

NOS

PROJECT NAME: John Ronhovde

DEALER: Life Style Homes of Litchfield

SITE ADDRESS: 29590 335th Lane, Aitkin, MN 56431

SUBMITTAL CONTACT NAME & #: John Manthei 320-693-7993

EMAIL OF CONTACT: jmanthei@lifestylehomesmn.com

INSTALLER NAME & PHONE #: Life Style Homes of Litchfield

HOMEOWNER NAME & PHONE # John Ronhovde 952-212-7154

HOME INFORMATION

HOME MANUFACTURER NAME: Friendship Homes

NEW OR USED: New

DOM DATE OF MANUFACTURE: 2020

SERIAL #FMT410MN19-52509AB

HOME BOX SIZE: 32X64

I-BEAM SPACING: 82 ½"

EXTERIOR SIDEWALL HEIGHT: 8'

ROOF PITCH: 3/12

MAX GAP ALLOWED AT FLOOR: N/A

MAX GAP ALLOWED AT MARRIAGE WALL: N/A

SOIL INFORMATION

SOIL TYPE: Sandy Loam

SOIL CLASSIFICATION: 3

SOIL BEARING PRESSURE: 1500 psf

HOW DETERMINED: Septic boring records

VAPOR BARRIER: YES- PLASTIC

SUPPORT

Engineered Slab – 4" slab with 14"x14" thickened perimeter footings w/rebar and thickened footings at blocking points per manufacturer print

FROST DEPTH- 42" OR 60": 60"

FROST PIER DIAMATER AT I-BEAM: SEE PIER PRINT ATTACHED

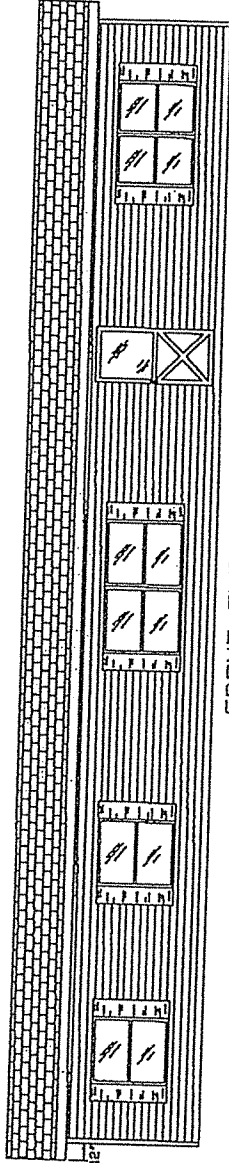
PIER SPACING AT MARRIAGE WALL: SEE PIER PRINT ATTACHED

ANCHORS

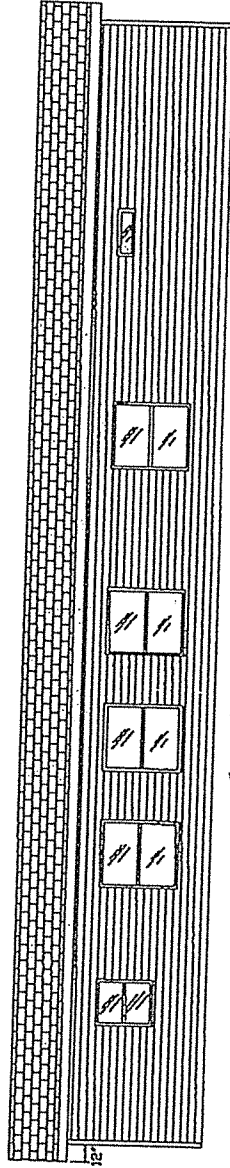
ANCHOR MANUFACTURER: XI2

NOTE: SEE ANCHOR ATTACHMENT

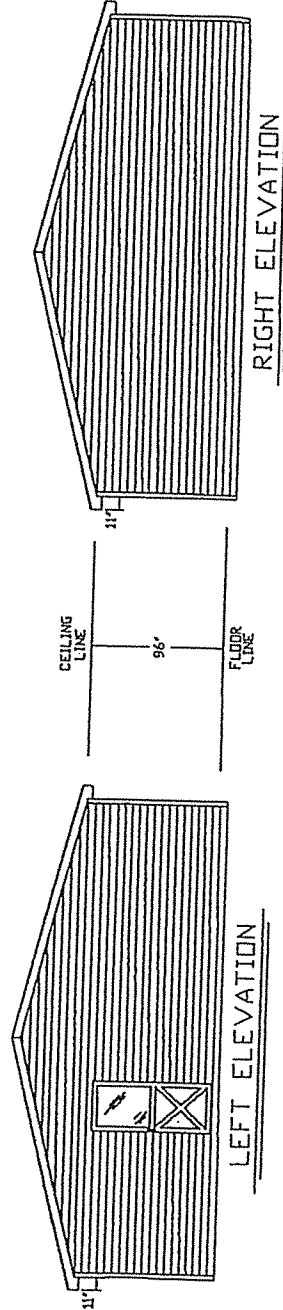
TECHNICAL DRAWING
 BY FRIENDSHIP HOMES INC.
 COMPUTER AIDED SYSTEM



FRONT ELEVATION



REAR ELEVATION



LEFT ELEVATION

RIGHT ELEVATION

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.

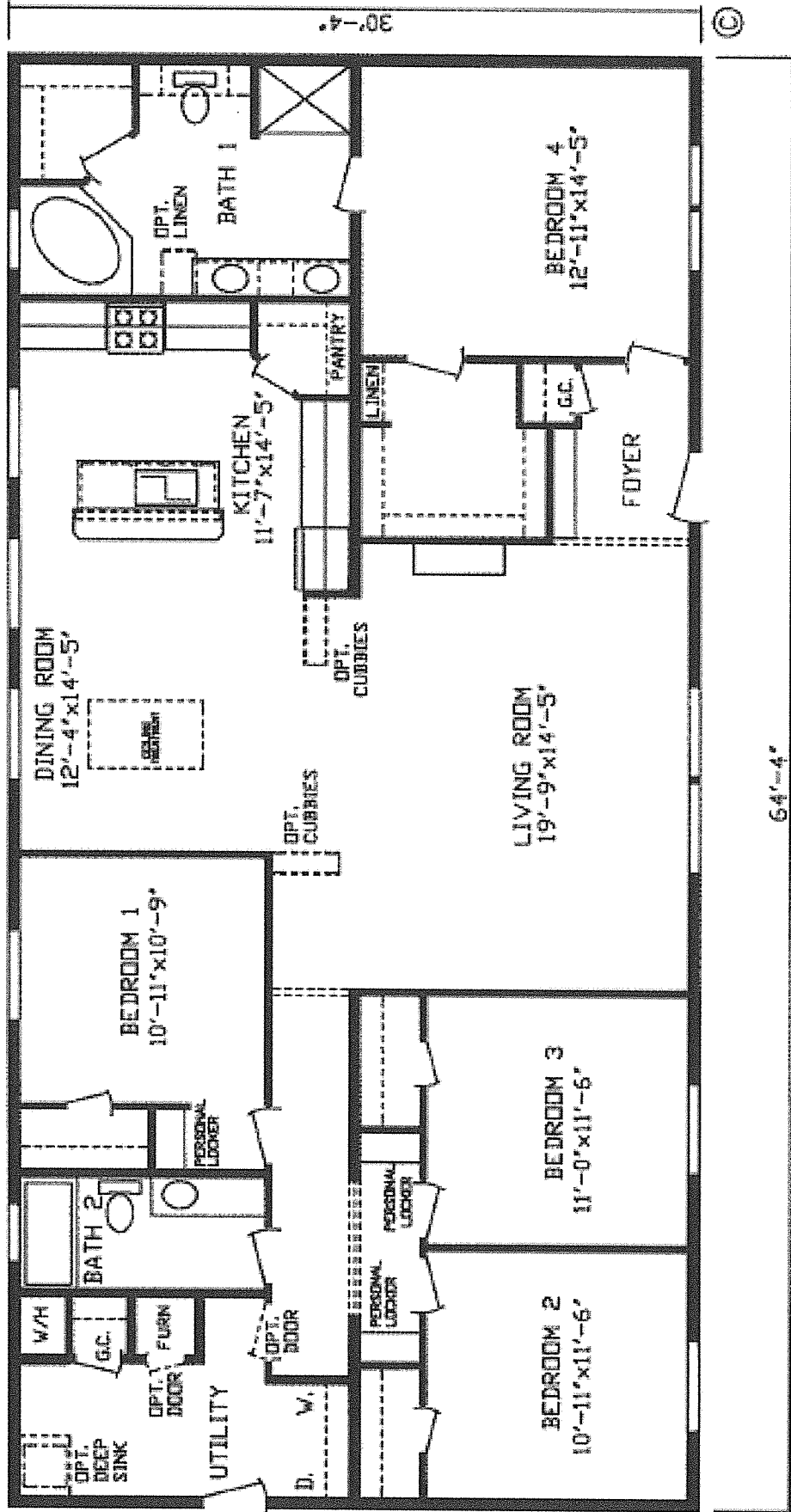
FRIENDSHIP HOMES INC.
 815 BUDD RD. MONTEVIDEO, MN. 56265

**EXTERIOR
 ELEVATIONS**

REVISION	DATE	REVISION	DATE
MOVE GAS INLET	10/23/71		

A-4
 184001

Lake



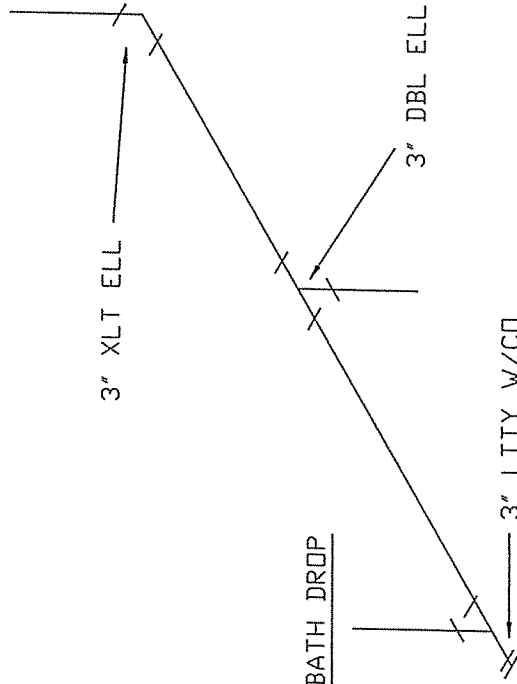
Z-184001

Z-184001R

PLUMBING PARTS REQ'D

- (52'-0") 3" PIPE
- (1) 3" LTTY W/CD
- (1) 3" XLT ELL
- (1) 3" DBLE ELL
- (3) 3" COUPLINGS

FRONT BATH DROP



3" XLT ELL

3" DBL ELL

3" LTTY W/CD

REAR BATH DROP

D.W.V. SYSTEM

NTS

9/10/15

JMD

TECHNICAL DRAWING
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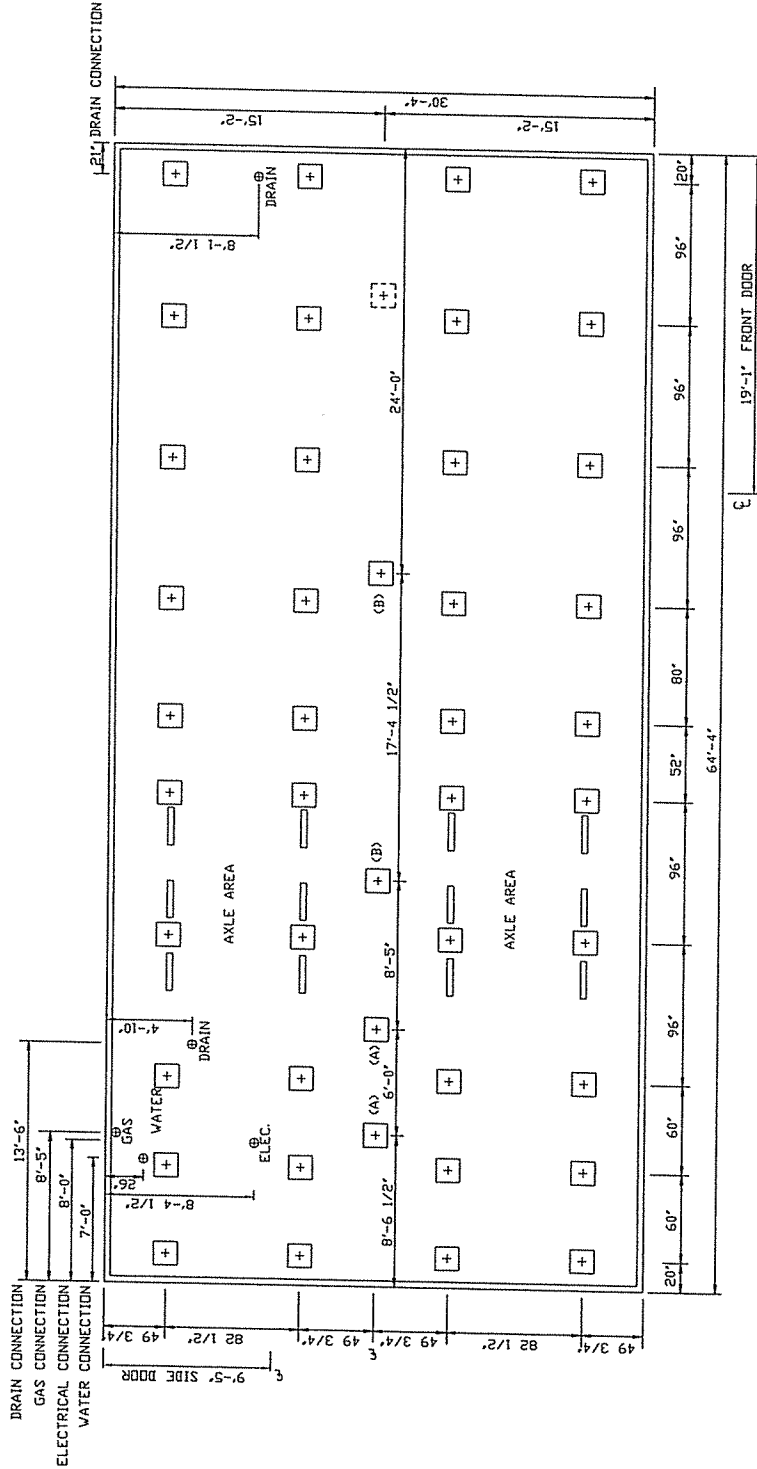
TECHNICAL DRAWING
BY FRIENDSHIP HOMES, INC.
COMPUTER AIDED SYSTEM

NOTICE
IT IS THE RESPONSIBILITY OF THE DEALER TO OBTAIN
LEGIBLE BLOCKING AND/OR FOUNDATION PRINTS FROM
FRIENDSHIP HOMES, DIVISION OF FAIRMONT HOMES, INC.
FRIENDSHIP HOMES, DIVISION OF FAIRMONT HOMES, INC.
WILL NOT BE LIABLE FOR DAMAGES ARISING FROM THE
DEALER SUPPLYING THE CONTRACTOR WITH TELEFAXED
BLOCKING AND/OR FOUNDATION PRINTS.

THE COMBUSTION AIR INLETS FOR FUEL BURNING
APPLIANCES VENTED THROUGH THE FLOOR
MUST BE EXTENDED SO THAT THEIR INLETS
ARE ON THE EXTERIOR SIDE OF THE FOUNDATION
WALL AND ABOVE THE GROUND SNOW LEVEL.

NOTE: IF OTHER THAN THE STANDARD
GAS APPLIANCES ARE ORDERED, THE
GAS INLET WILL CHANGE.

NOTE: WHEN WATER SOFTENER IS
INSTALLED, WATER INLET WILL CHANGE.



MANUFACTURED HOME BLOCKING

NOTICE
IT IS THE RESPONSIBILITY OF THE DEALER AND/OR IN-
STALLER TO CERTIFY THAT ANY BLOCKING OR 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.

- NOTE:
1. BLOCKING SPACING IS NOT TO EXCEED 8'-0".
2. ALL PLUMBING CROSSOVERS (GAS, WATER, SEWER, etc.)
ARE DEALER AND/OR INSTALLER'S RESPONSIBILITY.
3. ENOUGH CONCRETE BLOCKS AND HARDWOOD SHIMS TO MEET
MINIMUM BLOCKING SPECIFICATIONS MUST BE SUPPLIED.
THIS IS NOT THE MANUFACTURER'S RESPONSIBILITY.
[+] = PIER LOCATION
[A] = BLOCKING AT THE CENTERLINE UNDER MARRIAGE WALLS
[B] IS NOT TO EXCEED 8'-0" IN A 40# ROOF LOAD ZONE

NOTE: THE HOME DESIGNED FOR THIS
SUPPORT SYSTEM IS BUILT WITH
12" LONGITUDINAL I-BEAMS

CENTERLINE COLUMN LOADS			
SUPPORT LOCATION	DESIGN ROOF LOADINGS	DESIGN STRUCTURAL DESIGN BASIS CERTIFICATE IN THE HOME	
20 PSF	30 PSF	40 PSF	60 PSF
(A) 2500	3000	3500	5000
(B) 3800	4500	5500	11500
REFER TO CHART No. 7 IN THE INSTALLATION MANUAL FOR FOOTING SIZES BASED ON COLUMN LOAD			

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.
815 BUDD RD. MONTEVIDEO, MN 56265

BLOCKING
PLAN

REVISION	DATE	REVISION	DATE

DRAWN BY JHD DATE 9/29/15

A-8
184001

STRUCTURAL NOTES AND SPECIFICATIONS:

BUILDING CODES
 A. LATEST EDITION OF MINNESOTA STATE BUILDING CODE AND IBC.
 B. MEET REQUIREMENTS OF ALL PREVAILING CODES.

DESIGN LIVE LOADS
 GROUND SNOW LOAD: 60 PSF
 ROOF SNOW LOAD: 42 PSF*
 WIND: 115 MPH, EXPOSURE C
 SEISMIC: DESIGN CATEGORY "A"
 OTHERS: PER BUILDING CODE
 * PLUS SNOW BUILDUP IN ACCORDANCE WITH BUILDING CODE.

FOOTINGS AND FOUNDATIONS

- SOIL DESIGN ALLOWABLE BEARING CAPACITY IS 2000 PSF (ASSUMED). NOTIFY ENGINEER OF RECORD IMMEDIATELY OF ANY POOR SOIL CONDITIONS.
- FOOTINGS SHALL BEAR ON SUITABLE NATURAL SOIL OR COMPACTED FILL IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS ENGINEER. IF SOIL WITH QUESTIONABLE BEARING CAPACITY IS FOUND, CONTACT THE ENGINEER OF RECORD BEFORE PROCEEDING.
- FILL SHALL BE COMPACTED TO THE FOLLOWING MINIMUM STANDARD PROCTOR VALUES (ASTM D698) [IN ACCORDANCE WITH THE GEOTECHNICAL REPORT]:
 SLAB ON GRADE: 95%
- UNLESS OTHERWISE INDICATED ON DRAWINGS OR BY THE SOILS ENGINEER, IN AREAS WHERE OVEREXCAVATION IS REQUIRED, THE EXCAVATION SHALL BE OVERSIZED A DISTANCE OF ONE FOOT BEYOND THE FOOTING EDGES FOR EACH FOOT OF EXTRA DEPTH.
- ALL COLUMN FOOTINGS SHALL BE CENTERED ON THE COLUMNS, AND WALL FOOTINGS SHALL BE CENTERED ON THE WALLS UNLESS NOTED OTHERWISE.

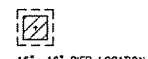
CAST-IN-PLACE CONCRETE

- DESIGN CODE: "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318).
- CONCRETE (F'c IS 28 DAY COMPRESSIVE STRENGTH OF CONCRETE):
 INTERIOR SLABS ON GRADE: f'c=3500 PSI, 4" SLUMP, 3/4" MAX. AGR.
 ALL EXTERIOR CONCRETE SHALL BE AIR ENTRAINED 5 TO 7% (+/- 1%) BY VOLUME.
- REINFORCING STEEL: (NEW, DEFORMED AND CLEAN)
 ASTM A185 FOR WELDED WIRE FABRIC.
 ASTM A615 GRADE 60, GRADE 40 FOR STIRRUPS AND TIES.
- SEE "CONCRETE PROTECTION FOR REINFORCEMENT" SCHEDULE FOR MINIMUM COVER.
- REINFORCING SPLICES SHALL BE THE GREATER OF 40 BAR DIAMETERS OR 24" U.N.O.
- LOCATIONS AND SIZES OF ALL PENETRATIONS, HOLES, SLEEVES, ETC. SHALL BE COORDINATED WITH ALL TRADES.
- FURNISH AND INSTALL ALL CHAIRS, TIES, AND OTHER ACCESSORIES IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STD. PRACTICE".
- CONSOLIDATE ALL CONCRETE BY VIBRATING OR PUDDLING.
- ALL CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
- CONCRETE CYLINDERS SHALL BE FIELD CURED FOR NOT LESS THAN 18 HOURS AND NOT MORE THAN 3 DAYS.
- ALL CONCRETE AND MASONRY CONSTRUCTION DURING HOT OR COLD WEATHER SHALL COMPLY WITH ACI 308R "HOT WEATHER CONCRETING" OR ACI 306R "COLD WEATHER CONCRETING" RESPECTIVELY.
- CONTROL JOINTS SHALL BE ZIPSTRIP OR SAWCUT (1/4 SLAB THICKNESS) AND CAULKED. CONTROL JOINT SPACING SHALL NOT EXCEED 36 MULTIPLIED BY THE SLAB THICKNESS, AND SHOULD NOT EXCEED 18' UNLESS APPROVED BY THE ENGINEER. REINFORCING STEEL SHALL BE CONTINUOUS THROUGH CONTROL JOINTS.
- CONSTRUCTION JOINTS SHALL BE CONSTRUCTED PER THE CONSTRUCTION JOINT DETAIL. CONSTRUCTION JOINTS SHALL BE INSTALLED IN CONTINUOUS LANES OR CHECKERBOARD PATTERN WITH SPACING NOT EXCEEDING 45 FEET, UNLESS OTHERWISE APPROVED.

GENERAL CONSTRUCTION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION, INCLUDING ANY AND ALL SHORING, SCAFFOLD, BRACING, TEMPORARY CONSTRUCTION, ETC. NECESSARY TO PERFORM REQUIRED CONSTRUCTION.
- THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS FROM ALL DISCIPLINES AND COMPARE DIMENSIONS, PENETRATIONS, ETC. ANY CONFLICTS OR CONTRADICTIONS FOUND BETWEEN ANY OF THE CONSTRUCTION DOCUMENTS SHALL BE REPORTED TO THE ARCHITECT OR ENGINEER IMMEDIATELY.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL STATE OR LOCAL LAWS REGARDING SAFETY AND WORKING ENVIRONMENT ON THE JOB SITE. THE CONTRACTOR SHALL CONFORM TO ALL OSHA REGULATIONS.
- ALL SHOP DRAWINGS REQUIRED BY THESE SPECIFICATIONS SHALL BE REVIEWED AND STAMPED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT AND ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ALL FIELD VERIFICATION REQUIRED ON THE SHOP DRAWINGS. CONTRACTOR SHALL BE TIMELY ON HIS REVIEW OF SHOP DRAWINGS TO ENSURE ADEQUATE REVIEW TIME BY THE DESIGN PROFESSIONALS.
- SPECIAL INSPECTIONS AND TESTING IN ACCORDANCE WITH THE SPECIAL STRUCTURAL TESTING AND INSPECTION SCHEDULE SHALL BE COORDINATED BY THE CONTRACTOR. SPECIAL INSPECTIONS WILL BE PAID BY THE OWNER AND TESTING SHALL BE PAID BY THE CONTRACTOR UNLESS NOTED OTHERWISE. CONTRACTOR SHALL GIVE SUFFICIENT NOTICE TO THE TESTER OR INSPECTOR. REPORTS SHALL BE PREPARED FOR ALL SPECIAL INSPECTIONS AND TESTS AND SHALL BE SUBMITTED TO THE ENGINEER. SPECIAL INSPECTIONS DO NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITIES REGARDING COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- IF ANY WORK IS COVERED UP PRIOR TO CONSENT OR APPROVAL BY THE APPROPRIATE AGENCY OR ENGINEER, IT SHALL BE UNCOVERED FOR EXAMINATION AT THE EXPENSE OF THE CONTRACTOR. ANY ADDITIONAL TESTING REQUIRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO PERFORM WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS SHALL BE BORNE BY THE RESPONSIBLE CONTRACTOR.

NOTE:
 TIE DOWN ENGINEERING'S X2 ANCHOR SYSTEM IS APPROVED FOR USE ON THIS PROJECT AND SHALL BE INSTALLED IN THE LOCATIONS AND QUANTITIES REQUIRED BY THE MANUFACTURER.



16"x 16" PIER LOCATION

BLOCKING AT THE CENTERLINE UNDER MARKING WALLS IS NOT TO EXCEED 8'-0" IN A 40# ROOF LOAD ZONE

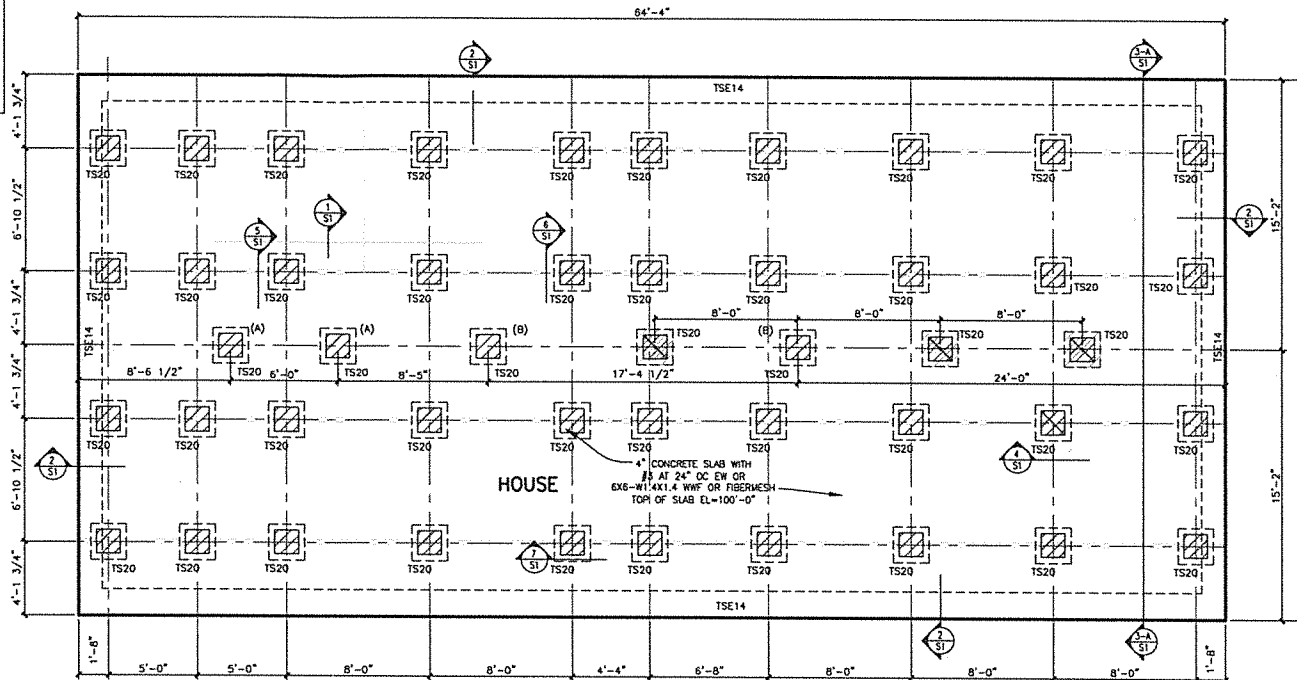
NOTE:
 OWNER/CONTRACTOR TO VERIFY ALL PIER DIMENSIONS, LOCATIONS AND ELEVATIONS WITH BUILDING MANUFACTURER'S FINAL PLANS PRIOR TO CONSTRUCTION. PIER HEIGHTS TO BE DETERMINED BY INSTALLATION CONTRACTOR TO ENSURE FINISH FLOOR ELEVATION IS AT MINIMUM ELEVATION 100'-0". ALL PIERS MUST BE EXPOSED TO MEET FEMA REQUIREMENTS FOR WATER DRAINAGE IN FLOOD ZONE. SEE PLOT PLAN SHOWING MIN. FEMA REQUIREMENTS FOR ELEVATION OF FLOOD ZONE.

CENTERLINE COLUMN LOADS

SUPPORT LOCATION	DESIGN ROOF LOADINGS			
	20 PSF	30 PSF	40 PSF	60 PSF
(A)	2500	3000	3500	5000
(B)	5000	6500	8500	11500

GENERAL FOUNDATION NOTES:

- ALL COLUMNS FOOTINGS ARE CENTERED ON COLUMNS AND WALL FOOTINGS ARE CENTERED BENEATH WALL U.N.O.
- FOR GENERAL STRUCTURAL NOTES AND SPECIFICATIONS SEE S1.
- SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RECESSED SLABS, SLOPED AREAS IN SLABS ON GRADE, AND CURBS.
- VERIFY ALL OPENINGS AND DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
- OWNER TO VERIFY THAT THE GARAGE DOORS ARE ON THE CORRECT SIDE, AND MAY SLIDE ON DOORS WITH FOOTINGS TO HIS APPROVED LOCATION.



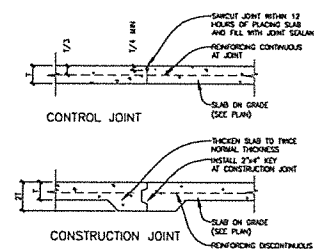
HOUSE FLOATING SLAB FOUNDATION PLAN



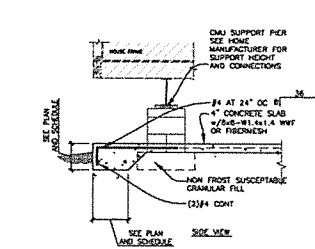
NOTE:
 ALL DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTOR TO DETERMINE CORRECT PIER PLACEMENT AS PER HOME MANUFACTURER'S INSTALLATION INSTRUCTIONS

HOUSE FOOTING SCHEDULE

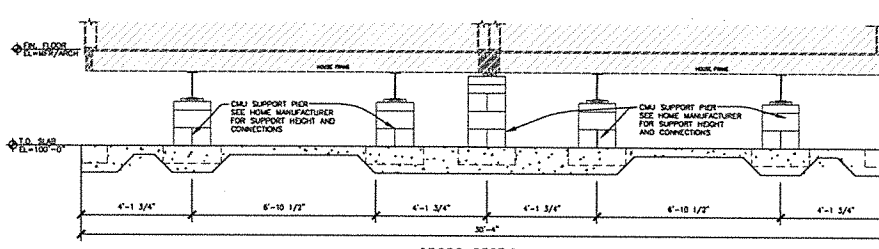
MK	SIZE	REINFORCING
TSE14	1'-4"x 1'-4" THICKENED SLAB EDGE	2-#4 CONT
TSE20	2'-0"x 2'-0"x 1'-0" THICKENED SLAB FTG	2-#4 EW



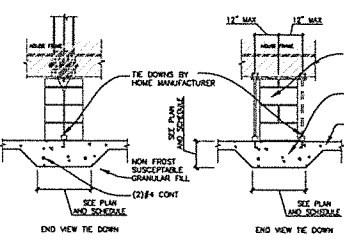
SECTION 1 CONTROL JOINT



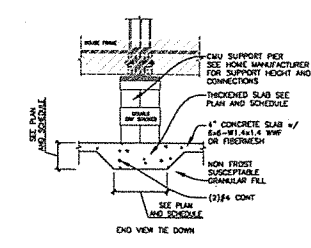
SECTION 2 SECTION DRY STACKED MAIN I-BEAM SUPPORT PIER ON FRAME



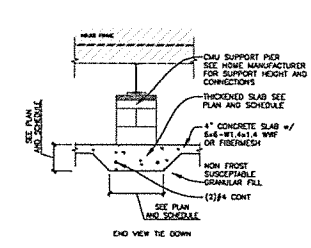
SECTION 3 THICKENED SLAB SECTION



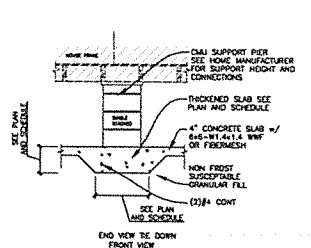
SECTION 4 SECTION MATING WALL COLUMN AT TIE DOWN BRACKETS



SECTION 5 SECTION MATING WALL COLUMN SUPPORT PIER



SECTION 6 SECTION DRY STACKED MAIN I-BEAM SUPPORT PIER ON FRAME



SECTION 7 SECTION DRY STACKED MAIN I-BEAM SUPPORT PIER ON FRAME

DUFFY ENGINEERING AND ASSOCIATES, INC.
 STRUCTURAL - CIVIL - SURVEYING
 MINNESOTA - LICENSED
 350 Highway 10 South
 Saint Cloud, MN 56304
 Phone: (320) 259-8575
 Fax: (320) 259-8991
 Email: mail@duffyeng.com

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ENGINEER under the laws of the state of MINNESOTA.

JOHN NOLT P.E.
 10-25-19 49214
 Date License No.

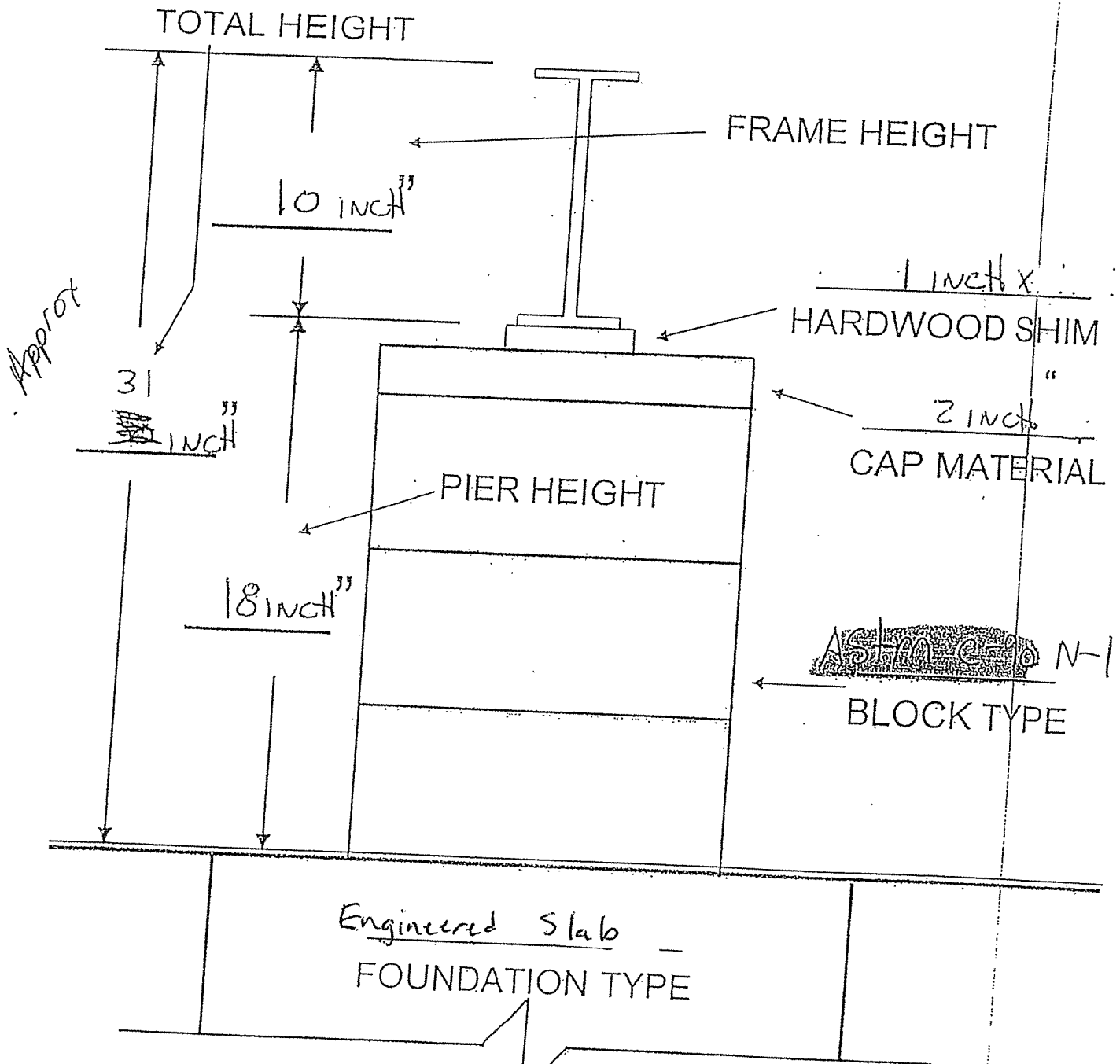
REVISIONS:	No.	Date	Action

**GENERAL SPECIFICATIONS
 FLOATING SLAB FND PLAN
 SECTIONS AND DETAILS**

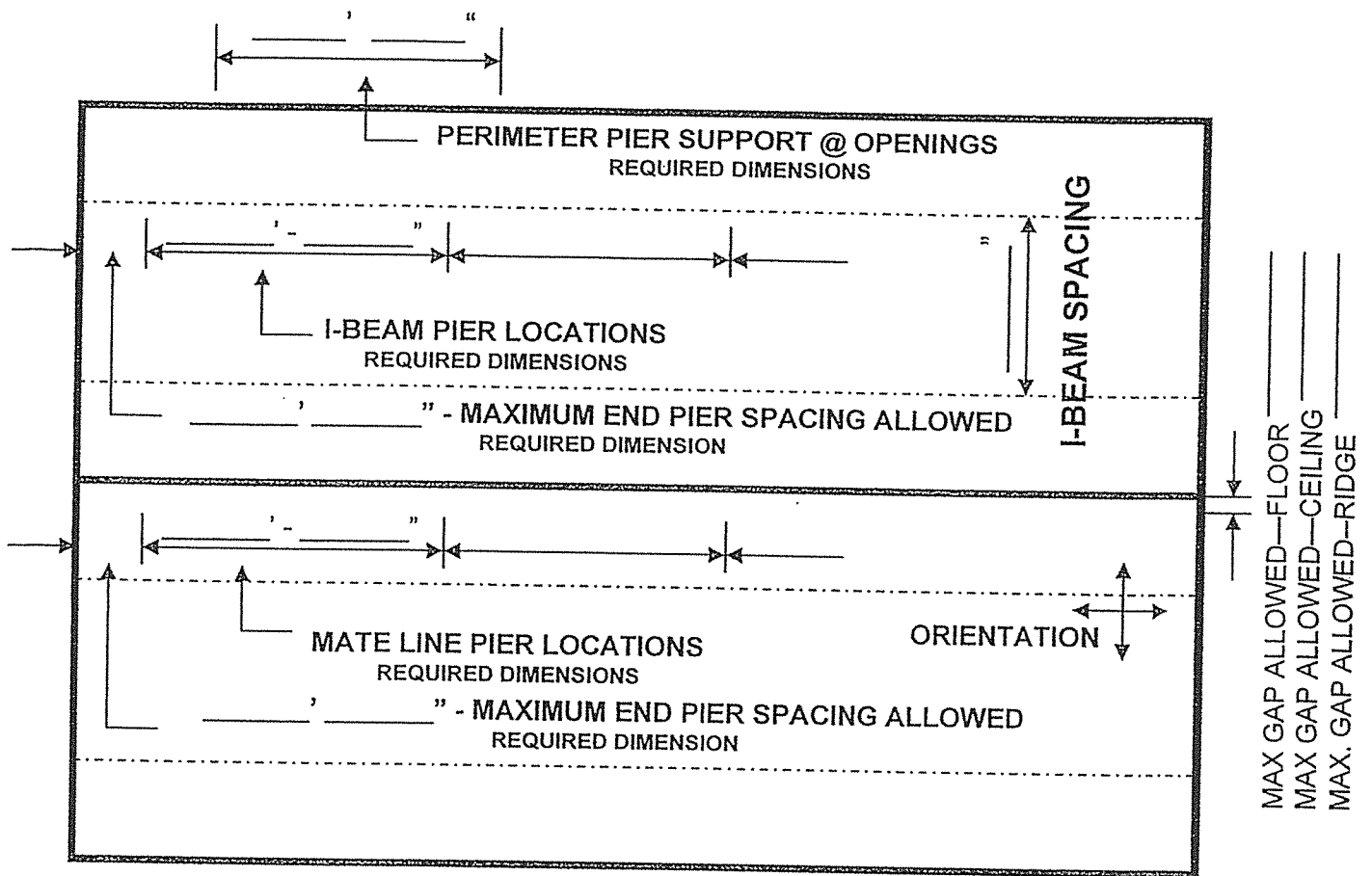
**JON RONHOWDE
 9500 335TH LANE
 AITKIN, MN**

Project No.: 19688
 Date: 10-25-19
 Drawn by: GLW
 Checked by: JMH

FRAME PIER SECTION VIEW



DOUBLE-WIDE SUPPORT PIER PLAN (TYPICAL)



MANUFACTURER INFORMATION

Name Friendship
 Home Size 32x64
 Maximum I-Beam Spacing 82 1/2"
 Door Openings _____
 I-Beam Loading PLF _____
 Maximum End Support (I-Beam) _____
 Ground Moisture Control Yes No
 Mate Line Loads _____
 Grading to Slope AWAY From Home yes

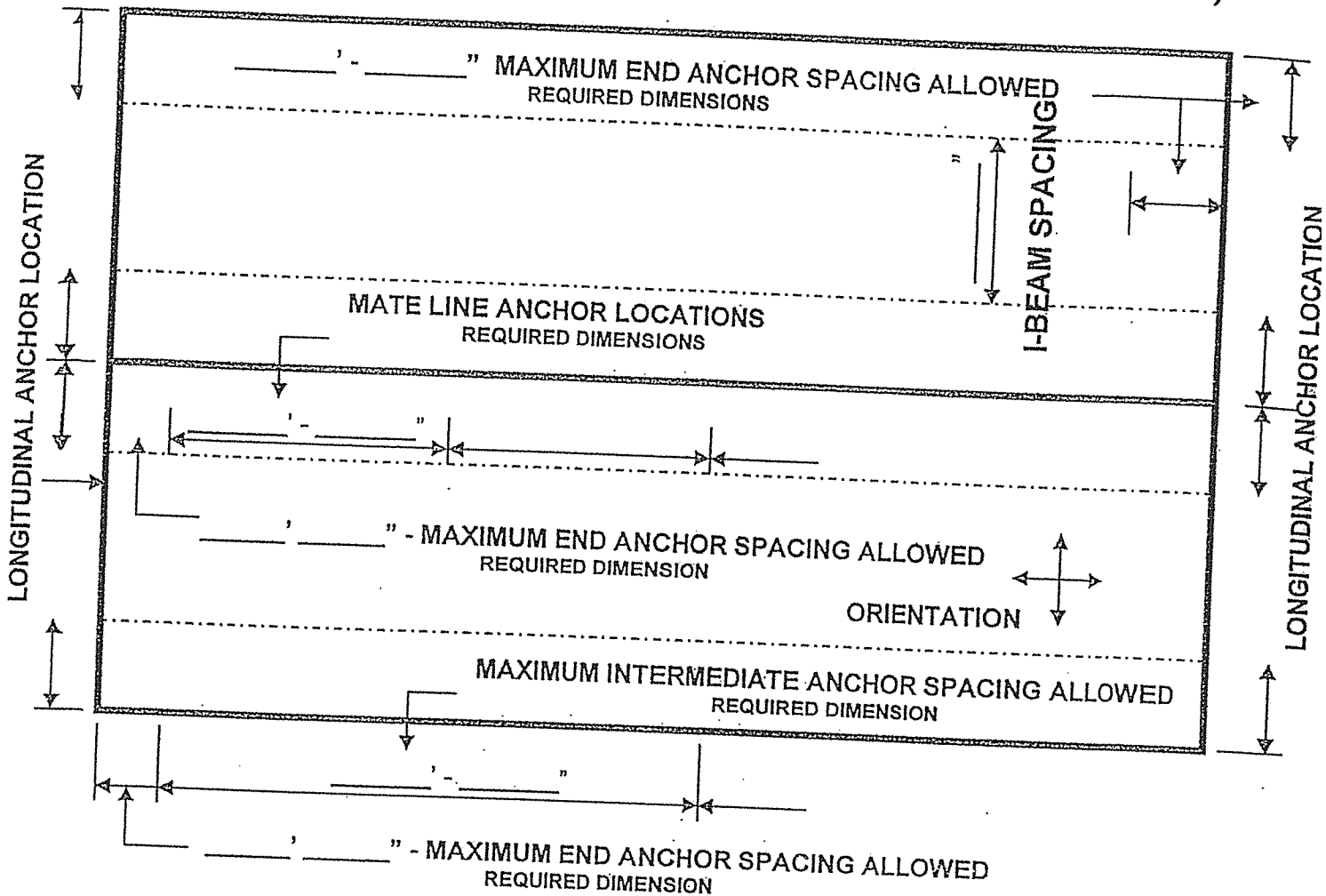
SOIL INFORMATION

Classification No. 3
 Soil Bearing Capacity 1500 psf

FOOTING INFORMATION

I-Beam _____ x _____ x _____
 Mate Line _____ x _____ x _____

DOUBLE-WIDE ANCHORING PLAN (TYPICAL)



MANUFACTURER INFORMATION

Name Friendship
 Home Size 32x64
 Maximum I-Beam Spacing 82 1/2"
 Maximum Anchor Spacing _____

SOIL INFORMATION

Classification No. 3
 Soil Bearing Capacity 1500 psf

ANCHORING INFORMATION


Ext. Wall Height 8 ft
 Roof Pitch 3/12
 Height From Ground to
 Frame Connection approx 32"


ANCHORING INFORMATION Cont.


Anchor Manufacturer XI2
 Lateral Anchors Req'd YES or NO
 Anchor P.N. _____
 Connector P.N. _____
 Longitudinal Anchors Req'd YES or NO
 Anchor P.N. _____
 Connector P.N. _____
 No. Per End _____
Mate Line
 Lateral Anchors Req'd YES or NO
 Anchor P.N. _____
 Connector P.N. _____

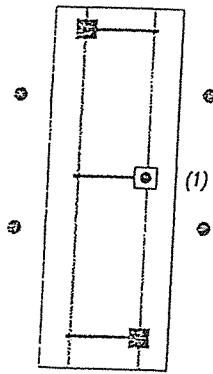
* P.N. = Part or Product Number

Xi2 Lateral Stabilization with Concrete Footers

 Xi2 Pier Placement

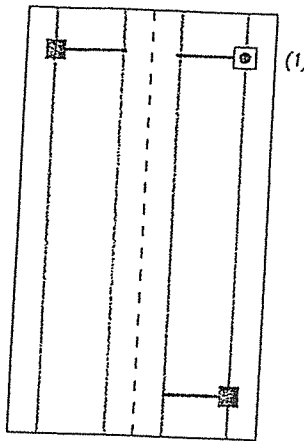
 3rd System for homes over 80'

 30" Anchor w/vertical strap or frame tie w/stabilizer plate, within 10' of end of home



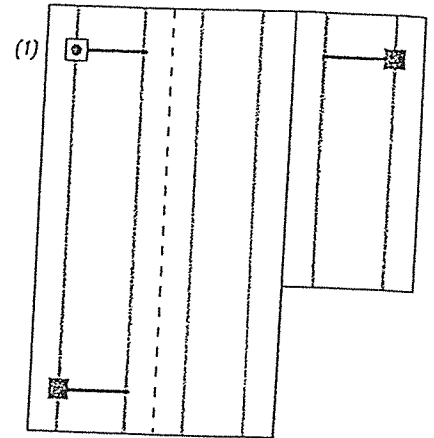
Single Section Home

0 - 80'(76' Box) 2 Xi2 Systems
(1) Over 80'(76' Box) 3 Xi2 Systems



Double Section Home

0 - 80'(76' Box) 2 Xi2 Systems
(1) Over 80'(76' Box) 3 Xi2 Systems



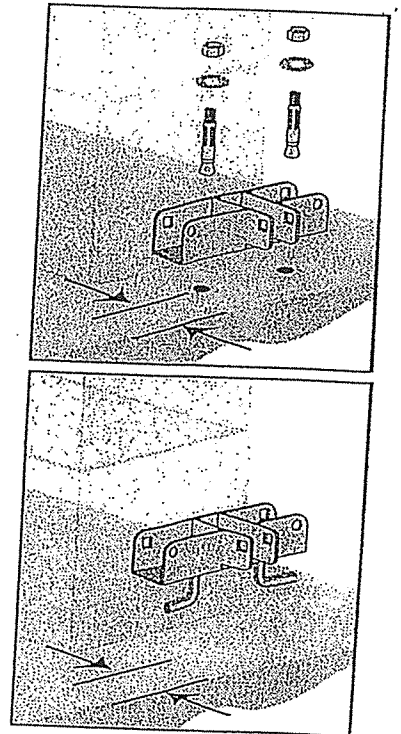
Triple Section Home

0 - 80' (76' Box) 2 Xi2 Systems
(1) Over 80' (76' Box) 3 Xi2 Systems

NOTE: Diagram represents single section up to 16' width, double section up to 32' width, and triple section homes up to 48' width. Single section homes have an "overturning moment" in high winds, requiring two anchors per side.

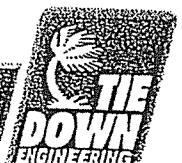
Installation of Concrete Bracket: Dry Set/Wet Set

1. Identify the number of systems to be used on the home using the chart provided.
2. Identify the location where the lateral systems will be installed.
3. Build pier according to State, Local or Home Manufacturers guidelines.
- 4a. For dry set: drill two 3/8"x 3" deep holes in the concrete using holes in galvanized bracket as a guide. Attach bracket to concrete pad using 3/8"x3-1/2" wedge anchors provided. Place nut & washer on anchor, leave enough room for 1 to 2 threads showing on top of bolt. Using a hammer, tap the wedge bolts into hole through bracket, leaving nut & washer flush with bracket. Using a 9/16" socket wrench, tighten wedge/anchor bolt, securing bracket to the concrete.
- 4b. For wet set: align bracket and submerge legs completely in concrete. Bottom of bracket should rest on surface.
5. Attach the end of the smaller tube to the bracket mounted on the pad, using the grade 5, 1/2" x 2-1/2" bolt/nut provided.
6. Attach the flag end of the larger tube to the opposite I-beam using the "J" bolt over the top of the I-beam with the nut & washer provided. (Figure 1 on last page)
7. Install a minimum of four (#12 x 1" Tek screws) self-tapping screws into the holes provided in the lateral strut so that the two tubes are connected together (Figure 2 on last page).



Minimum distance from edge: 1-1/2"

TIE DOWN ENGINEERING • 5901 Wheaton Drive • Atlanta GA, 30336
www.tiedown.com • (404) 344-0000 • FAX (404) 349-0401



122105.D666



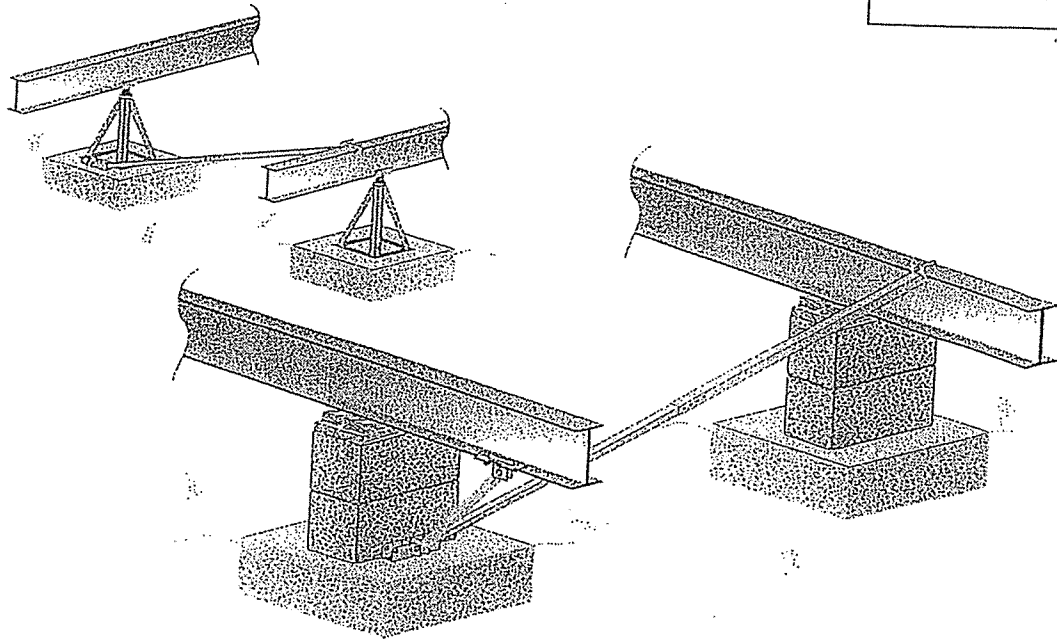
Concrete Foundation System

Installation Instructions for Wind Zone I
By Tie Down Engineering

Updated: 12/21/2005

- Easy installation
- Stabilizer plates and diagonal frame ties are not required in most set-ups
- Longitudinal stabilization is easily added with Tie Down's LSD strut kit.
- Heavy galvanized coating* on bracket and struts.

Part #59307
Xi2 Concrete System



REQUIREMENTS

- Install in any type of soil, 4B (175-275 lbs) or better.
- Maximum vertical projection at sidewall is 9'. Higher walls may be used when the design loads are adjusted accordingly.
- Poured concrete must be 2,500 PSI minimum at 28 days.
- Square concrete pads minimum is 18" wide by 12" deep. Round concrete pads minimum is 18" wide by 14" deep. Strip footings minimum is 18" wide by 14' long by 6" deep.
- Main rail spacing must be 75.5" - 99.5".
- Additional vertical anchor ties that are unique to a home's design may be required by the home manufacturer. These locations may include shear walls, marriage line ridge beam support posts, and rim plates. The longitudinal component of the Xi2 system replaces end frame ties, check manufacturer set up requirements.
- Maximum pier height is 48".
- Systems must be placed as evenly as possible, no more than 10' from end of home.
- Additional systems may be needed for roof slopes greater than 20 degrees, 4.37" in 12" pitch, see page 3.
- Two systems designed to work in conjunction with each other.

* Xi2 components exceed HUD code 3280.307g "Anchoring equipment exposed to weathering shall have a resistance to weather deterioration at least equivalent to that provided by a coating of zinc on steel of not less than 0.30 ounces per square foot of surface coating...."

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