

MAIN FLOOR PLAN

1/8" = 1'-0"

COMPLIANCE PACKAGE "J"	
COMPONENT	RSI (R)
CEILING WITH ATTIC SPACE MINIMUM RSI(R)-VALUE	0.81 (R30)
CEILING WITHOUT ATTIC SPACE MINIMUM RSI(R)-VALUE	0.46 (R10)
EXPOSED FLOORS MINIMUM RSI(R)-VALUE	0.46 (R10)
WALL ABOVE GRADE MINIMUM RSI(R)-VALUE	0.23 (R8)
BASEMENT WALLS MINIMUM RSI(R)-VALUE	0.87 (R32)
BELOW GRADE SLAB ENTIRE SURFACE > 600mm BELOW GRADE MINIMUM RSI(R)-VALUE	---
EDGE OF BELOW GRADE SLAB ≤ 600mm BELOW GRADE MINIMUM RSI(R)-VALUE	1.16 (R40)
HEATED SLAB OR SLAB ≤ 600mm BELOW GRADE MINIMUM RSI(R)-VALUE	1.16 (R40)
WINDOWS AND SLIDING GLASS DOORS MAXIMUM U-VALUE	1.8
SKYLIGHTS MAXIMUM U-VALUE	2.8
SPACE HEATING EQUIPMENT MINIMUM AFUE	94%
HV MINIMUM EFFICIENCY	60%
DOMESTIC HOT WATER HEATER MINIMUM EF	0.67

PROJECT NORTH

TRUE NORTH

**GENERAL NOTES**

- GENERAL CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES BEFORE CONSTRUCTION BEGINS.
- ALL CONSTRUCTION EQUIPMENT AND MATERIALS TO ADHERE TO THE LATEST EDITION OF THE ONTARIO BUILDING CODE AND LOCAL BY-LAWS.
- DRAWINGS ARE NOT TO BE SCALED.
- POSTINGS TO BE ON UNIMPROVED SOIL AND HAVE THE MINIMUM REQUIRED FOOTING COVERAGE (4'-0" BELOW GRADE)
- MIN. 20 MPa (3000 PSI) CONCRETE STRENGTH (AT 28 DAYS)
- STEEL STRENGTH = 400 MPa (60 ksi)
- PROVIDE TEMPORARY BRACING FOR COLUMNS UNTIL FINAL BRACING AND STRUCTURE INSTALLATION IS COMPLETE.
- ROOF TRUSSES AND GIRDERS DESIGNED BY TRUSS MANUFACTURER.
- BACKFILL BEHINDING
  - BACKFILL INTERIOR OF BUILDING WITH COMPACTED SAND
  - EXTERIOR BACKFILL TO BE PLACED IN 150 LITE BINS AROUND THE STRUCTURE OF THE BUILDING AND COMPACTED TO 95% STANDARD PROCTOR.

**REVISIONS**

NO.	DATE	REVISION	REVISED BY
1	04/04/14	DRAWINGS ISSUED	MB
2			
3			
4			
5			

**STRUCTURAL DESIGN NOTES**

DESIGN DATA LOCATION: WOODSTOCK

GROUND SNOW LOAD: 19 kPa (937 PSF)  
 SPECIFIED SNOW LOAD: 145 kPa (3025 PSF)  
 LINE LOAD: 2.4 kPa (501 PSF)  
 DEAD LOAD: 0.48 kPa (10 PSF)  
 WIND LOAD (1/30): 0.44 kPa (92 PSF)

MAXIMUM BRICK LINTEL SPANS:

**2 1/2" BRICK O.D.G. 31052**

BL-1	L- 3'6" x 3'6"	= 8'-0"
BL-2	L- 4' x 3'6"	= 8'-0"
BL-3	L- 5' x 3'6"	= 11'-0"
BL-4	L- 6' x 3'6"	= 12'-0"

**4" STONE O.D.G. 31052**

SL-1	L- 3'6" x 3'6"	= 7'-0"
SL-2	L- 4' x 3'6"	= 8'-0"
SL-3	L- 5' x 3'6"	= 10'-0"
SL-4	L- 6' x 3'6"	= 12'-0"

**STAR INFORMATION:**

RISE: MAX 7 1/2"  
 RUN: MAX 8 1/2"  
 TREAD: MAX 2 1/2"  
 NOSING: MAX 1"  
 HEADROOM: MIN 6'-5"

**ADDITIONAL STRUCTURAL NOTES:**

- 1/2" PERIMETER EXPANSION JOINT FOR POURED CONCRETE SLABS
- 1/2" CONTRA JOINTS @ 20'-0" O.C. EACH WAY IN POURED CONCRETE SLABS UNLESS NOTED OTHERWISE
- ALL WOOD No. 2 SPF OR BETTER
- ALL BOLTS TO BE GALVANIZED STEEL
- ALL EXTERIOR LINTELS ARE TO BE MINIMUM 2-PLY 2x10 C/N 2x4 DRYWALL NAILER AND PLYWOOD FILLER BETWEEN EACH PLY, UNLESS NOTED OTHERWISE
- PROVIDE SOLID BLOCKING AS REQUIRED WITHIN FLOOR SYSTEM FOR LOADS ABOVE
- ALL NOTCHING AND DRILLING OF FRAMING MEMBERS TO CONFORM TO NATIONAL AND LOCAL BUILDING CODES.

**PLAN AREAS**

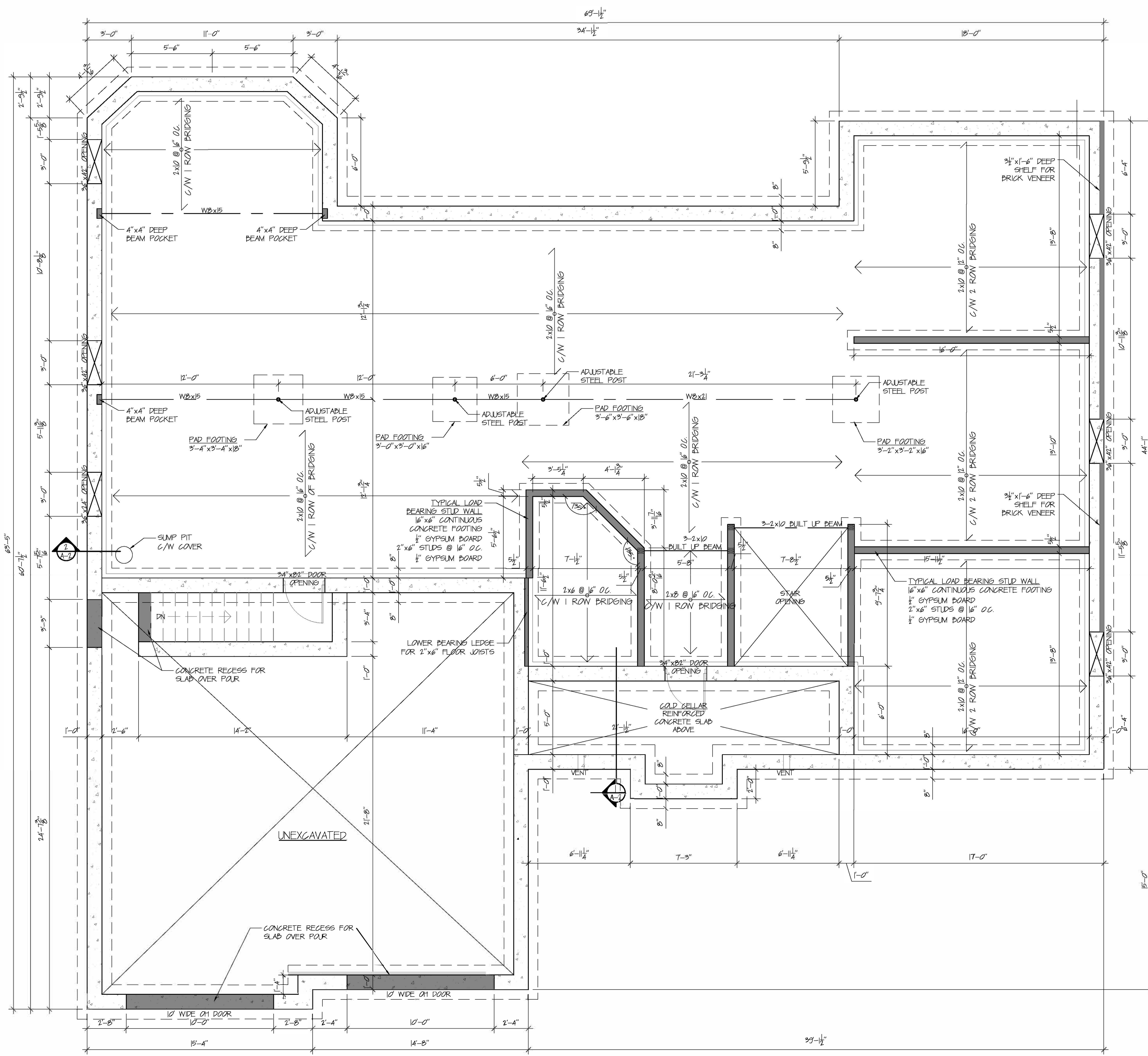
MAIN FLOOR PLAN:	2481 sq ft
TOTAL FINISHED AREA:	2481 sq ft
GARAGE AREA:	202 sq ft
COVERED PORCH:	144 sq ft
LOT COVERAGE:	2381 sq ft

DRAWING PRINTED  
APRIL 04, 2014

DRAWING TITLE:  
MAIN FLOOR PLAN

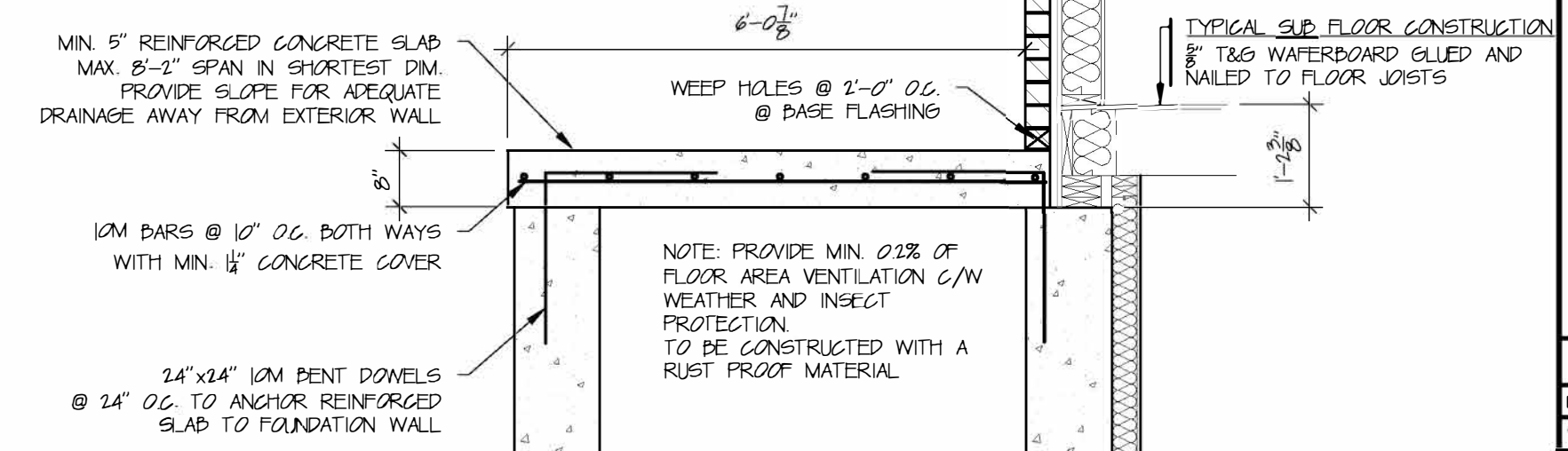
PROJECT NAME AND ADDRESS:

DRAWN BY: MB DATE: MARCH 07, 2014  
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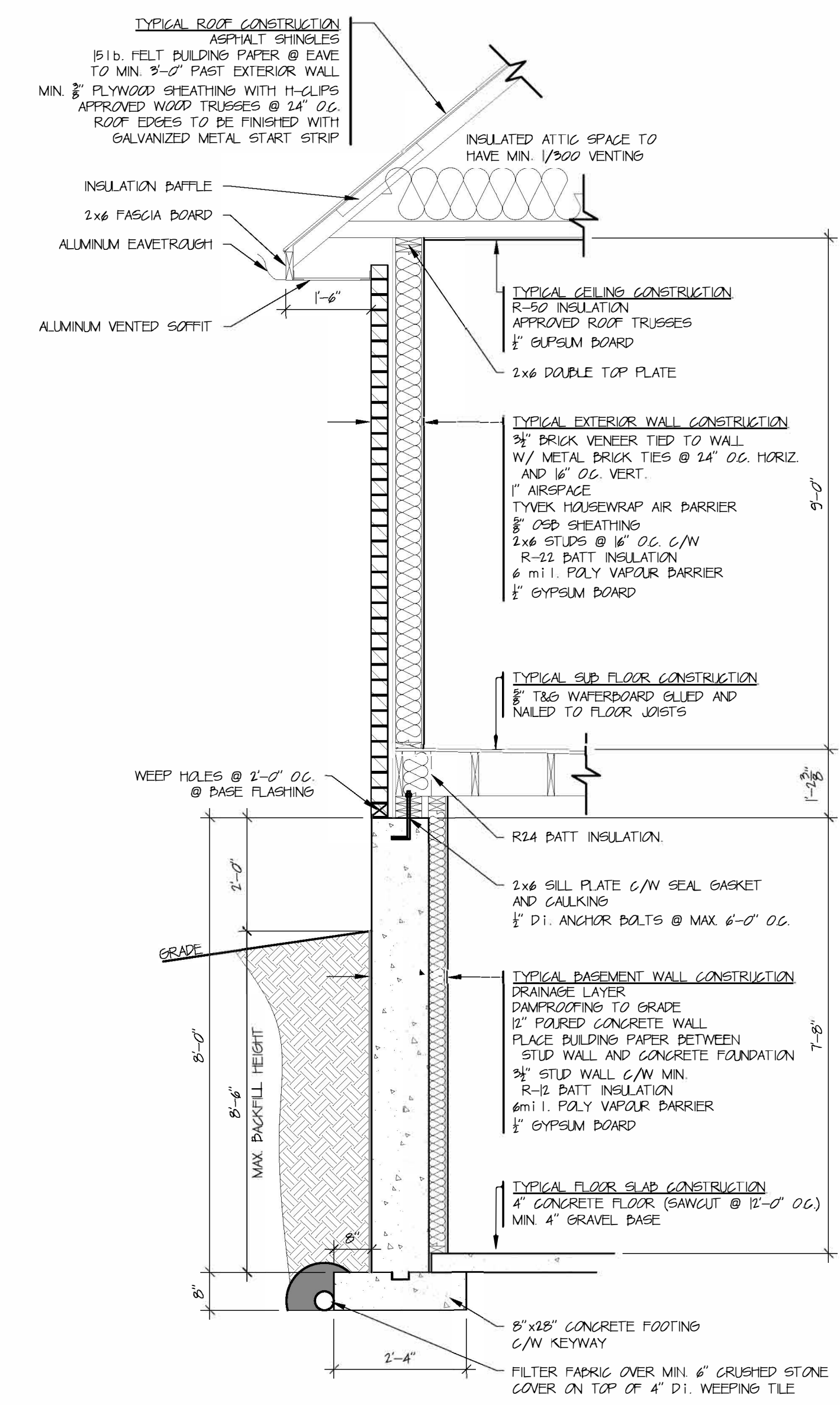


FOUNDATION PLAN

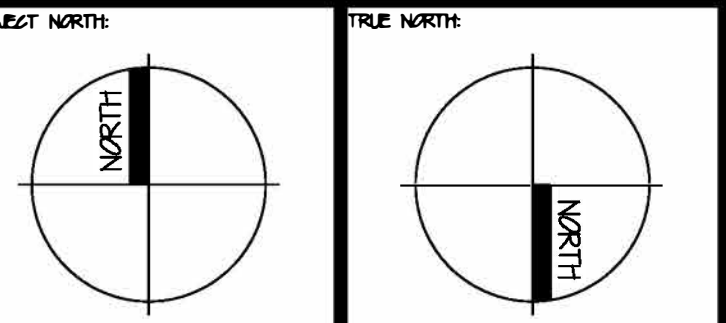
1/4" = 1'-0"



PORCH SECTION



TYPICAL WALL SECTION



**GENERAL NOTES**

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- ALL CONSTRUCTION EQUIPMENT AND MATERIALS TO ADHERE TO THE LATEST EDITION OF THE NATIONAL BUILDING CODE AND LOCAL BY-LAWS.
- DRAWINGS ARE NOT TO BE SCALED.
- FOOTINGS TO BE ON UNIMPROVED SOIL AND HAVE THE MINIMUM REQUIRED COVER TO BE 12" BELOW GRADE.
- MIN. 30 MPa (5000 PSI) CONCRETE STRENGTH (AT 28 DAYS)
- STEEL STRENGTH = 420 MPa (60 ksi)
- PROVIDE TEMPORARY BRACING FOR COLUMNS UNTIL FINAL BRACING AND STRUCTURE INSTALLATION IS COMPLETE.
- ROOF TRUSSES AND GIRDERS DESIGNED BY TRUSS MANUFACTURER.
- DRYWALL BRACING
- BACKFILL INTERIOR OF BUILDING WITH COMPACTED SAND
- EXTERIOR BACKFILL TO BE PLACED IN 15" LIFTS EQUALLY AROUND THE STRUCTURE OF THE BUILDING AND COMPACTED TO 95% STANDARD PROCTOR.

**REVISIONS**

NO.	DATE	BY	REVISION	REVISOR
1	04/04/14	MB	DRAWINGS ISSUED	MB
2				
3				
4				
5				

**STRUCTURAL DESIGN NOTES**

**DESIGN DATA LOCATION: WOODSTOCK**

GROUND SNOW LOAD: 19 kPa (997 PSF)  
 SPECIFIED SNOW LOAD: 145 kPa (3025 PSF)  
 LIVE LOAD: 2.4 kPa (501 PSF)  
 DEAD LOAD: 0.48 kPa (10 PSF)  
 WIND LOAD (1/30): 0.44 kPa (92 PSF)

**MAXIMUM BRICK LINTEL SPANS:**

2" BRICK O.D.C. 31252

BL-1	L- 3/4" x 3/4" x 1/2"	= 8'-1/2"
BL-2	L- 4" x 3/4" x 1/2"	= 8'-0"
BL-3	L- 5" x 3/4" x 1/2"	= 11'-0"
BL-4	L- 6" x 3/4" x 1/2"	= 12'-0"

4" STONE O.D.C. 31252

SL-1	L- 3/4" x 3/4" x 1/2"	= 7'-0"
SL-2	L- 4" x 3/4" x 1/2"	= 8'-0"
SL-3	L- 5" x 3/4" x 1/2"	= 10'-0"
SL-4	L- 6" x 3/4" x 1/2"	= 12'-0"

**STAIR INFORMATION:**

RISE: MAX 7 1/2"  
 RUN: MAX 8 1/2"  
 TREAD: MAX 9 1/2"  
 NOSING: MAX 1"  
 HEADROOM: MIN 6'-5"

**ADDITIONAL STRUCTURAL NOTES:**

- 1/2" PERIMETER EXPANSION JOINT FOR PAIRED CONCRETE SLABS
- 1/2" CONTRA JOINTS @ 20'-0" OC. EACH WAY IN PAIRED CONCRETE SLABS UNLESS NOTED OTHERWISE.
- ALL WOOD NO. 2 SPF OR BETTER
- ALL BOLTS TO BE GALVANIZED STEEL
- ALL EXTERIOR LINTELS ARE TO BE MINIMUM 2-PLY 2x10 C/N 2x4 DRYWALL NAILER AND PLYWOOD FILLER BETWEEN EACH PLY, UNLESS NOTED OTHERWISE.
- PROVIDE SOLID BLOCKING AS REQUIRED WITHIN FLOOR SYSTEM FOR LOADS ABOVE.
- ALL NOTCHING AND DRILLING OF FRAMING MEMBERS TO CONFORM TO NATIONAL AND LOCAL BUILDING CODES.

DRAWING PRINTED  
APRIL 04, 2014

DRAWING TITLE  
FOUNDATION PLAN

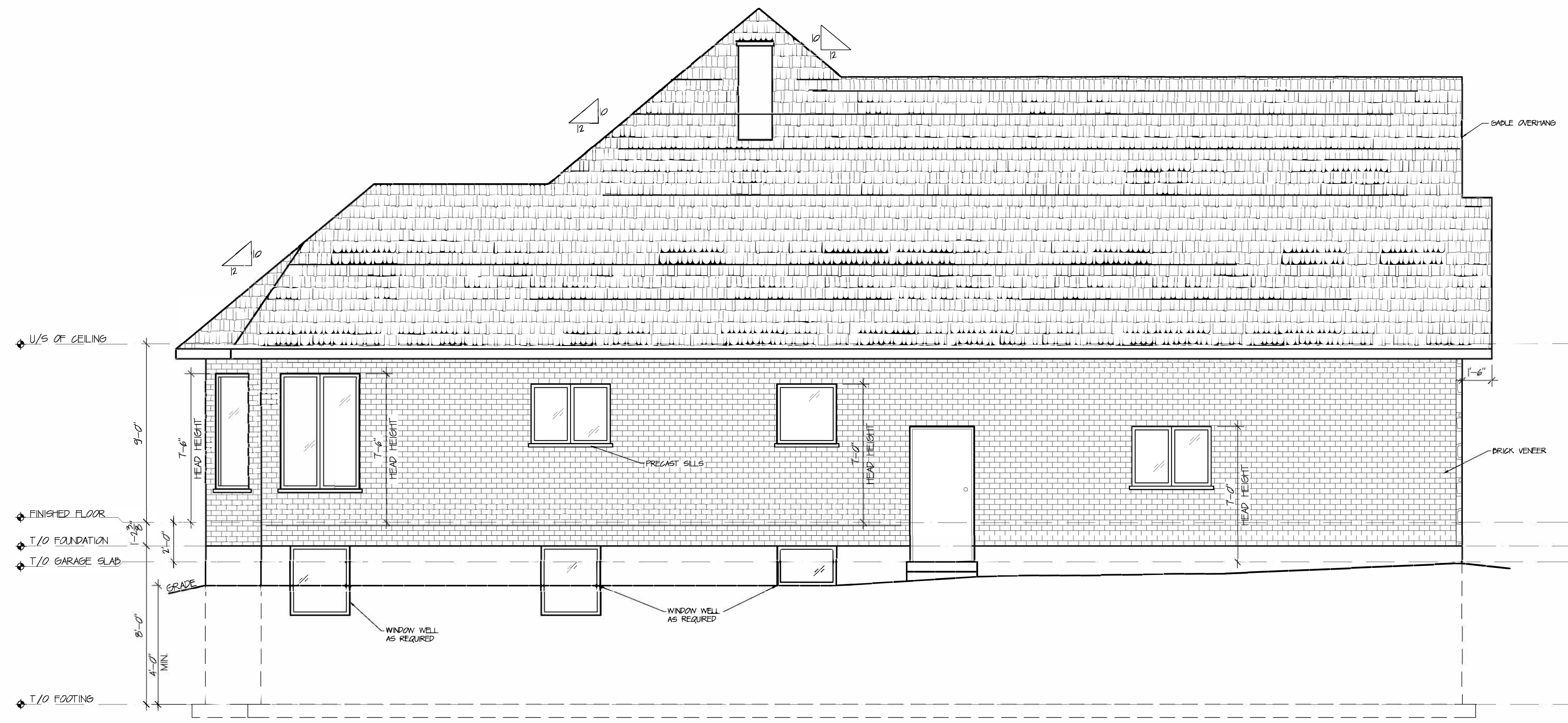
PROJECT NAME AND ADDRESS

DRAWN BY: MB DATE: MARCH 07, 2014  
 SCALE: 1/4" = 1'-0" SHEET NO.: A-2  
 FILE: -

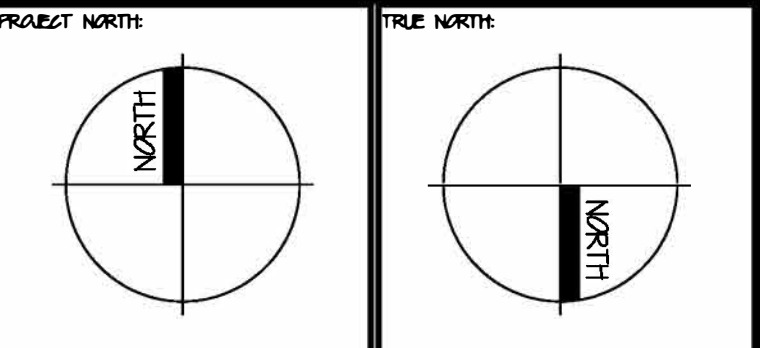




SOUTH ELEVATION  
1/4" = 1'-0"



EAST ELEVATION  
1/4" = 1'-0"



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- DRAWINGS ARE NOT TO BE SCALED.
- FOOTINGS TO BE ON UNIMPROVED SOIL AND HAVE THE MINIMUM REQUIRED PROOF COVERAGE (48" BELOW GRADE).
- MIN. 30 MPa (4350 PSF) CONCRETE STRENGTH (AT 28 DAYS)
- STEEL STRENGTH = 400 MPa (58 ksi)
- PROVIDE TEMPORARY BRACING FOR COLUMNS UNTIL FINAL BRACING AND STRUCTURE INSTALLATION IS COMPLETE.
- ROOF TRUSSES AND GIRDERS DESIGNED BY TRUSS MANUFACTURER.
- BACKFILL REQUIREMENTS
- BACKFILL INTERIOR OF BUILDING WITH COMPACTED SAND
- EXTERIOR BACKFILL TO BE PLACED IN 6" LIFTS EQUALLY AROUND THE STRUCTURE OF THE BUILDING AND COMPACTED TO 98% STANDARD PROCTOR.

**REVISIONS**

NO.	DATE	REVISION	REVISED BY
1	04/04/14	DRAWINGS ISSUED	MB
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3			
4			
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**STRUCTURAL DESIGN NOTES**

DESIGN DATA LOCATION: WOODSTOCK

GROUND SNOW LOAD: 19 kPa (397 PSF)  
 SPECIFIED SNOW LOAD: 145 kPa (3025 PSF)  
 LIVE LOAD: 2.4 kPa (501 PSF)  
 DEAD LOAD: 0.48 kPa (10 PSF)  
 WIND LOAD (1/20): 0.44 kPa (9.2 PSF)

**ADDITIONAL STRUCTURAL NOTES:**

- 1" PERIMETER EXPANSION JOINT FOR PAIRED CONCRETE SLABS
- 1" CONTROL JOINTS @ 20'-0" OC EACH WAY IN PAIRED CONCRETE SLABS UNLESS NOTED OTHERWISE.
- ALL WOOD No. 2 SPT OR BETTER
- ALL BOLTS TO BE GALVANIZED STEEL
- ALL EXTERIOR LINTELS ARE TO BE MINIMUM 2-PLY 2x10 G/W 2x4 DRYWALL NALER AND PLYWOOD FILLER BETWEEN EACH PLY, UNLESS NOTED OTHERWISE.
- PROVIDE SOLID BLOCKING AS REQUIRED WITHIN FLOOR SYSTEM FOR LOADS ABOVE.
- ALL NOTCHING AND DRILLING OF FRAMING MEMBERS TO CONFORM TO NATIONAL AND LOCAL BUILDING CODES.

DRAWING PRINTED  
APRIL 04, 2014

DRAWING TITLE:  
SOUTH AND EAST ELEVATION

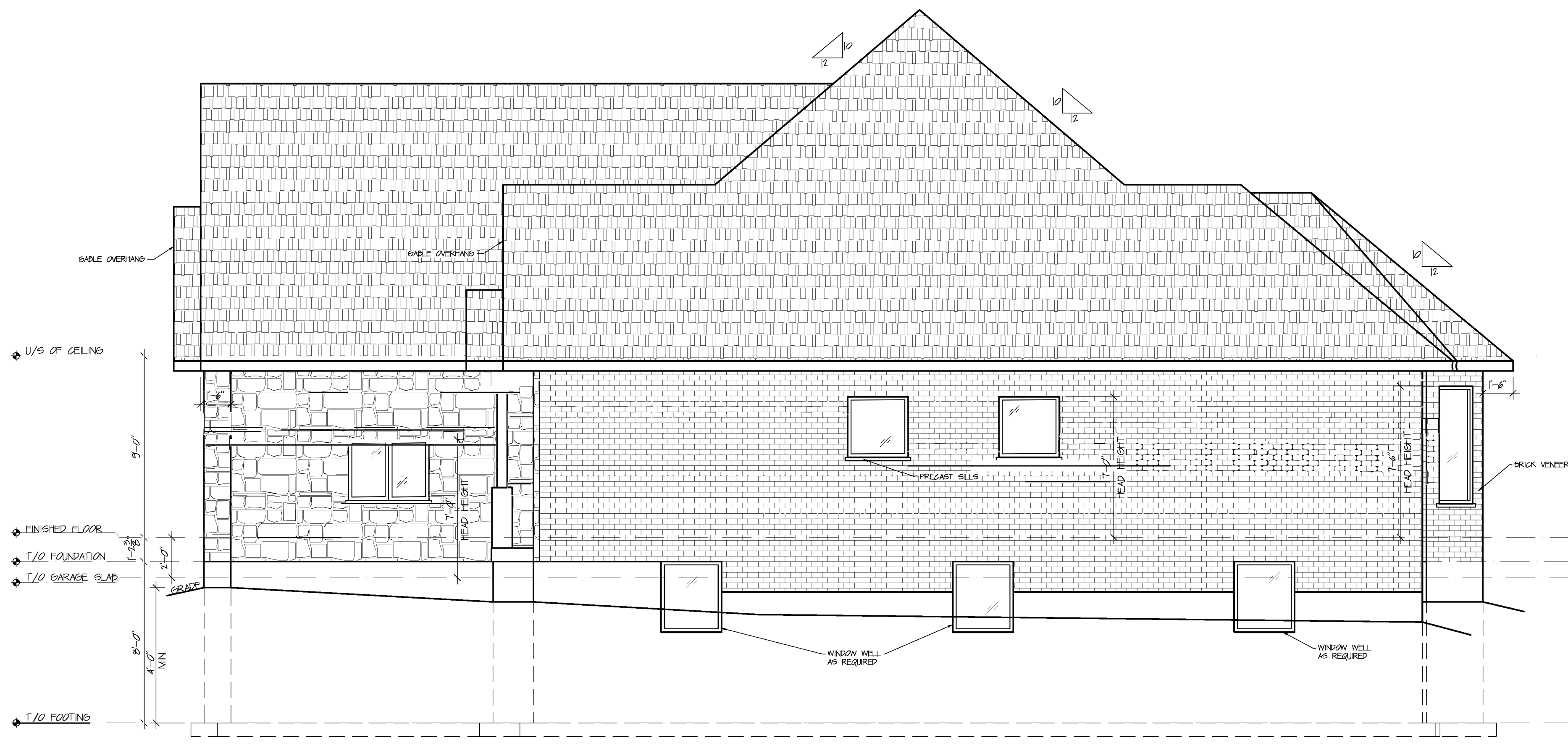
PROJECT NAME AND ADDRESS:

DRAWN BY: MB DATE: MARCH 07, 2014  
 SCALE: 1/4" = 1'-0" SHEET NO. A-3



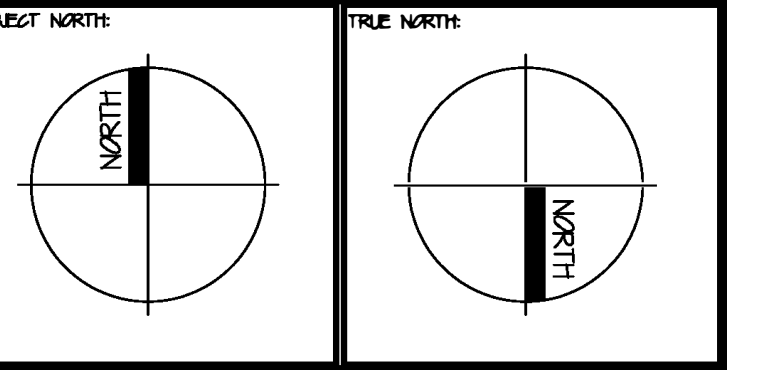
NORTH ELEVATION

1/2" = 1'-0"



WEST ELEVATION

1/2" = 1'-0"



**GENERAL NOTES**

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- DRAWINGS ARE NOT TO BE SCALED.
- FOOTINGS TO BEAR ON UNDISTURBED SOIL AND HAVE THE MINIMUM REQUIRED PROOF COVERAGE (6" BELOW GRADE).
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- BACKFILL REQUIREMENTS
- BACKFILL INTERIOR OF BUILDING WITH COMPACTED SAND
- EXTERIOR BACKFILL TO BE PLACED IN 150 LIFTS EQUALLY AROUND THE STRUCTURE OF THE BUILDING AND COMPACTED TO 98% STANDARD PROCTOR.

**REVISIONS**

NO.	DATE	REVISION	REVISED BY
1	24/04/14	DRAWINGS ISSUED	MB
2			
3			
4			
5			

**STRUCTURAL DESIGN NOTES**

DESIGN DATA LOCATION: WOODSTOCK

GROUND SNOW LOAD: 19 kPa (397 PSF)  
 SPECIFIED SNOW LOAD: 145 kPa (3025 PSF)  
 LIVE LOAD: 2.4 kPa (501 PSF)  
 DEAD LOAD: 0.48 kPa (10 PSF)  
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**ADDITIONAL STRUCTURAL NOTES:**

- 1" PERIMETER EXPANSION JOINT FOR PAIRED CONCRETE SLABS
- 1" CONTROL JOINTS @ 20'-0" O.C. EACH WAY IN PAIRED CONCRETE SLABS UNLESS NOTED OTHERWISE.
- ALL WOOD No. 2 SPF OR BETTER
- ALL BOLTS TO BE GALVANIZED STEEL
- ALL EXTERIOR LINTELS ARE TO BE MINIMUM 2-PLY 2x4 C/W 2x4 DRYWALL NAILER AND PLYWOOD FILLER BETWEEN EACH PLY, UNLESS NOTED OTHERWISE.
- PROVIDE SOLID BLOCKING AS REQUIRED WITHIN FLOOR SYSTEM FOR LOADS ABOVE.
- ALL NOTCHING AND DRILLING OF FRAMING MEMBERS TO CONFORM TO NATIONAL AND LOCAL BUILDING CODES.

DRAWING PRINTED  
APRIL 04, 2014

DRAWING TITLE  
NORTH AND WEST ELEVATION

PROJECT NAME AND ADDRESS:

DRAWN BY: MB DATE: MARCH 27, 2014  
 SCALE: 1/2" = 1'-0" SHEET NO.: A-4  
 FILE: -



PROPOSED:

ADDRESS: 273 7TH CONC. HARLEY

AREA OF SHOP
GROUND: 2029 SQ FT

**SYMBOL LEGEND:**

DRAWING TITLE: BASEMENT FLOOR PLAN  
 SCALE: 1/4"=1'-0"  
 DRAWING SCALE

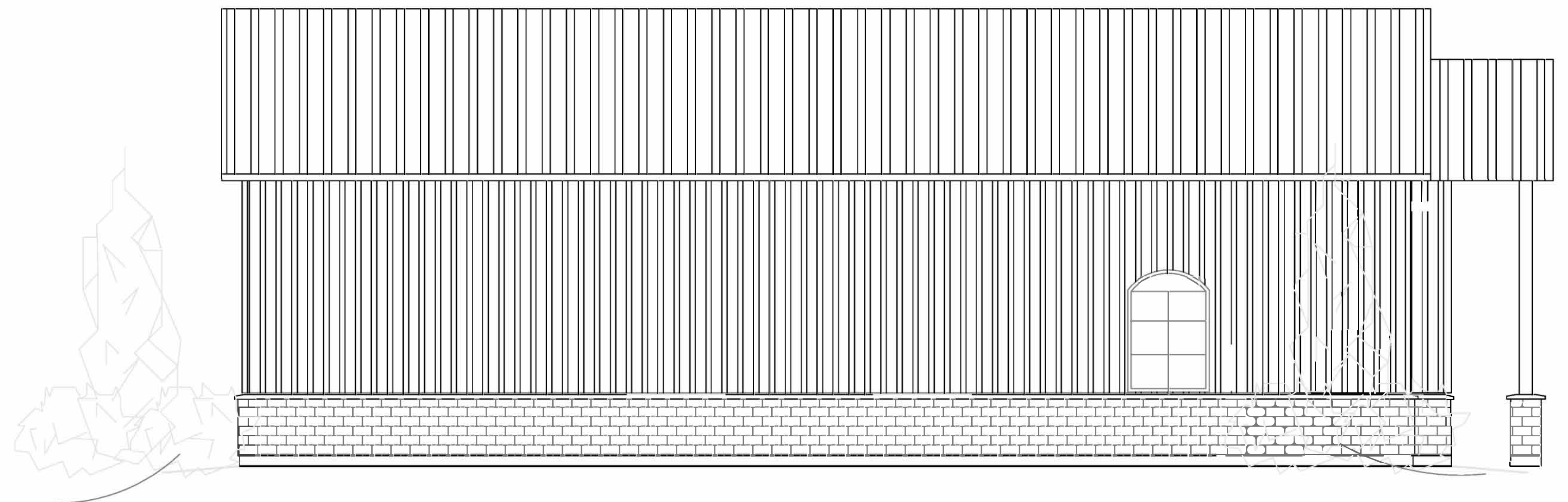
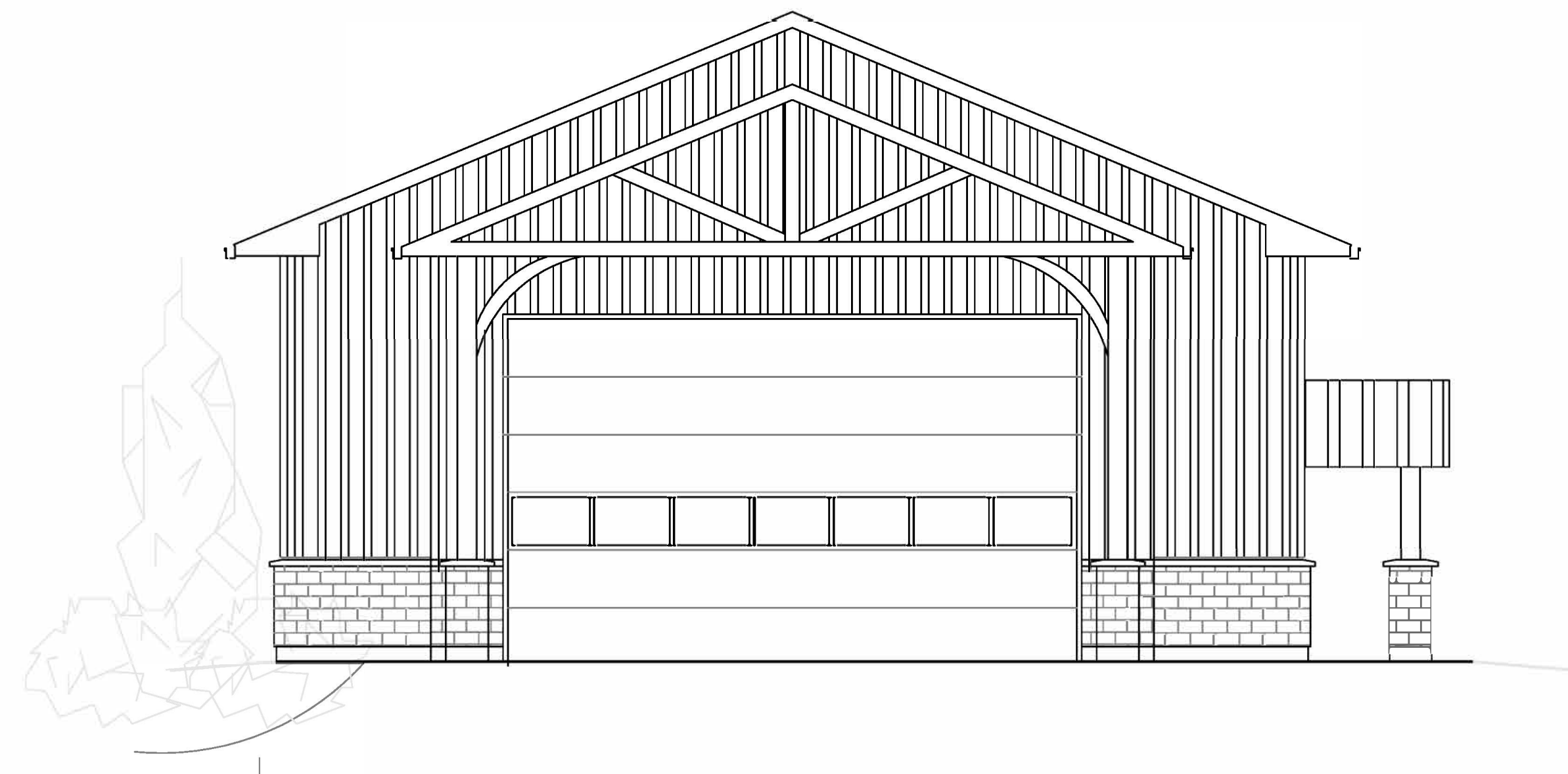
DETAIL No. / PAGE No. [Symbol]

U/S ROOF TRUSS: 108'-0 1/2"  
 ELEVATION [Symbol]

SECTION TITLE (SEE A6) [Symbol]

WL.3 LINTEL TYPE (SEE LEGEND) [Symbol]

1 WALL TYPE (SEE LEGEND) [Symbol]



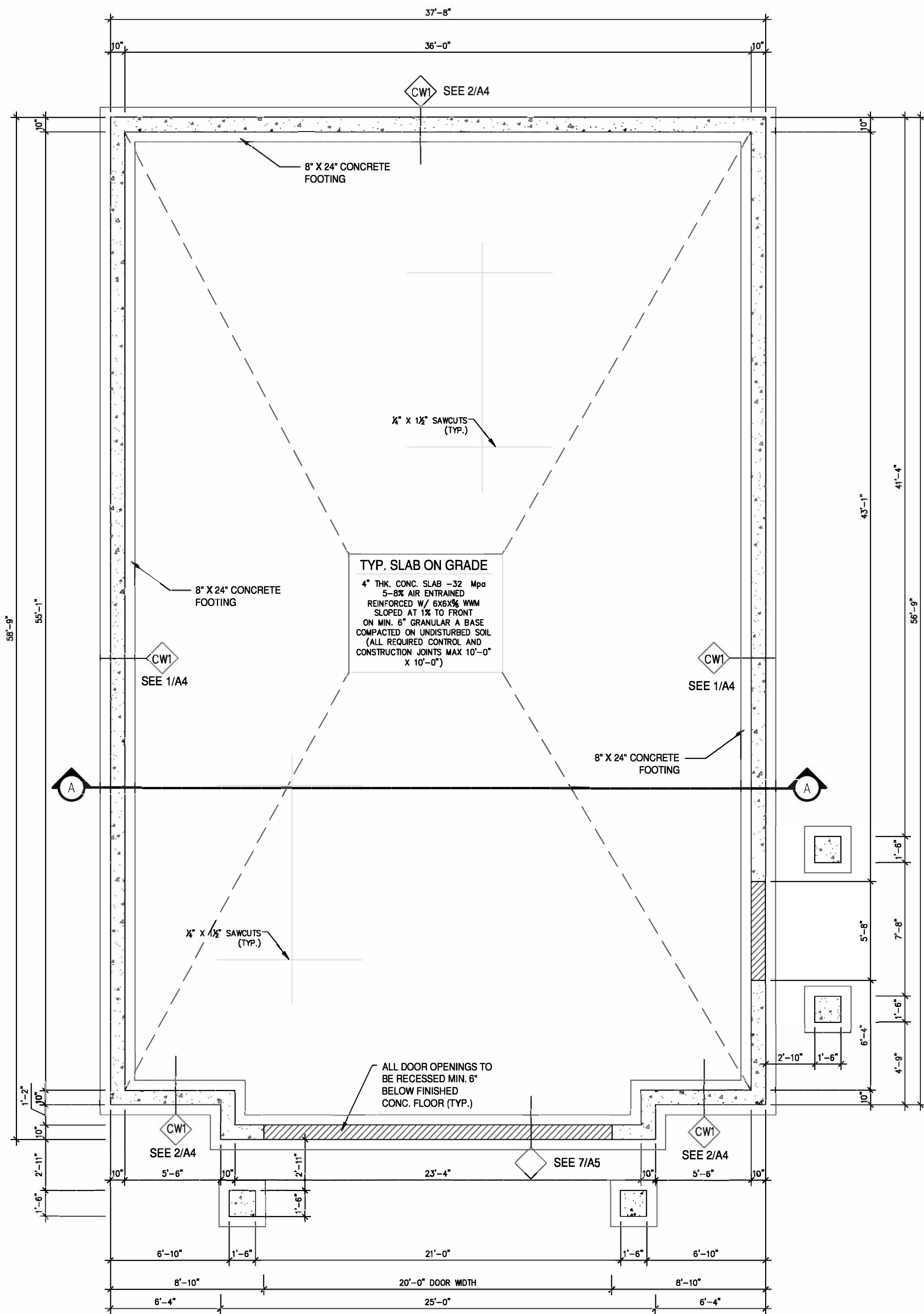
LIST OF ABBREVIATIONS				
R: RISERS	T&G: TONGUE AND GROOVE	FT: FEET	DTL: DETAIL	U/S: UNDER SIDE
STD: STANDARD	N/A: NOT APPLICABLE	TYP.: TYPICAL	DWG: DRAWING	CJ: CONTROL JOINT
No.: NUMBER	NIC: NOT IN CONTRACT	W/: WITH	EJ: EXPANSION JOINT	SF: STEP FOOTING
MECH: MECHANICAL	NTS: NOT TO SCALE	WD: WOOD	ELEC: ELECTRICAL	AFF: ABOVE FINISHED FLOOR
MISC: MISCELLANEOUS	OPP: OPPOSITE	W/O: WITH OUT	EQUIP: EQUIPMENT	ANOD: ANODIZED
TEMP: TEMPORARY	QTY.: QUANTITY	DN: DOWN	EXIST: EXISTING	INFO: INFORMATION
LW: LIGHT WEIGHT	ACT: ACOUSTIC TILE	&: AND	FL: FLOOR	BFF: BELOW FINISHED FLOOR
MATL: MATERIAL	ALUM: ALUMINUM	@: AT	BLK: BLACK	CONST: CONSTRUCTION
MAX: MAXIMUM	APROX: APPROXIMATELY	L: ANGLE	BLDG: BUILDING	COL: COLUMN
MIN: MINIMUM	OC: ON CENTER	FIN: FINISHED	CONC: CONCRETE	PSF: POUNDS PER SQUARE FOOT
C/W: COMPLETE WITH	CC: CENTER TO CENTER	T/O: TOP OF	LAV: LAVATORY	UNO: UNLESS NOTED OTHERWISE
WNDW: WINDOW	mPa: MEGA PASCALS	FTG: FOOTING	CONT: CONTINEOUS	OBC: ONTARIO BUILDING CODE
REQD: REQUIRED	BTHRM: BATHROOM	BDRM: BEDROOM	BSMNT: BASEMENT	STL: STEEL

ALL DIMENSIONS AND INFORMATION SHALL BE CHECKED AND VERIFIED ON THE JOB AND ANY DISCREPANCIES MUST BE REPORTED TO THE CONSULTANT BEFORE COMMENCING WORK.

ALL DRAWINGS REMAIN THE PROPERTY OF THE CONSULTANT AND MAY NOT BE REPRODUCED OR REVISED WITHOUT THE CONSULTANTS WRITTEN PERMISSION.

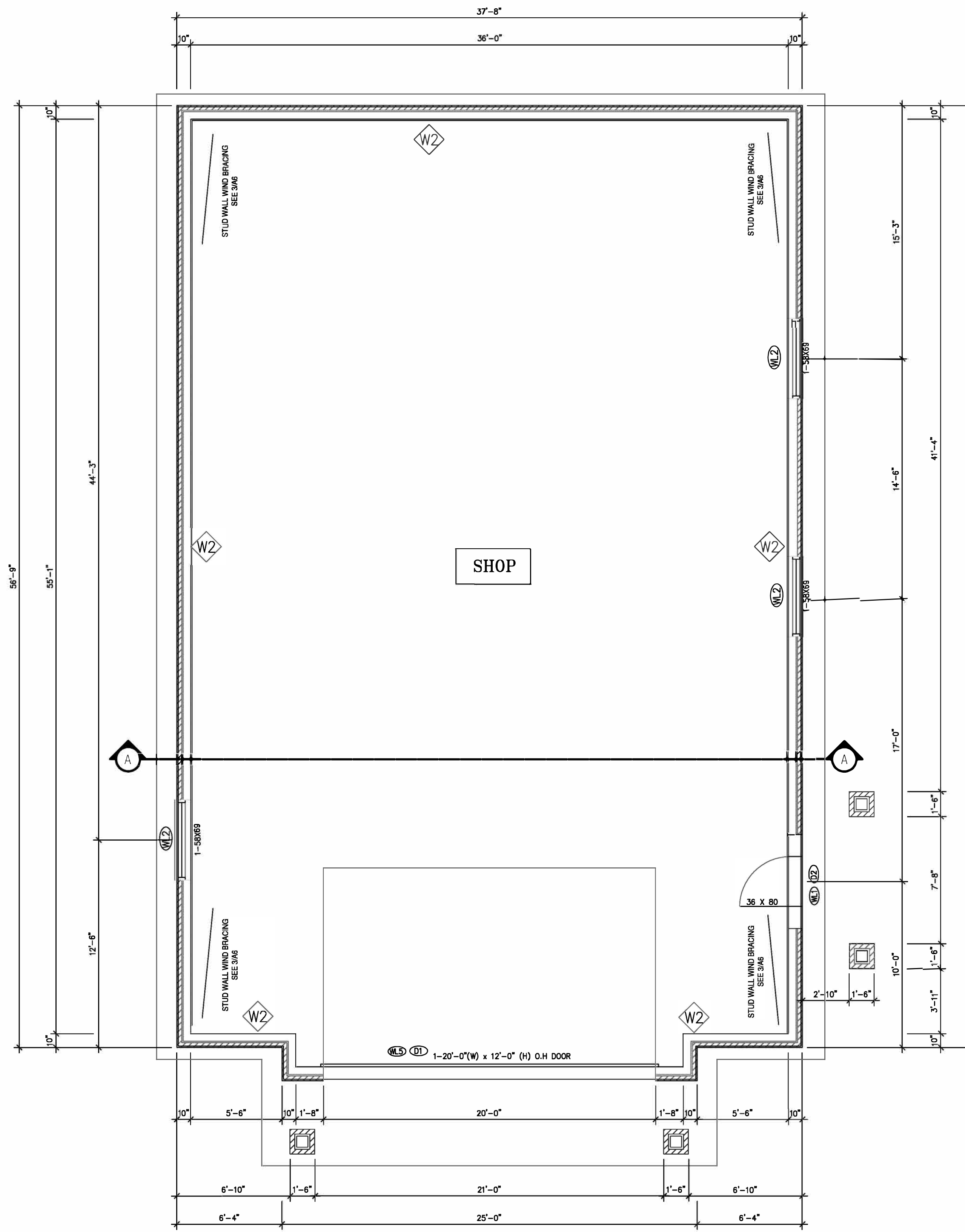
<b>OWNER</b>
<b>MIKE AND ASHLEY GOOR</b>
<b>DESIGNER</b>
<b>MIKE AND ASHLEY GOOR</b>

LEGEND: PROPOSED GOOR SHOP											
CONST.	PERMIT.	TENDER.	REVIEW: MAR. 24		CONST.	PERMIT.	TENDER.	REVIEW: MAR. 24			
			●	A-1	FOUNDATION PLAN				●	A-5	DETAILS
			●	A-2	BUILDING SECTION				●	A-6	GENERAL NOTES AND DETAILS,
			●	A-3	ELEVATIONS						
			●	A-4	WALL SECTIONS						
					SCHEDULES						



FOUNDATION PLAN

SCALE 1/4" = 1'-0"



GROUND FLOOR PLAN

SCALE 1/4" = 1'-0"

14'-0" TO U/S OF TRUSS/ JOISTS

SEE MANUFACTURER SPECS FOR WINDOW RSO'S

100 AMP SERVICE

WALL SCHEDULE	
CW1	8" X 24" CONCRETE STRIP FOOTING W/ (2) 15M CONT. REBAR 32MPA  FOUNDATION WALL CONSTRUCTION: 8" X 4'-10" 32MPA WALL 10M CONT. AT TOP

WALL SCHEDULE	
W2	FROM +6" TO +3'-6" 3 1/2" BRICK/STONE VENEER 1" AIR SPACE 3/8" SHEATHING 2X6" STUDS @ 24" C/C  ABOVE BRICK/STONE VENEER: 29GA EXT. STEEL CLADDING 1X4 EXT WALL STRAPPING- 24"C/C 2X6 STUDS @ 24" C/C

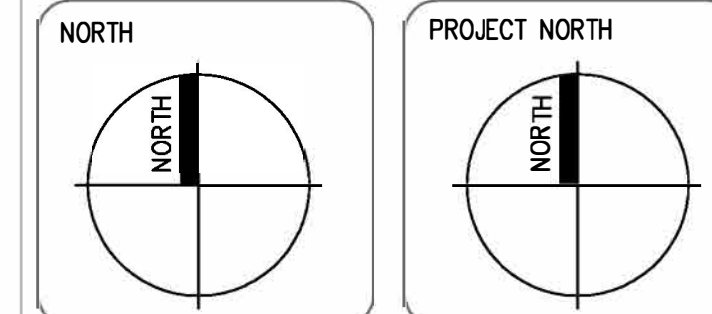
LEGEND:

NOTES:

IT IS THE CONTRACTORS RESPONSIBILITY TO:  
 -USE FIGURED DIMENSIONS IN PREFERENCE TO SCALING  
 -VERIFY AND CHECK ALL DIMENSIONS PRIOR TO AND DURING CONSTRUCTION  
 -DETERMINE LOCATIONS OF EXISTING SERVICES  
 ANY CHANGES, DISCREPANCIES OR SUBSTITUTIONS SHALL BE REPORTED TO AND REVIEWED BY THE ARCHITECT BEFORE PROCEEDING

No.	REVISIONS	DATE	BY

PROPOSAL:  REVIEW:  PERMIT:  TENDER:



MUNICIPALITY ADDRESS:

273 7th CONC. RD.  
HARLEY, ON

PROJECT NAME:

SHOP

DRAWING TITLE:

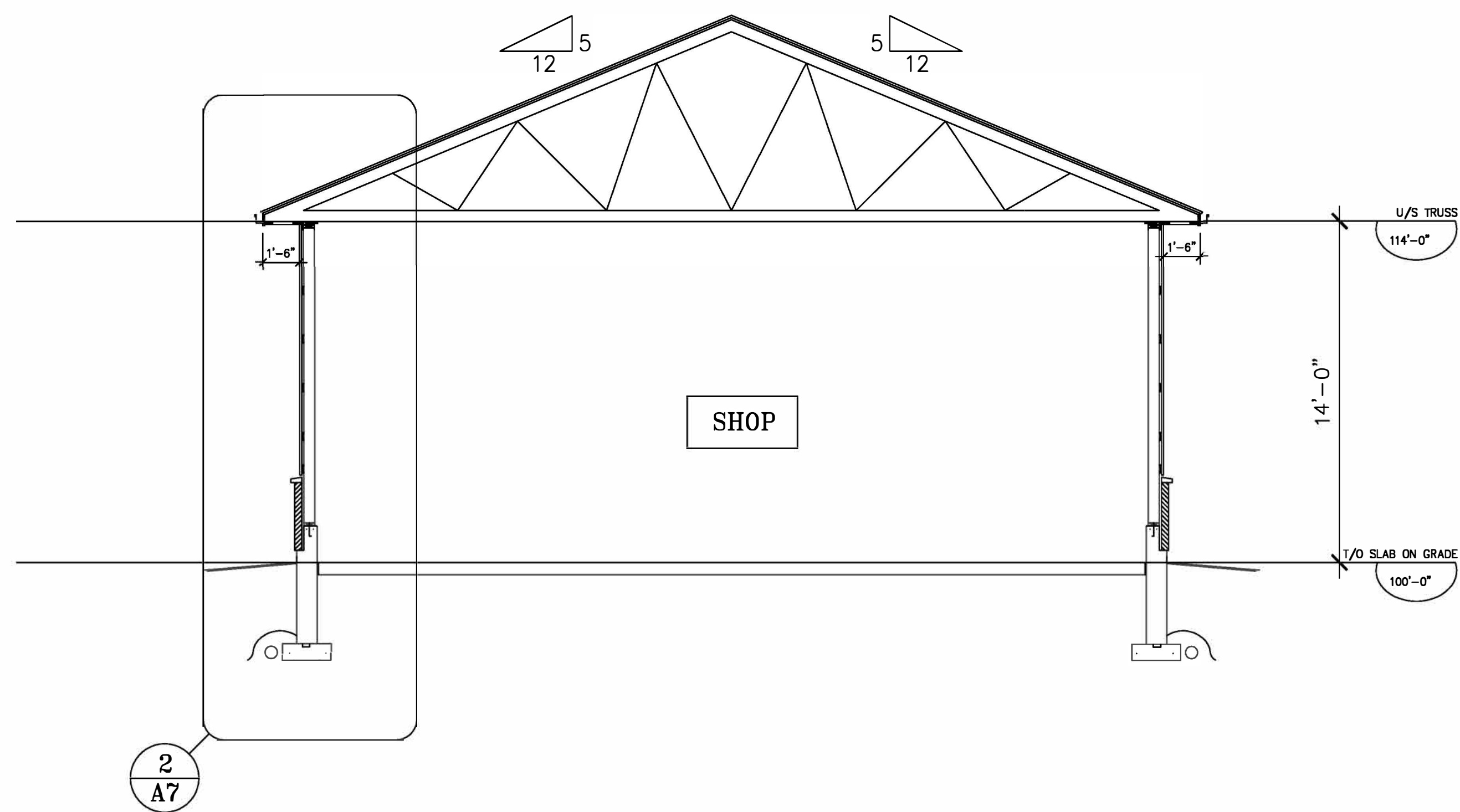
FOUNDATION PLAN  
GROUND FLOOR

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

PROJECT No:  
P15-003

DRAWING No:  
A1

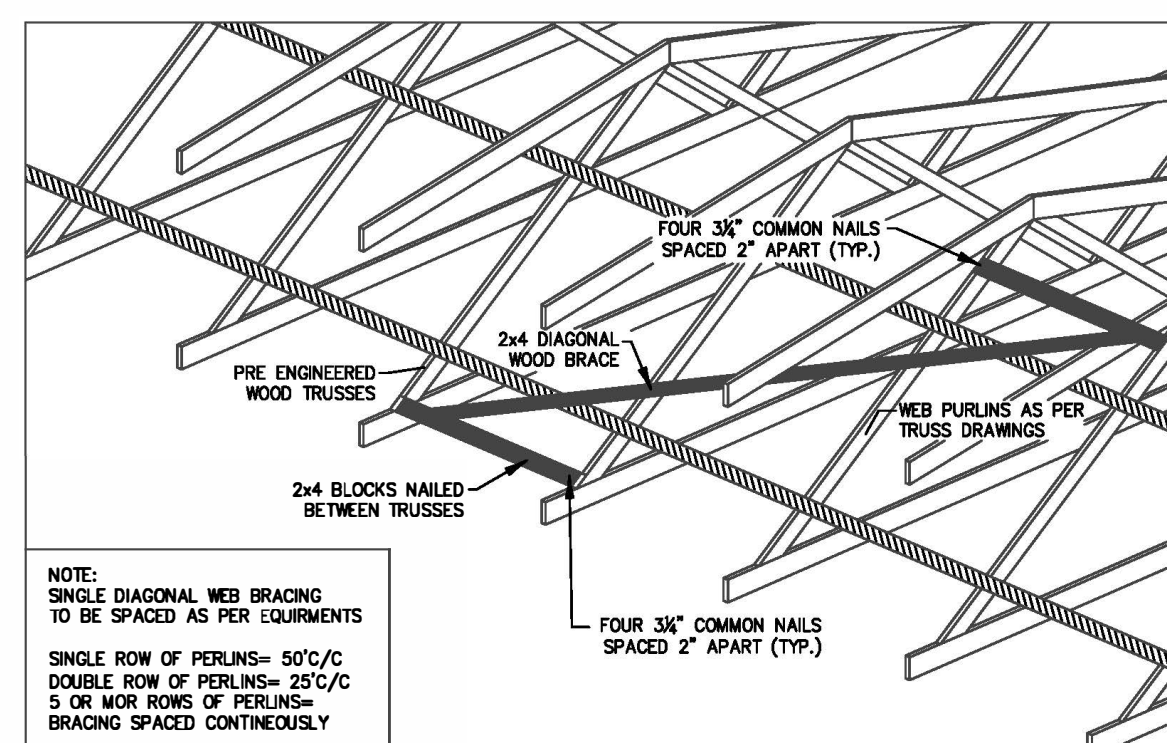




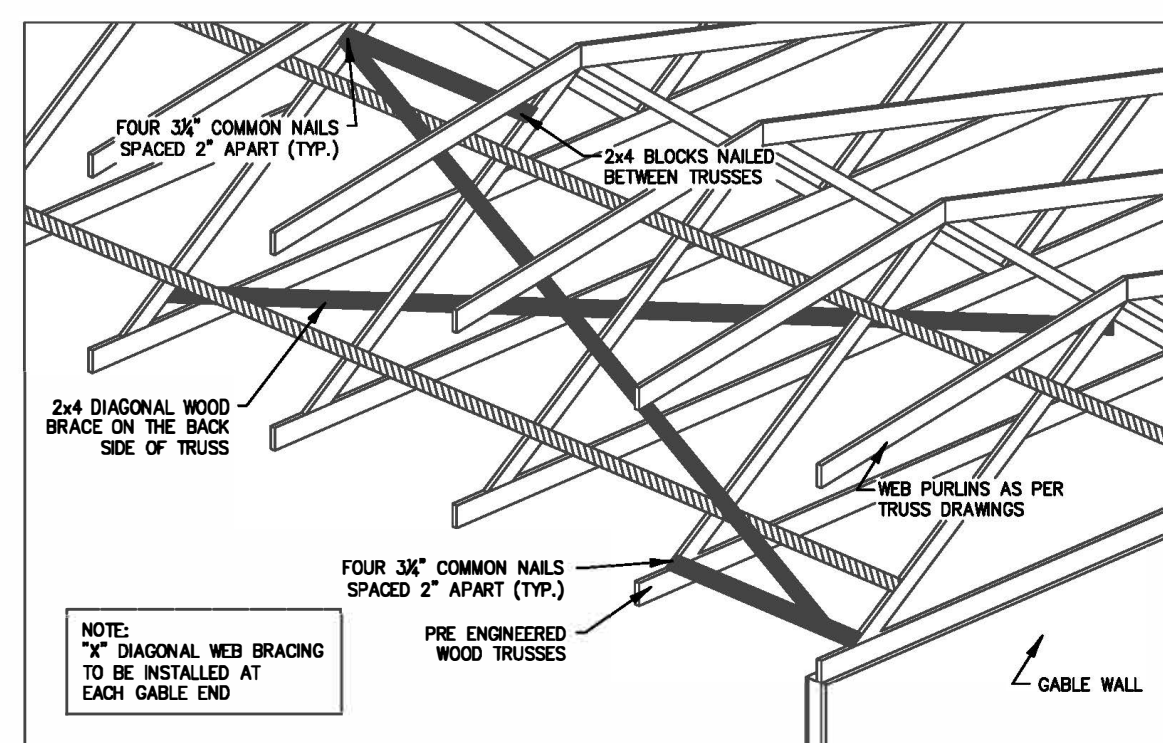
SECTION A-A

SCALE: NTS

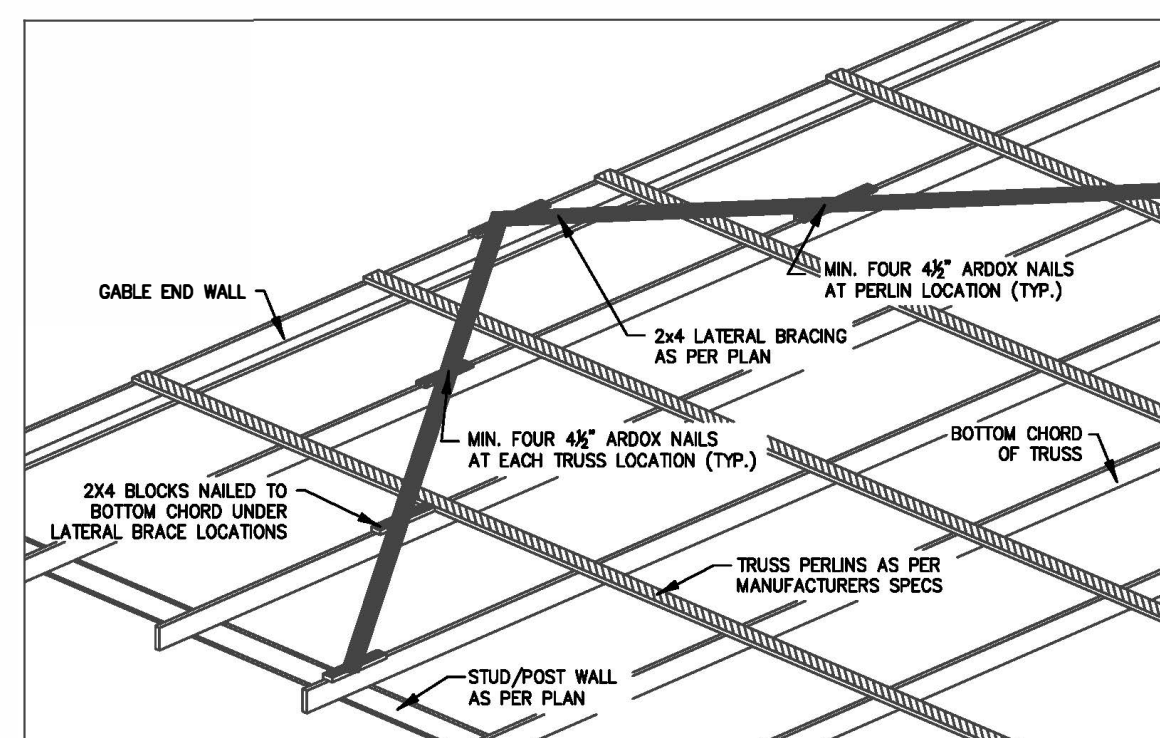
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A7



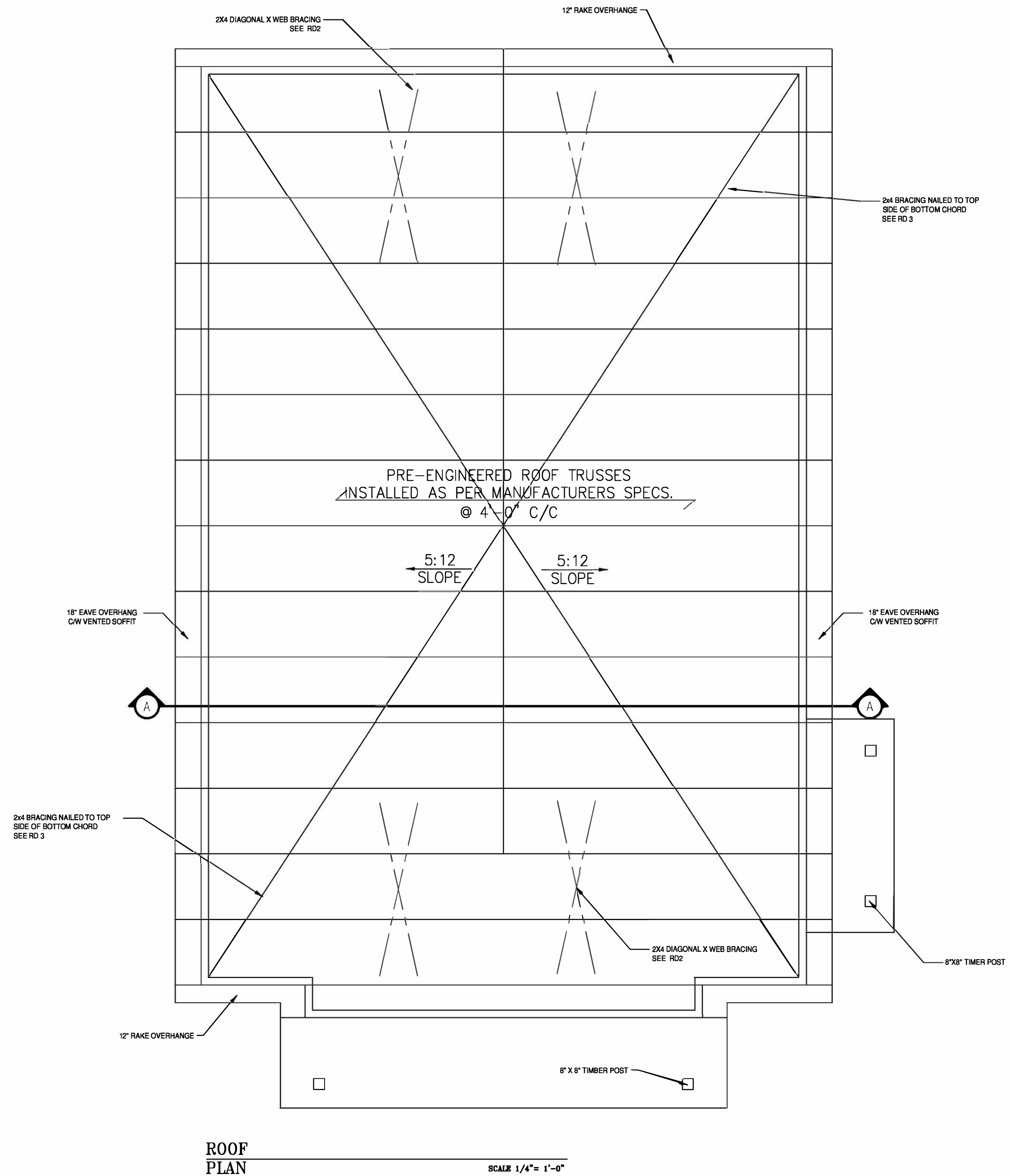
DIAGONAL X WEB BRACING DETAIL RD1



DIAGONAL SINGLE WEB BRACING DETAIL RD2



BOTTOM CHORD BRACING DETAIL RD3



ROOF PLAN

SCALE 1/4" = 1'-0"

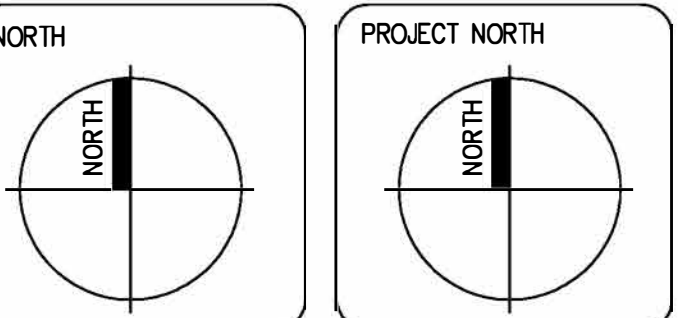
LEGEND:

NOTES:

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 ANY CHANGES, DISCREPANCIES OR SUBSTITUTIONS SHALL BE REPORTED TO AND REVIEWED BY THE ARCHITECT BEFORE PROCEEDING

No.	REVISIONS	DATE	BY

PROPOSAL:  REVIEW  PERMIT  TENDER



MUNICIPALITY ADDRESS:

273 7th CONC. RD.  
HARLEY, ON

PROJECT NAME:

SHOP

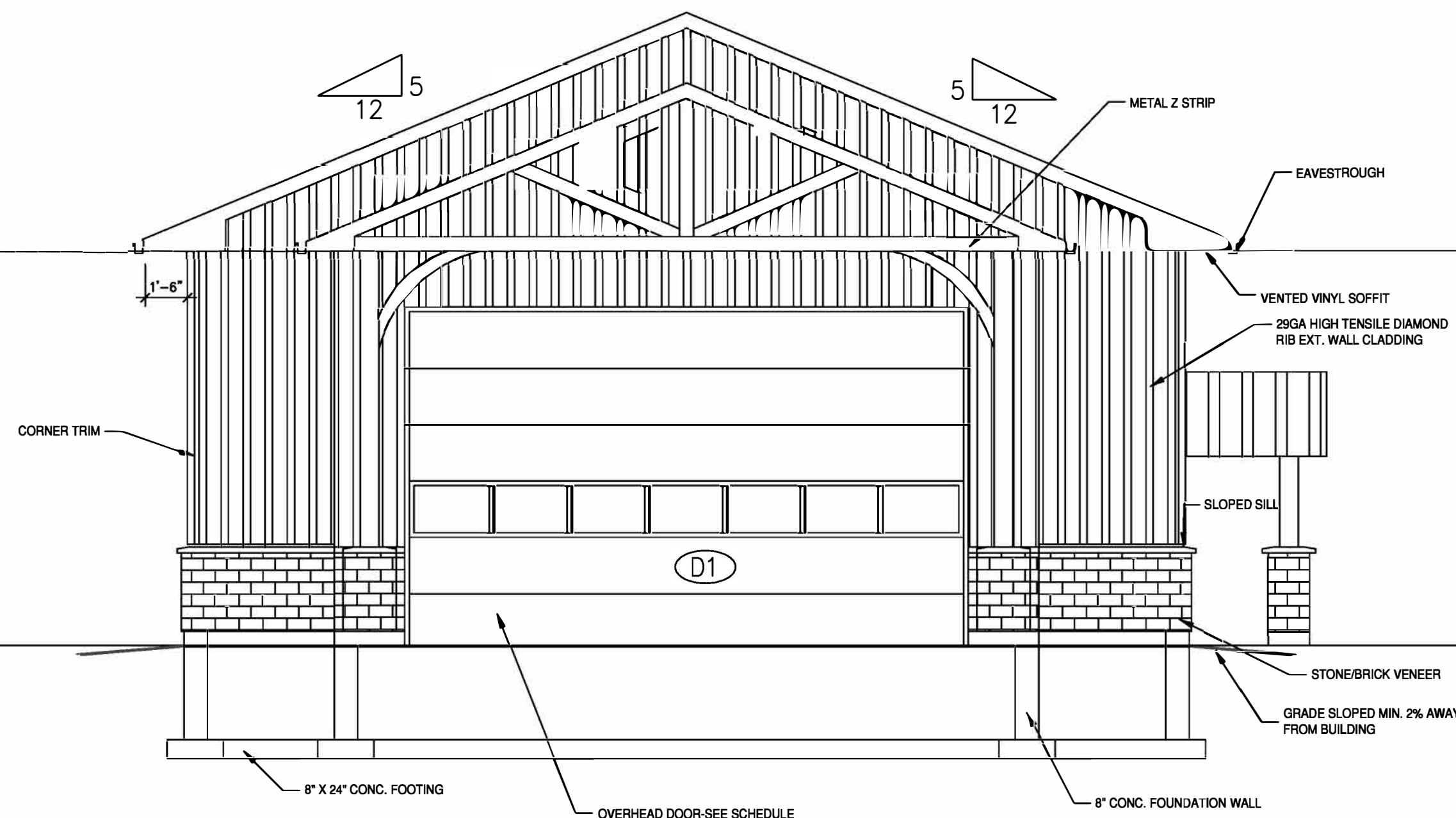
DRAWING TITLE:

ROOF PLAN  
BUILDING SECTION

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

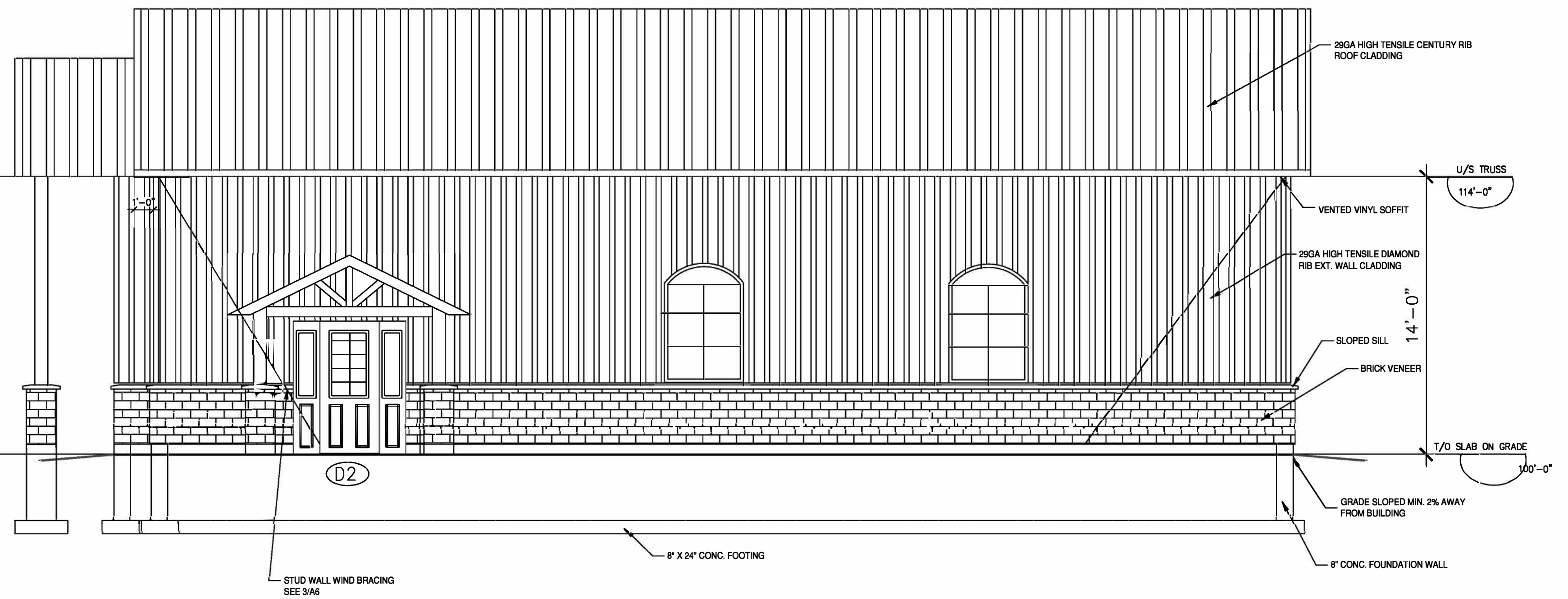
PROJECT No: P15-002

DRAWING No: A2



**SOUTH ELEVATION**

SCALE: NTS

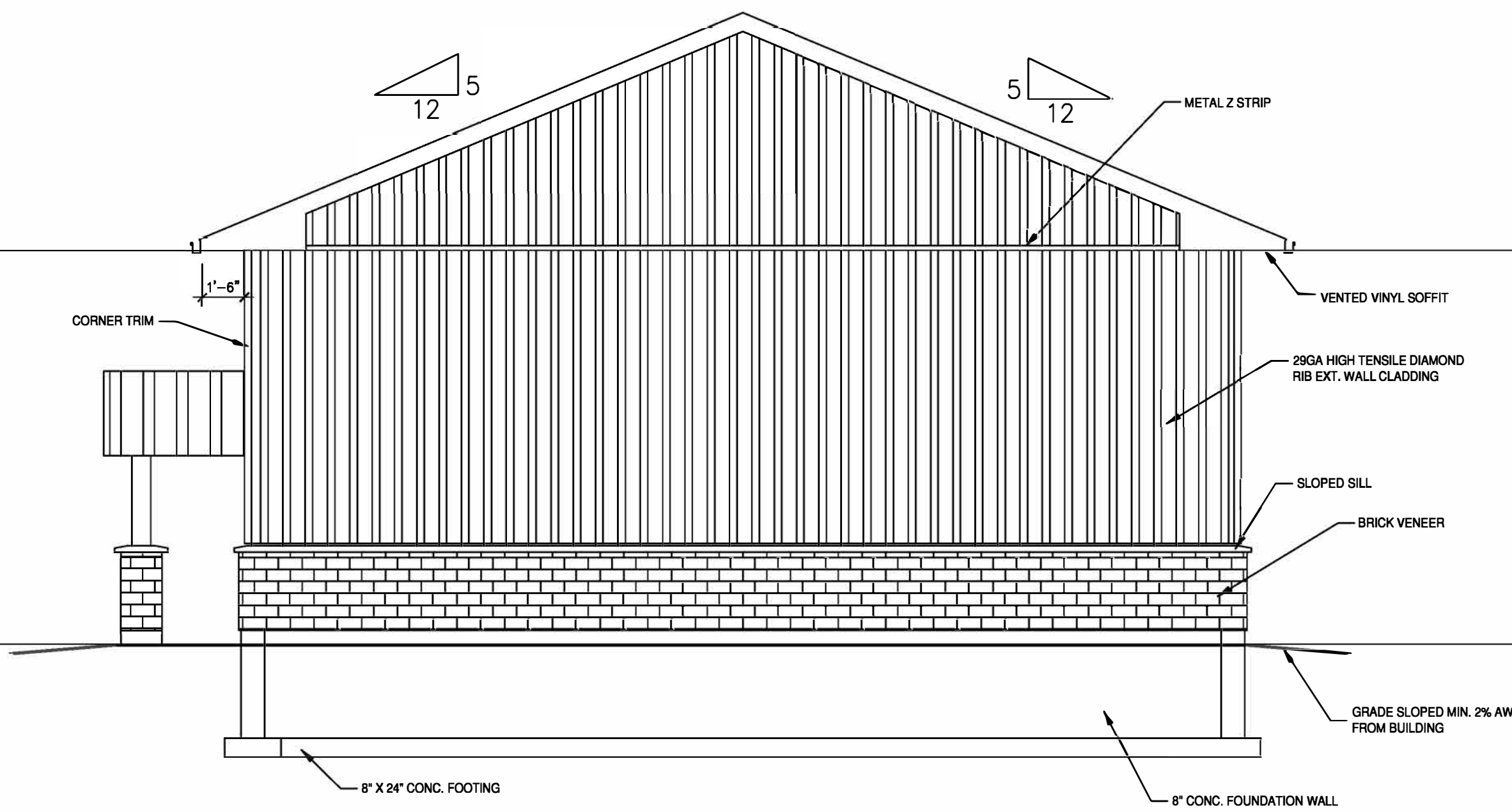


**EAST ELEVATION**

SCALE: NTS

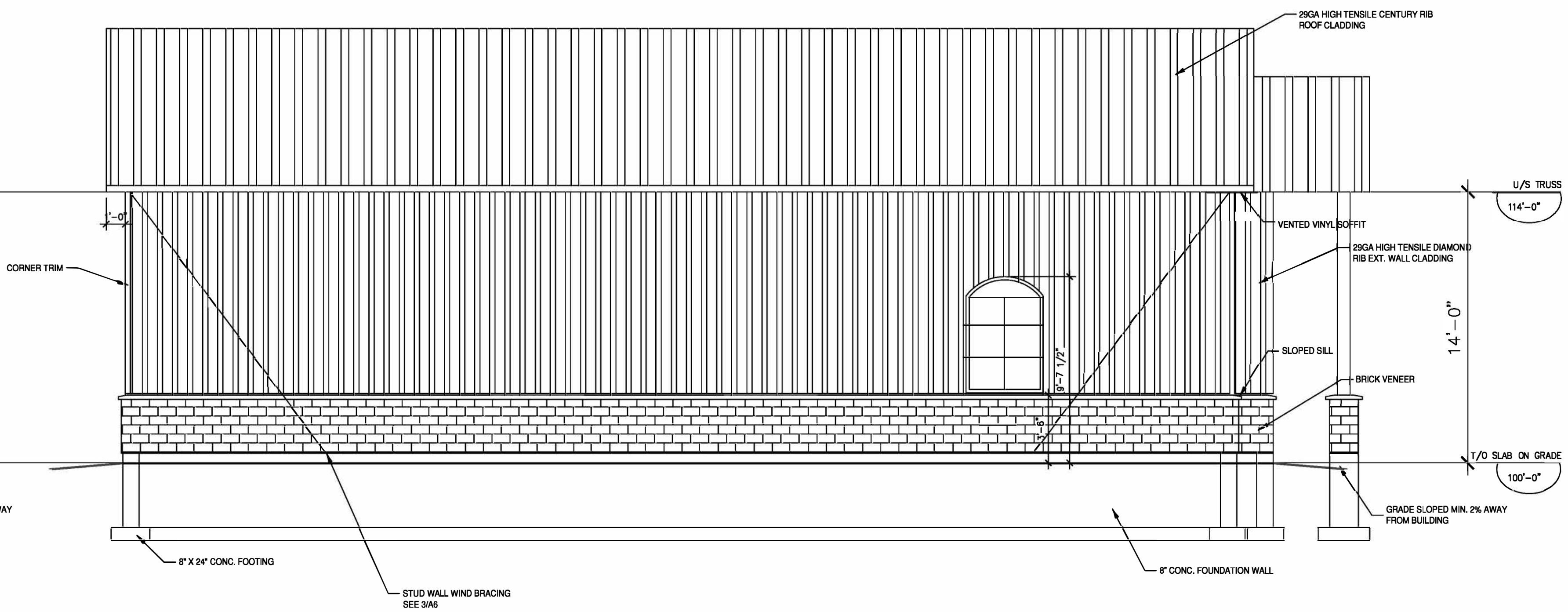
**EXTERIOR COLOR GUIDE**

ROOF: \_\_\_\_\_  
 TRIM, FASCIA, SOFFIT: \_\_\_\_\_  
 CHIMNEY/VENTS: \_\_\_\_\_  
 WALL CLADDING: \_\_\_\_\_



**NORTH ELEVATION**

SCALE: NTS



**WEST ELEVATION**

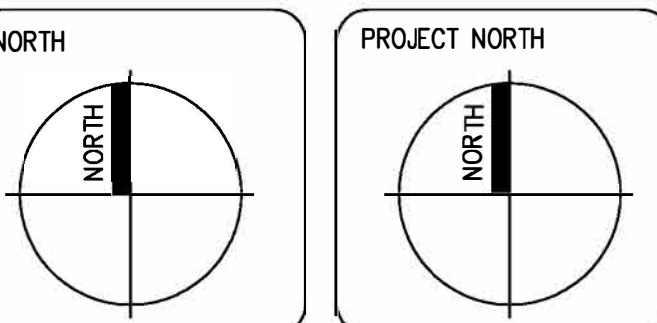
SCALE: NTS

**LEGEND:**

**NOTES:**  
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 -USE FIGURED DIMENSIONS IN PREFERENCE TO SCALING  
 -VERIFY AND CHECK ALL DIMENSIONS PRIOR TO AND DURING CONSTRUCTION  
 -DETERMINE LOCATIONS OF EXISTING SERVICES  
 ANY CHANGES, DISCREPANCIES OR SUBSTITUTIONS SHALL BE REPORTED TO AND REVIEWED BY THE ARCHITECT BEFORE PROCEEDING

No.	REVISIONS	DATE	BY

PROPOSAL:  REVIEW:  PERMIT:  TENDER:



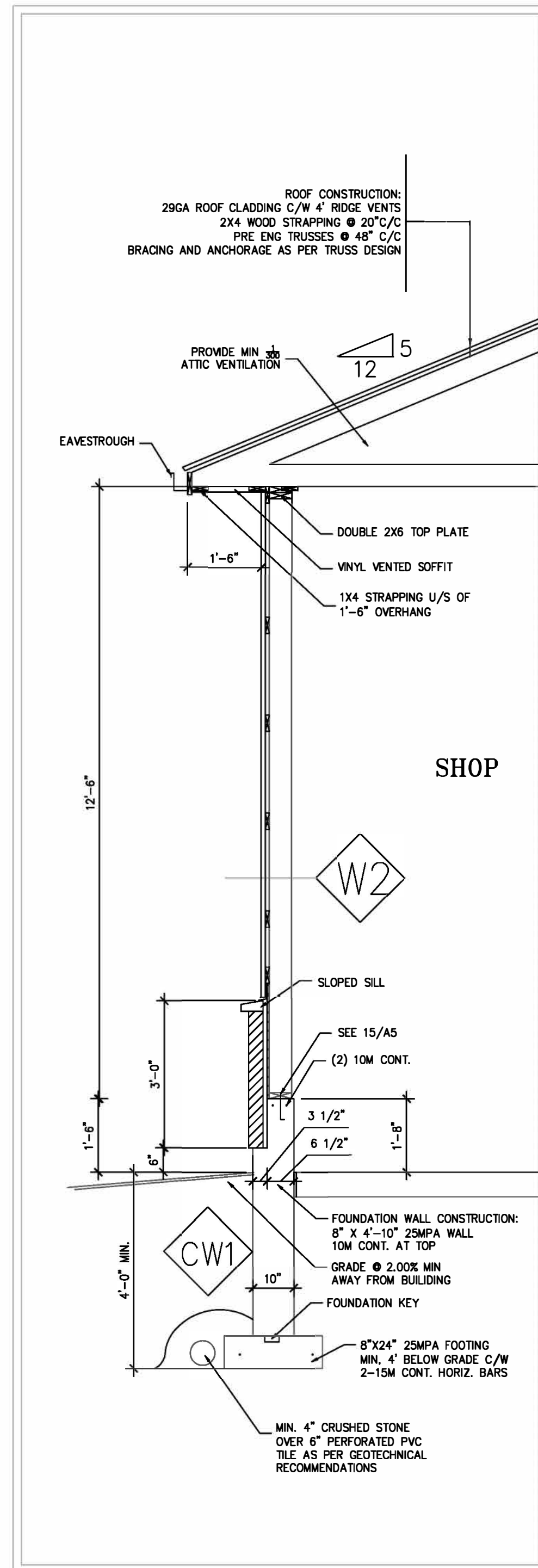
MUNICIPALITY ADDRESS:  
 273 7th CONC. RD.  
 HARLEY, ON

PROJECT NAME:  
 SHOP

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

PROJECT No: P15-002  
 DRAWING No: A3



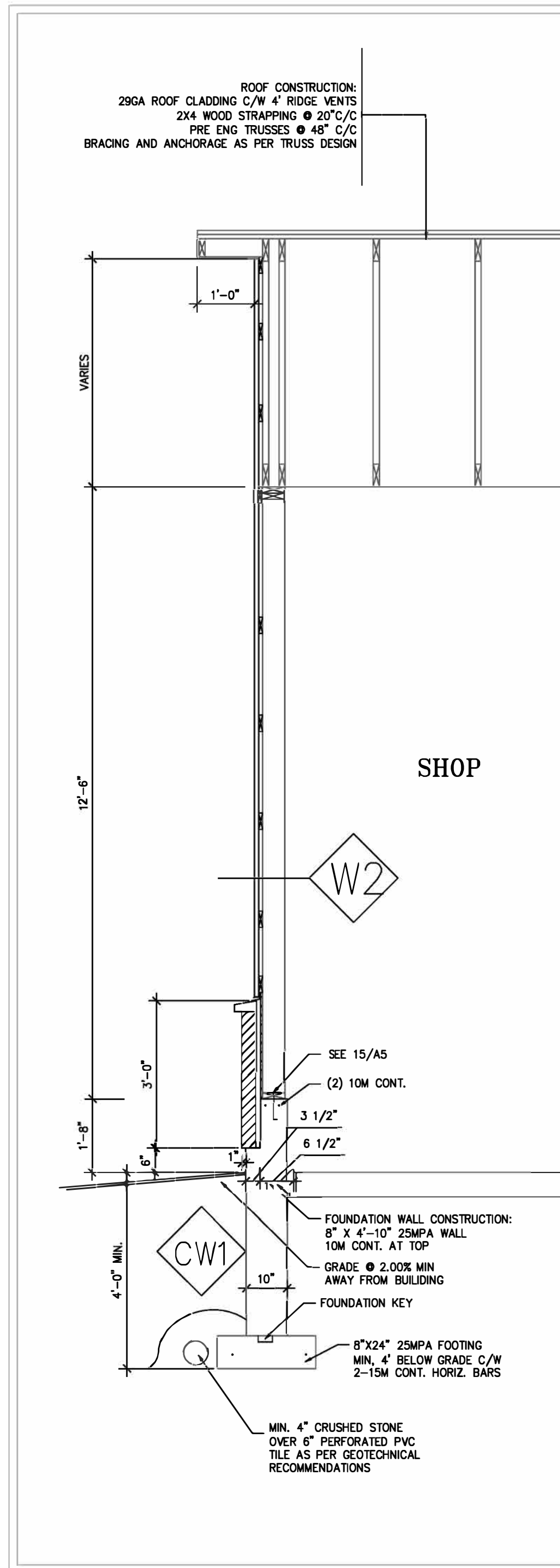


SIDE WALL SECTION

1/2" = 1'-0"

1

A4



FRONT/REAR WALL SECTION

1/2" = 1'-0"

2

A4

DOOR SCHEDULE

QUAN.	UNIT FRAME SIZE (WXH)	DOOR TYPE	LOCATION
1	20'-0" X 12'-0"	CHAIN OPERATED O.H DOOR W/ WNDWS AS SHOWN-INSUL.	D1
1	36" X 80"	HINGED SINGLE W/ HALF WINDOW-INSUL.	D2

WINDOW SCHEDULE

ALL WNDWS: VINYL, LOW E, ARGON GAS

QUAN.	UNIT FRAME SIZE (WXH)	WINDOW TYPE	LOCATION
3	58" X 69"	DOUBLE CASEMENT	

LEGEND:

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NORTH PROJECT NORTH

MUNICIPALITY ADDRESS:

273 7th CONC. RD.  
HARLEY, ON

PROJECT NAME:

SHOP

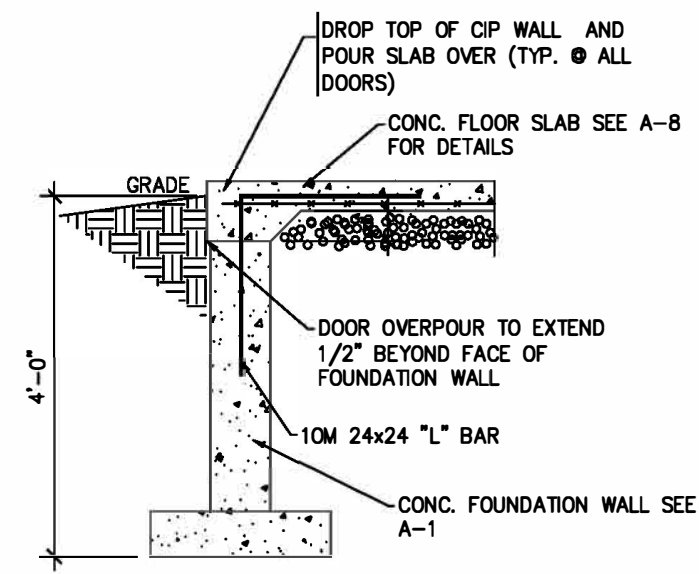
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WALL SECTIONS  
SCHEDULES

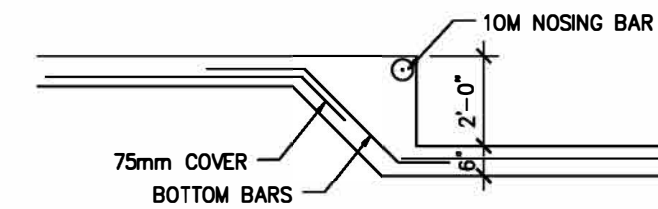
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PROJECT No:  
P15-003

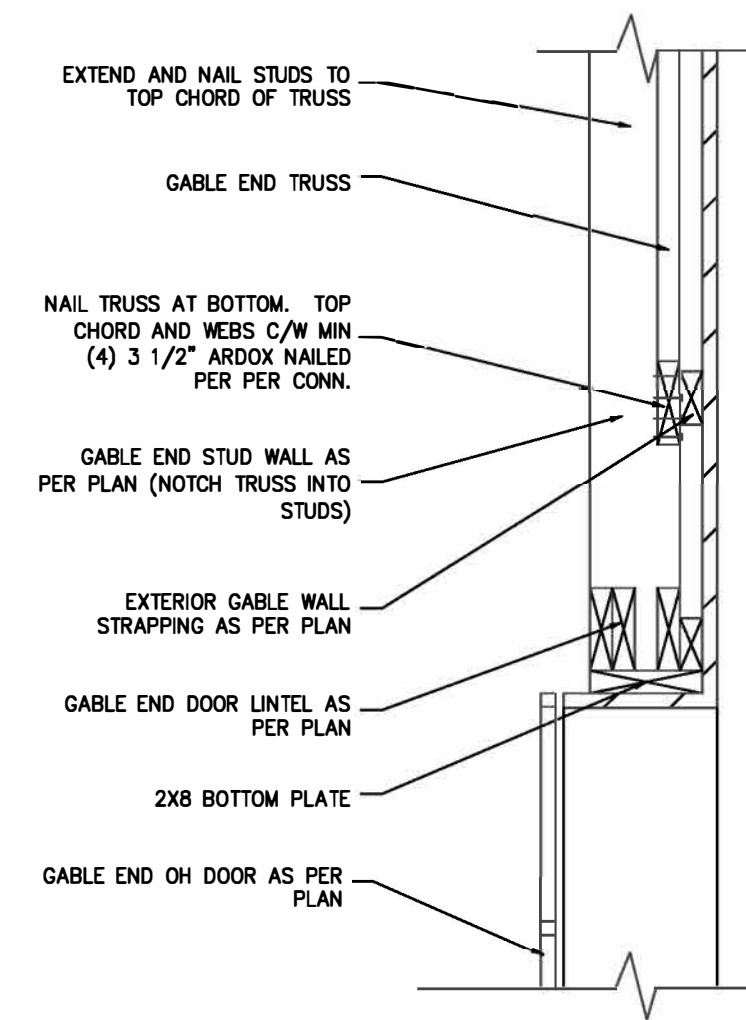
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A4



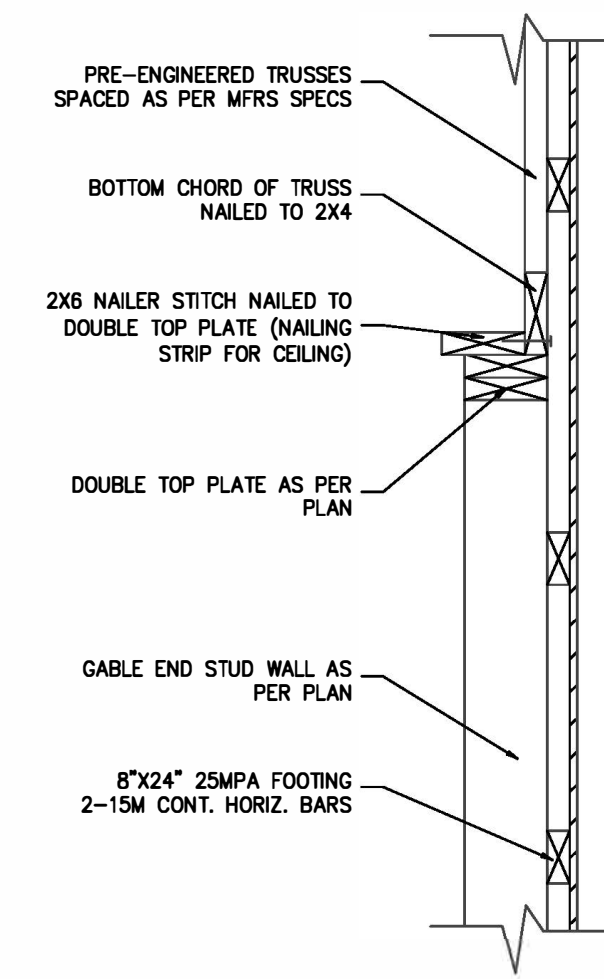
DOOR BUCK  
1/2"=1'-0" **7**  
A5



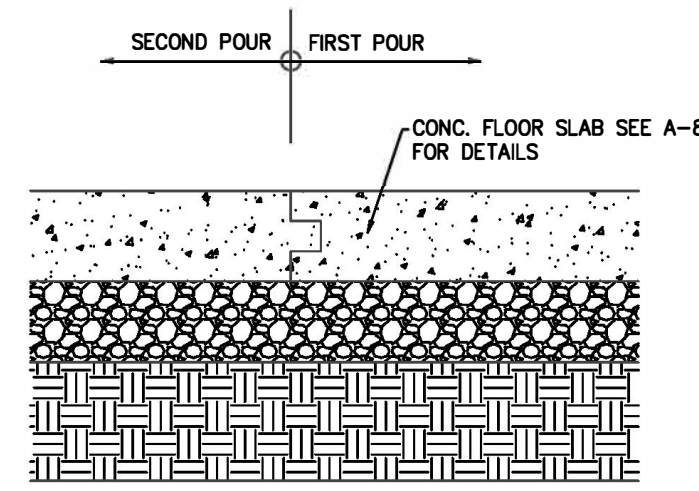
STEP FTG  
1/2"=1'-0" **8**  
A5



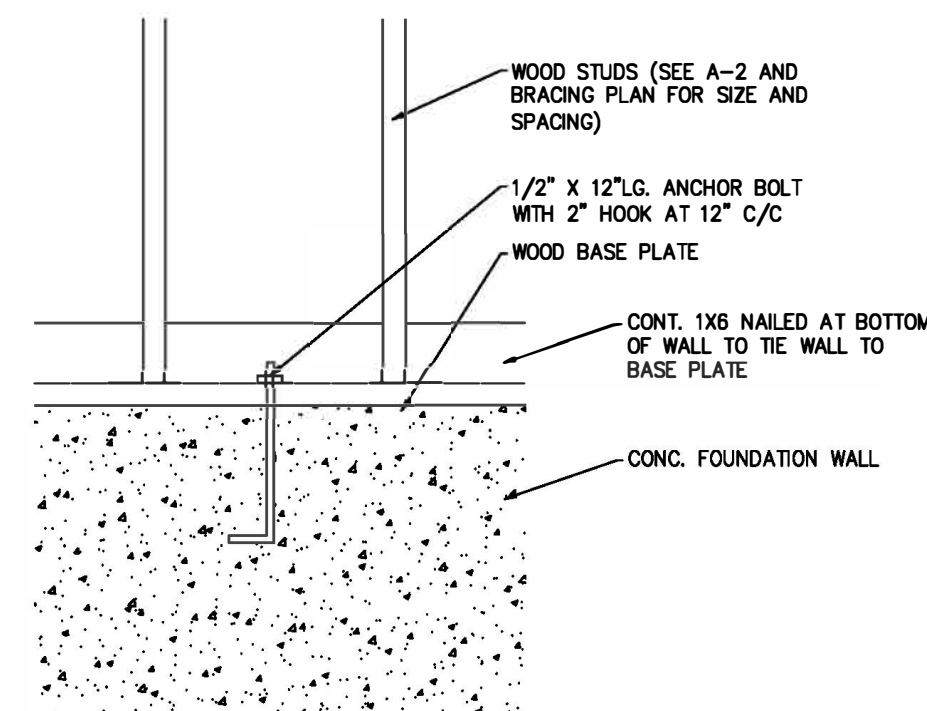
GABLE END OPENING TRUSS  
CONN. DETAIL  
1/2"=1'-0" **12**  
A5



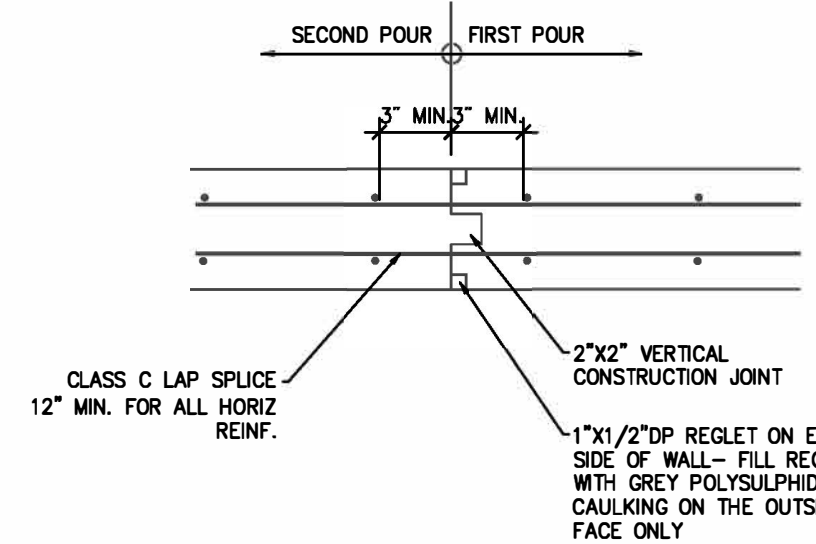
GABLE END TRUSS CONN. DETAIL  
1/2"=1'-0" **13**  
A5



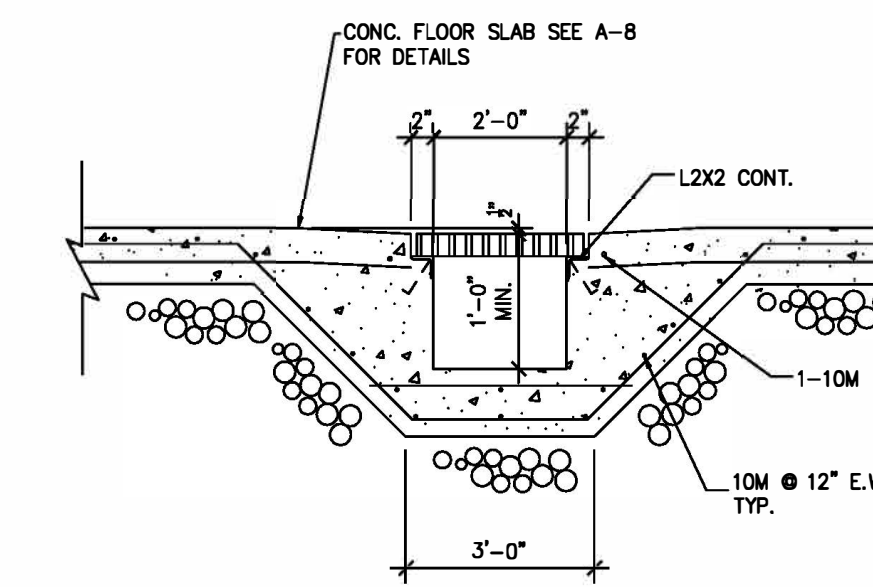
DETAIL 14  
1/2"=1'-0" **14**  
A5



DETAIL 15  
1/2"=1'-0" **15**  
A5



DETAIL 16  
1/2"=1'-0" **16**  
A5



**19**  
1/2"=1'-0" A5

LEGEND:

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NORTH PROJECT NORTH

MUNICIPALITY ADDRESS:

273 7th CONC. RD.  
HARLEY, ON

PROJECT NAME:

SHOP

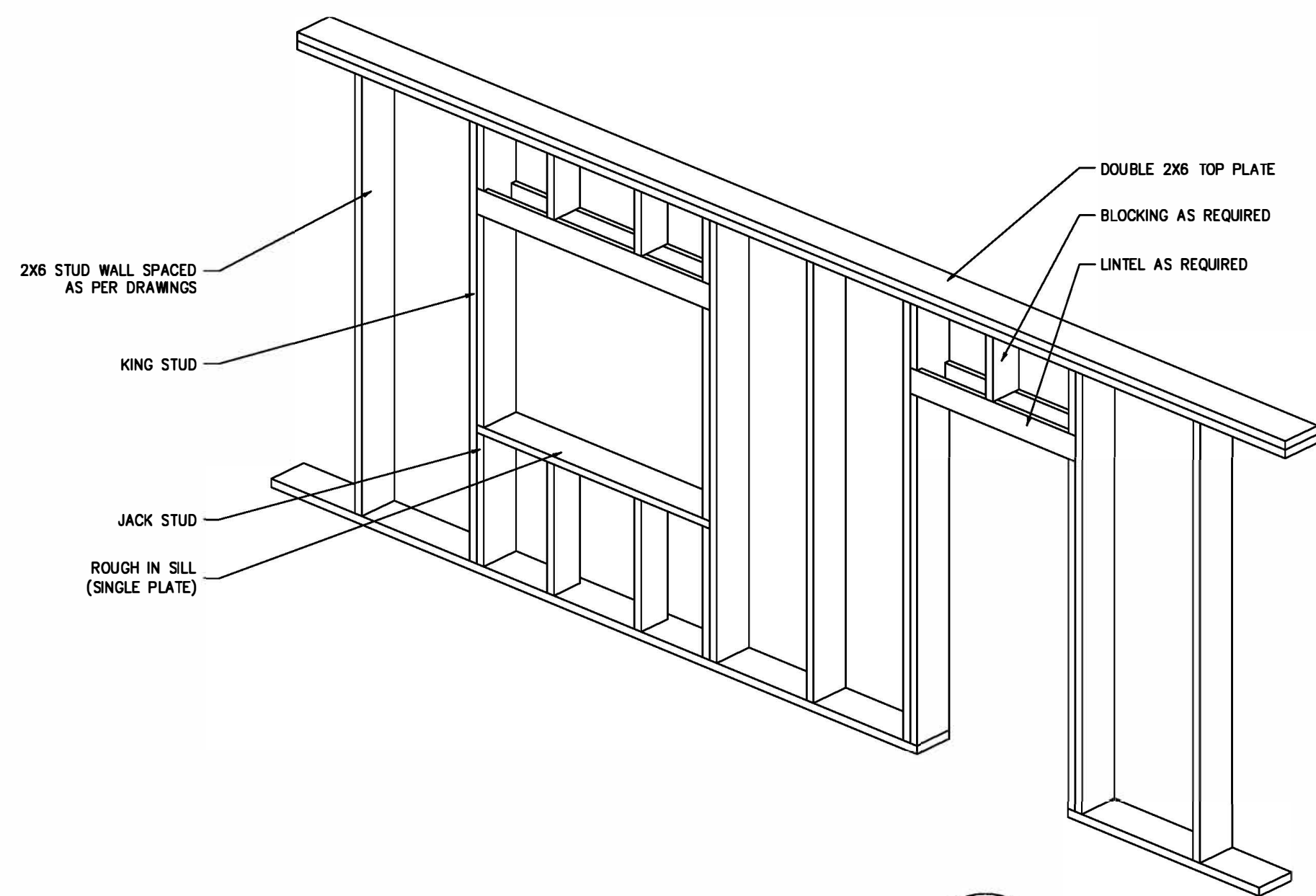
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DETAILS

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

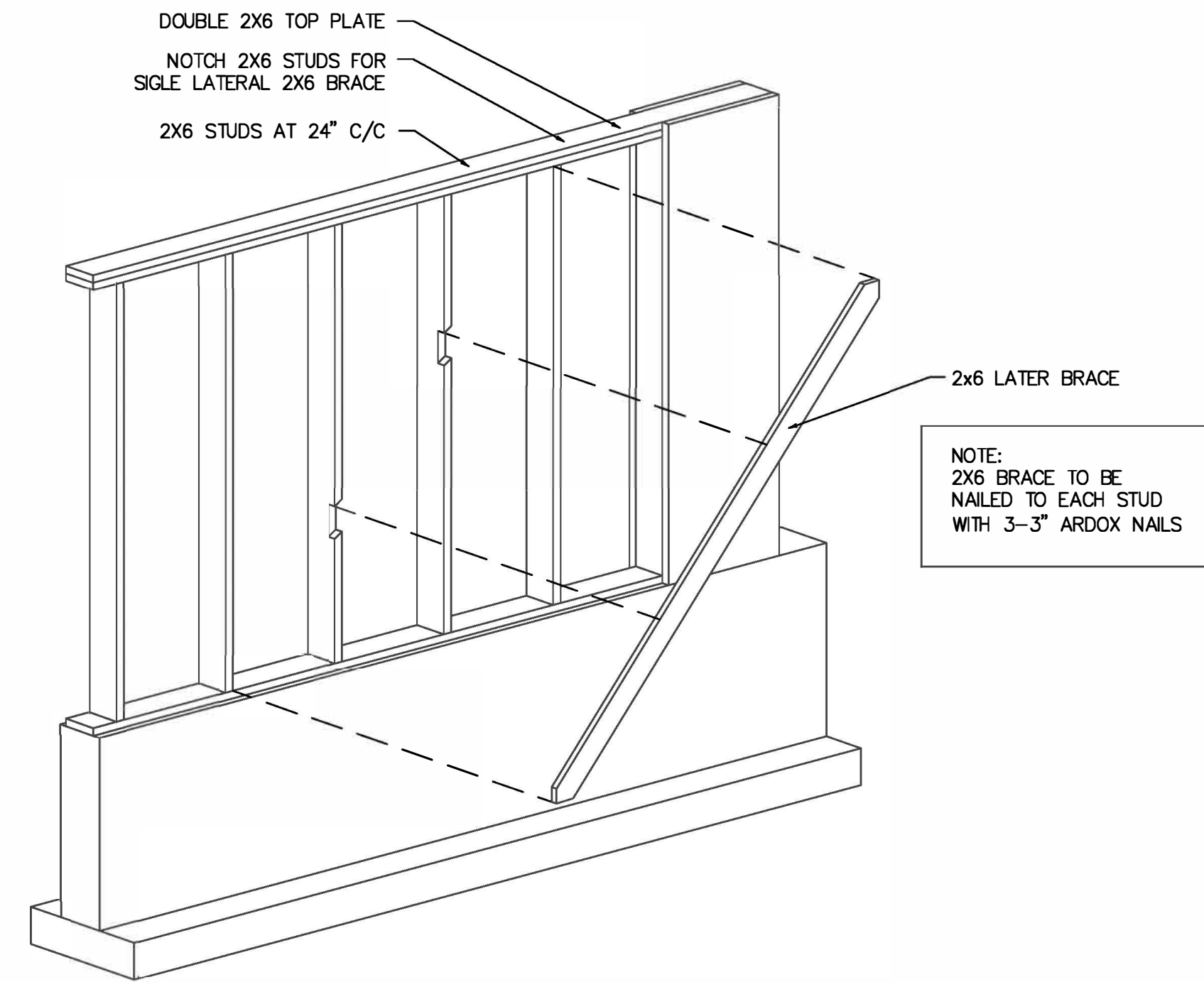
PROJECT No: P15-003 DRAWING No: A5





**TYPICAL LINTEL REQUIREMENTS**  
 1/2"=1'-0" 1  
A6

NON-LOADBEARING WALL LINTEL SCHEDULE	
DOOR/WINDOW OPENING SIZE	LINTEL SIZE
UP TO 4'-0"	2 PLY 2X4
4'-0" TO 6'-0"	2 PLY 2X6
6'-0" TO 8'-0"	2 PLY 2X8
8'-0" TO 10"	2 PLY 2X10
10'-0" TO 12'-0"	2 PLY 2X12



**STUD WALL WIND BRACING**  
 1/2"=1'-0" 3  
A6

**FLOOR THICKNESS CHART:**

MINIMUM FLOOR THICKNESS AS SHOWN IN TABE BELOW, UNLESS OTHERWISE NOTED

AREA DESCRIPTION	MIN. REQ'D THICKNESS	REINFORCEMENT
STORAGE/WASH/FEED/BIRDS	4"	6X6 #6 WIRE MESH OR FIBRE

**FRAMING BRACES AND TRUSSES**

- ALL LUMBER TO BE SPF NO. 2 OR BETTER, UNLESS OTHERWISE NOTED
- LUMBER IN CONTACT WITH EARTH CONCRETE OR EXPOSED TO WEATHER ELEMENTS TO BE PRESSURE TREATED IN ACCORDANCE WITH CAN/CSA-080-M87
- ALL CONNECTIONS USED FOR ACQ OR CA TREATED WOOD SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A15.3
- TRUSS DRAWINGS SHALL DETAIL THE TRUSS SIZE, SHAPE AND DESIGN AND SHALL BEAR THE STAMP AND SIGNATURE OF THE ENGINEER RESPONSABLE
- TRUSSES TO BE PRE MANUFACTURED TO TRUSS MANUFACTURERS ENGINEERED SHOP DETAILS C/W ALL BLOCKING AND BRACING TO TRUSS MANUFACTURERS REQUIREMENTS
- ENGINEER STAMPED TRUSS PLANS TO BE SUPPLIED TO THE ENGINEER BEFORE TIME OF TRUSS ERECTION
- UNBALANCED LOAD CONDITIONS TO BE INCLUDED IN THE TRUSS DESIGN
- TRUSS DESIGNER TO DESIGN FOR INCREASED SNOW LOADS DUE TO ROOF VALLEYS AND SNOW SHADOWS. TRUSS DESIGNER IS TO VISIT THE SITE TO DETERMINE SNOW SHADOW CONDITIONS AND COMMUNICATE THIS INFORMATION TO THE TRUSS ENGINEER
- TRUSSES TO BE DESIGNED AS FOLLOWS: AGRICULTURAL LOW HUMAN OCCUPANCY S<sub>s</sub>=2.6kPa S<sub>r</sub>=0.4kPa q<sub>10</sub>=0.35kPa SNOW LOAD FACTORS C<sub>s</sub>=0.8 C<sub>w</sub>=1.0 C<sub>e</sub>=1.17 C<sub>s</sub>=0.78 TOP CHORD DEAD LOAD=4PSF BOTTOM CHORD DEAD LOAD=7PSF
- ADDITIONAL LOADS REQUIRED FOR MECHANICAL OR OTHER EQUIPMENT TO BE PROVIDED TO THE TRUSS ENGINEER BY THE CONTRACTOR AND OR OWNER
- TEMPORARY BRACING OF THE STRUCTURE DURING THE COURSE OF CONSTRUCTION IS THE RESPONSABILITY OF THE CONTRACTOR UNLESS OTHERWISE NOTED
- PROVIDE ACCESS TO EACH ATTIC SPACE AS PER OBC 3.6.4.4 AND 9.19.2

**GENERAL NOTES**

- THIS BUILDING IS DESIGNATED AGRICULTURAL, LOW HUMAN OCCUPANCY
- ALL WORK SHALL COMPLY WITH THE ONTARIO BUILDING CODE AND NATIONAL FARM BUILDING CODE, LATEST EDITIONS
- THESE PLANS ARE FOR STRUCTURAL DESIGN ONLY. IT IS THE RESPONSABILITY OF THE OWNER/CONTRACTOR TO COORDINATE THE DESIGN WITH RESPECT TO PLUMBING, ELECTRICAL, MECHANICAL, VENTILATION, PENNING, DRAINAGE AND SITE PREPARATION/GRADING
- ALL INTERIOR STABLING AND RELATED CONCRETE WORK SHOWN INCLUDING STRIP FOOTINGS, CURBS, FLOOR SLOPES AND FLOOR SYSTEMS IS THE RESPONSABILITY OF THE OWNER, CONTRACTOR AND EQUIPMENT SUPPLIER
- THESE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY THE CLIENT. IF DRAWINGS ARE NOT REFLECTIVE OF EXISTING CONDITIONS, THE ENGINEER IS TO BE CONTACTED IMMEDIATELY
- WHEN IN DOUBT AS TO THE INTERPRETATION OF THE DRAWINGS THE ENGINEER IS TO BE CONTACTED
- THIS DRAWING SET IS THE PROPERTY OF BENJAMIN AND JEREMIAS HAEMMERLI AND MAY NOT BE DUPLICATED OR SHARED IN ANY FORM WITHOUT THE WRITTEN CONSENT FROM THE WRITFULL OWNER

**CONCRETE**

- CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFIRM TO CSA CA3-23.1-04 AND CAN3-23.2-04
- ALL REINFORCING SHALL BE DEFORMED AS DEFINED IN CSA G30 18-M 1992
- MINIMUM RADIUS FOR BENT REBAR IS 60MM FOR 10M REBAR AND 90MM FOR 15M REBAR
- OVERLAP REBAR 24" FOR REBAR IN CONTINEOUS REBAR LENGTHS
- WHERE REBAR JOINS AT A CORNER PROVIDE CORNER BARS 24" EACH WAY
- REINFORCEMENT IS TO BE LOCATED IN THE CENTER OF THE WALL EXCEPT WHERE OTHERWISE NOTED
- MINIMUM CONCRETE COVERAGE TO REINFORCEMENT IN FOOTINGS SHALL NOT BE LESS THAN 3" FROM SOIL/FILL BELOW
- MINIMUM CONCRETE COVERAGE TO REINFORCEMENT FOR ALL OTHER STRUCTURAL COMPONENTS SHALL NOT BE LESS THAN 2"
- ALL CONCRETE TO HAVE A MAXIMUM 4" SLUMP. WHERE INCREASED WORKABILITY IS REQUIRED, PLASTICIZER IS TO BE ADDED. WATER IS NOT TO BE ADDED ONSITE
- ALL STRUCTURAL CONCRETE AND CONC RETE EXPOSED TO FREEZE/THAW TO BE 6% AIR ENTRAINED
- WHERE APPROPRAITE USE VIBRATION EQUIPMENT TO PLACE CONCRETE
- ADEQUATE PROTECTION FROM FREEZING MUST BE PROVIDE TO POURED CONCRETE DURING COLD WEATHER PLACEMENT
- ALL SLEEVES TO BE LOCATED BY ELECTRICAL AND MECHANICAL CONTRACTOR DESIGNERS PRIOR TO POURING CONCRETE
- ALL CONCRETE TO BE POURED TO CLASS OF CONCRETE SPECIFIED ON CONTRACT DRAWINGS. ALL CONCRETE COMPONENTS NOT SPECIFIED TO BE CLASSED A-4. SEE FOLLOWING FOR CONCRETE CLASS SPECIFICATIONS

CLASS OF CONCRETE	MAX W/CM	MIN. 28 DAY STRENGTH
A-1	0.40	35 MPa
A-2	0.45	32 MPa
A-3	0.50	30 MPa
A-4	0.55	25 MPa

**EXCAVATION AND BACKFILL**

- ALL TOPSOIL AND OTHER FOREIGN MATERIAL IS TO BE REMOVED FROM BELOW THE BUILDING
- FOUNDATIONS HAVE BEEN DESIGNED FOR A SOIL BEARING CAPACITY OF 3000PSF
- SHOULD UNUSUALLY SOFT SOILS BE ENCOUNTERED DURING EXCAVATION, NOTIFY THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. CONTRACTOR MUST NOTIFY THE ENGINEER WITH ANY CONCERNS WITH REGARD TO BUT NOT LIMITED TO SOIL BEARING CAPACITY, SLOPE STABILITY GROUND WATER OR DRAINAGE
- GRANULAR FILL UNDER FOOTINGS TO BE FREE DRAINING CLEAN GRANULAR B MATERIAL OR BETTER, COMPACTED TO A MINIMUM 98% STANDARD PROECTOR DENSITY AT OPTIMUM MOISTURE
- ANY OTHER FILL MATERIAL USED IS THE BE INSPECTED AND APPROVED BY A QUALIFIED GEOTECHNICAL PROFESSIONAL WITH A REPORT SUBMITTED TO THE ENGINEER
- ALL BACKFILL MATERIAL TO BE FREE DRAINING CLEAN GRANULAR MATERIAL IF STABILITY OF BACKFILL MATERIAL IS QUESTIONABLE THE PROJECT ENGINEER IS TO BE CONTACTED IMMEDIATELY
- ALL FOOTINGS TO HAVE A MINIMUM OF 48" OR MORE OF COVER FROM FROST PROTECTION.
- FINAL GRADING TO SLOPE AWAY FROM BUILDING

**GENERAL REVIEW**

- IT IS THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO CONTACT THE MUNICIPALITY FOR INSPECTIONS PERFORMED BY THE LOCAL BUILDING DEPARTMENT
- AS PER OBC DIVISION C1.2.2.1 THE OWNER/CONTRACTOR MUST RETAIN THE SERVICES OF A PROFESSIONAL ENGINEE TO PERFORM A GENERAL REVIEW TO ENSURE THAT THE CONSTRUCTION IS IN GENERAL CONFORMANCE WITH THE PLANS
- THE ENGINEER REQUIRES THAT THE OLOWING COMPONENTS BE INSPECTED:  
 SOIL CONDITIONS:  
 WHEN THE SITE HAS BEEN COMPLETELY PREPARE FOR CONSTRUCTION. THE ENGINEER MUST BE NOTIFIED TO PROVIDE AN INSPECTION OF THE SOIL CONDITIONS WHERE A GEOTECHNICAL TEST HAS BEEN COMPLETED. THE OWNER/CONTRACTOR MUST CONTACT THE GEOTECHNICAL ENGINEER TO PERFORM THE SOIL INSPECTION. A COPY OF THE GEOTECHNICAL SITE INVESTIGATION REPORT MUST BE FORWARDED TO THE ENGINEER  
 TRANSFER SYSTEM:  
 WHEN ALL COMPONENTS OF THE TRANSFER SYSTEM ARE INSTALLED PRIOR TO POURING OR BACKFILLING  
 FOOTINGS:  
 WHEN THE CONCRETE FORMWORK AND REINFORCEMENT STEEL HAVE BEEN SET FOR THE PLACMENT OF FOOTINGS  
 CONCRETE REINFORCEMENT:  
 WHEN THE REINFORCEMENT STEEL HAS BEEN TIED FOR CONCRETE COMPONENTS. NOTE: THAT AS PART OF A GENERAL REVIEW IT IS NOT REASONABLE FOR THE ENGINEER TO REVIEW THE REINFORCEMENT EACH TIME THAT CONCRETE IS POURED. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR PROVIDING THE PROPER REINFORCEMENT AND PLACMENT AS SPECIFIED IN THE ENGINEERED PLANS. FOR COMPONENTS WHICH ARE NOT REVIEWED BY THE ENGINEER  
 COMPLETION OF FRAMING:  
 WHNE THE FACILITY HAS BEEN COMPLETELY FRAMED PRIOR TO INSTALLING INTERIOR OR EXTERIOR SHEATHING THAT WOULD PREVENT A VISUAL INSPECTION OF KEY FRAMING COMPONENTS  
 TRUSSES SET:  
 WHEN THE TRUSSES HAVE BEEN SET AND ALL OF THE PERMANENT TRUSS BRACING INSTALLED AS PER THIRD PART TRUSS DRAWINGS AS WELL AS DRAWINGS PREPARED BY THE ENGINEER  
 FINAL REVIEW:  
 -WHEN ALL STRUCTURAL COMPONENTS OF THE BUILDING HAVE BEEN COMPLETED  
 -THE CLIENT MUST PROVIDE A MINIMUM OF 24 HOURS NOTICE TO THE ENGINEER FOR A REQUIRED INSPECTION  
 -THE CLIENT MUST REQUEST ADDITIONAL INSPECTIONS BE PERFORMED BY THE ENGINEER IF THERE IS ANY CONCERNS ABOUT OR CHANGES TO ANY COMPONENT OF THE FACILITY. FAILURE TO NOTIFY THE ENGINEER IN SUCH SITUATIONS RELEASES THE ENGINEER OF LIABILITY FOR SUCH CHANGES OR COMPONENTS

**LEGEND:**

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 HARLEY, ON

PROJECT NAME:  
 SHOP

DRAWING TITLE:  
 NOTES  
 TYP. DETAILS  
 SCALE: 1/2"=1'-0"

PROJECT No: P15-003  
 DRAWING No: A6