

## **REQUEST FOR PROPOSALS (RFP): STONE CHILD COLLEGE INSTITUTIONAL RESEARCH BUILDING PROJECT**

**Introduction:** Stone Child College, located on the Rocky Boy's Indian Reservation in Rocky Boy Agency, Montana, invites competitive proposals for the construction of the Institutional Research Building Project. This project entails various aspects including excavation, foundation preparation, footings, walls, utility connections, installation of a 500-gallon propane tank, site grading, and final installation inspection. The goal is to establish a well-designed and functional facility that will support the institution's research endeavors.

### **Project Details:**

- **Project Location:** Rocky Boy's Indian Reservation, Rocky Boy Agency, Montana
- **Proposal Submission Deadline:** September 12th, 2023, by 4:30 P.M.
- **Project Completion Deadline:** October 16th, 2023
- **Consultant's Work Initiation:** Wednesday, September 13th, 2023
- **Substantial Completion Date:** Monday, October 2nd, 2023

**Contractor Requirements:** It is advised that Contractors obtain and complete the Chippewa Cree Tribal Employment Rights Ordinance documents and Tribal Business Licensure. Only proposals from Contractors holding valid tribal licenses will be accepted.

**Proposal Submission and Documentation:** Proposals for the Stone Child College Institutional Research Building Project must be submitted by September 12th, 2023, until 4:30 P.M. All proposals **MUST** be submitted in a sealed envelope and have the original signature and date. Proposals should be addressed to:

**Stone Child College Attention:**

**Violetta Shields**

**8294 Upper Box Elder Road**

**Box Elder, MT 59521**

Detailed information, including pre-proposal meeting details, viewing, purchasing, and submission of proposals, as well as information about the Chippewa Cree Tribal Employment Rights Ordinance and Safety Enforcement Act, can be found in the comprehensive Request for Proposals document. This document can be obtained from:

**Northern Engineering & Consulting, Inc.**

**200 North 34th Street**

**Billings, MT 59101**

**Phone: 406-839-2217**

**Email: [info@neciusa.com](mailto:info@neciusa.com)**

**Conclusion:** Stone Child College is committed to executing this project with efficiency and precision. Interested parties are encouraged to submit their proposals in line with the provided schedule and guidelines. We look forward to receiving comprehensive and well-prepared proposals that reflect the professionalism and expertise required for this significant undertaking.

*Issued on: Monday, August 21, 2023*

*Deadline for Proposal Submission: Tuesday, September 12<sup>th</sup> at 4:30 P.M., 2023*

*Review of Proposals: Wednesday, September 13th, 2023*

*Consultant's Work Commencement: Wednesday, September 13th, 2023*

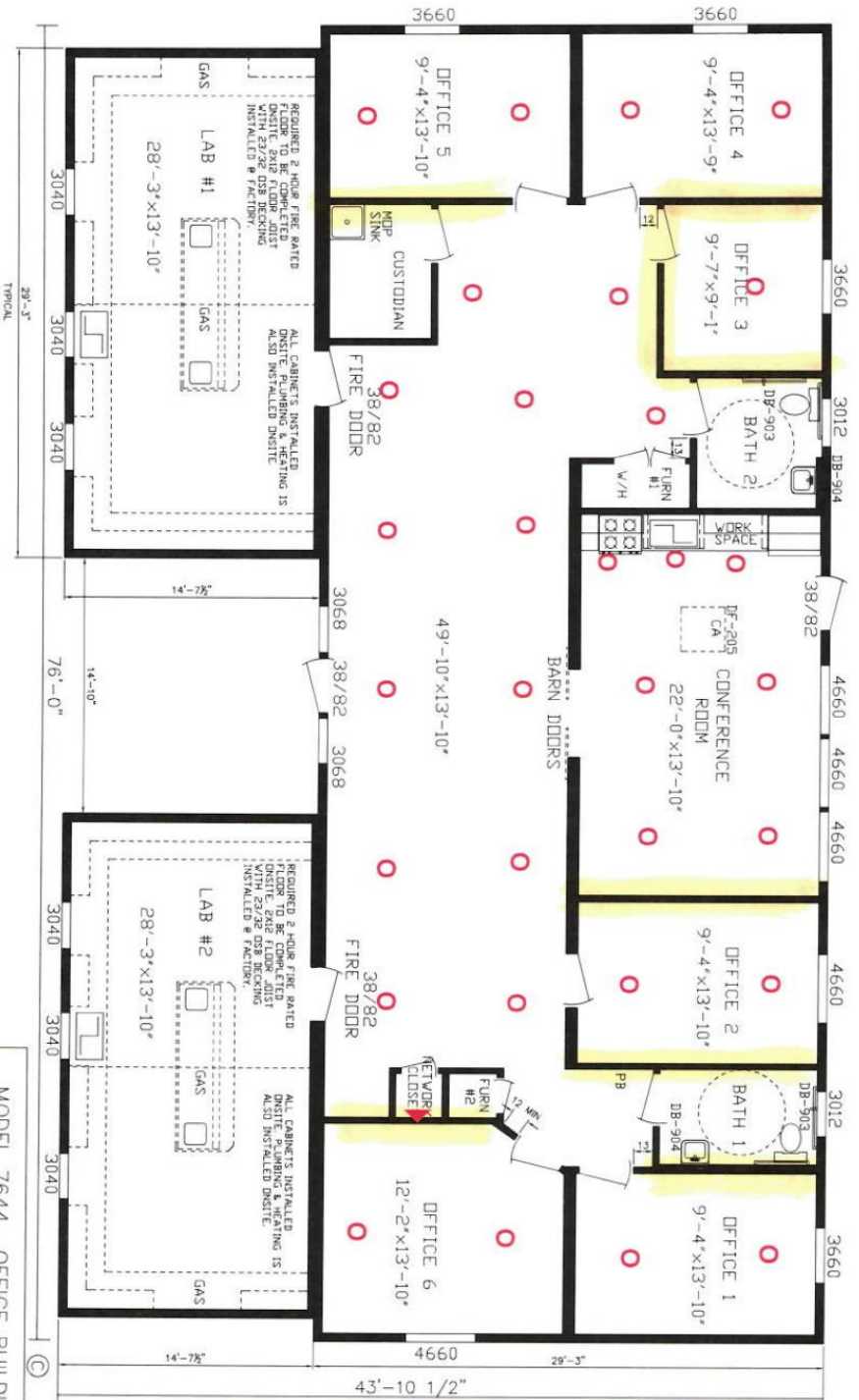
*Substantial Completion Target: Monday, October 2nd, 2023*

11-7-22 - Stone Child College Lab Prelim

4196-2

R-3

Insulated  
O = Can Light  
▲ = Phone Jack



This Product Design Drawing is **ORIGINAL** and is **CUSTOMIZED** from any displays or previous designs and representations. This print is now representative of your project and all other renderings are void.

X \_\_\_\_\_ Date: \_\_\_\_\_ X \_\_\_\_\_ Date: \_\_\_\_\_

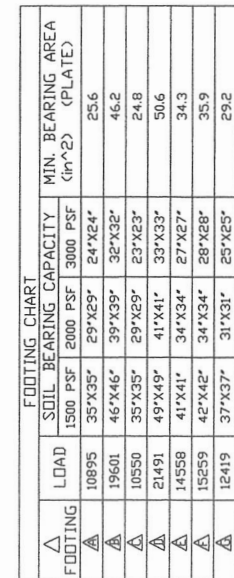
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SCALE: 3/16"=1'-0"	DATE: 11/15/21
TECHNICAL DRAWING BY: DLO	DRAWN BY: DLO
REVISIONS: 1.0	
MODULAR	DRAWING NUMBER: 4196-2



## FOUNDATION ANCHOR SPACING REQUIREMENTS

DESIGN LOADS	
ROOF LOAD	60# GSL
FLOOR LOAD	100 # CORRIDOR
FLOOR LOAD	100 # GREAT ROOM
FLOOR LOAD	50# REMAINDER
WIND SPEED	110 MPH (EXP C)
SEISMIC	ZONE C

TECHNICAL DRAWING  
BY FRIENDSHIP HOMES INC.  
COMPUTER AIDED SYSTEM



FOOTINGS SHALL BE DESIGNED PER THE IBC

NOTICE:  
FOUNDATION LENGTH, WIDTH,  
& DIAGONAL DIMENSIONS ARE  
TO INCLUDE INSULATION IF  
INSTALLED AT THE EXTERIOR.  
POURED CONCRETE WALL MUST  
TAKE THIS INTO CONSIDERATION  
TO BE SIZED PROPERLY.

NOTE: DIMENSIONS MAY VARY  
DUE TO MANUFACTURING TOLERANCES  
AND THE CONNECTION TOLERANCE  
AT THE MATING LINE  
DUE TO SET-UP.

THESE DRAWINGS ARE COPIES OF RE-  
PRODUCEABLE ORIGINALS MAINTAINED  
IN THE OFFICE OF FRIENDSHIP  
HOMES. ALL REVISIONS MUST BE  
MADE ON THE ORIGINALS

- NOTES:
1. REFER TO CHART FOR ALLOWABLE SOIL PRESSURE ON FOUNDATION PLAN.
  2. THE FOUNDATION MUST BE DESIGNED AND BUILT TO LOCAL CODES & ORDINANCES & MUST BE APPROVED & INSPECTED BY LOCAL BUILDING OFFICIALS.
  3. ALL CONCRETE TO BE 3000 PSI @ 28 DAYS. CONCRETE FOR FOOTINGS IS REQUIRED TO BE 5000 PSI FOR ANY FOUNDATION BUILT IN MINNESOTA. SEE AMENDMENT TO TABLE R402.23
  4. FOUNDATION FEES SUPPORTS PROVIDED BY THE ON-SITE CONTRACTOR SHALL HAVE A PROTECTIVE COATING BY THE ON-SITE CONTRACTOR.
  5. ALL COLUMN POST FOOTINGS SIZED WITHOUT REINFORCEMENT.

6. REFERENCE THE STRUCTURAL DESIGN BASIS CERTIFICATE LOCATED IN THE HOME TO DETERMINE DESIGN ROOF LOAD.
7. CRAWLSPACE FOUNDATIONS ARE TO BE CONDITIONED/UNVENTED FOUNDATIONS THAT REQUIRE INSULATION AT PERIMETER WALLS INSTALLED IN ACCORDANCE WITH THE LOCAL JURISDICTION HAVING AUTHORITY.
8. STOOP/DECK FOOTERS TO BE LOCATED ACCORDING TO STOOP/DECK DIMENSIONS AND DESIGNED & BUILT TO LOCAL CODES.
9. TYPICAL CRAWLSPACE ACCESS. REFER TO JURISDICTION HAVING AUTHORITY TO DETERMINE ACTUAL SIZE, LOCATION AND ELECTRICAL REQUIREMENTS. ACCESS MUST BE PROVIDED.
10. SEE FOUNDATION DETAILS FOR RIM JOIST INSULATION REQUIREMENTS.

BEARING CAPACITY OF SOIL OR COMPACTED FILL SHALL EQUAL OR EXCEED 1500 PSF.  
LATERAL BEARING = 100 PSF  
LATERAL SLIDING RESISTANCE = 130 PSF.  
PER IBC (CBC) TABLE 1806.2  
THIS FOUNDATION SYSTEM HAS NOT BEEN DESIGNED TO RESIST LOADS FROM: EXPANSION  
SOILS OTHER THAN AS INDICATED IN THE IBC (CBC) TABLE 1806.2, SCOUR FLOOD HAZARD  
BY WIND OR WAVE ACTION, WIND SPEED UP EFFECTS, FROST ACTION, HIGH GROUND WATER  
NATURAL EVENT NOT LISTED ON THE ASSUMPTIONS.

IT IS THE RESPONSIBILITY OF THE DEALER AND/OR INSTALLER TO CERTIFY THAT ANY FOUNDATION PRINTS, OR ANY OTHER DIAGRAMS SUPPLIED TO A CONTRACTOR FOR SITE WORK, CORRELATE WITH THE UNIT ORDERED. THE MANUFACTURER WILL NOT BE LIABLE FOR DAMAGES ARISING FROM FAILURE OF THE DEALER AND/OR INSTALLER TO MAKE CERTAIN THAT THE CONTRACTOR HAS THE CORRECT DIAGRAMS, REGARDLESS OF WHAT WAS SUPPLIED BY THE MANUFACTURER. MANUFACTURER ASSUMES NO RESPONSIBILITY FOR THE DESIGN OF THE FOUNDATION EXCEPT FOR THE METHOD OF SUPPORT AS SHOWN ON THIS DRAWING.

THE COMBUSTION AIR INLETS FOR FUEL BURNING APPLIANCES SUCH AS FIREPLACES, WATERHEATERS, ETC., MUST BE EXTENDED SO THAT THEIR INLETS ARE ON THE EXTERIOR SIDE OF THE FOUNDATION WALL & ABOVE THE SNOW LEVEL FOR PLAN MODIFICATIONS AND PRODUCT SUBSTITUTES ISSUED SINCE DATE OF PRINTING AND PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SYSTEM AND GENERAL CONSTRUCTION SUBJECT TO FLOOR PLAN MODIFICATIONS AND PRODUCT SUBSTITUTES ISSUED SINCE DATE OF PRINTS.  
SOME OPTIONAL ITEMS ARE SHOWN AND PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

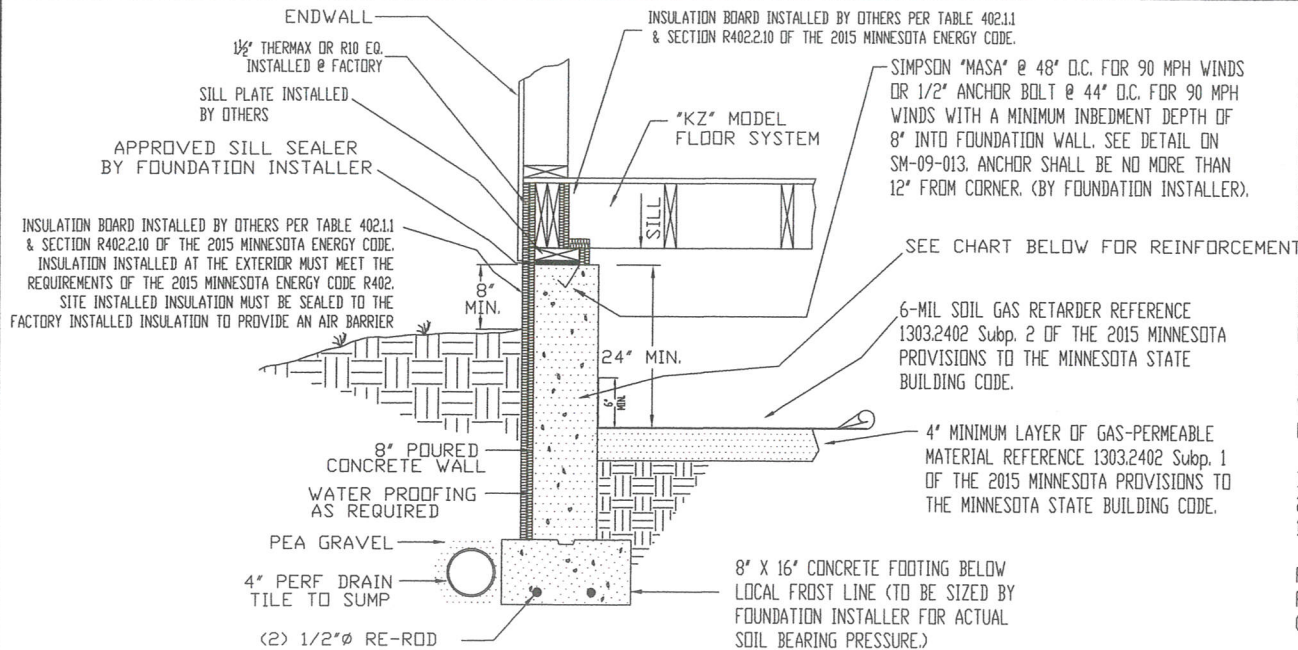
**FRIENDSHIP HOMES INC.**  
P.O. BOX 191 MONTEVIDEO, MN 56265

# FOUNDATION PLAN

REVISION		DATE	REVISION	DATE
DRAWN BY		DATE		
N. OFJ 11FN		10/12/22		

A-8  
MA-70556KZ





## SECTION A-A CRAWL SPACE APPLICATION WITH CONDITIONED CRAWLSPACE

FROM IRC TABLE R404.1.1(2)  
REINFORCED CONCRETE AND MASONRY FOUNDATION WALLS

MAX. WALL HEIGHT (FEET)	MAX. UNBALANCED BACKFILL HEIGHT (FEET)	MINIMUM VERTICAL REINFORCEMENT SIZE AND SPACING FOR 8" NOMINAL WALL THICKNESS		
		SOIL CLASS		
		GW, GP, SW AND SP	CM, CC, SM, SM-SC AND ML	SC, MH, ML-CL AND INORGANIC CL
8	7	#5 @ 48" O.C.	#6 @ 48" O.C.	#6 @ 40" O.C.

NOTE: IF SOIL CLASS IS NOT AVAILABLE USE #6 REBAR @ 40" O.C.

- MORTAR SHALL BE TYPE M OR S AND MASONRY SHALL BE LAID IN RUNNING BED.
- ALTERNATE REINFORCING BAR SIZE AND SPACING HAVING AN EQUIVALENT CROSS-SECTIONAL AREA OF REINFORCEMENT PER LINEAL FOOT OF WALL SHALL BE PERMITTED PROVIDED THE SPACING OF THE REINFORCEMENT DOES NOT EXCEED 72 INCHES.
- VERTICAL REINFORCEMENT SHALL BE GRADE 60 MINIMUM. THE DISTANCE FROM THE FACE OF THE SOIL SIDE OF THE WALL TO THE CENTER OF VERTICAL REINFORCEMENT SHALL BE AT LEAST 5 INCHES.
- SOIL CLASSES ARE IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM. REFER TO TABLE R405.1
- UNBALANCED BACKFILL HEIGHT IS THE DIFFERENCE IN HEIGHT OF THE EXTERIOR FINISH GROUND LEVELS. WHERE AN INTERIOR CONCRETE SLAB IS PROVIDED, THE UNBALANCED BACK FILL HEIGHT SHALL BE MEASURED FROM THE EXTERIOR FINISH GROUND LEVEL TO THE TOP OF THE INTERIOR CONCRETE SLAB.
- SILL PLATE TO BE OF APPROVED SPECIES AND GRADE OF LUMBER, PRESSURE PRESERVED IN ACCORDANCE WITH THE LOCAL JURISDICTION.

SYSTEM AND GENERAL CONSTRUCTION SUBJECT TO FLOOR PLAN MODIFICATIONS AND PRODUCT SUBSTITUTES ISSUED SINCE DATE OF PRINTS  
SOME OPTIONAL ITEMS ARE SHOWN AND PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

NOTICE  
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MANUFACTURER ASSUMES NO RESPONSIBILITY FOR THE DESIGN OF THE FOUNDATION EXCEPT FOR THE METHOD OF SUPPORTING AND ANCHORING THE HOME AS SHOWN ON THIS DRAWING.

THE EXTERIOR WALLS MUST BE SOLIDLY SUPPORTED BY THE FOUNDATION WALL. THIS FOUNDATION SYSTEM WAS NOT DESIGNED TO HAVE MANUFACTURED HOME FRAME SUPPORTING THE EXTERIOR WALL LOAD.

INSTALLER MUST INSTALL A RADON CONTROL METHOD IN ACCORDANCE WITH 2015 MINNESOTA PROVISIONS TO THE MINNESOTA BUILDING CODE SECTION 1303.2400-2403

REFERENCE R408.3 (UNVENTED CRAWL SPACE) IN THE 2015 MN. RESIDENTIAL CODE AND R403.5 OF THE 2015 MINNESOTA ENERGY CODE (1322) FOR VENTILATION REQUIREMENTS.

### NOTE:

1) CHECK LOCAL JURISDICTION FOR FOOTING DEPTH FOR FROST PROTECTION.

2) RIM JOIST AND FOUNDATION WALL INSULATION TO COMPLY WITH TABLE R402.1.1 OF THE 2015 MINNESOTA ENERGY CODE (1322).

3) FLOOR TO SILL PLATE CONNECTION BY OTHERS REFER TO IRC TABLE R602.3(1)

4) REFERENCE THE 2015 MINNESOTA PROVISIONS TO THE MINNESOTA BUILDING CODE 1303.2400-2403 FOR RADON CONTROL METHODS REQUIRED.

Friendship Homes of MN Inc.  
MN Plan Review Number: MFG1204-00033  
Dwg/Sheet Number: SM-09-010 thru 017 rev

REVIEWED FOR COMPLIANCE WITH  
THE REGULATIONS OF THE CONSTRUCTION CODES AND  
LICENSING DIVISION AND THE DEPARTMENT OF LABOR AND  
INDUSTRY STATE OF MINNESOTA

BY: *Amir Saeed* DATE: 02/25/15

ON SITE CONSTRUCTION IS  
SUBJECT TO LOCAL AUTHORITY

STD. CATHEDRAL THRU-OUT  
FRIENDSHIP HOMES  
OF MINNESOTA, INC.  
P.O. BOX 191  
MONTEVIDEO, MN 56265

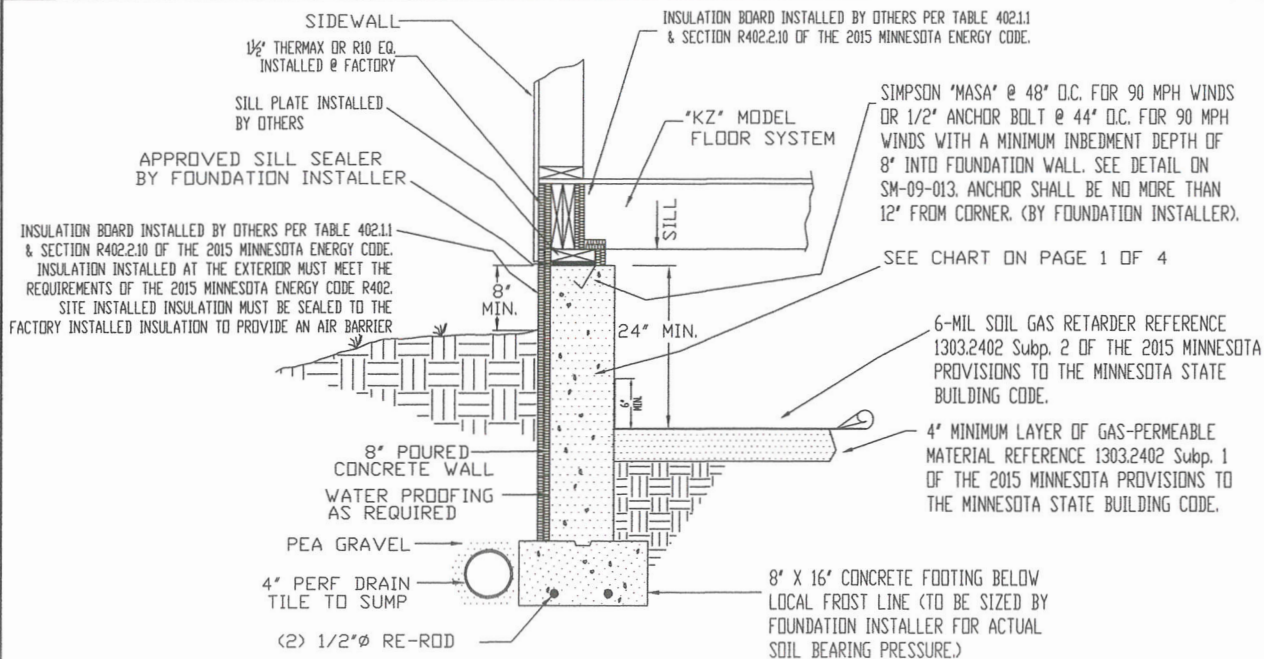
### REVISIONS

- ADD NOTE SEAL SITE INSTALLED INSULATION/APPROVED SILL SEALER 5/15/13
- UPDATE NOTES FOR 2015 MN BUILDING CODE 02/16/15

DRAWN BY: DLO  
CHECKED BY: NA  
SCALE: NTS  
DATE: 05/03/13

MODEL: CRAWL SPACE FOUNDATION DETAILS  
TITLE: FOUNDATION DETAILS 1 OF 4

SHEET: SM 09-010  
MINNESOTA



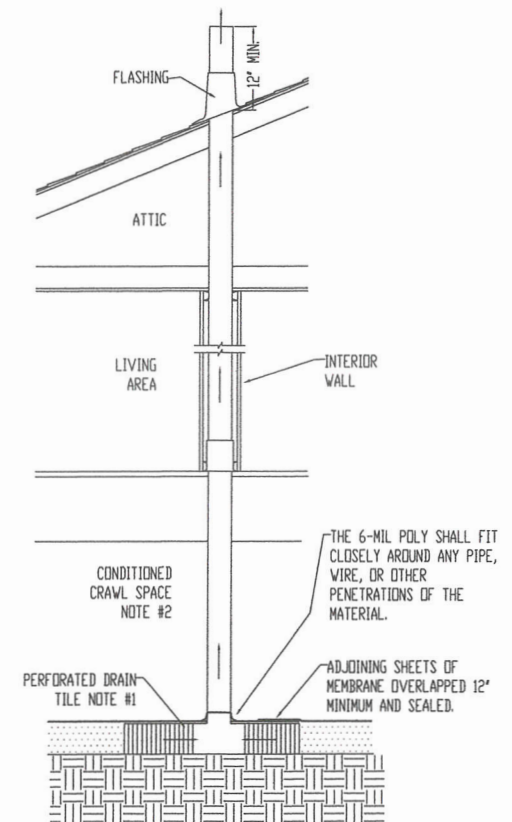
## SECTION B-B CRAWL SPACE APPLICATION WITH CONDITIONED CRAWLSPACE

### PASSIVE RADON CONTROL SYSTEM IN CONDITIONED CRAWL SPACE

#### NOTES:

1. INSTALL A 10' LENGTH MINIMUM OF 3" OR 4" DIAMETER PERFORATED DRAIN TILE HORIZONTALLY BENEATH THE 6-MIL POLY ON EACH SIDE OF THE 'T' FITTING WITH THE VERTICAL STANDPIPE THROUGH THE SOIL-GAS-RETARDER MEMBRANE.
2. VENTILATE CRAWL SPACE IN CONFORMANCE WITH THE 1322 R403.5 MECHANICAL VENTILATION SYSTEMS OF THE 2015 MINNESOTA ENERGY CODE.
3. A COMBINATION BASEMENT/CRAWLSPACE MUST BE INSTALLED IN ACCORDANCE 1303.2402 Subp. 5(F) OF THE 2015 MINNESOTA PROVISIONS TO THE MINNESOTA STATE BUILDING CODE.

EXHAUST MUST BE 10 FEET FROM OPENINGS INTO CONDITIONED SPACES OF THE BUILDING



### TYPICAL PASSIVE RADON CONTROL METHOD

SYSTEM AND GENERAL CONSTRUCTION SUBJECT TO FLOOR PLAN MODIFICATIONS AND PRODUCT SUBSTITUTES ISSUED SINCE DATE OF PRINTS  
SOME OPTIONAL ITEMS ARE SHOWN AND PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Friendship Homes of MN Inc.  
MN Plan Review Number: MFG1204-00033  
Dwg/Sheet Number: SM-09-010 thru 017 rev

REVIEWED FOR COMPLIANCE WITH  
THE REGULATIONS OF THE CONSTRUCTION CODES AND  
LICENSING DIVISION AND THE DEPARTMENT OF LABOR AND  
INDUSTRY STATE OF MINNESOTA

BY: *David Lee* DATE: 02/25/15

ON SITE CONSTRUCTION IS  
SUBJECT TO LOCAL AUTHORITY

STD CATHEDRAL THRU-OUT  
FRIENDSHIP HOMES  
OF MINNESOTA, INC.  
P.O. BOX 191  
MONTEVIDEO, MN, 56285

#### REVISIONS

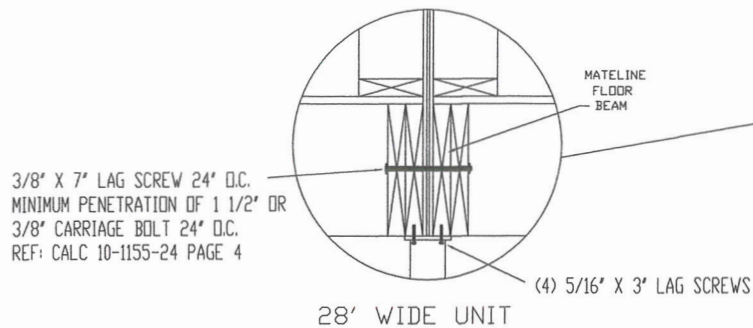
- | NO. | DESCRIPTION  | DATE     |
|-----|--|----------|
| 1.  | ADD NOTE SEAL SITE INSTALLED INSULATION/APPROVED SILL SEALER | 5/15/13  |
| 2.  | UPDATE NOTES FOR 2015 MN BUILDING CODE                       | 02/16/15 |

DRAWN BY: DLO  
CHECKED BY: NA  
SCALE: NTS  
DATE: 05/03/13

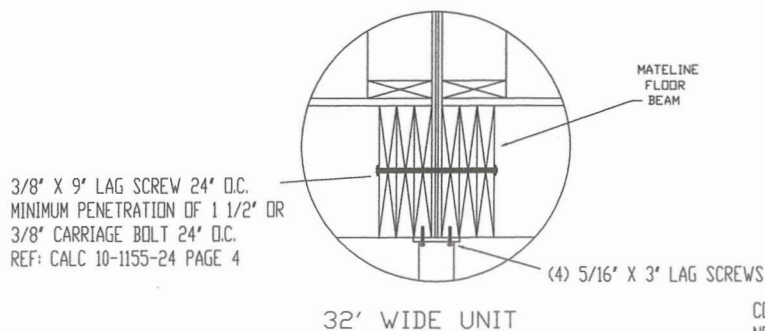
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TITLE: FOUNDATION DETAILS 2 OF 4

SHEET: SM 09-011  
MINNESOTA

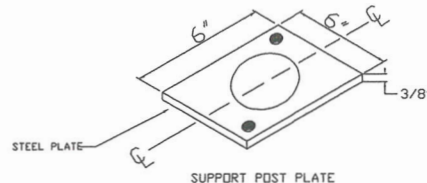




3/8" X 7" LAG SCREW 24" O.C.  
MINIMUM PENETRATION OF 1 1/2" OR  
3/8" CARRIAGE BOLT 24" O.C.  
REF: CALC 10-1155-24 PAGE 4



3/8" X 9" LAG SCREW 24" O.C.  
MINIMUM PENETRATION OF 1 1/2" OR  
3/8" CARRIAGE BOLT 24" O.C.  
REF: CALC 10-1155-24 PAGE 4

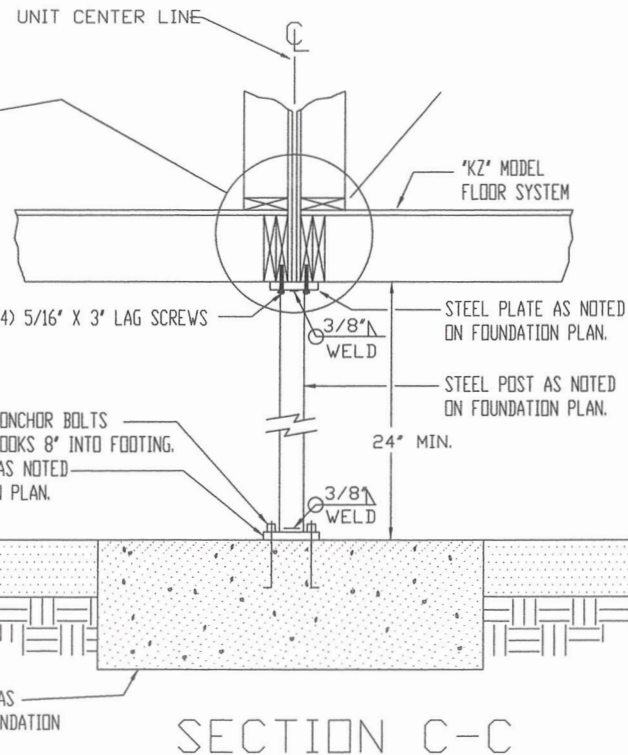


#### NOTICE

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MANUFACTURER ASSUMES NO RESPONSIBILITY FOR THE DESIGN OF THE FOUNDATION EXCEPT FOR THE METHOD OF SUPPORT AS SHOWN ON THIS DRAWING.

SYSTEM AND GENERAL CONSTRUCTION SUBJECT TO FLOOR PLAN MODIFICATIONS AND PRODUCT SUBSTITUTES ISSUED SINCE DATE OF PRINTS  
SOME OPTIONAL ITEMS ARE SHOWN AND PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.



## SECTION C-C CRAWL SPACE APPLICATION

#### NOTE:

1. MINIMUM WALL THICKNESS AND ALLOWANCE DEPTH OF UNBALANCED FILL FOR MASONRY AND CONCRETE FOUNDATION WALLS FOR SPECIFIC SOIL TYPES AND CONDITIONS.
2. UNBALANCED FILL IS THE DIFFERENCE IN HEIGHT OF THE EXTERIOR AND INTERIOR FINISH GROUND LEVELS. WHERE AN INTERIOR CONCRETE SLAB IS PROVIDED, THE UNBALANCED FILL SHALL BE MEASURED FROM THE EXTERIOR FINISH GROUND LEVEL TO THE TOP OF THE INTERIOR CONCRETE SLAB.
3. THE HEIGHT BETWEEN LATERAL SUPPORTS SHALL NOT EXCEED 8 FEET.
4. THE ACTUAL THICKNESS SHALL NOT BE MORE THAN 1/2" LESS THAN THE REQUIRED NOMINAL THICKNESS SPECIFIED IN THE TABLE.
5. 8-INCH PLAIN CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES.
6. REFERENCE THE 2015 MINNESOTA PROVISIONS TO THE MINNESOTA BUILDING CODE 1303.2400-2403 FOR RADON CONTROL METHODS REQUIRED.



6-MIL SOIL GAS RETARDER REFERENCE 1303.2402 Subp. 2 OF THE 2015 MINNESOTA PROVISIONS TO THE MINNESOTA STATE BUILDING CODE.

4" MINIMUM LAYER OF GAS-PERMEABLE MATERIAL REFERENCE 1303.2402 Subp. 1 OF THE 2015 MINNESOTA PROVISIONS TO THE MINNESOTA STATE BUILDING CODE.

#### REVISIONS

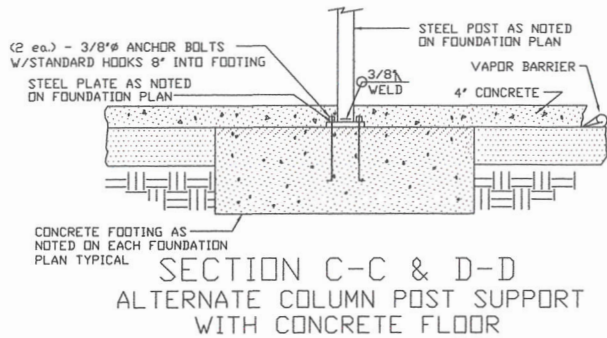
- | NO. | DESCRIPTION                            | DATE     |
|-----|--|----------|
| 1.  | ADD MINIMUM PENETRATION FOR LAG SCREWS | 5/17/13  |
| 2.  | UPDATE NOTES FOR 2015 MN BUILDING CODE | 02/16/15 |

DRAWN BY:	DLO
CHECKED BY:	NA
SCALE:	NTS
DATE:	05/03/13

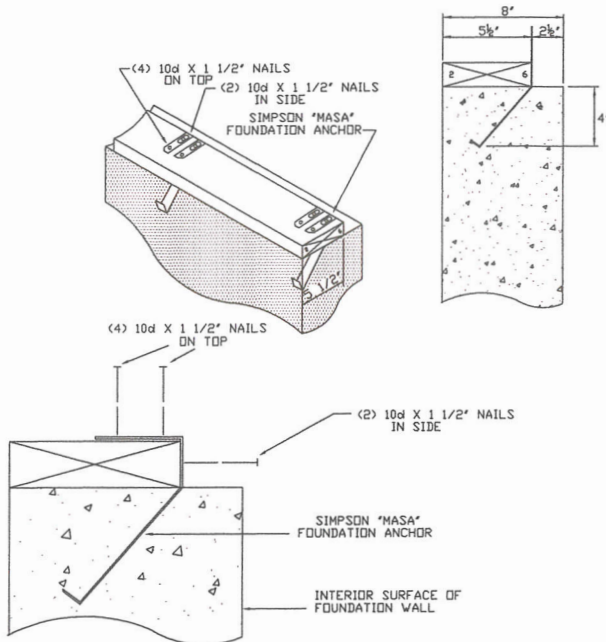
MODEL:	CRAWL SPACE FOUNDATION DETAILS
TITLE:	FOUNDATION DETAILS 3 OF 4

SHEET:	SM 09-012
MINNESOTA	





### ANCHOR STRAP/UP-LIFT CONNECTION DETAIL



NOTE:  
SPACING FOR MASA ANCHORS ARE EQUAL  
TO THE SPACING OF THE 1/2\"/>

NOTICE  
IT IS THE RESPONSIBILITY OF THE DEALER AND/OR INSTALLER TO CERTIFY  
THAT ANY FOUNDATION PRINTS, OR OTHER DIAGRAMS SUPPLIED TO A  
CONTRACTOR FOR SITE WORK, CORRELATE WITH THE UNIT ORDERED. THE  
MANUFACTURER WILL NOT BE LIABLE FOR DAMAGES ARISING FROM FAILURE  
OF THE DEALER AND/OR INSTALLER TO MAKE CERTAIN THAT THE  
CONTRACTOR HAS THE CORRECT DIAGRAMS, REGARDLESS OF WHAT WAS  
SUPPLIED BY THE MANUFACTURER.

1. THIS CRAWL FOUNDATION SYSTEM IS INTENDED FOR A CONDITIONED CRAWLSPACE. THE CONDITIONED CRAWLSPACE MUST MEET THE REQUIREMENTS OF THE 2015 MINNESOTA RESIDENTIAL CODE R408.3 AND R403.5 OF THE 2015 MINNESOTA ENERGY CODE (1322).
2. A CRAWL FOUNDATION REQUIRES AN ACCESS TO MEET THE REQUIREMENTS OF THE 2012 IRC R408.4. THE ACCESS IS TO BE CONSTRUCTED ON SITE BY OTHERS.
3. THE FOUNDATION MUST BE DESIGNED AND BUILT TO LOCAL CODES AND ORDINANCES AND MUST BE APPROVED AND INSPECTED BY LOCAL BUILDING OFFICIALS.
4. CONCRETE TO BE 3000 P.S.I. AT 28 DAYS. FOOTINGS ARE REQUIRED TO HAVE 5000 P.S.I. CONCRETE AT 28 DAYS.
5. FOUNDATION STEEL SUPPORTS PROVIDED BY ON SITE CONTRACTOR SHALL HAVE A PROTECTIVE COATING.
6. THE BASE OF THE FOOTING MUST EXTEND BELOW FROST DEPTH. CHECK WITH LOCAL FROST DEPTH INFORMATION FOR DISTANCE.
7. FOUNDATION WALLS MUST EXTEND AT LEAST 8 INCHES ABOVE THE FINISHED GRADE ADJACENT TO THE FOUNDATION AT ALL POINTS.
8. THE FOUNDATION WALL MAY BE RECESSED UP TO TWO INCHES AROUND THE PERIMETER TO ALLOW FOR AN APPLICATION OF RIGID INSULATION BOARD.
9. FOUNDATION WALLS MUST BE DRAINED AND DAMPROOFED.
10. BACKFILL ADJACENT TO THE WALL MUST NOT BE PLACED UNTIL THE WALL HAS SUFFICIENT STRENGTH OR HAS BEEN SUFFICIENTLY BRACED TO PREVENT DAMAGE BY THE BACKFILL.
11. A 6-MIL. THICK POLYETHYLENE MOISTURE BARRIER (GAS RETARDER) SHALL BE APPLIED OVER THE POROUS LAYER (GAS PERMEABLE MATERIAL). THIS IS TYPICAL FOR DETAILS SPECIFYING A MOISTURE/VAPOR BARRIER.
12. PANEL BOX TO BE LOCATED IN CRAWL SPACE AREA NEEDS TO BE INSTALLED PER NEC 2014 SECTION 312.2
13. REFERENCE 2015 MINNESOTA RESIDENTIAL CODE R403.1.6 FOR REQUIREMENTS TO CONNECT SILL PLATE TO FOUNDATION WALL.

Friendship Homes of MN Inc.  
MN Plan Review Number: MFG1204-00033  
Dwg/Sheet Number: SM-09-010 thru 017 rev

REVIEWED FOR COMPLIANCE WITH  
THE REGULATIONS OF THE CONSTRUCTION CODES AND  
LICENSING DIVISION AND THE DEPARTMENT OF LABOR AND  
INDUSTRY STATE OF MINNESOTA

BY: *Amiee Lee* DATE: 02/25/15

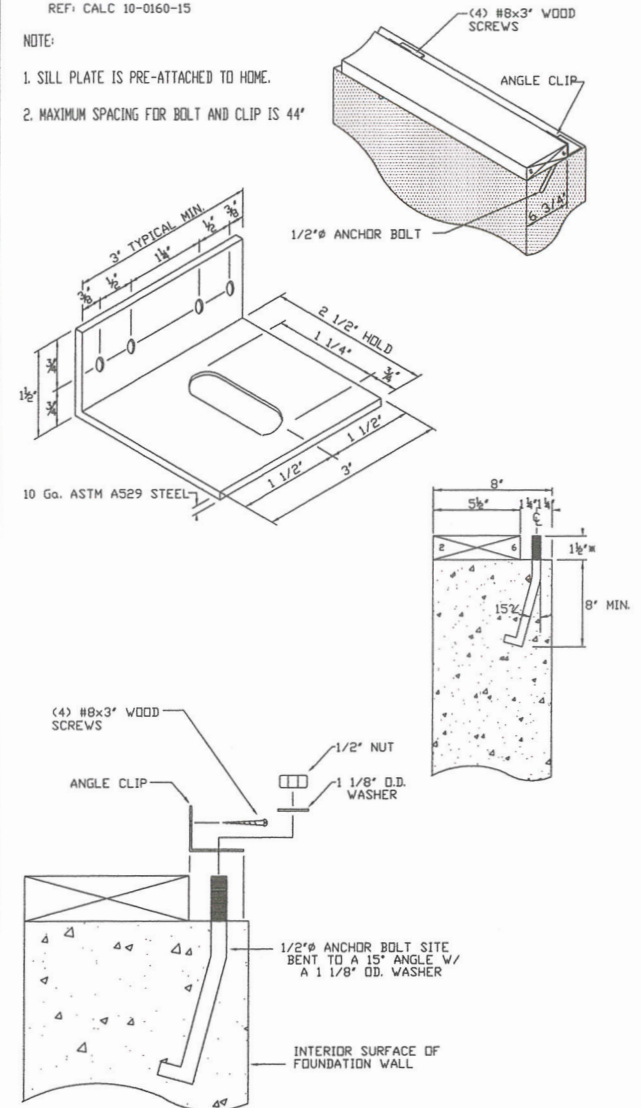
ON SITE CONSTRUCTION IS  
SUBJECT TO LOCAL AUTHORITY

### ANCHOR CLIP/UP-LIFT CONNECTION DETAIL

REF: CALC 10-0160-15

NOTE:

1. SILL PLATE IS PRE-ATTACHED TO HOME.
2. MAXIMUM SPACING FOR BOLT AND CLIP IS 44"



\* IT IS OUR SUGGESTION THAT THE ANCHOR BOLT DOES NOT EXTEND ABOVE  
THE MUD SILL BECAUSE IT IS POSSIBLE THAT AN ANCHOR BOLT MAY BE  
PLACED UNDER A FRAMING MEMBER DISALLOWING THE HOME TO SET DOWN  
TIGHTLY ON THE FOUNDATION WALL.

SYSTEM AND GENERAL CONSTRUCTION SUBJECT TO FLOOR PLAN MODIFICATIONS AND PRODUCT SUBSTITUTES ISSUED SINCE DATE OF PRINTS  
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STD. CATHEDRAL THRU-OUT  
FRIENDSHIP HOMES  
OF MINNESOTA, INC.  
P.O. BOX 191  
MONTEVIDEO, MN. 56265

#### REVISIONS

1. UPDATE NOTES FOR 2015 MN BUILDING CODE 02/16/15

DRAWN BY: DLO  
CHECKED BY: NA  
SCALE: NTS  
DATE: 05/03/13

MODEL: CRAWL SPACE FOUNDATION DETAILS  
TITLE: FOUNDATION DETAILS 4 OF 4

SHEET: SM 09-013  
MINNESOTA