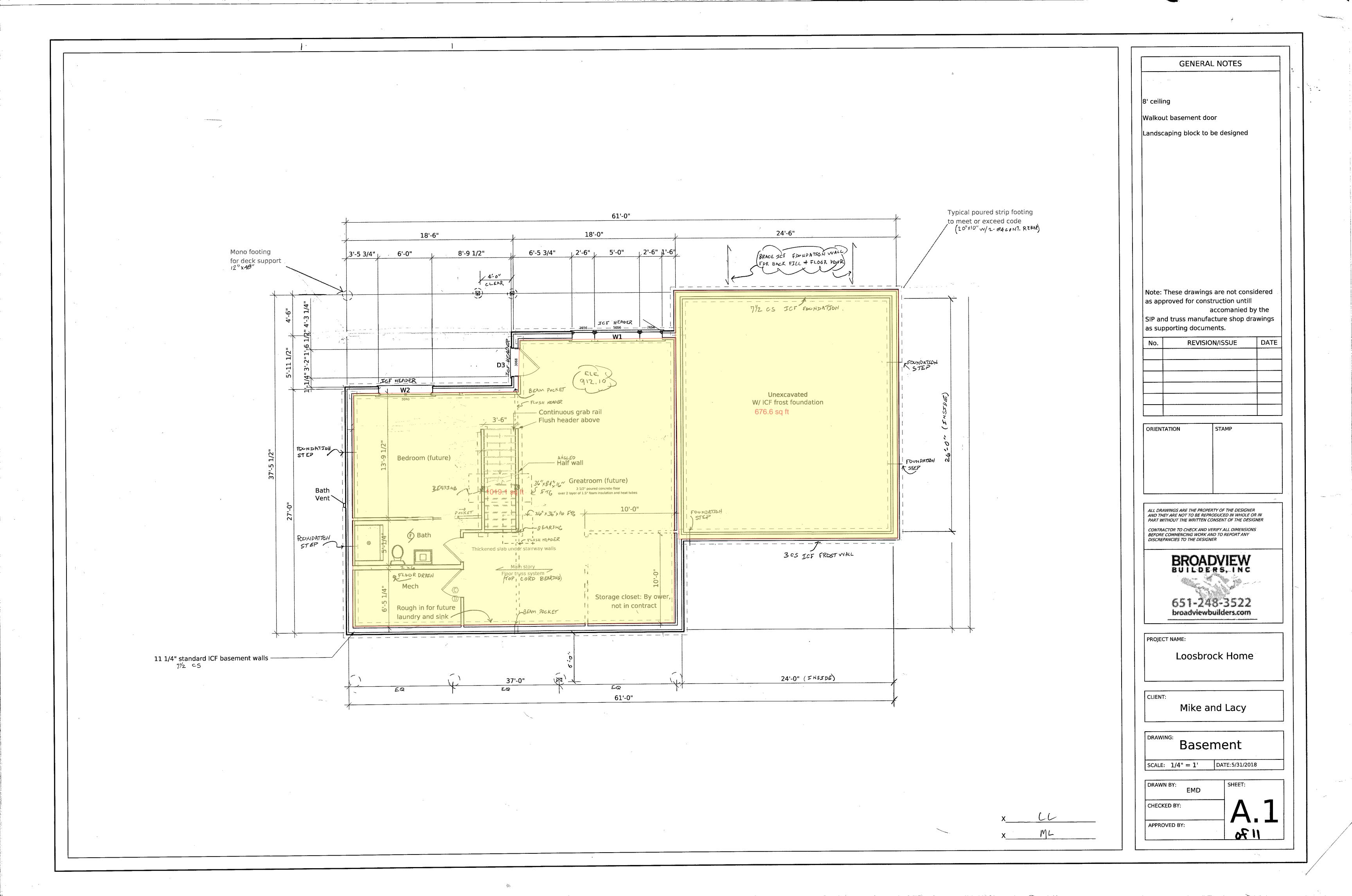


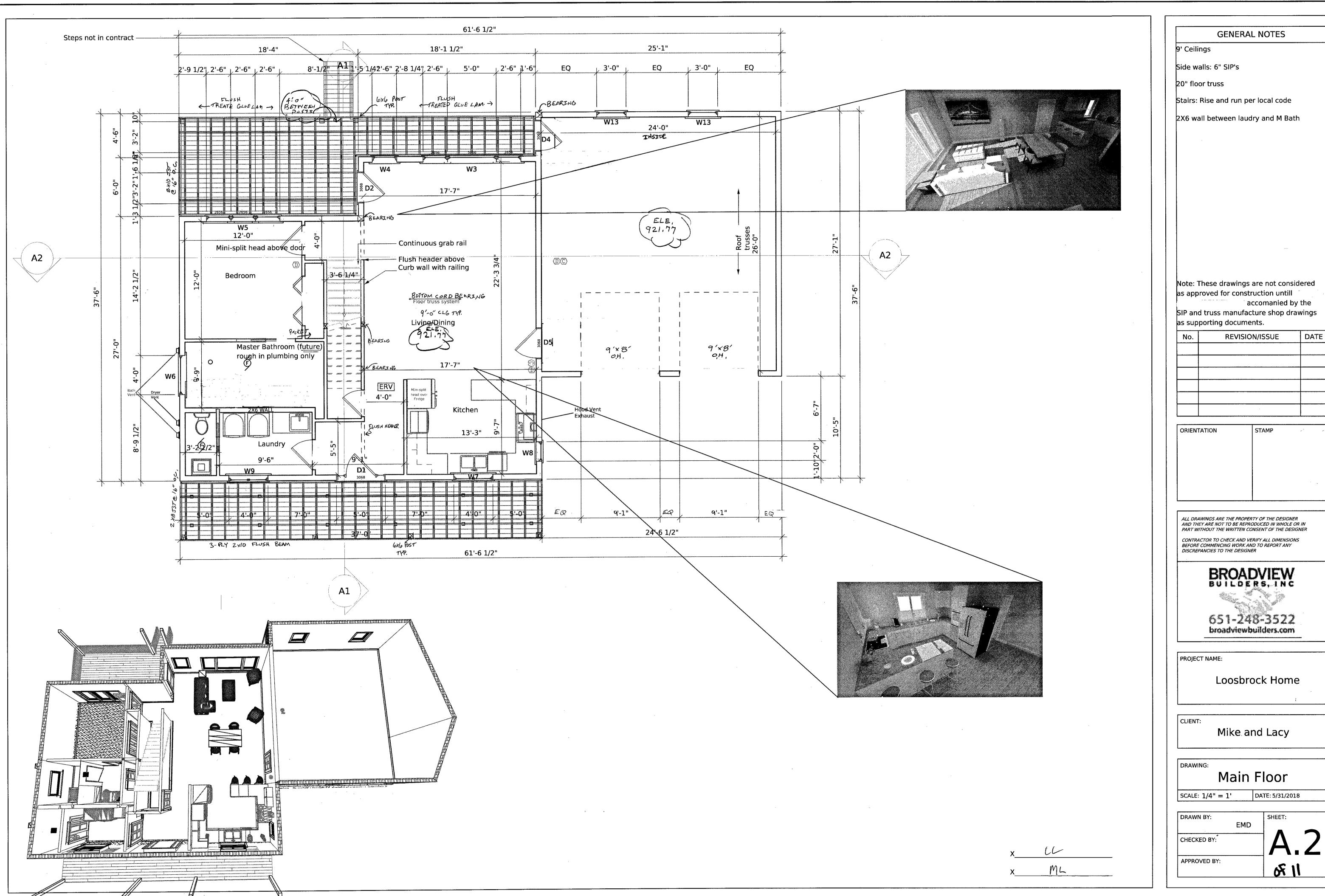
4535 Lakeshore Place Arden Hills, MN 5512-1925

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**GENERAL NOTES** All dimensions are to framing SIP's structure ICF foundation walls Full basement: Future finished Shutters: By owner Roof overhang 1' 6" Facia boards Note: These drawings are not considered as approved for construction untill accomanied by the SIP and truss manufacture shop drawings as supporting documents. REVISION/ISSUE DATE ALL DRAWINGS ARE THE PROPERTY OF THE DESIGNER AND THEY ARE NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF THE DESIGNER CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK AND TO REPORT ANY DISCREPANCIES TO THE DESIGNER Loosbrock Mike and Lacy DRAWING: SCALE: N/A DATE: 5/31/2018 DRAWN BY:

APPROVED BY:





**GENERAL NOTES** 

2X6 wall between laudry and M Bath

as approved for construction untill accomanied by the

SIP and truss manufacture shop drawings

No.	REVISION/ISSUE	DATE
	-	

ORIENTATION	STAMP	-1	-

ALL DRAWINGS ARE THE PROPERTY OF THE DESIGNER AND THEY ARE NOT TO BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF THE DESIGNER

CONTRACTOR TO CHECK AND VERIFY ALL DIMENSIONS BEFORE COMMENCING WORK AND TO REPORT ANY DISCREPANCIES TO THE DESIGNER

BROADVIEW

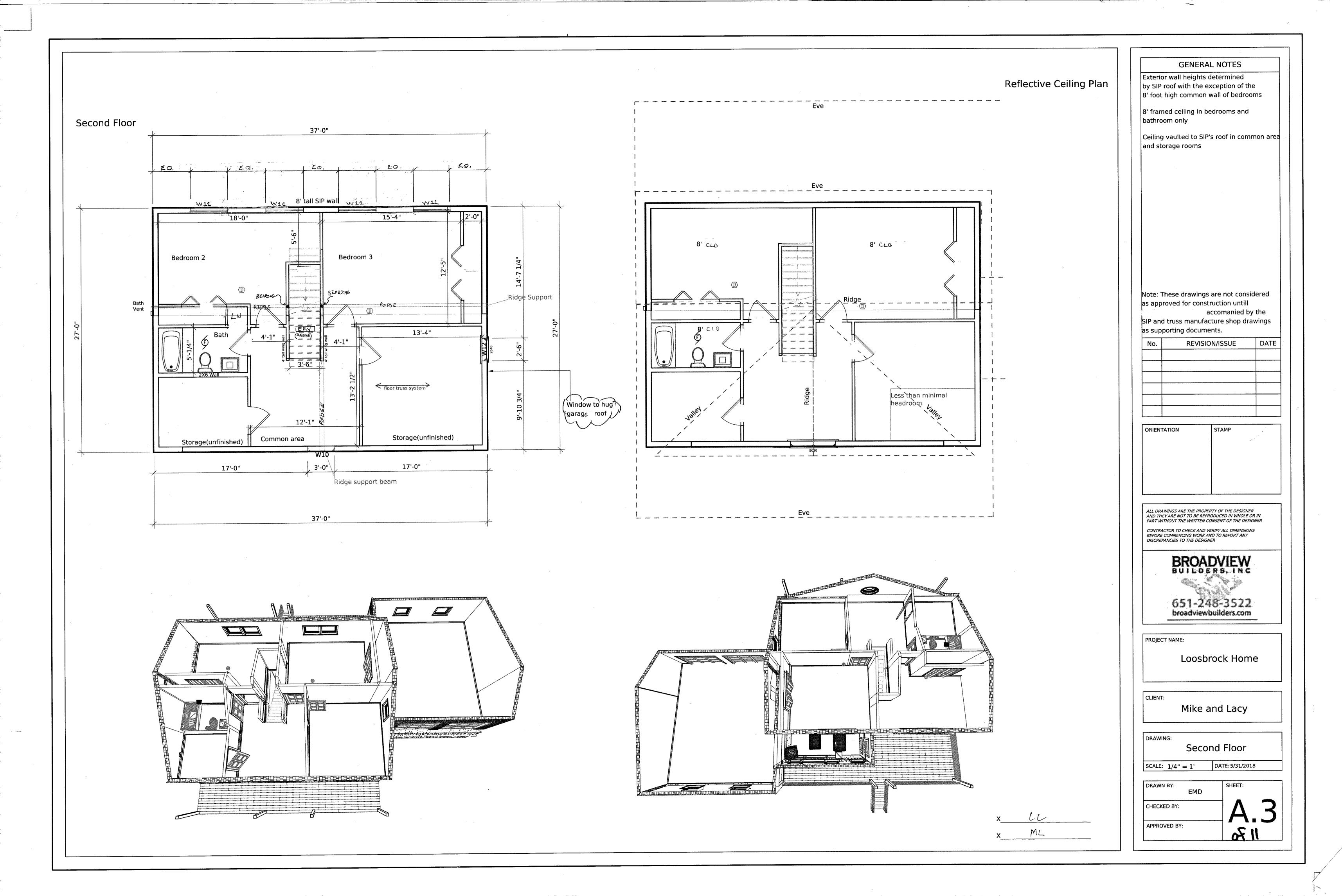
651-248-3522 broadviewbuilders.com

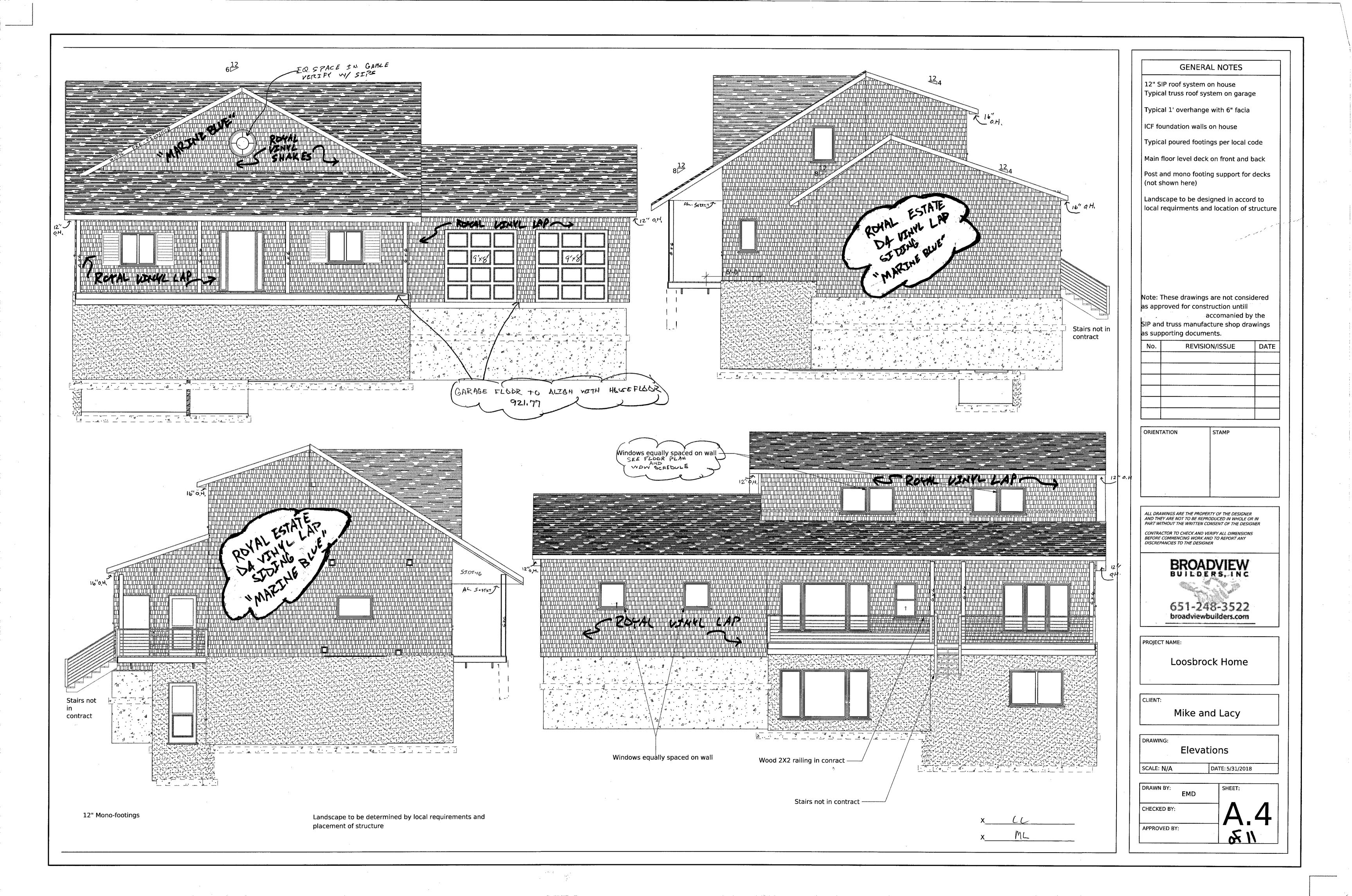
Loosbrock Home

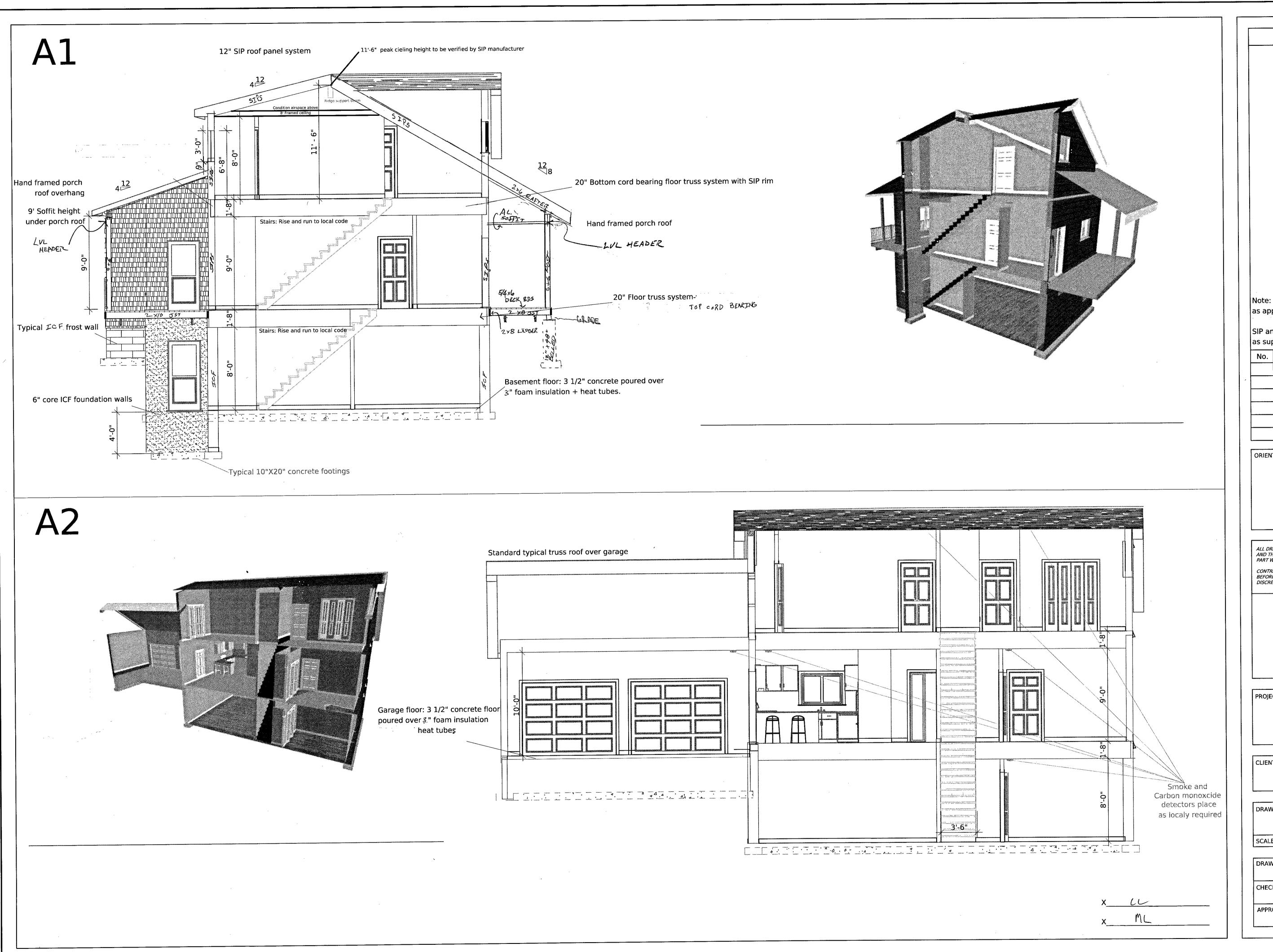
Mike and Lacy

DATE: 5/31/2018

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**GENERAL NOTES** 

Note: These drawings are not considered as approved for construction untill accomanied by the

SIP and truss manufacture shop drawings as supporting documents.

	No.	REVISION/ISSUE	DATE
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BROADVIEW BUILDERS, INC

651-248-3522 broadview builders.com

PROJECT NAME:

Loosbrock Home

CLIENT:

Mike and Lacy

DRAWING:

Sections

SCALE: N/A DATE:5/31/2018

DRAWN BY: CHECKED BY: APPROVED BY: 1170

SIP roof panels Typical framed truss roof 4/12 Handframe 4/12 1Russ 4/12 SエアS 8/12 TRUSS 8/12 8/12 S≠7S STAS 6/12 STB 6/12 S*TP*S

GENERAL NOTES

Typical 12" over hang

SIP Roof system to be engineered over house Truss roof system to be engineered over garage

Note: These drawings are not considered as approved for construction untill accomanied by the

SIP and truss manufacture shop drawings as supporting documents.

No.	REVISION/ISSUE	DATE

ORIENTATION	STAMP	<i></i>
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651-248-3522 broadviewbuilders.com

PROJECT NAME:

Loosbrock Home

CLIENT:

Mike and Lacy

DRAWING:

Roof Layout

SCALE: N/A

DATE: 5/31/2018

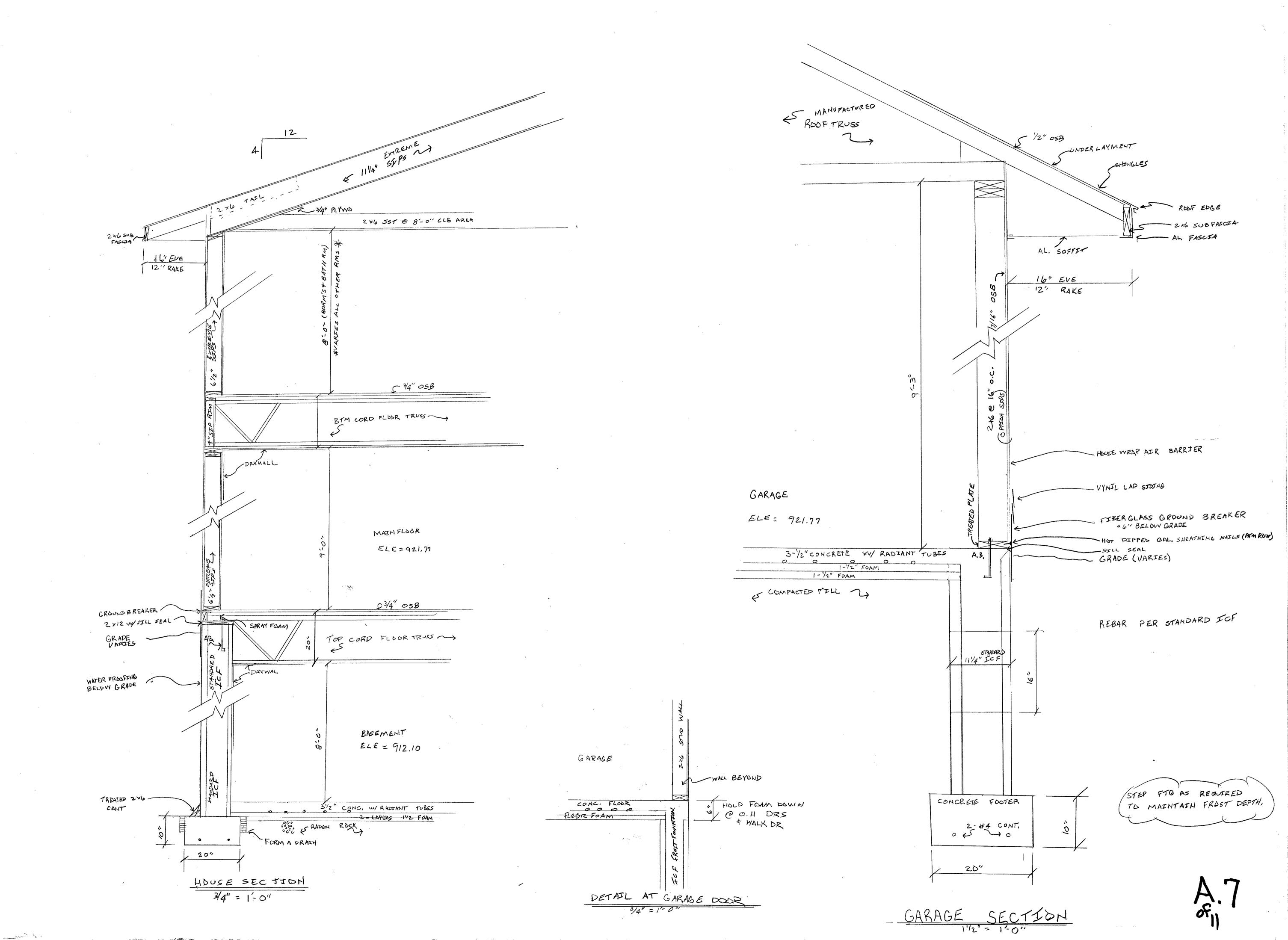
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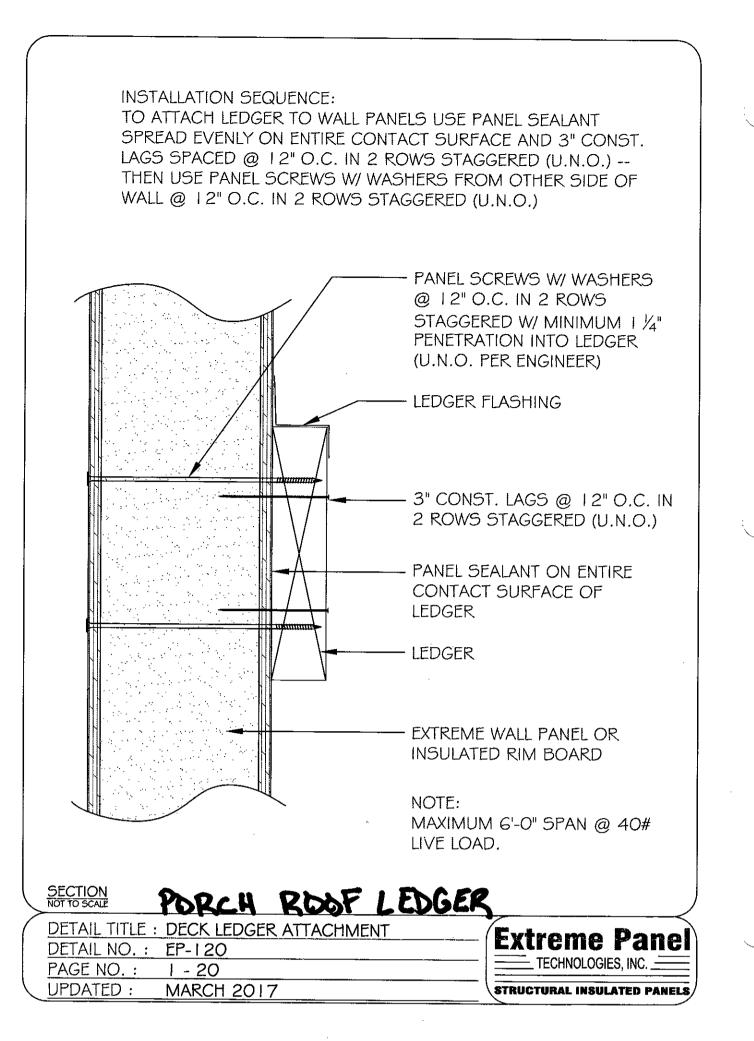
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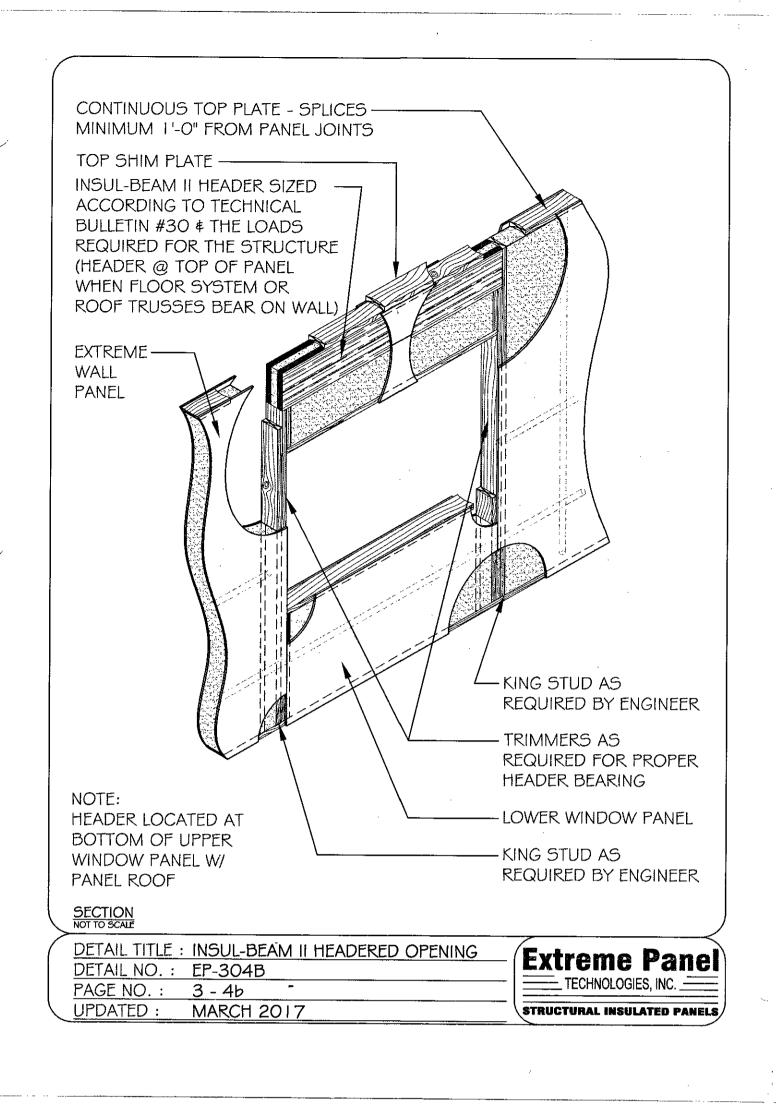
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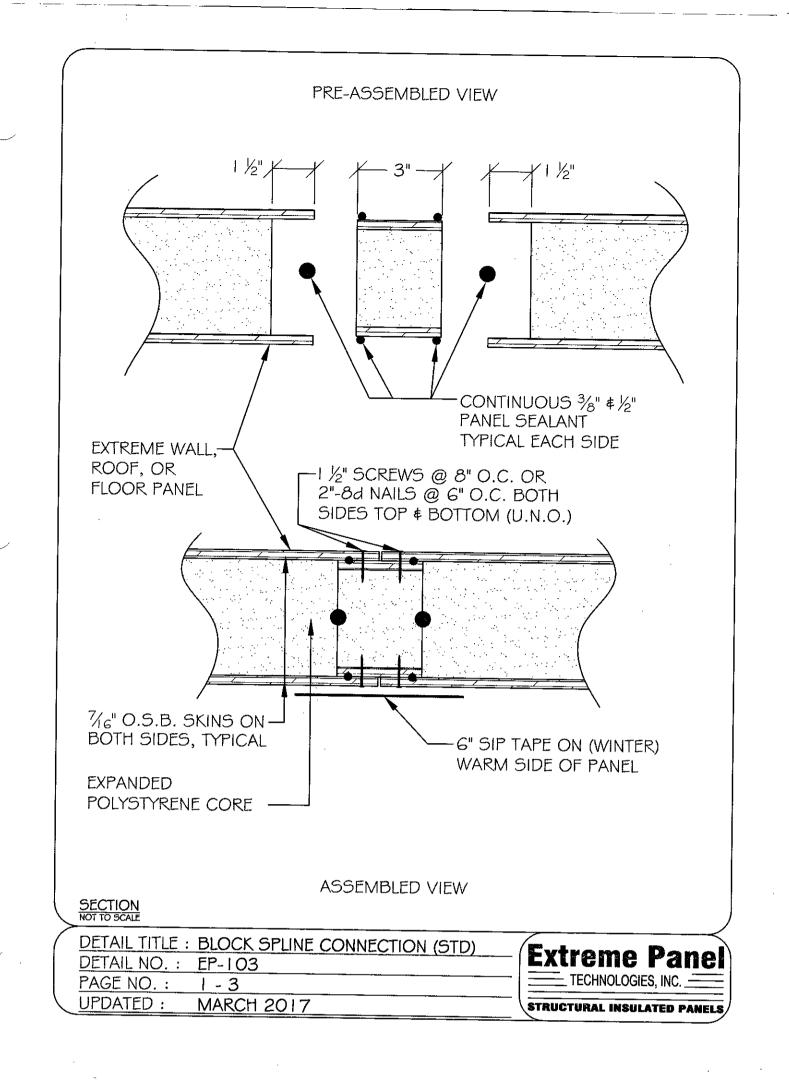
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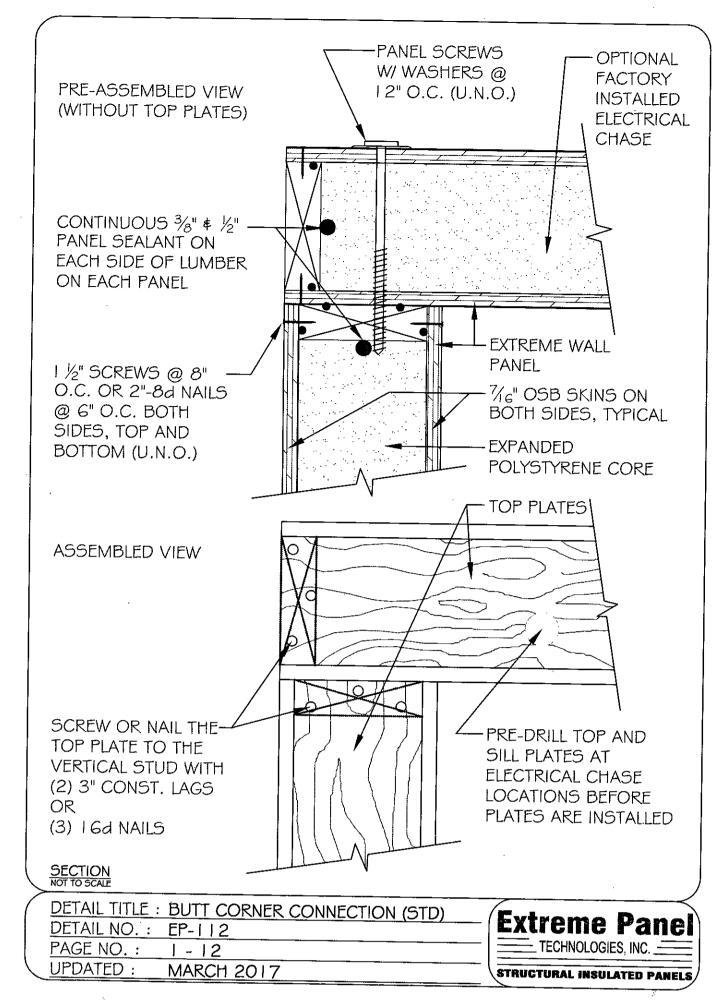
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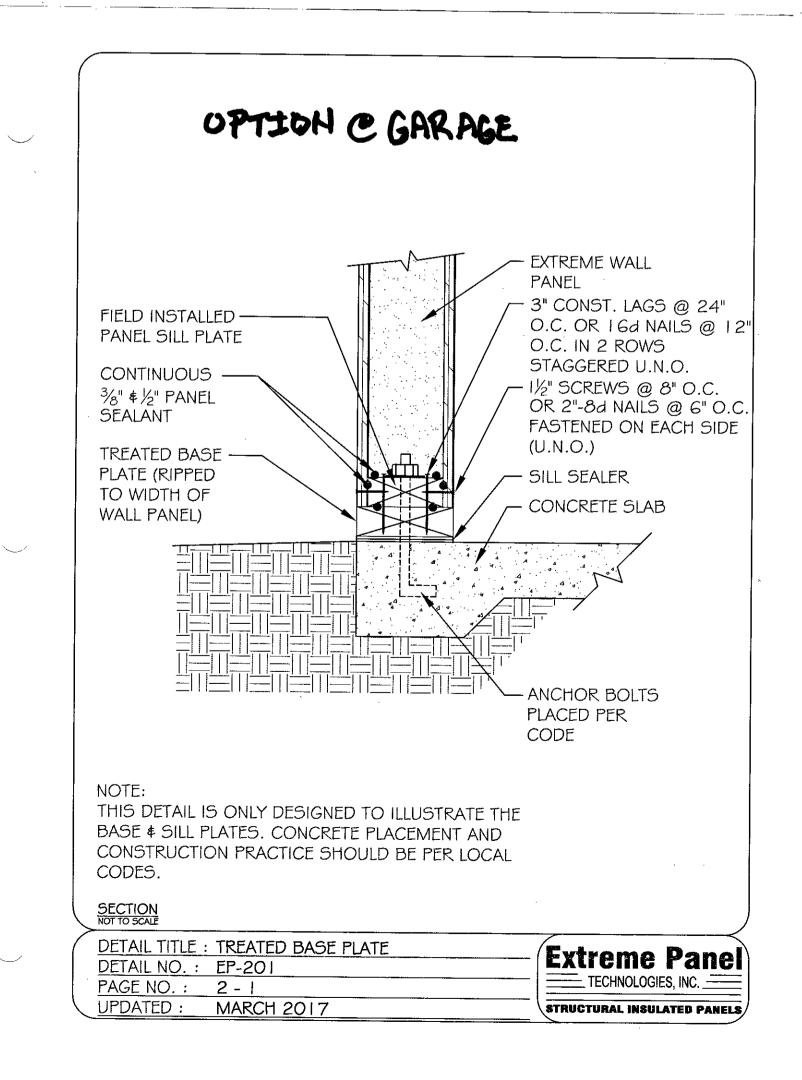


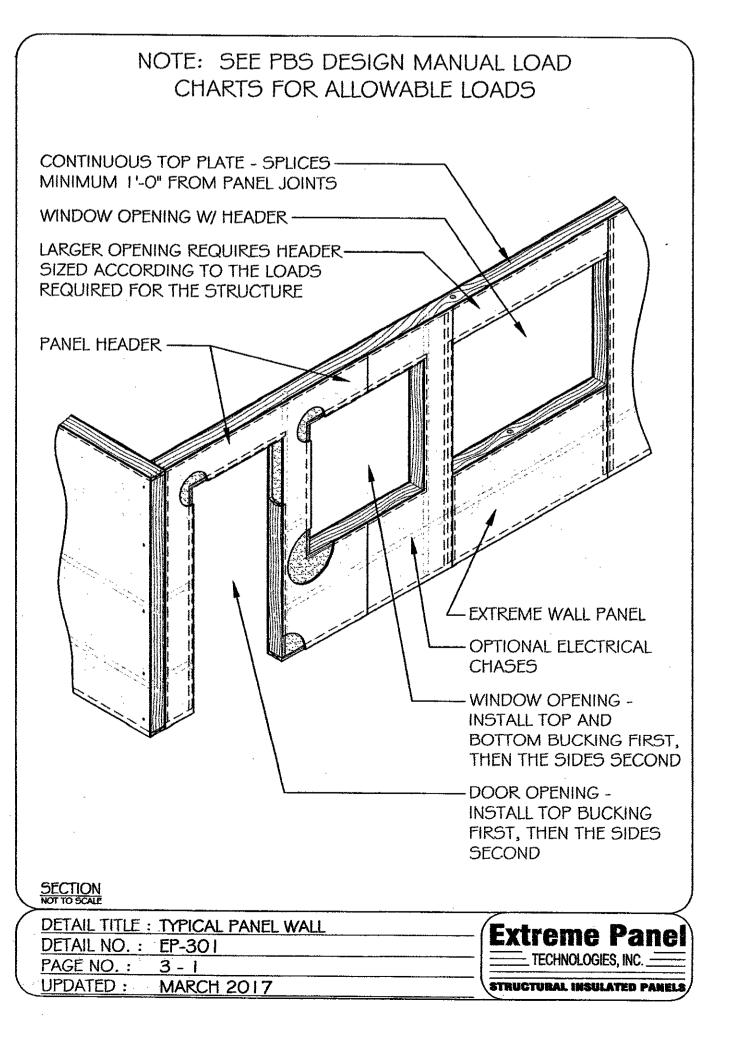


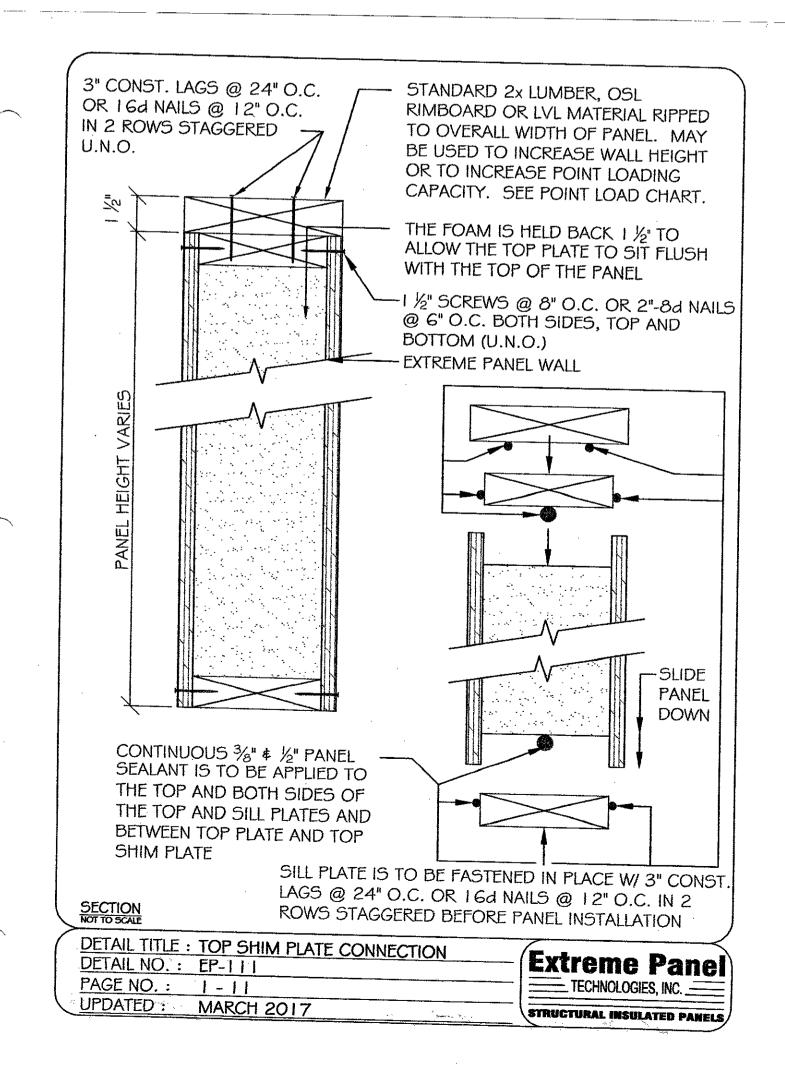


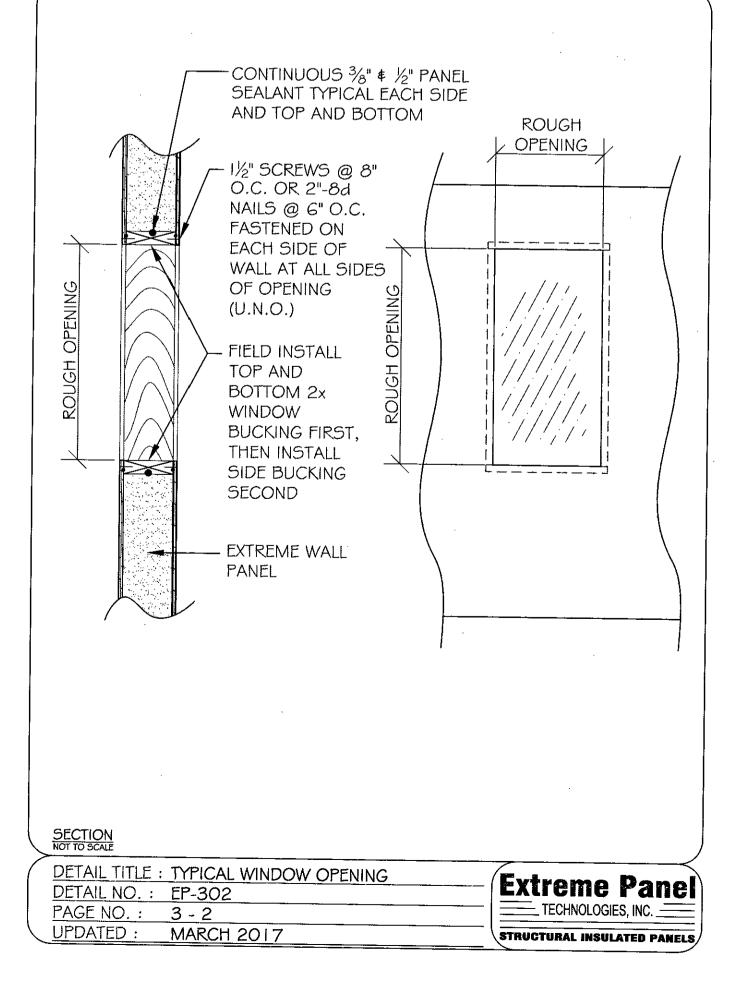


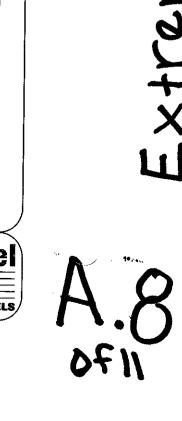


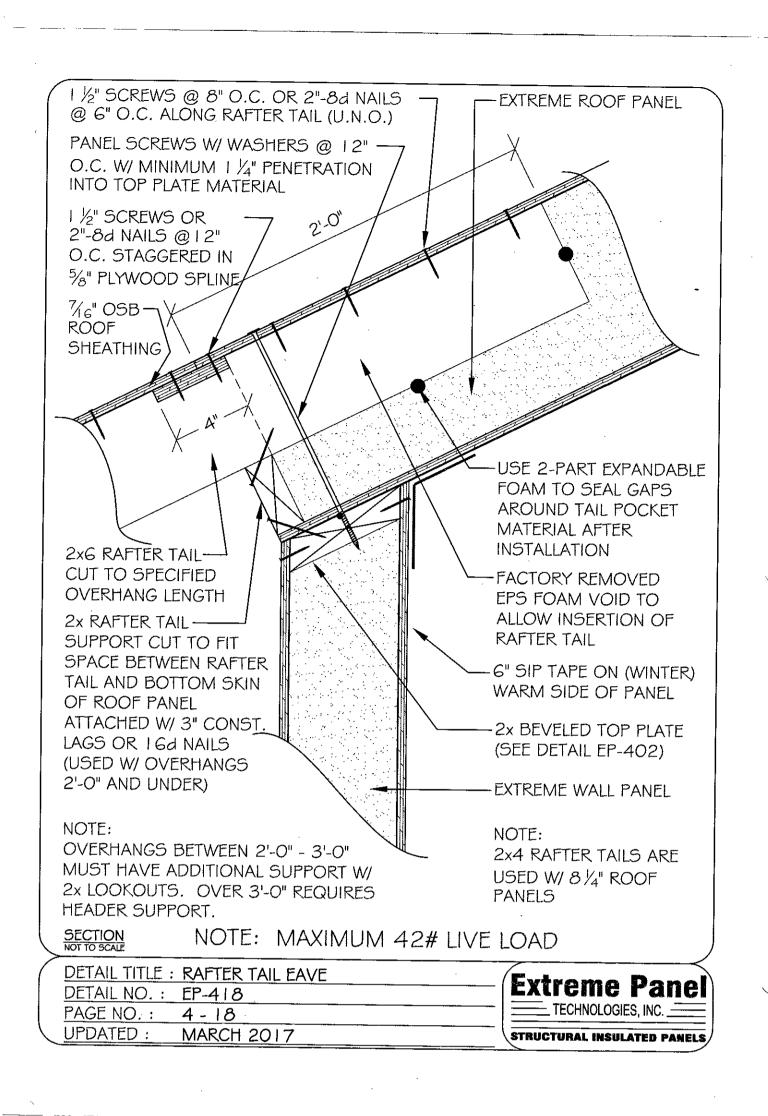


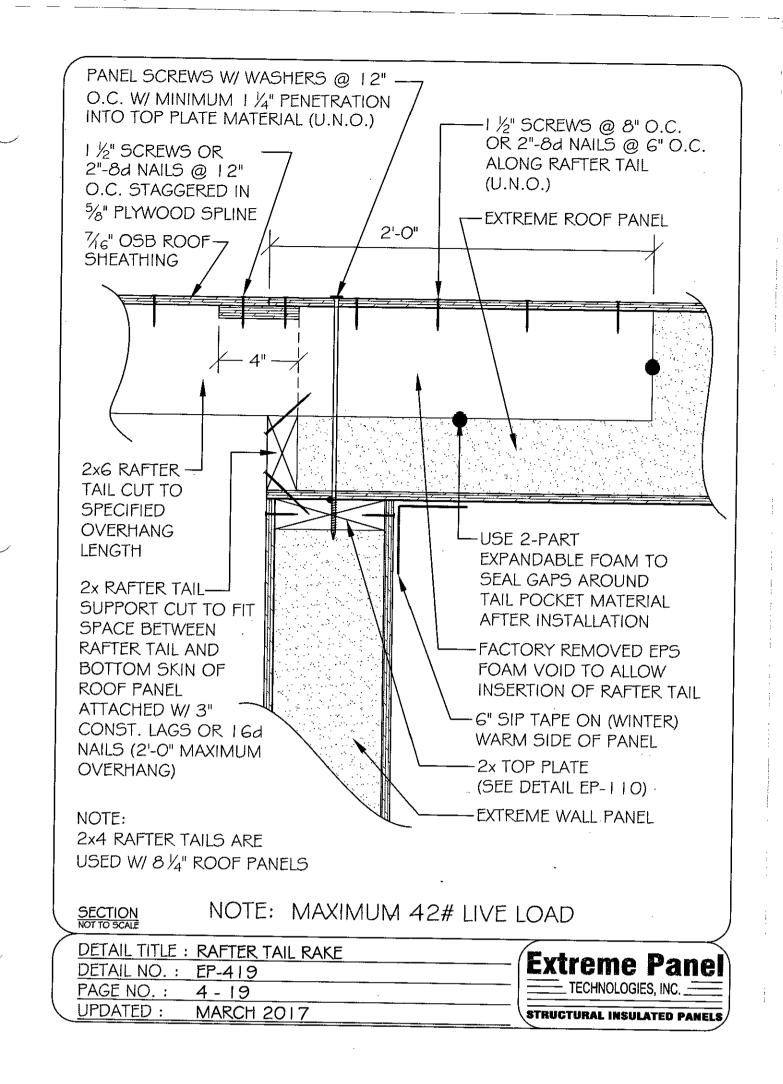


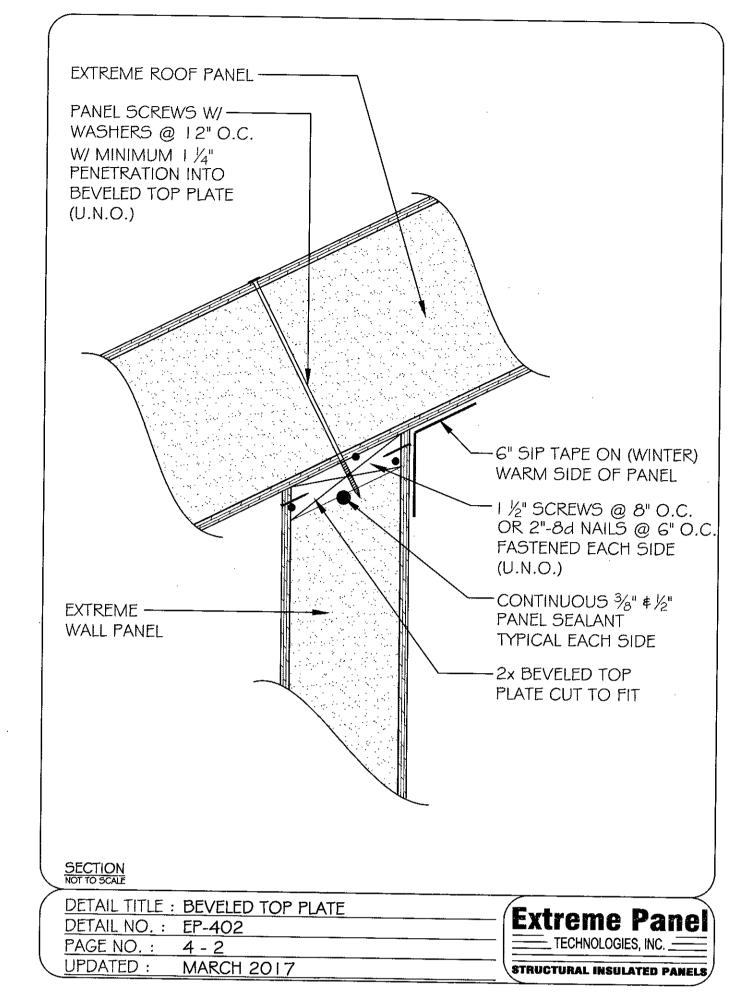


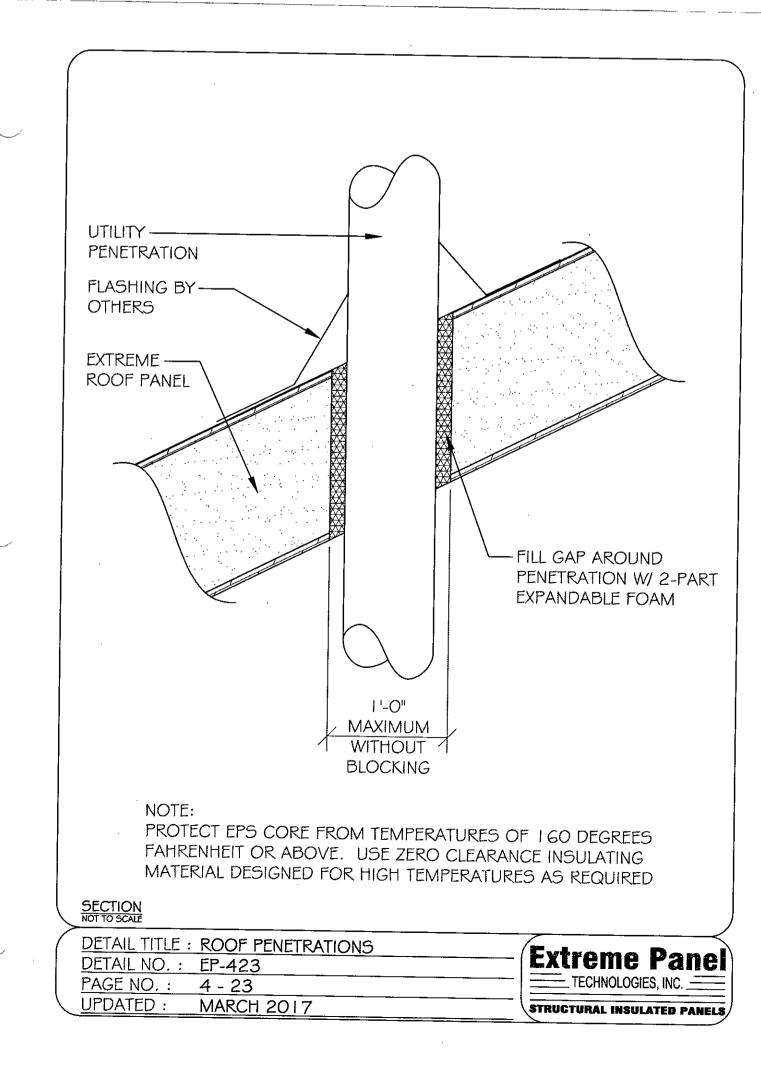


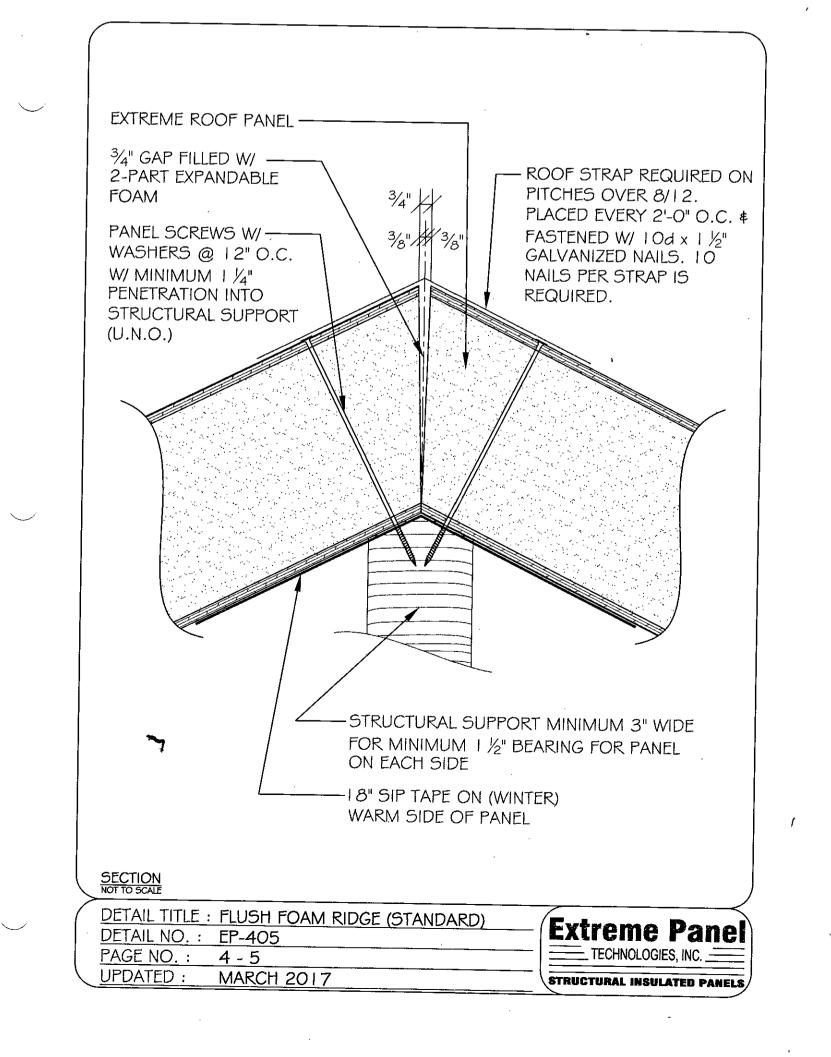


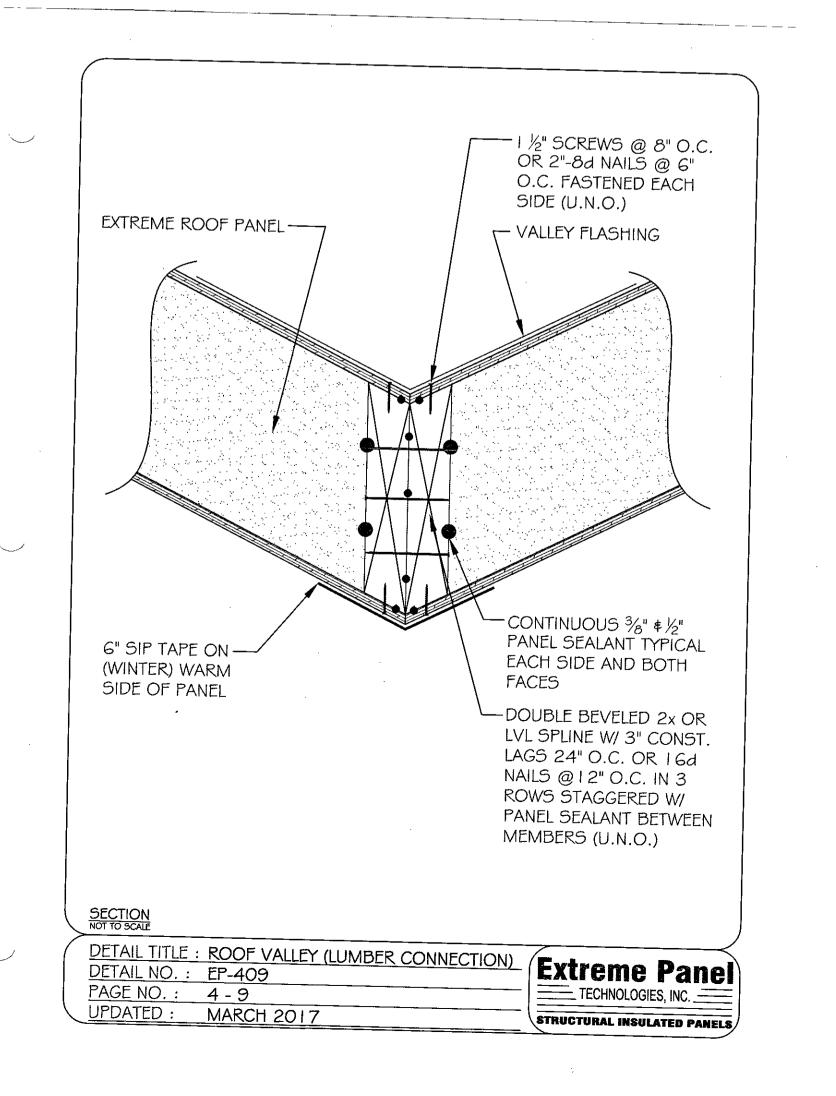




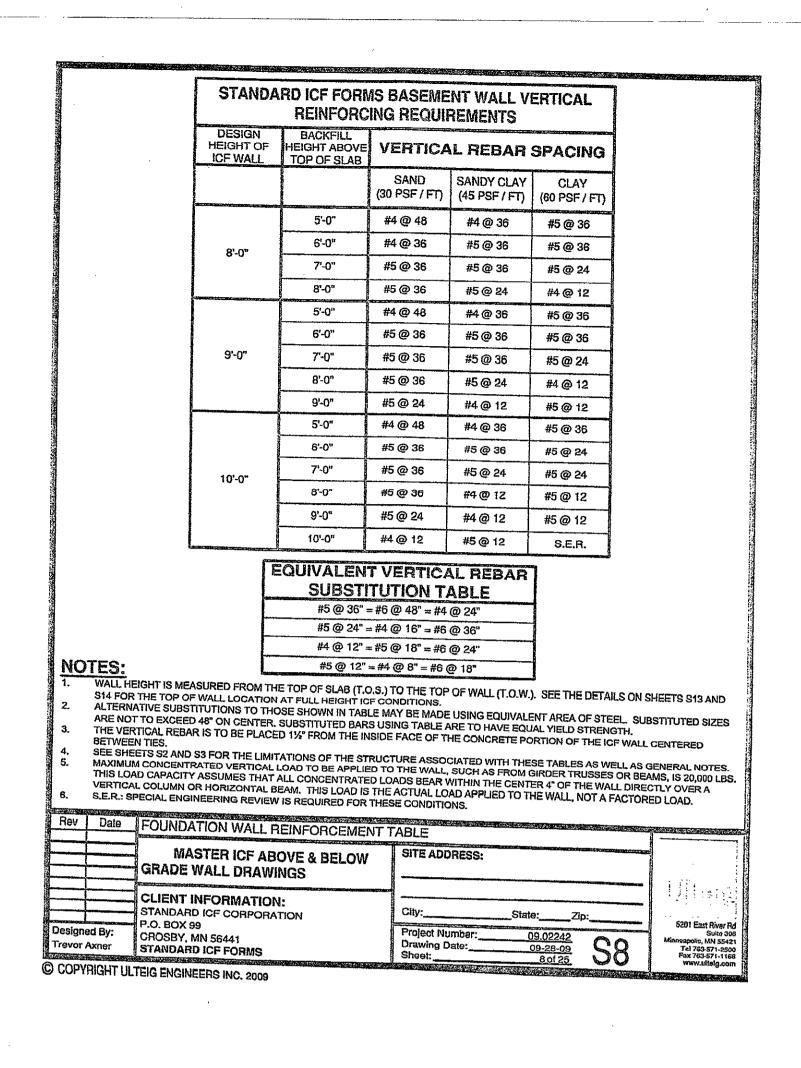


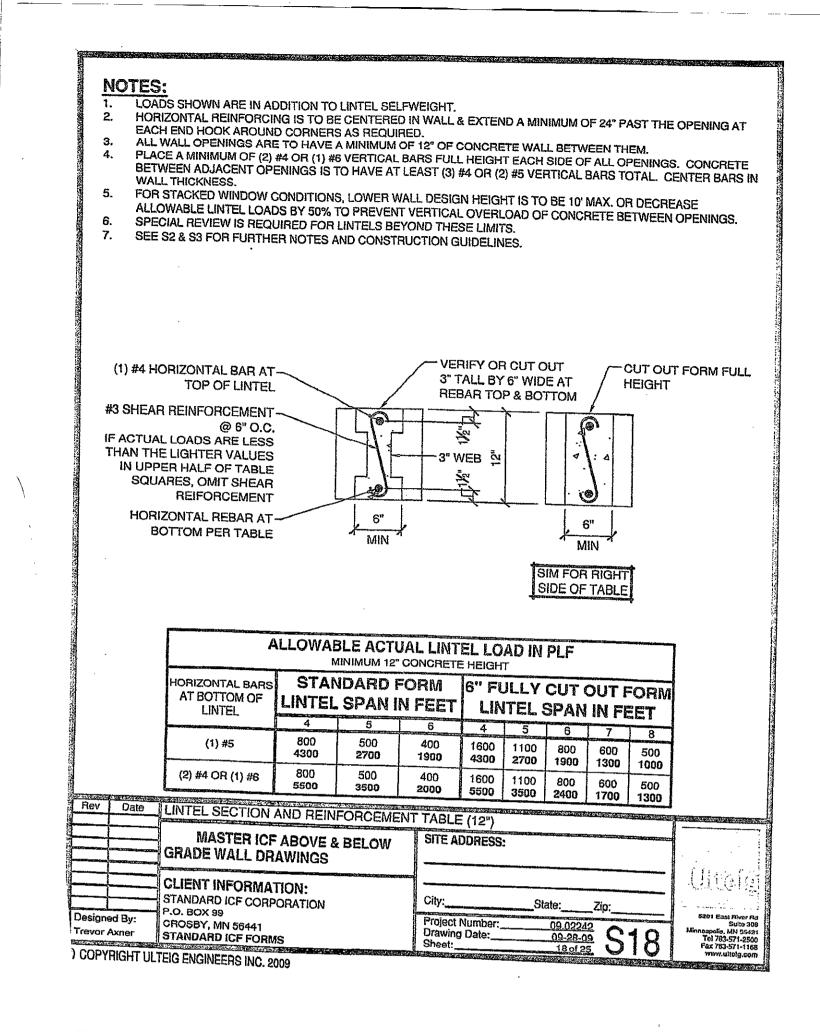


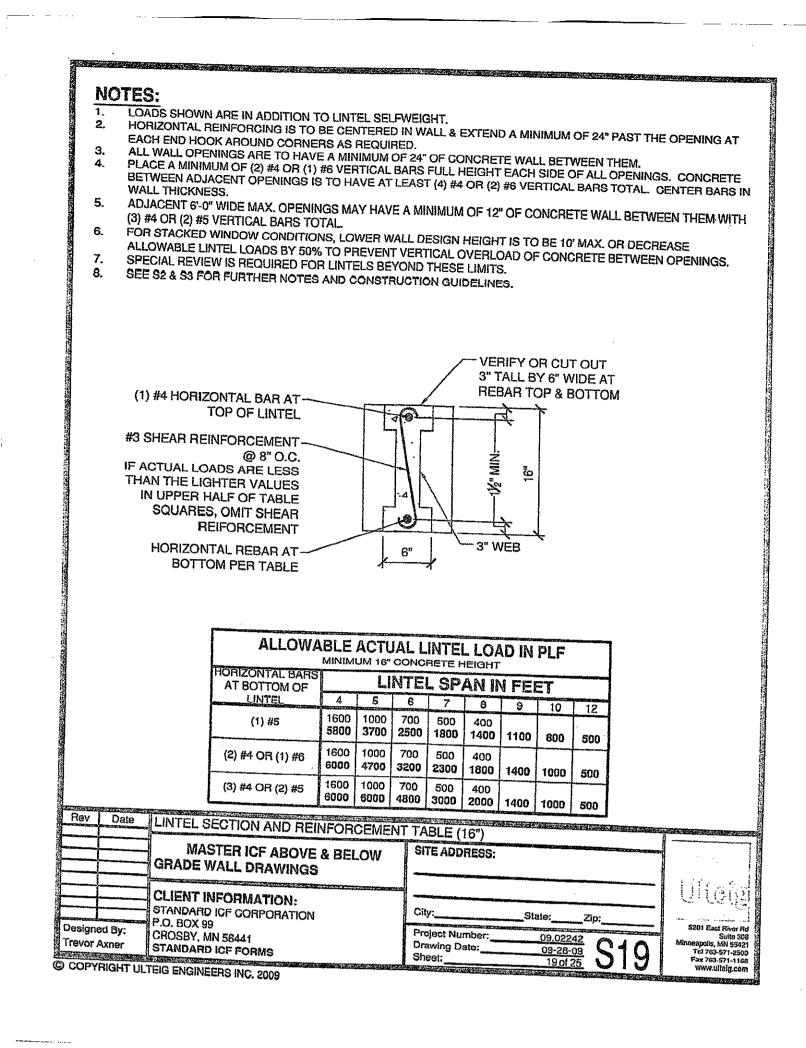


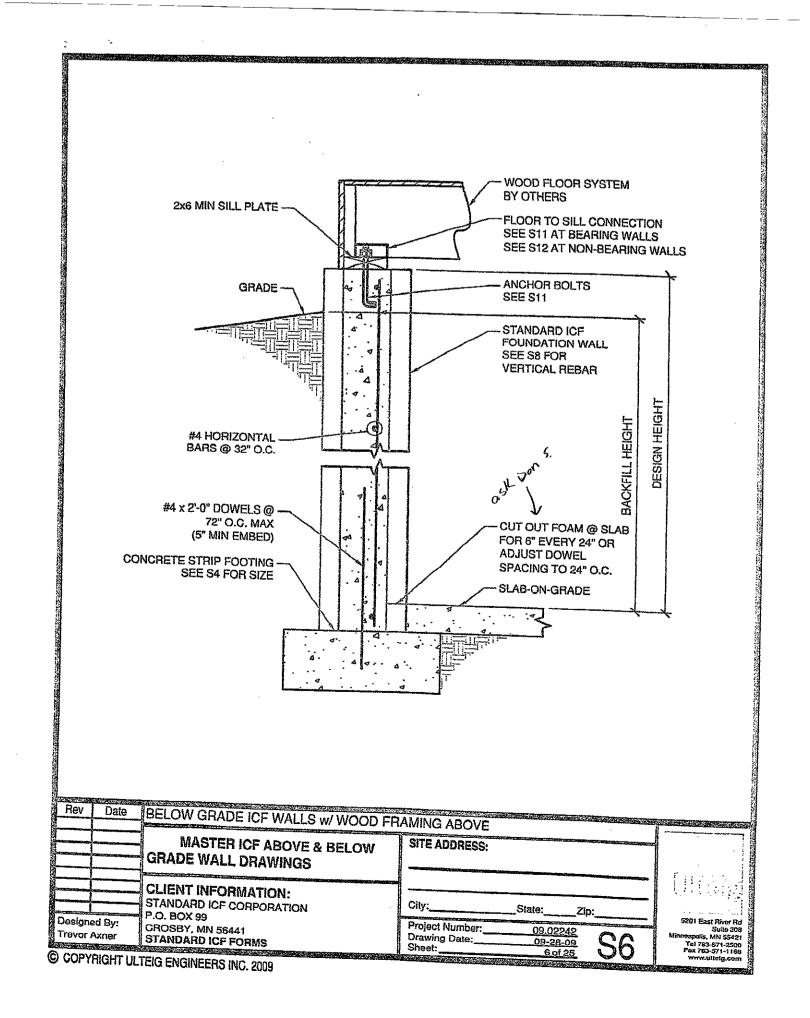


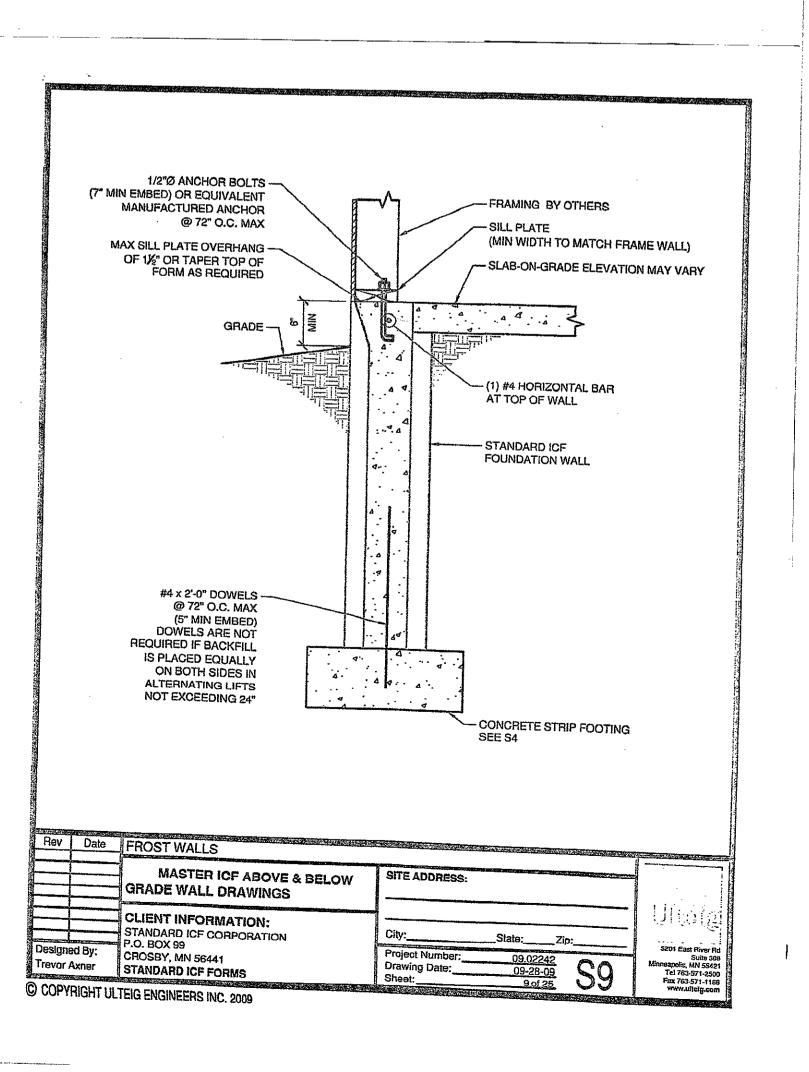
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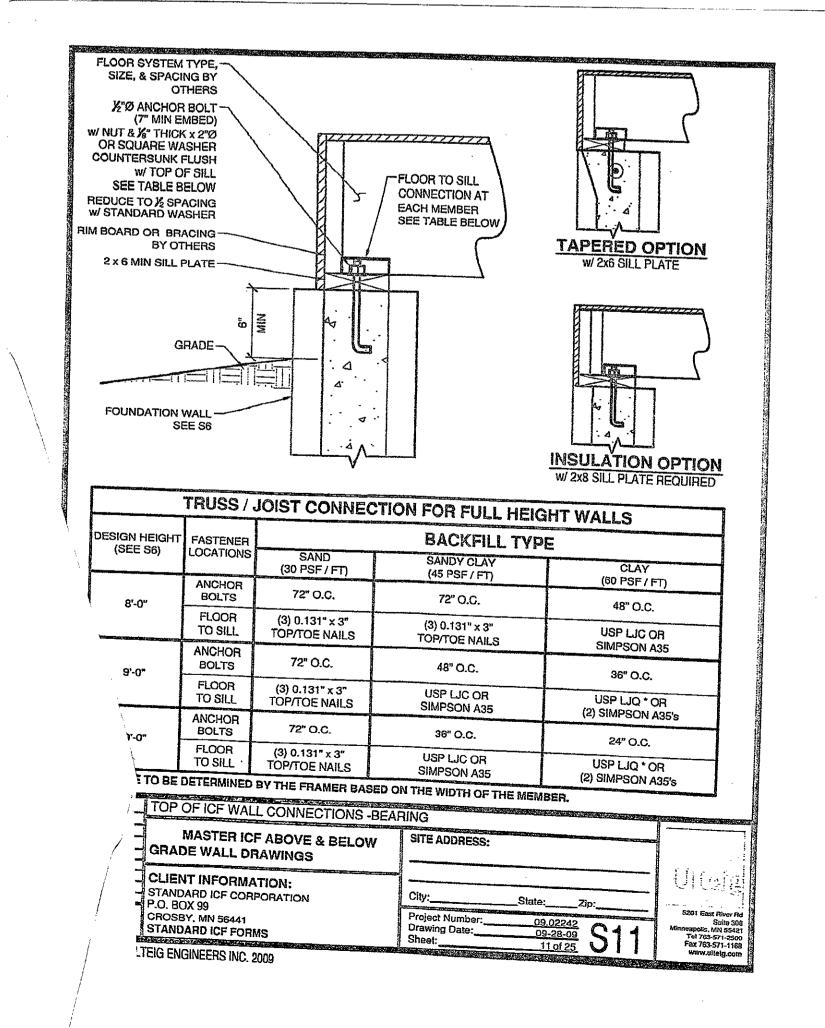


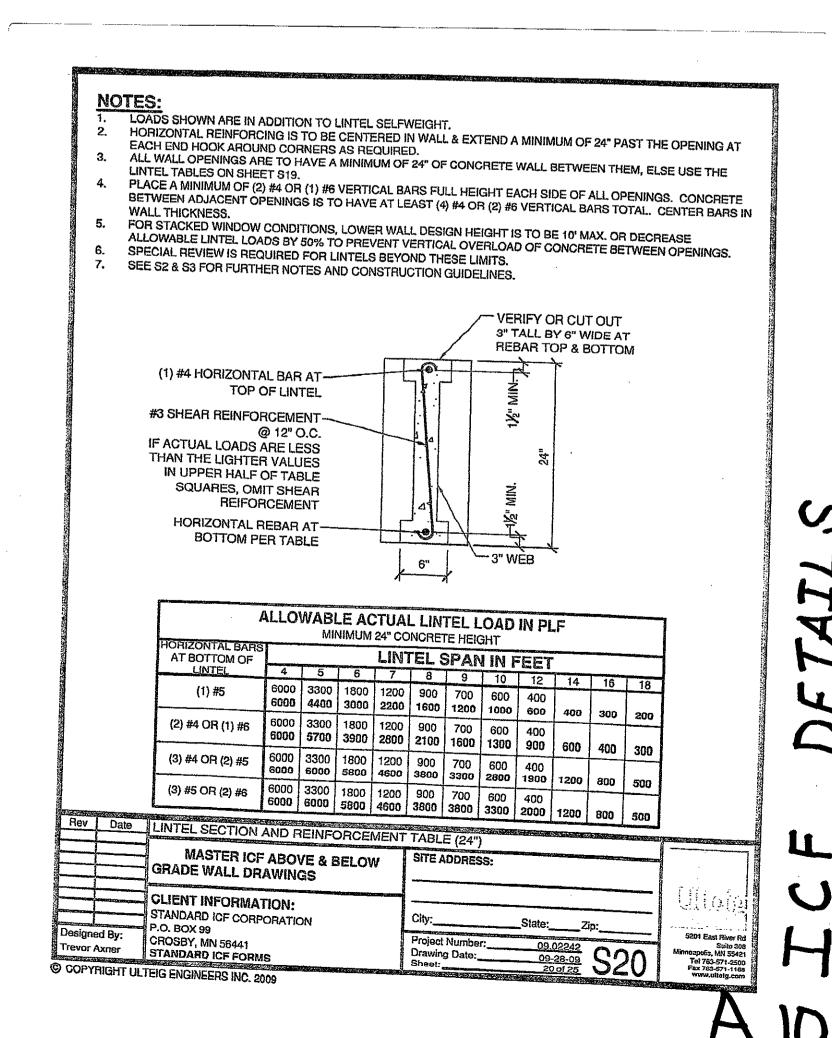




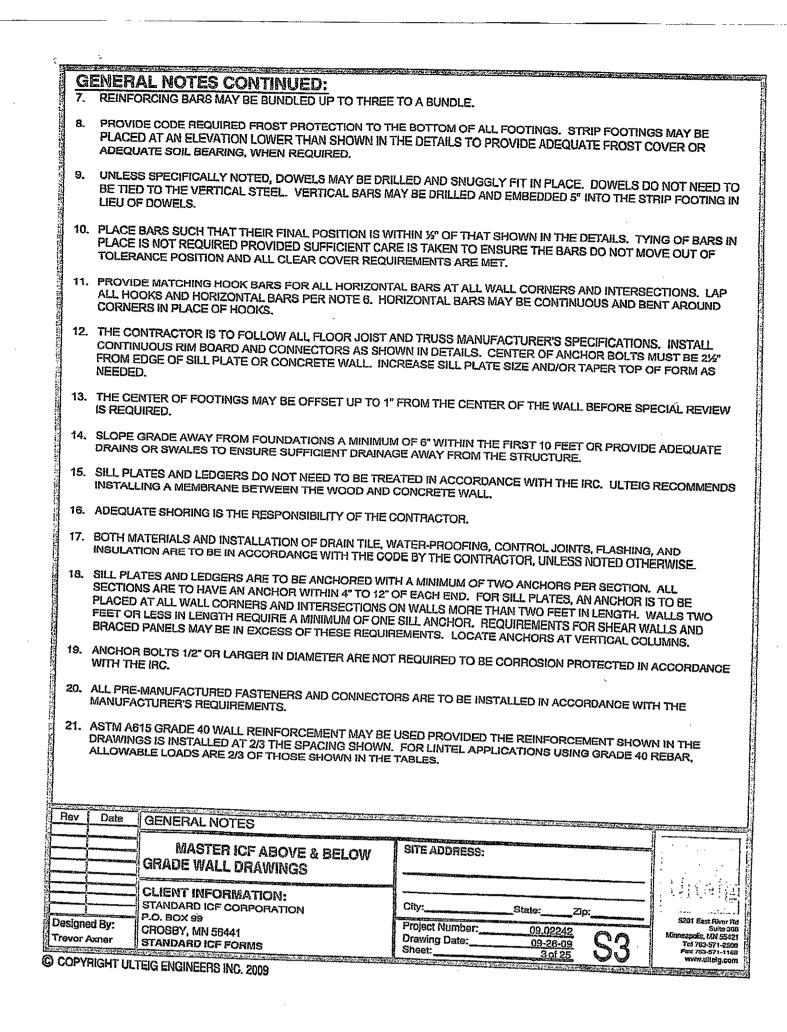


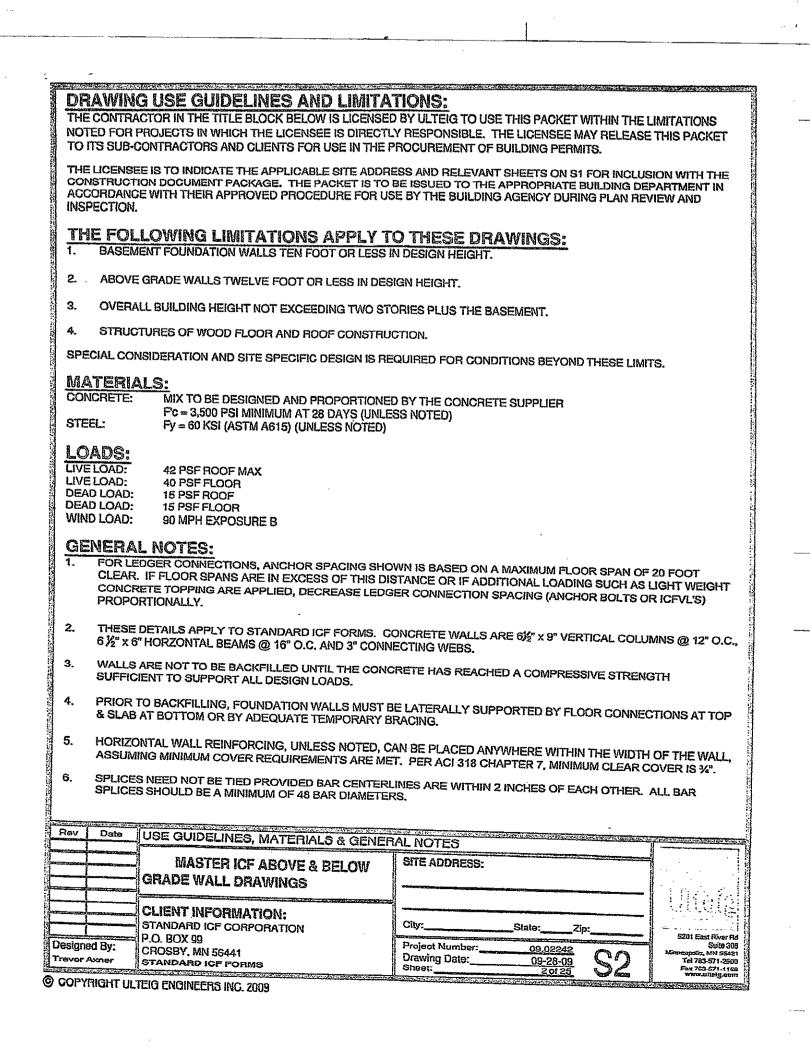


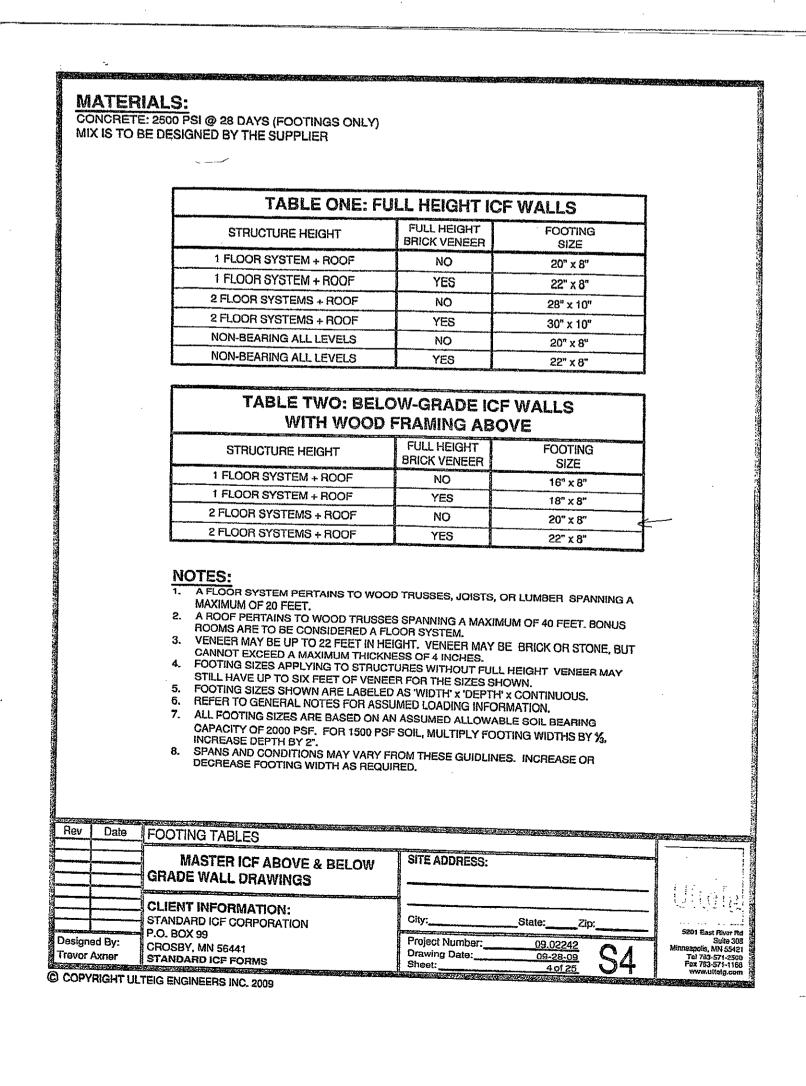


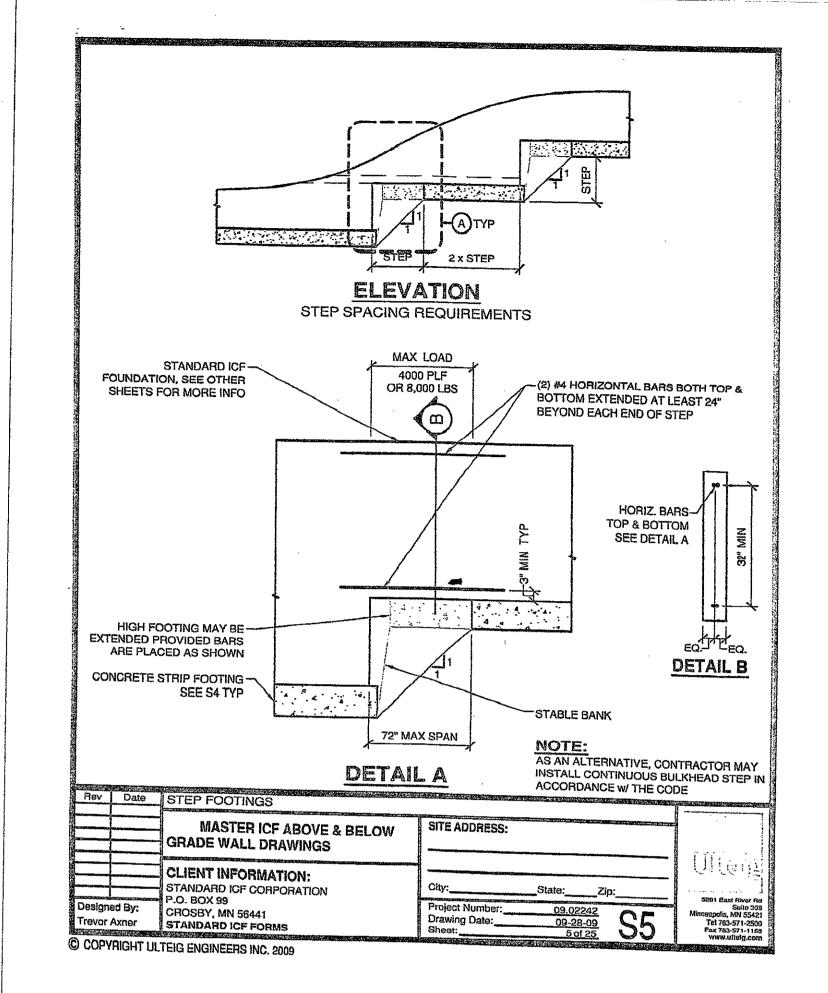


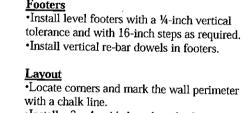
## ICF MASTER DRAWINGS STANDARD ICF FORMS SCOPE OF WORK: THESE INSULATED CONCRETE FORM (ICF) ABOVE AND BELOW GRADE WALL MASTER DRAWINGS ARE PREPARED AND CERTIFIED BY ULTEIG ENGINEERS IN COMPLIANCE WITH THE REQUIREMENTS OF THE INTERNATIONAL RESIDENTIAL CODE (IRC), AS WELL AS THAT OF THE MINNESOTA STATE BUILDING CODE. THESE DRAWINGS CONTAIN STRUCTURAL INFORMATION FOR USE IN THE CONSTRUCTION OF ICF CONCRETE WALLS FOR TYPICAL RESIDENTIAL CONDITIONS. THIS INFORMATION IS RELEVANT TO THE ICF CONTRACTOR, THE GENERAL CONTRACTOR, AND THE FRAMING CONTRACTOR. **DRAWING INDEX:** SCOPE, INDEX, & CERTIFICATION -USE GUIDELINES, MATERIALS, AND GENERAL NOTES -GENERAL NOTES -FOOTING TABLES-STEP FOOTINGS -BELOW GRADE ICF WALLS W/ WOOD FRAMING ABOVE -BELOW GRADE ICF WALLS W/ ICF ABOVE -FOUNDATION WALL REINFORCMENT TABLE -FROST WALLS ---LOOKOUT WALLS -TOP OF ICF WALL CONNECTIONS -BEARING -TOP OF ICF WALL CONNECTIONS -NON-BEARING -FLOOR SYSTEM LEDGER CONNECTIONS -BEARING ---FLOOR SYSTEM LEDGER CONNECTIONS -NON-BEARING -WINDOW WELLS -BRICK, STONE, AND FLOOR LEDGES ABOVE GRADE WALL SECTION -LINTEL SECTION AND REINFORCEMENT TABLE (12") -LINTEL SECTION AND REINFORCEMENT TABLE (16") --LINTEL SECTION AND REINFORCEMENT TABLE (24") -LINTEL SECTION AND REINFORCEMENT TABLE (32") -LINTEL EXAMPLE LOAD CALCULATION -I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that ! am a duly Licensed Professional Engineer under the aws of the State of Mignesota Date: 09-28-09 License Number: 45470 Rev | Date | SCOPE, INDEX, & CERTIFICATION MASTER ICF ABOVE & BELOW SITE ADDRESS: GRADE WALL DRAWINGS CLIENT INFORMATION: STANDARD ICF CORPORATION P.O. BOX 99 CROSBY, MN 56441 STANDARD ICF FORM











•Install a 2 x 4 guide board on the footer. Materials and Tools Locate the work area inside wall perimeter. Specialized tools are not required.

Handling and Storage roper handling and storage is important. Protect from high winds and damage caused by construction site activities.

First Course Begin at the corners with forms tongue side up and facing in one direction. •Glue forms to footer staying tight against the inside of the guide board. Work from opposing corners toward the center of wall.

Cut Forms and Splices Locate splices at window or door openings to minimize cuts, or in the center of wall. Locate cut forms and splices in a vertical. staggered, and reacquiring alignment. Splice both sides of the cut form. •Use 1 x 4 pieces of wood for splices. Splice cut forms when the cut ends are located between stud wall-tie brackets that are more than 10-inches apart.

Cutting Forms Use a carpenter's handsaw, Saws-All. drywall saw, or table saw to cut forms. •Reinforce forms when a wall-tie is cut. •Cut forms ¼-inch smaller than measured opening and fill gap before concrete pour.

Gluing Forms Glue forms to the footer with a good size bead of foam adhesive. •Glue top course to course below to prevent floating with a 1/2-inch bead of adhesive. There is no need to glue vertical joints. To assure quality, glue all horizontal joints.

Additional Courses Install additional courses by alternating the direction of each course.

 Install horizontal re-bar as required. Horizontal Re-bar Place re-bar in tandem re-bar saddles. •Make all re-bar splices with 36 bar

·Install re-bar full length, or in pieces with splices overlapping 36 bar diameters.

Not required at pre-molded corners.

diameter overlaps, including at corners.

External Bracing

•Required at all miter cut corners, window and door fames, intersecting walls, gable

ends, and bulkheads.

Window and Door Openings Build frames with pressure treated  $2 \times 12s$ for top and sides, and 2 x 4 on bottom. •Attach temporary 1 x 4 flanges on all the edges to center the frames in the wall. Install temporary diagonal and cross bracing to withstand concrete pressures. Install fasteners that will protrude into the wall cavity for concrete attachment.

•Build with pressure treated 2 x 12s and temporary 1 x 4 wood flanges. Brace the bulkheads as required.

Attach joists and ledgers with a series of

or foam inserted into the wall cavity that are

easy to remove after concrete is cured.

and attach it to the side of the wall.

anchor bolts or ledger connectors.

Rim Joists and Ledgers

45-Degree and Other Custom Corners Miter cut straight forms to make 45-degree and other acute or obtuse corners.

•Do not install structural framing until concrete has had time to cure properly. Beam Pockets Remove a section of foam panel from the side of the wall assembly as required. Block out the opening with pieces of wood

Brick Ledge
•Establish elevations for a brick ledge form. •Remove sections of foam from between studs and top and bottom of the brick ledge form to allow for the flow of concrete. Install re-bar as required. •Fabricate a wood or metal brick ledge form

**Utility, Mechanical, and Service** Penetrations Install sleeves and chases through the wall for all penetrations.

Scaffolding and Bracing ·Install to keep wall assembly straight, plumb, square, and protect wall during concrete curing, and high winds. •Provide a safe and adequate work platform. Ref: OSHA 29 CFR 1926,450 thru 453. Space 2-feet from corners and at 6-feet intervals throughout the wall assembly.

Before Concrete Check List ·Check wall for plumb and straight. foam adhesive. Check for all required penetrations.

 Check splices and fill gaps and spaces with Have connecting devices and structural pieces in place, or on hand for installation. •Check scaffolding and bracing for safety. Check all window and door frames and all required external bracing.

 Determine the proper ready-mix design. •Do not order concrete until you are ready.

Concrete Placement Place concrete with a concrete pump. •Reduce hose diameter to 3-inch, add a "dog leg", and an "elephant trunk". Have materials on hand to make repairs. Place concrete in lifts of 4-feet. Concrete strength should not be less than 3000 psi. with 28 day moist cure. •Use concrete with a 6-inch slump.

Concrete Consolidation Consolidate concrete by "rodding" with a re-bar, and/or by tapping on the side with a hammer and a wood block as necessary.

After Concrete Placement Check the installation of anchor bolts and structural connectors for alignment. •Check the walls for plumb and straight.

Concrete Curing and Removal of Bracing Do not remove bracing until the walls have developed adequate strength and/or have been supported laterally. Be aware of environmental factors that affect concrete curing.

Waterproofing Apply waterproofing to all below grade walls to keep the water out and protect the integrity of the foam insulation. Install a French Drain System at the footer.

•Wait until the concrete has cured properly and the walls are braced laterally by floors. Use backfill materials that will percolate water and reduce hydraulic pressure.

Standard ICF Specifications

high, 11 ¼-inches wide.

Manufactured using molded Type II EPS in accordance with ASTM E84. Molded to a net cured weigh of 1.5 psi. UL tests results with a flame spread of 10. and smoke a development of 300. Finished wall has a fire resistance of 3hours with 5/8-inch drywall. Brackets made with recycled HDPE. No HCFCs or HFCs are emitted during the manufacturing process. The finished product does not off-gas and does not produce fumes, odors, or toxins. Calculated R-Value of R-26+. System performance comparison of up to R-50. Sound transmission class of STC-50. Stud flanges are 1 5/8-inches wide, 12inches on center measured from corners. Nominal 7-inch modified flat wall with a net 6 ½-inch concrete core. Straight forms: 48-inches long, 16-inches

90° & 45°Corner forms: 48-inches (18+30)

long, 16-inches high, 11 ¼-inches wide.

Surface area of 5.33 sq. ft. per form.

One cu yd of concrete fills 10.5 straight

forms, 13.75 - 90° & 12 - 45° corner forms.

STANDARD ICF™ WALL LAYOUT WITH SPLICES STANDARD STUD 12" + 12" ICF CORPORATION. LAMBERT'S LOOP™ RE-BAR + 5% + 12" + 12" " CONCRETE OR) standardicf.com DOUBLE 90° ELBOW ~ (DOG LEG) Concrete mix VERTICAL RE-BAR 3/8 minus Pea Rock LAYOUT FROM CORNERS TO CENTER OF WALL 3" RUBBER HOSE (ELEPHANT TRUNK) CUT IOINT CUT FORM |- 1/4" GAP TO BE FILLED WITH FOAM ADHESIVE STRUCTURES BUILT WITH STANDARD ICFs SHOULD BE DESIGNED, ENGINEEREI AND CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE GOVERNING BUILDING CODES AND REGULATIONS INCLUDING AMERICAN CONCRETE ` MID-RAIL FOR INSTITUTE (ACI) 318. FALL PROTECTION WHEN REQUIRED 2nd LIFT LOCATE CUT FORMS
AND SPLICES VERTICALLY
BLONE ADEA OF THE WALL WORK SAFEIY! IN ONE AREA OF THE WALL GRADE SCAFFOLDING MUST BE BUILT TO THE ANUFACTURER'S RECOMMENDATION INSTALL FRENCH DRAIN AND MUST COMPLY WITH FEDERAL SYSTEM AT FOOTERS. OSHA REGULATIONS SET FORTH IN WATERPROOF WALL 29 CFR 1926.450-453 BELOW GRADE AND SET 2 ft. FROM CORNERS ATTACHED ON BOTH BACK-FILL WITH CARE 1st LIFT USING APPROPRIATE AND EVERY 6 ft. ON CENTER WITH COURSE THREAD SCREWS \*DO NOT BACKETT UNTIL CONCRETE HAS CURED AND THE WALL IS SUPPORTED LATERALLY BY FLOORS DRAIN TILE FOOTER RE-BAR PATENTS PENDING @2001 STANDARD ICE CO FORM DIMENSIONS 45° CORNER FORM STRAIGHT FORM

