS 5 PLYS AND OVER USE 1/2" Ø THROUGH BOLTS @ 12" O/C STAGGERED C/W OVERSIZED WASHERS IN ADDITION TO CSA-086-14 NAILING SPECIFICATIONS.
8. PROVIDE MIN 2 ROWS OD 3 1/4" NAILS @ 12" O/C MAX BOTH FACES ALL PLYS

DRAWING TITLE:
ROOF FRAMING PLAN

N
NORTH ARROW

DRAWN BY: C. SALLESE

CHECKED BY: G.C

DATE: 29/09/2019

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

S - 3
SHEET 6 OUT OF 9

PRODUCED BY AN AUTODESK STUDENT VERSION
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T/O TRUSS
116'-8 11/16"

T/O PLATE
108'-3⅝"

T/O WINDOW
108'-8"

T/O MAIN FLOOR
102'-0"

GRADE
98'-8"

- 25 YR. ASPHALT SHINGLES
- EAVE AND VALLEY PROTECTION AS PER SECTION 9.26.5 OF N.B.C. (2015)
- 1/2" SPRUCE ROOF SHEATING C/W CLIPS
- WOOD TRUSSES BY OTHERS @ 24" O/C RIDGE BLOCKING
- R50 INSULATION
- 6 MIL CGSB 51.34 APPROVED POLY V.B
LINE UP ALL POLY JOINT ON TRUSS FOR BACKING (CAULK ALL POLY JOIST WITH ACOUSTIC CAULKING)
- 5/8" CEILING DRYWALL
- TAPED & PAINTED

PRE-FORMED INSULATION STOP C/W 1" CLEAR AIRSPACE FOR AIR CIRCULATION

2X2 INTERMEDIATE SUPPORTS FOR SOFFIT HANGERS IF NEEDED.

2X6 SUB-FASCIA

PREFORMED, PREFINISHED METAL FASCIA TRIM C/W RETURN FOR METAL SOFFIT

PREFORMED, PREFINISHED VENTED METAL SOFFIT C/W METAL TRIP MOULDINGS

PRE-FINISHED FLASHING ABOVE WINDOW

TYPICAL WALL CONSTRUCTION
- EXTERIOR FINISH (AS PER OWNER)
- TYVEK C/W TUCK TAPE JOINTS
- 1" OF MIN. R-5 RIGID TYPE IV INSULATION
- 7/16" OSB WALL SHEATHING
- 2X6 STUDS @ 16" O/C
- R-22 BATT INSULATION
- 6 MIL. CGSB 51.34 APPROVED POLY V.B. CAULK ALL POLY EDGES. INSTALL ALL POLY JOINTS ON STUDS FOR BACKING
- 1/2" DRYWALL
- TAPED & PAINTED

2X8 P.T. NAILER FASTENED WITH 2 ROWS OF ¼"ø GRK RSS SCREWS @ 32"" O.C INTO RIM JOIST

SIDING TO EXTEND PAST T/O COVER PLATE. TYPICAL

½"X18" PWF PLY COVER PLATE @ GRADE

18 GAUGE GALV. TRUSS TIE-DOWN ANCHORS BOT ENDS OF EVERY TRUSS 2-3 1/2" TOE-NAILS BOTH ENDS EVERY TRUSS

LINTEL AS PER FRAMING PLAN

2X6 EXTERIOR WALL STUDS

CONTIN. POLY V.B.

2 1/2" HOT DIPPED GALV. NAILS @6" O/C AT PANEL EDGES AND 8" O/C INT. SUPPORTS

2X6 SPF TOP PLATE

2X6 PWF BOTTOM PLATE

1 1/2"X24"X18 GA. GALV. STRAPS EVERY STUD 3-3" NAILS INTO STUD AND FLOOR JOIST (TYPICAL)

SUMP PIT LID TO BE SECURELY SCREWED TO PIT AT ALL TIME FOR SAFETY

30"øX36" DEEP (MINIMUM) PVC SUMP PIT SITE CONFIRM LOCATION, DO NOT UNDERMINE PADS OR FOOTING

SHORTY TELPOST

COMPACTED CLAY FILL ONLY UNDER AND AT SIDES OF SUMP PIT BELOW GRANULAR DRAINAGE AGGREGATE LAYER

PERFORATE PERIMETER OF SUMP PIT THROUGHOUT DEPTH OF DRAINAGE AGGREGATE LAYER ONLY WITH ¼"ø HOLES 3" GRID SPACING

- 15 MIL STEGO WRAP (ALL JOINT SEALED WITH STEGO TAPE)
- 6" MIN. GRANULAR DRAINAGE AGGREGATE (SLOPE TO SUMP IN ALL DIRECTIONS MIN 6")

WALL PLATE CONCRETE NAILS. TYP.

30"X10" CONC. FTG. C/W 2-15M HORIZ. REBAR CONTIN. TYPICAL

2 1/2"ø PVC PIPES @ 48" O/C

DRAINAGE AGGREGATE 12" MIN

14'-0"

12

5

2'-0"

A

B

1 / S5 SECTION
SCALE: 3/4" = 1'-0"

1X4 NAILER

2X4 LADDER @24" O/C

2X6 SUB-FASCIA

DROPPED GABLE

1" OF MIN. R-5 RIGID INSULATION

2X4 SPF NO. 2 LADDER BRACES @ 48" O/C

CHANNEL RUNNER

WOOD TRUSSES @ 24" O/C ROOF PITCH 5:12

R-50 BLOWN INSULATION, TYPICAL

2X6 DRYWALL NAILER

FLOOR CONSTRUCTION
- 5/16" SELECT FIR UNDERLAY BELOW FLOORING BY OWNER
- 7/8" SUBFLOOR T+G SPRUCE PLYWOOD GLUED AND SCREWED
- 2X10 WOOD JOIST INSTALLED @ 16" O/C

1-ROWS OF SCREWS @ 4" O/C INTO WALL PLT. & JOIST

4 PLY 2X10 BEAM (BEYOND)

2-2X6 P.T. PLATES C/W ½"ø A307 ANCHOR BOLTS @ 32" O/C. TYP.

CONTIN. POLY V.B.

DOUBLE 2X6TOP PLT.
TOP-SPF #2
BOTTOM - P.T

2X6 NAILER

FULL DEPTH SOLID BLOCKING @16" O/C EACH END IN LINE WITH EVERY PWF STUD

TYPICAL FOUNDATION WALL CONSTRUCTION
- 6 MIL CGSB POLY V.B
- 2X6 PWF STUDS @16" O/C (ALIGN WITH JOISTS & ENDWALL BLACKING)
- R-22 BATT INSULATION
- ½" PWF PLYWOOD SHEATHING
- BLUESKIN MOISTURE BARRIER
- 1" THICK TYPE IV RIGID INSULATION

4" TYPE IV RIGID INSULATION EXTENDING MIN. 48" BEYOND EDGE OF FOOTING. PROVIDE MIN. 24" SOIL COVER. FOR MECHANICAL AND U.V PROTECTION

EXTEND POLY M.B. 2" OVER EDGE OF FOOTING

GRADE

12" MIN DRAINAGE AGGREGATE

2 / S5 SECTION
SCALE: 3/4" = 1'-0"

PROJECT TITLE:

STANDING TREE TO STANDING HOME

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

BOREAL BUILDERS

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

REVISIONS:

PG.	DATE	DESCRIPTION

NOTES:

DRAWING TITLE:
DETAILS

DRAWN BY: C. SALLESE

CHECKED BY: G.C

DATE: 29/09/2019

SCALE: 3/4" = 1'-0"

N
NORTH ARROW

S - 4
SHEET 7 OUT OF 9

A. GENERAL

1. ALL REVELANT CSA CODES, PROVINCIAL BUILDING CODE, WORKMAN'S COMPENSATION BOARD, WORK PLACE SAFETY AND HEALTH, AND LOCAL BY-LAWS SHALL APPLY TO ALL WORK PERFORMED FOR THIS PROJECT.

2. THE CONTRACTOR SHALL BE RESPOSIBLE FOR THE DESIGN, INSTALLATION AND SAFETY OF ALL TEMPORARY SHORING, BRACING, FORM WORK AND SCAFFOLDING DURING WORK IN THIS PROJECT. ALL INFORMATION NOTED IN THESE NOTES SHALL BE READ IN CONJUNCTION WITH THE WRITTEN PROJECT SPECIFICATIONS.

3. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY SUCH DISREPENCY. DO NOT SCALE DRAWINGS.

4. THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH 2010 EDITION OF THE NATIONAL BUILDING CODE OF CANADA & 2011 MANITOBA BUILDING CODE.

5. THE CONTRACTOR SHALL FORWARD A COMPLETE POUR SCHEDULE TO THE ENGINEER IDENTIFYING ALL CONSTRUCTION JOINT LOCATIONS ETC. PRIOR TO DETAILING AND SUBMITTING REBAR SHOP DRAWINGS.

6. THE ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO CONCRETE EVERY POUR.

7. THE CONTRACTOR SHALL VERIFY AND PAY SPECIAL ATTENTION TO THE VERTICAL ALIGNMENT AND TOLERANCES OF FLOOR ELEVATIONS.

8. THE CONTRACTOR SHALL ENSURE ALL MATERIALS ARE INSTALLED IN STRICT ACCORDANCE WITH ALL MANUFATURERS SPECIFICATIONS AND INSTALLATION INSTRUCTIONS.

B. PRESERVED WOOD FOUNDATIONS

1. ALL WORK PERFORMED ON THE PWF BASEMENT SHALL BE IN STRICT ACCORDANCE WITH CSA STANDARD CAN3-S406 AND CSA-086.1 LATEST EDITIONS. THE PWF STUDS MUST BE DESIGNED FOR THE ACTUAL HEIGHT OF BACKFILL AS INDICATED ON THE DRAWINGS.

2. THE CONTINUOUS CONCRETE FOOTING AND PADS HAVE BEEN DESIGNED ASSUMING A SAFE ALLOWABLE SOIL BEARING VALUE OF THE 1200 PSF AT EXCAVATION LEVEL WITH TOLERABLE SOIL SHIFTING CHARACTERISTICS AND A GROUND WATER TABLE A MINIMUM OF 10'-0" BELOW THE FOOTING BEARING LEVEL. THE OWNER/CONTRACTOR IS RESPONSIBLE TO OBTAIN A SITE SOILS INVESTIGATION TO VERIFY THESE ASSUMPTIONS. SHOULD THE ACTUAL SOIL CONDITIONS VARY FROM THE ASSUMED CRITERIA, THE OWNER/CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY BEFORE PROCEEDING WITH CONSTRUCTION.

3. THE CONCRETE FOR ALL STRIP FOOTINGS SHALL BE 32 MPA AT 28 DAYS, TYPE 50 SULPATE RESISTANT CEMENT, 4" MAXIMUM SLUMP, 1 1/2" MAXIMUM AGGREGATE, 3% - 6% ENTRAINED AIR. ALL OTHER CONCRETE SHALL BE 20 MPA, TYPE 10, 4" MAXIMUM SLUMP, 1 1/2" MAXIMUM AGGREGATE UNLESS NOTED ON THE DRAWINGS.

4. ALL REBAR SHALL BE NEW BILLET DEFORMED BARS GRADE 300 MPA FOR 10M, GRADE 400 MPA FOR 15M AND LARGER. ALL REBAR SHALL BE FREE FROM RUST, MUD OIL OR OTHER MATERIAL WHICH WOULD REDUCE BOND. ALL REBAR SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH THE LATEST A.C.I. DETAILING MANUAL. ALL SPLICES FOR REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE MANITOBA BUILDING CODE AND SHALL BE LOCATED INT THE MIDDLE OF PILE SPANS FOR TOP HORIZONTAL REBAR AND DIRECTLY OVER BEAM SUPPORTS FOR BOTTOM HORIZONTAL REBAR.

5. THE CONTRACTOR SHALL MECHANICALLY VIBRATE ALL CONCRETE. THE CONTRACTOR SHALL ENSURE ALL CONCRETE PLACED DURING COLD WEATHER SHALL BE PROTECTED FROM FREEZING IN ACCORDANCE WITH CSA A23.1 STANDARD AND IN NO INSTANCE SHALL BE HEATED FOR LESS THAN 4 DAYS. THE CONTRACTOR SHALL ENSURE THAT ALL CONCRETE IS PLACED ON DRY UNDISTURBED UNFROZEN MATERIAL.

6. ALL FOOTING REBAR SHALL BE BENT MINIMUM 24" AROUND CORNERS BOTH DIRECTION OR USE 30" x 30" CORNER BARS.

7. ALL DIMENSIONS AND ELEVATIONS NOTED ON THESE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR/OWNER PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR/OWNER SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON NOTING ANY DIMENSIONAL DISCREPANCIES.

8. HOT-DIPPED GALVANIZED NAILS ONLY SHALL BE INSTALLED IN PWF MATERIAL.

9. THE EXTERIOR PWF FOUNDATION PLYWOOD SHALL BE INSTALLED WITH FACE GRAIN HORIZONTALLY UNLESS INDICATED OTHERWISE ON THE DRAWINGS AND SHALL BE MINIMUM 5/8" IN THICKNESS UNLESS NOTED ON THE DRAWINGS. ALL PLYWOOD JOINTS SHALL BE COMPLETELY SEALED WITH BUTYL SEALANT MEETING THE CGSB STANDARD 19-GP-14M.

10. THE EXTERIOR MOISTURE BARRIER SHALL CONFORM TO CGSB STANDARD 51.34 AND SHALL BE MINIMUM 6 MIL. ALL POLY JOINTS SHALL BE LAPPED MINIMUM OF 24" AND SHALL BE COMPLETELY SEALED WITH BUTYL SEALANT. THE TOP POLY JOINT COMPLETE WITH 6" FOLD SHALL BE SECURED TO THE PWF PLYWOOD WITH A CONTINUOUS BEAD OF BUTYL SEALANT AND SHALL BE COVERED WITH 1/2"x18" WIDE PWF PLYWOOD COVER STRIP. TOP OF COVER STRIP TO BE MINIMUM 9" ABOVE FINAL GRADE. THE MOISTURE BARRIER SHALL EXTEND CONTINUOUSLY FROM A MINIMUM OF 2" ABOVE FINAL GRADE 8" BELOW THE TO OF THE COVER STRIP) TO 3" DOWN EXTERIOR TOP CORNER OF CONCRETE FOOTING.

11. THE DRAINAGE LAYER WILL CONSIST OF CLEAN CRUSHED ROCK OR CLEAN GRAVEL MAXIMUM 1 1/2" DIAMETER WITH NOT MORE THAN 10% FINE MATERIAL PASSING THROUGH A 0.15" SIEVE. EXTEND AGGREGATE MINIMUM 12" BEYOND THE EXTERIOR EDGE OF THE FOOTINGS. SLOPE EXCAVATION GRADE TO THE SUMP FROM ALL DIRECTIONS MINIMUM 6". PLACE AGGREGATE WITH 6 MIL. POLY MOISTURE BARRIER COVER OVER ENTIRE EXCAVATION. INSTALL 2 1/2" DIAMETER PIPES THROUGH CONCRETE FOOTING @ 48" O.C. ALL SUMP DETAILS INCLUDING SIZE, ELEVATION AND LOCATION WILL BE SITE DETERMINED BY THE BUILDER/OWNER AFTER CONSULTING WITH THE AUTHORITY HAVING JURISDICTION.

12. THE STRUCTURAL AND VAPOUR BARRIER DETAILS AS NOTED ON THE CONSTRUCTION DRAWINGS SHALL BE STRICTLY ADHERED TO BY THE CONTRACTOR ON SITE. NO DEVIATION FROM THE DETAILS SHOWN ON THE DRAWINGS SHALL BE PERMITTED UNLESS WRITTEN APPROVAL IS OBTAINED BY THE ENGINEER APPROVING THE CHANGE.

13. UNLESS OTHERWISE NOTED ON THE CONTRACT DRAWINGS, ALL PWF STUDS SHALL BE SPEC 1 GRADE 2 OR BETTER TO THE SIZE AND SPACING AS NOTED ON THE DRAWINGS. THE MAXIMUM BACKFILL HEIGHT SHALL BE IN ACCORDANCE WITH THE CSA 086.1-M89 STANDARD AND PART 10 PRESERVED WOOD FOUNDATIONS OF THE CANADIAN WOOD COUNCIL WOOD DESIGN MANUAL LATEST EDITION.

14. THE MATERIAL IN THE BACKFILL ZONE SHALL BE COMPRISED OF COARSE SAND OR GRAVEL INSTALLED MEETING THE CSA S406 STANDARD MAXIMUM 12" LIFTS AND COMPACTED BY HAND TAMPING ONLY. THE TOP 12" OF BACKFILL SHALL BE COMPRISED OF IMPERVIOUS CLAY MATERIAL SLOPED AWAY FROM THE FOUNDATION WALL TO PROPERLY SHED MOISTURE AWAY FROM THE FOUNDATION SYSTEM. THE MATERIAL FOR BACKFILLING PLACED WITHIN 24" OF THE FOUNDATION WALLS SHALL BE FREE OF ALL DELETERIOUS DEBRIS, FROZEN CLUMPS, AND BOULDERS LARGER THAN 150mm IN DIAMERTER.

15. SECURE EXTERIOR POLY TO PWF PLYWOOD BY EMBEDDING IN VERTICAL BEADS OF BUTYL CAULKING @ 48" O.C. DO NOT SEAL AT BASE OF FOUNDATION WALL WITH SEALANT.

16. HILTI NAIL OR CONCERETE NAIL PWF WALL BOTTOM PLATE TO FOOTING @ 32" O.C. STAGGERED.

17. THE CONTRACTOR SHALL NOT DRILL ANY HOLES THROUGH PWF STUDS FOR ANY PURPOSE INCLUDING THE RUNNING OF ELECTRICAL WIRE.

18. BRUSH ON WOOD PRESERVATIVE ON ALL CUT ENDS OF PWF MATERIAL. APPLY PRESERVATIVE AS PER MANUFACTURER'S SPECIFICATIONS.

C. WOOD

1. ALL LINTELS AND DIMENSIONAL JOISTS SHALL BE SPECIES GROUP 'D' S-P-F No.1 AND 2 UNLESS NOTED OTHERWISE ON THE DRAWINGS.

2. ALL STRUCTURAL SAWN LUMBER, NAILING, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH CSA STANDARD 086.1.

3. ALL METAL STRAPS, JOIST HANGERS, TRUSS ANCHORS ETC. SHALL BE MINIMUM 18 GAUGE HOT-DIPPED GALVANIZED MATERIAL INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

4. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED IN ACCORDANCE WITH CSA 0121-M1978 STANDARD. T&G FLOOR SHEATHING SHALL BE DOUGLAS FIR PLYWOOD TO CSA 021-M1978 OR SPRUCE PLYWOOD TO CSA STANDARD 0151-M1978 OR OSB PANEL TO CSA 0438-93.

5. UNLESS OTHERWISE NOTED ON THE DRAWINGS ALL STUD MATERIAL, BACKING, BLOCKING AND BRACING SHALL BE SPECIES GROUP 'D' S-P-F GRADE No.1 AND 2.

6. ALL ROOF AND EXTERIOR SHEATHING SHALL BE EITHER DOUGLAS FIR PLYWOOD EXTERIOR GRADE TO CSA 0121-M1978 STANDARD, SPRUCE PLYWOOD TO CSA 0151-M1978, OR OSB PANEL TO CSA 0437-93.

7. ASPENITE OR WAFERBOARD IS NOT PERMITTED TO BE USED FOR ANY STRUCTURAL APPLICATION ON THIS PROJECT.

8. ALL BRIDGING, GENERAL BRACING, AND BLOCKING FOR ROOF TRUSSES AND PRE ENGINEERED FLOOR SYSTEMS SHALL BE INSTALLED AS REQUIRED AND SPECIFIED BY THE MANUFACTURER.

9. TRUSSES AND PRE-ENGINEERED FLOOR JOISTS SHALL NOT BE CUT OR MODIFIED ON SITE WITHOUT WRITTEN APPROVAL BY ENGINEER.

10. THE GENERAL CONTRACTOR SHALL CO-ORDINATE OPENING SIZES AND LOAD REQUIREMENTS FOR ANY AND ALL MECHANICAL AND ELECTRICAL EQUIPMENT ON ALL PRE-ENGINEERED FRAMING SYSTEMS.

11. PROVIDE 18 ga. GALVANIZED METAL TIE-DOWN ANCHORS BOTH ENDS ALL ROOF TRUSSES.

12. DO NOT PILE ROOF SHEATHING ON ROOF DURING CONSTRUCTION.

13. ALLOW 1/16" SPACE BETWEEN PLYWOOD ROOF SHEETS FOR EXPANSION.

D. SHOP DRAWINGS

1. SUBMIT FOUR COMPLETE SETS OF SHOP DRAWINGS TO ENGINEER FOR REVIEW MINIMUM THREE WEEKS PRIOR TO REQUIRED MANUFACTURE DATE.

2. ALL SHOP DRAWINGS SHALL INCLUDE ALL LOADING DETAILS, DIMENSIONS, SIZES, OPENING LOCATIONS ETC.

3. ALL SHOP DRAWINGS SHALL BE SEALED BY A PROFFESSIONAL REGISTERED IN THE PROVINCE OF MANITOBA.

4. SUBMIT SHOP DRAWINGS FOR THE FOLLOWING ITEMS:

   (1) PRE-ENGINEERED WOOD ROOF TRUSSES
   (2) PRE-ENGINEERED FLOOR JOISTS

E. FALSEWORK

1. ALL FALSEWORK DESIGN, FABRICATION, AND INSTALLATION SHALL CONFIRM TO THE REQUIREMENTS OF CSA S269-M92 (R2008).

2. ALL STRUCTURAL SAWN LUMBER, NAILING, AND CONNECTIONS SHALL BE IN ACCORDANCE WITH CSA STANDARD 086-09.

3. ALL METAL STRAPS, JOIST HANGERS, TRUSS ANCHORS ETC. SHALL BE MINIMUM 18 GAUGE HOT-DIPPED GALVANIZED MATERIAL INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

4. T&G SHEATHING SHALL BE DOUGLAS FIR PLYWOOD TO CSA O21-08 OR SPRUCE PLYWOOD TO CSA STANDARD 0151-08 OR OSB PANEL TO CSA 0437-93 (R2011).

5. UNLESS OTHERWISE NOTED ON THE DRAWINGS ALL STUD MATERIAL, BACKING, BLOCKING AND BRACING SHALL BE SPECIES GROUP 'D' S-P-F GRADE No. 1 AND 2.

6. ASPENITE OR WAFERBOARD IS NOT PERMITTED TO BE USED FOR ANY STRUCTURAL APPLICATION ON THIS PROJECT.

7. THE GENERAL CONTRACTOR SHALL COORDINATE OPENING SIZES AND LOAD REQUIREMENTS FOR ANY AND ALL MECHANICAL AND ELECTRICAL EQUIPMENT ON ALL PRE-ENGINEERED FRAMING SYSTEMS.

8. DO NOT PILE SHEATHING ON ENGINEERED WOOD JOISTS DURING CONSTRUCTION.

9. FALSEWORK SHALL NOT BE REMOVED BEFORE MIN. 14 DAYS CONCRETE CURING TIME.

PROJECT TITLE:

STANDING TREE TO
STANDING HOME

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

BOREAL BUILDERS

STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE

REVISIONS:

PG.	DATE	DESCRIPTION

NOTES:

DRAWING TITLE:
NOTES

DRAWN BY: C. SALLESE

CHECKED BY: G.C

DATE: 29/09/2019

SCALE:

S - 5
SHEET 8 OUT OF 9

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION

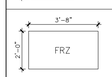
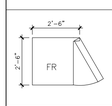
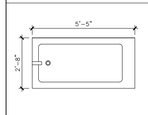
DOOR AND WINDOW TYPE

	TYPE: D1	TYPE: D2	TYPE: D3	TYPE: D4	TYPE: W1	TYPE: W2	TYPE: W3
TYPE							
SIZE	HEIGHT X LENGTH X WIDTH: 7'-0" X 3'-6" X 0'-2"	HEIGHT X LENGTH X WIDTH: 7'-0" X 3'-0" X 0'-2"	HEIGHT X LENGTH X WIDTH: 7'-0" X 3'-7" X 0'-2"	HEIGHT X LENGTH X WIDTH: 7'-0" X 5'-7" X 0'-2"	HEIGHT X LENGTH 3'-0" X 2'-6"	HEIGHT X LENGTH 3'-0" X 5'-0"	HEIGHT X LENGTH 3'-0" X 5'-0"
MATERIAL	ALUMINUM FRAME - FINISH:TBD WOOD DOOR - NATURAL FINISH	WOOD FRAME - FINISH: TBD WOOD DOOR - FINISH: TBD	ALUMINUM FRAME - FINISH:TBD WOOD DOOR - NATURAL FINISH	ALUMINUM FRAME - FINISH:TBD WOOD DOOR - NATURAL FINISH	ALUMINUM FRAME - FINISH: TBD GLAZING: - TBD	ALUMINUM FRAME - FINISH: TBD GLAZING: - TBD	ALUMINUM FRAME - FINISH: TBD GLAZING: - TBD

DOOR SCHEDULE

NO.	LOCATION	TYPE	SWING	SET	HARDWARE	FIRE RATE	REMARKS
001	CLOSED-IN PORCH	TYPE:D1	RIGHT	LOCK SET	TBD	TBD	
002	UTILITY ENTRANCE		LEFT				
007	ENTRANCE		RIGHT				
003	WASHROOM	TYPE:D2	LEFT	PASSAGE SET	TBD	TBD	
004	BEDROOM 1						
005	BEDROOM 2						
006	BEDROOM 3						
004A	BEDROOM 1	TYPE:D3	SLIDING	TRACK	TBD	TBD	
005A	BEDROOM 2						
006A	BEDROOM 3	TYPE:D4	SLIDING	TRACK	TBD	TBD	

EQUIPMENT LEGEND

SYMBOL	IMAGE	LOCATION	MANUFACTURE	PRODUCT INFO	PRODUCT #
	TBD	UTILITY LAUNDRY	TBD	DRYING MACHINE FIN: TDB SIZE: 30"L. X 30"W. X H. - TBD	TBD
	TBD	UTILITY LAUNDRY	TBD	WASHING MACHINE SIZE: 30"L. X 30"W. X H. - TBD	TBD
	TBD	CLOSED-IN PORCH	TBD	CHEST FREEZER SIZE: 44"L. X 24"W. X H. - TBD	TBD
	TBD	KITCHEN	TBD	WATER HEATER SIZE: 24" DIAMETER 60 GAL	TBD
	TBD	LIVING ROOM	ENGLAND'S STOVE WORKS,INC.	WOOD OVEN SIZE: 15.5"L. X 22"W. X 31.75"H.	
	TBD	KITCHEN	TBD	STOVE TOP OVEN SIZE: 30"L. X 30"W. X H. - TBD	TBD
	TBD	BATHROOM	TBD	BATHROOM SINK	TBD
	TBD	BATHROOM	TBD	TOILET	TBD
	TBD	KITCHEN	TBD	KITCHEN SINK	TBD
	TBD	KITCHEN	TBD	FRIDGE SIZE: 30"L. X 30"W. X H. - TBD	TBD
	TBD	BATHROOM	TBD	FRIDGE SIZE: 30"L. X 30"W. X H. - TBD	TBD

PROJECT TITLE:

GARDEN HILL FIRST NATION +
WASAGAMACK FIRST NATION
HOUSING PROJECT

STREET NAME AND NUMBER
CITY, PROVINCE, POSTAL CODE

BOREAL BUILDERS
STREET NAME AND NUMBER
CITY, PROVINCE
POSTAL CODE
PHONE NUMBER

REVISIONS:

PG.	DATE	DESCRIPTION
A1	8/2/19	- FLOOR PLAN/LAYOUT BY C. SALLESE

GENERAL NOTES:

1. ALL DRAWING ARE NOT FOR CONSTRUCTION
2. ALL DRAWING TO BE READ IN CONJUNCTION WITH STRUCTURAL, MECHANICAL AND ELECTRICAL ENGINEERING DRAWINGS AND SPECIFICATIONS. REPORT ANY DISCREPANCIES BETWEEN CONSULTANTS DRAWINGS TO DESIGNER FOR CLARIFICATION

CONCERNS FOR REVIEW:

1. CONSTRUCTION OF ENCLOSED VERTICAL CHASE
   1.1. ON PACKED GRAVEL?
   1.2. HOW TO INSULATE?
2. STRUCTURAL LOAD CALCULATION MUST BE DONE, ADJUSTMENTS SHOULD BE MADE.
3. ROOF AND CEILING ASSEMBLY.
4. CHIMNEY AND MASONRY INTERIOR WALLS HAVE NOTE BEEN DETAILED.
   4.1. PLEASE TAKE A LOOK AND DETAIL AS APPROPRIATE.

DRAWING TITLE:
SCHEDULES

DRAWN BY: C.SALLESE

CHECKED BY: X

DATE: 03/04/2019

SCALE: NO SCALE

S - 6

SHEET 9 OUT OF 9

PRODUCED BY AN AUTODESK STUDENT VERSION

PRODUCED BY AN AUTODESK STUDENT VERSION