

<div>DESIGN LOADS</div> <div>CODE BODY: IBC 2009</div> <div>GROUND SNOW LOAD: 40 PSF</div> <div>OCCUPANCY CATEGORY: I I</div> <div>Ct:: 1.1</div> <div>Ce: 1.0</div> <div>Is: 1.0</div> <div>Cs: 1.0</div> <div>ROOF LIVE LOAD: 35 PSF</div> <div>ROOF DEAD LOAD: 10 PSF</div> <div>CEILING LIVE LOAD: 0 PSF</div> <div>CEILING DEAD LOAD: 10 PSF</div> <div>WIND LOAD: 90 MPH</div> <div>EXPOSURE: C</div> <div>Iw: 1.0</div> <div>FLOOR LIVE LOAD: 40 PSF</div> <div>FLOOR DEAD LOAD T.C.: 10 PSF</div> <div>FLOOR DEAD LOAD B.C.: 10 PSF</div>		<div><div>AN EMPLOYEE-OWNED COMPANY</div><div>ENERGY PANEL STRUCTURES</div><div>102 EAST INDUSTRIAL PARK</div><div>GRAETTINGER, IA 51342</div><div>PHONE: 712/859-3219</div><div>FAX: 712/859-3275</div><div>WWW.EPSBUILDINGS.COM</div></div>		<div>SHEET DRAWING INDEX</div> <div><div>S0</div><div>TITLE SHEET</div></div> <div><div>S1.0</div><div>FOUNDATION PLANVIEW</div></div> <div><div>S1.1</div><div>1ST FLOOR PLAN VIEW</div></div> <div><div>S1.2</div><div>2ND FLOOR PLAN VIEW</div></div> <div><div>S2.0</div><div>BUILDING SECTIONS</div></div> <div><div>S2.1</div><div>BUILDING SECTIONS</div></div> <div><div>S3.0</div><div>PANEL ELEVATIONS</div></div> <div><div>S3.1</div><div>PANEL ELEVATIONS</div></div> <div><div>F1.0</div><div>FLOOR TRUSS LAYOUT</div></div> <div><div>F1.1</div><div>2ND FLOOR JOIST LAYOUT</div></div> <div><div>R1.0</div><div>ROOF TRUSS LAYOUT</div></div> <div><div>C1.0</div><div>CONSTRUCTION DETAILS</div></div> <div><div>C1.1</div><div>CONSTRUCTION DETAILS</div></div> <div><div>B1</div><div>TRUSS INSTALLATION</div></div> <div><div>B2</div><div>TRUSS INSTALLATION</div></div> <div><div>B3</div><div>TRUSS INSTALLATION</div></div> <div><div>B7</div><div>TRUSS INSTALLATION</div></div>		<div><div>AN EMPLOYEE-OWNED COMPANY</div><div>ENERGY PANEL STRUCTURES</div><div>102 EAST INDUSTRIAL PARK</div><div>GRAETTINGER, IA 51342</div><div>PHONE: 712/859-3219</div><div>FAX: 712/859-3275</div><div>WWW.EPSBUILDINGS.COM</div></div> <div>PROJECT NUMBER: 2015/HOUSE/IA33645</div> <div>CUSTOMER SERVICE: KZ</div> <div>DRAWN BY: TTK</div> <div>REVIEWED BY: DMM</div> <div>DATE: 9/18/2015</div> <div>REVISIONS: 10/1/2015 10/14/2015 10/26/5015</div> <div>Print Date: 11/03/ 2015</div> <div>DEALER: SCHOELERMAN CONTRACTING</div> <div>PROJECT TITLE: SPRINGMAN SOLID CORE BUILDING PACKAGE</div> <div>SHEET TITLE: TITLE SHEET</div> <div>PROJECT STATUS: FINAL DRAWINGS</div> <div>SHEET: S0</div>	
		<div>GENERAL INFORMATION</div> <div><div>DEALER: SCHOELERMAN CONTRACTING 1530 370TH ST ROYAL, IA 51357 PHONE: (712) 260 4595 FAX: --</div><div>OWNER: SPRINGMAN 24201 178TH ST OKOBOJI, IA</div><div>BUILDING TYPE: SOLID CORE</div><div>BUILDING USAGE: RESIDENTIAL</div><div>BUILDING DIMENSIONS: 38'-6" x 92'-0" x 10' --</div><div>AREA: 2280 SQ. FT.</div></div>					
<div>* SITEWORK: THE SITE SHALL BE GRADED TO PROVIDE DRAINAGE AWAY FROM THE BUILDING.</div> <div>* BACK FILL: BACK FILL SHALL CONSIST OF GRAVEL, PEAROCK OR CRUSHED STONE 2 FOOT BACK FROM PANEL/FOUNDATION WALL. GRANULAR BACKFILL TO START AT OR BELOW BOTTOM OF FOOTING & EXTEND VERTICALLY TO WITHIN 8" OF GRADE. COVER GRANULAR MATERIAL W/ ASPHALT OR POLYETHYLENE STRIPS PRIOR TO ADDING 8" OF TOP SOIL. SLOPE AWAY FROM WALL ½" PER FOOT MIN. 6' FROM WALL.</div> <div>* CONCRETE WORK: THE CONCRETE WORK SHALL CONSIST OF ALL NECESSARY POUR-IN-PLACE CONCRETE FOOTINGS (OR FOUNDATION) AS PER BUILDING PLANS DESIGNED BY OTHERS THE CONCRETE SHALL MEET A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS. ALL CONCRETE SHALL BE DESIGNED IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-05) AND COMMENTARY (ACI 318R-05).</div> <div>* WOOD FRAMING: ALL WOOD CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE PROVISIONS OF THE 2005 EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION. UNLESS NOTED OTHERWISE ALL FRAMING LUMBER SHALL BE SPF#2 GRADE.</div> <div>* TRUSSES: WOOD TRUSSES ARE SHOP/PLANT FABRICATED WITH CONNECTOR PLATES PER SPECIFICATIONS. DESIGN CRITERIA ESTABLISHED BY THE TRUSS PLATE INSTITUTE - (ANSI/TPI 1-2007). REFER TO THE BCSI(BUILDING COMPONENT SAFETY INFORMATION) MANUAL FOR WOOD TRUSS TEMPORARY BRACING REQUIREMENTS.</div> <div>* METAL CONNECTORS: ALL METAL CONNECTORS ARE OF GALVANIZED STEEL AND DESIGN APPROVED TO MEET OR EXCEED REQUIRED STANDARDS.</div> <div>* SHORING AND BRACING: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY SHORING AND BRACING.</div> <div>THESE CONTRACT DOCUMENTS/DRAWINGS ARE THE PROPERTY OF ENERGY PANEL STRUCTURES AND ARE INTENDED FOR THE EXPRESS USE FOR CONSTRUCTION OF THIS PROJECT BY AN ENERGY PANEL STRUCTURES' AUTHORIZED INDEPENDENT DEALER. THESE DOCUMENTS SHALL NOT BE USED FOR ANY OTHER CONSTRUCTION PROJECT, OR BY ANY OTHER ENTITY WITHOUT THE EXPRESS WRITTEN CONSENT OF ENERGY PANEL STRUCTURES. IN THE EVENT THAT ANY OF THE DESIGN DRAWINGS OR SPECIFICATIONS ARE REUSED OR MODIFIED WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF ENERGY PANEL STRUCTURES, THEN ENERGY PANEL STRUCTURES WILL NOT BE LIABLE FOR SUCH REUSE OR MODIFICATION, AND IT WILL BE SUBJECT OF THE PERSON OR ENTITY TO CLAIM FOR A COPYRIGHT INFRINGEMENT, COSTS, DAMAGES, AND ATTORNEY FEES.</div>		<div>* THIS SET OF PLANS ARE INTENDED TO BE USED BY CONTRACTORS WITH BUILDING CONSTRUCTION KNOWLEDGE.</div> <div>* ENERGY PANEL STRUCTURES CAN NOT BE HELD RESPONSIBLE FOR MISUSE OR MISINTERPRETATION OF INFORMATION INCLUDED IN THESE DRAWINGS, OR THE USE OF THIS SET OF PLANS BY PEOPLE WITHOUT BUILDING CONSTRUCTION KNOWLEDGE.</div> <div>* SIP PANEL WALL CONSTRUCTION BUILDINGS ARE DESIGNED FOR MINIMAL AIR INFILTRATION. IT IS RECOMMENDED THAT GENERAL CONTRACTOR/OWNER WORKS IN CONJUNCTION WITH AN HVAC PROFESSIONAL TO DESIGN A SYSTEM TO INSURE AIR QUALITY AND MOISTURE CONTROL. AIR TO AIR EXCHANGERS ARE RECOMMENDED IN SUCH TYPE STRUCTURES.</div> <div>* RESPONSIBILITY OF THIS SET OF PLANS IS LIMITED TO THE BUILDING DESIGN SHOWN ON THE PLANS. BUILDING DESIGN IS BASED ON NUMBER, SIZE AND LOCATION OF OPENINGS SHOWN ON THE PLANS. NO RESPONSIBILITY IS ASSUMED FOR ADDITIONAL OPENINGS NOT SHOWN ON THE PLANS OR CHANGES IN THE LOCATION OR SIZE OF OPENINGS.</div> <div>* ALL DOOR AND WINDOW OPENINGS SHOWN ON THIS SET OF PLANS ARE THE ACTUAL SIZE OF THE OPENING PROVIDED. IT IS THE GENERAL CONTRACTOR/OWNER'S RESPONSIBILITY TO VERIFY ALL LOCATIONS AND SIZES OF OPENINGS PRIOR TO CONSTRUCTION.</div> <div>* EPS WALL PANELS ARE NOT DESIGNED FOR LATERAL LOADS IMPOSED BY CONCRETE FOUNDATION WALLS. CONCRETE WALLS TO BE DESIGNED TO ABSORB ALL LOADS IMPOSED BY EPS STRUCTURE AND 100% OF ALL MATERIAL/BACKFILL/ETC (IF ANY) STORED AGAINST THEM. CONCRETE WALL TO IMPOSE NO HORIZONTAL LOAD TO EPS STRUCTURE.</div> <div>* THIS BUILDING IS DESIGNED USING THE ROOF AS A DIAPHRAGM(DEEP THIN BEAM) TO TRANSFER SIDEWALL AND ROOF WIND LOADS TO THE ENDWALL SHEAR WALLS SHOWN. SIP PANELS AND/OR SHEATHING IS AN INTEGRAL PART OF THE BUILDING STRUCTURE AND ANY FUTURE FIELD MODIFICATIONS MADE MAY BE DETRIMENTAL TO THE BUILDING'S STRUCTURAL PERFORMANCE.</div> <div>* THIS IS A STRUCTURAL FRAMING PLAN AND IS TO BE USED FOR THAT PURPOSE ONLY, CODES REGARDING FIRE SAFTEY, PERSONAL SAFTEY & INJURY ARE NOT ADDRESSED IN THIS SET OF PLANS AND ARE THE RESPONSIBILITY OF THE CONTRACTOR/OWNER.</div> <div>* THE ATTIC OF THIS STRUCTURE MUST BE PROPERLY VENTILATED. CONSULT AN HVAC ENGINEER FOR PROPER SIZING OF EAVE INLETS, RIDGE OPENINGS, END WALL LOUVERS, OR MECHANICAL SYSTEMS. FAILURE TO PROPERLY VENTILATE THE ATTIC MAY CAUSE PARTITION TO SEPARATE AT ROOF/CEILING, CONDENSATION ON ROOF MATERIALS, LARGER AIR CONDITIONING LOAD, MOLD OR MILDEW, CORROSION OF TRUSS PLATES, PREMATURE DEGRADATION OF STRUCTURAL BUILDING COMPONENTS.</div> <div>* THE CEILING SYSTEM PROVIDED HAS NOT BEEN DESIGNED FOR HUMAN TRAFFIC. CONTRACTORS - IT IS YOUR RESPONSIBILITY TO WARN OTHER TRADES.</div>		<div>* TO MINIMIZE THE POSSIBILITY OF FASTENER POPPING AND CRACKING IN AREAS ADJACENT TO A WALL AND CEILING INTERSECTION, A FLOATING GYPSUM CORNER ANGLE METHOD OF APPLICATION SHOULD BE USED. PLEASE REFER TO THE GYPSUM ASSOCIATION'S SPECIFICATIONS FOR THE APPLICATION AND FINISHING OF GYPSUM PANEL PRODUCTS.</div> <div>* THERE MAY BE SOME "BOWING" OF EXTERIOR STRUCTURAL INSULATED PANELS DUE TO A TEMPERATURE AND MOISTURE DIFFERENTIAL BETWEEN INTERIOR AND EXTERIOR OSB SKINS. WHEN THE EXTERIOR SKIN EXPERIENCES COLD TEMPERATURE, ITS MOISTURE CONTENT RISES, WHICH CAUSES THE EXTERIOR SKIN TO EXPAND. THIS MAY CAUSE THE PANEL TO BOW OUT. TO MINIMIZE THE EFFECT, YOU MAY WANT TO CONSIDER: A.) HIDE THE "BOW" BY USING FLOATING CORNERS ON THE INTERIOR GYPSUM BOARD. B.) MECHANICALLY FASTENING ONE STRUCTURAL INSULATED PANEL TO THE CROSS WALLS. THE CROSS WALL WILL HAVE TO BE DESIGNED TO RESIST FORCES OF THE BOW, AS WILL THE MECHANICAL FASTENERS.</div> <div>* INTERIOR FINISH MUST BE COVERED WITH A MINIMUM OF ½" GYPSUM WALLBOARD OR EQUIVALENT TO PROVIDE AN ADEQUATE THERMAL BARRIER</div> <div>NOTE: WHEN APPLYING ICE & WATER OR "PEEL & SEAL" FOLLOW THE FOLLOWING INSTRUCTIONS TO PREVENT AIR INFILTRATION 1. BE SURE TEMERATURE OF MATERIALS AND AMBIENT TEMPERATURE ARE BOTH ABOVE 50° F. 2. THOROUGHLY CLEAN SURFACES. 3. APPLY ACETONE(BY OTHERS) TO METAL SURFACE TO CLEAN. 4. ALLOW ACETONE TO FLASH OFF. 5. APPLY "PEEL & SEAL" OR ICE & WATER, BE SURE TO APPLY PRESSURE THROUGH OUT MATERIAL TO ENSURE 100% CONTACT.</div>			



AN EMPLOYEE-OWNED COMPANY

ENERGY PANEL STRUCTURES
102 EAST INDUSTRIAL PARK
GRAETTINGER, IA 51342
PHONE: 712-859-3219
FAX: 712-859-3275
WWW.EPSBUILDINGS.COM

PROJECT NUMBER:
2015/HOUSE/IA33645

CUSTOMER SERVICE:
KZ

DRAWN BY:
TTK

REVIEWED BY:
DMM

DATE:
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REVISIONS:
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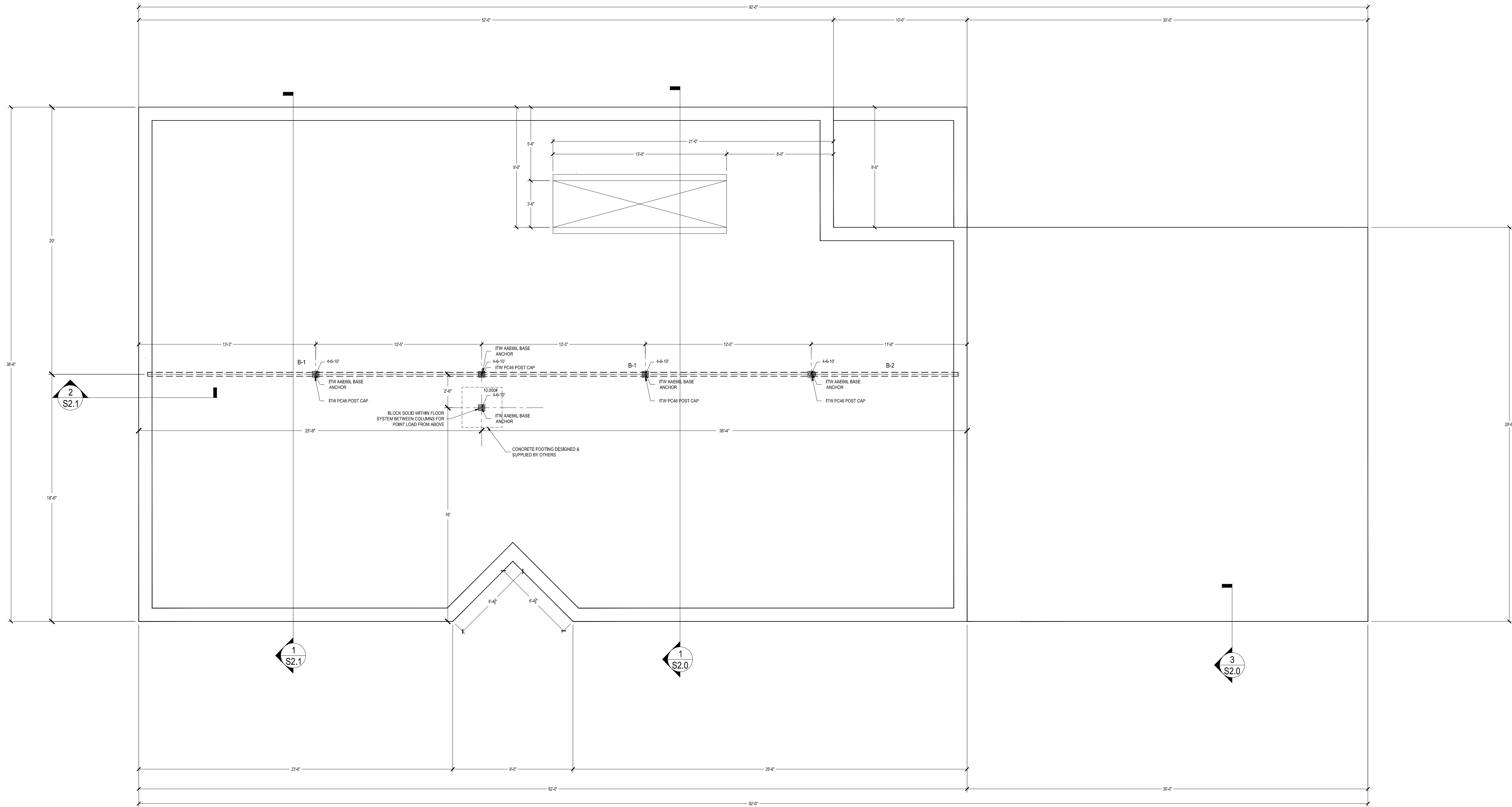
DEALER:
SCHOELERMAN CONTRACTING

PROJECT TITLE:
SPRINGMAN
SOLID CORE BUILDING PACKAGE

SHEET TITLE:
FOUNDATION
PLAN VIEW

PROJECT STATUS:
FINAL
DRAWINGS

SHEET:
S1.0



#IA33645 SCHOELERMAN CONTRACTING (SPRINGMAN - COLUMN SCHEDULE)						
DESCRIPTION	GLUED	Note	Quantity	QTY/SHIP	QTY/SHIP	
562049 - 4 PLY 2x6x10' ALL SP#1	NO	--	4			

BEAM SCHEDULE					
LABEL	TYPE	CONDITION	LENGTH	NOTE	Count
B-1	(2) 1 3/4" x 11-7/8" LVL	DROPPED	23'-0"	CUT FROM 26'-0" PCS	2
B-2	(2) 1 3/4" x 11-7/8" LVL	DROPPED	11'-0"	CUT FROM 12'-0" PCS	1

#IA33645 SCHOELERMAN CONTRACTING (SPRINGMAN - HANGER SCHEDULE)			
QUANTITY	PRODUCT DESCRIPTION	FASTENERS TO HEADER	FASTENERS JOIST

1

FOUNDATION PLAN VIEW

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

PROJECT NUMBER:
2015/HOUSE/IA33645

CUSTOMER SERVICE:
KZ

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DMM

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9/18/2015

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10/26/5015
Print Date: 11/03/ 2015

DEALER:
SCHOELERMAN CONTRACTING
PROJECT TITLE:
SPRINGMAN
SOLID CORE BUILDING PACKAGE

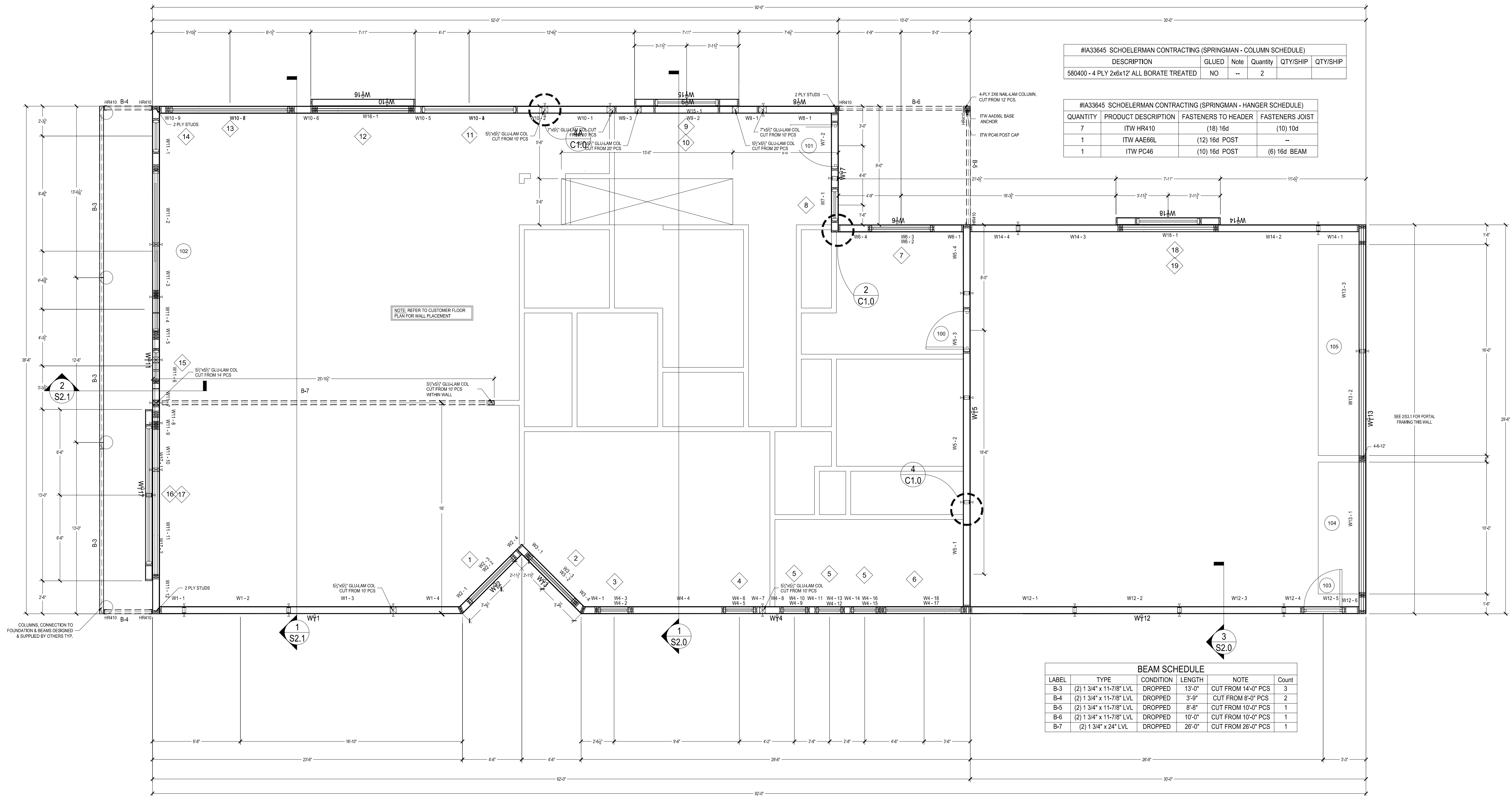
PLAN VIEW

SHEET TITLE:

PROJECT STATUS:
FINAL
DRAWINGS

SHEET:

S1.1



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

DOOR OPENING SCHEDULE							
Number	Quantity	Rough Width	Rough Height	Head Height	Header	Bearing Studs (Each Side)	Full Studs (Each Side)
100	1	3'-2 1/2"	6'-10 1/2"	6'-10 1/2"	2x6 WRAPPED OPENING	0	0
101	1	3'-6"	8'-0"	8'-0"	2x6 WRAPPED OPENING	0	0
102	1	12'-1 1/2"	8'-1"	8'-1"	2-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	2	2
103	1	3'-2 1/2"	6'-10 1/2"	6'-10 1/2"	2-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	1	0
104	1	10'-0"	8'-0"	8'-0"	3-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	SEE ELEVATIONS	SEE ELEVATIONS
105	1	16'-0"	8'-0"	8'-0"	3-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	SEE ELEVATIONS	SEE ELEVATIONS

WINDOW SCHEDULE							
Number	Quantity	Rough Width	Rough Height	Head Height	Header	Bearing Studs (Each Side)	Full Studs (Each Side)
1	1	4'-9"	4'-0 1/2"	8'-0"	2-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	1	0
2	1	4'-9"	6'-0 3/8"	8'-0"	3-PLY 1 3/4" x 11 1/4" LVL HEADER	2	1
3	1	2'-4 7/8"	5'-0 3/8"	8'-0"	2-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	2	0
4	1	2'-4 7/8"	5'-0 3/8"	8'-0"	2-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	1	0
5	3	2'-0 1/8"	1'-5 1/2"	8'-0"	2-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	1	0
6	1	6'-0 1/8"	5'-0 3/8"	8'-0"	2-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	1	1
7	1	4'-9"	4'-0 1/2"	8'-0"	2-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	1	0
8	1	2'-4 7/8"	7'-0 3/8"	8'-0"	2x6 WRAPPED OPENING	0	0
9	1	4'-9"	7'-0 3/8"	9'-4 3/4"	2x6 WRAPPED OPENING	0	0
10	1	6'-11"	8'-10 5/8"	8'-10 5/8"	1 1/2" x 5 1/2" HEADER w/ 4" EPS CORE	0	1

WINDOW SCHEDULE							
Number	Quantity	Rough Width	Rough Height	Head Height	Header	Bearing Studs (Each Side)	Full Studs (Each Side)
11	1	7'-1 1/8"	2'-0 5/8"	8'-0"	1 1/2" x 5 1/2" HEADER w/ 4" EPS CORE	0	1
12	1	6'-11"	8'-10 5/8"	8'-10 5/8"	3-PLY 1 3/4" x 11 1/4" LVL HEADER	3	1
13	1	9'-0 5/8"	7'-0 3/8"	8'-0"	2-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	2	1
14	1	2'-4 7/8"	7'-0 3/8"	8'-0"	2x6 WRAPPED OPENING	0	0
15	1	2'-4 7/8"	7'-0 3/8"	8'-0"	2x6 WRAPPED OPENING	0	0
16	1	10'-5 1/2"	7'-0 3/8"	9'-4 3/4"	2x6 WRAPPED OPENING	0	0
17	1	12'-0"	8'-9 1/2"	8'-9 1/2"	2-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	1	2
18	1	4'-9"	7'-0 3/8"	9'-6 1/4"	2x6 WRAPPED OPENING	0	0
19	1	6'-11"	10'-5 1/8"	10'-5 1/8"	2-PLY 1 3/4" x 11 1/4" LVL HEADER w/ 2" EPS CORE	2	1

PROJECT NUMBER:
2015/HOUSE/IA33645
CUSTOMER SERVICE:
KZ
DRAWN BY:
TTK
REVIEWED BY:
DMM

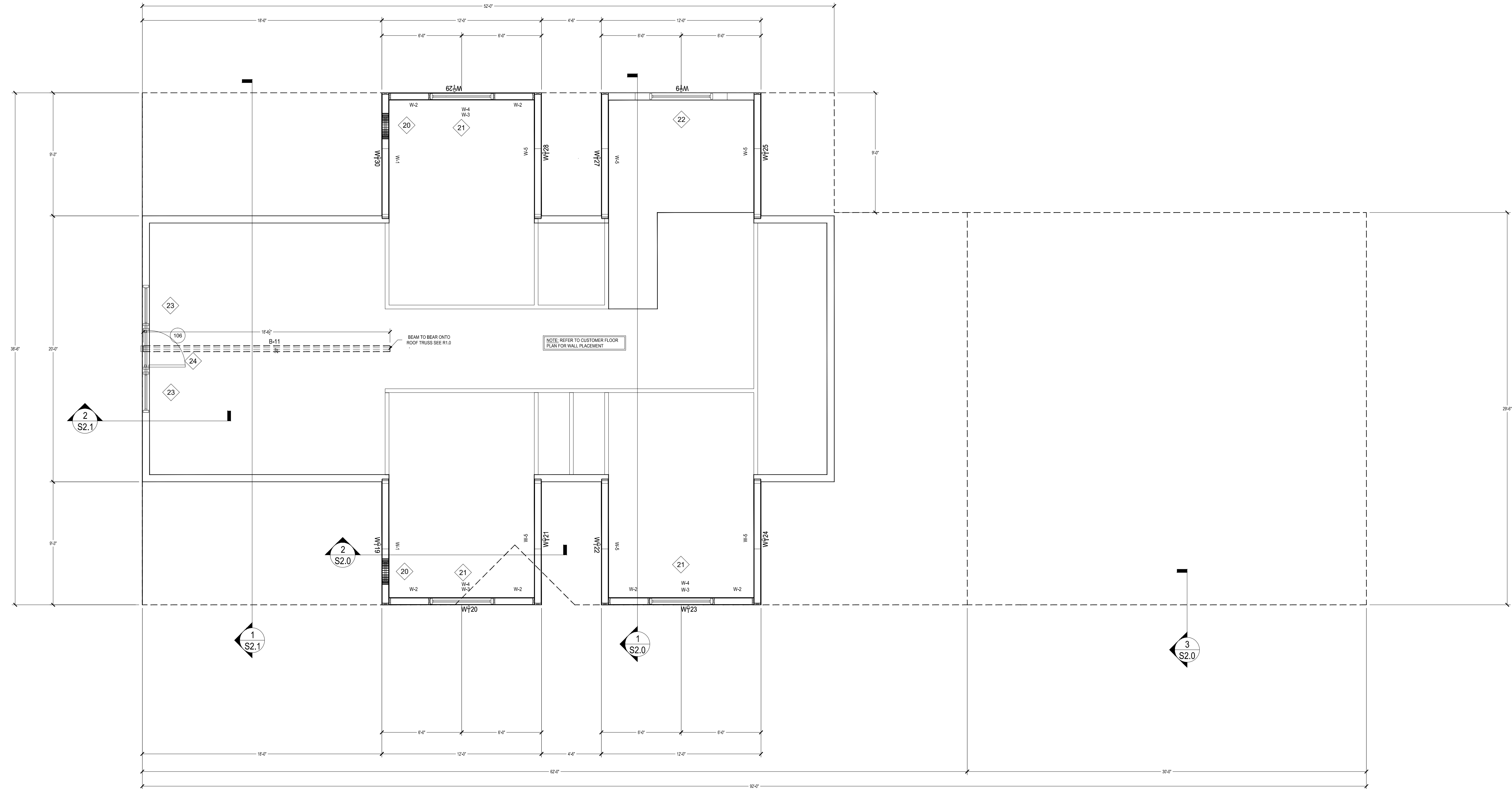
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10/14/2015
10/26/2015
Print Date: 11/03/2015

DEALER:
SCHOELERMAN CONTRACTING
PROJECT TITLE:
SPRINGMAN
SOLID CORE BUILDING PACKAGE

SHEET TITLE:
2ND FLOOR
PLAN VIEW

PROJECT STATUS:
FINAL
DRAWINGS

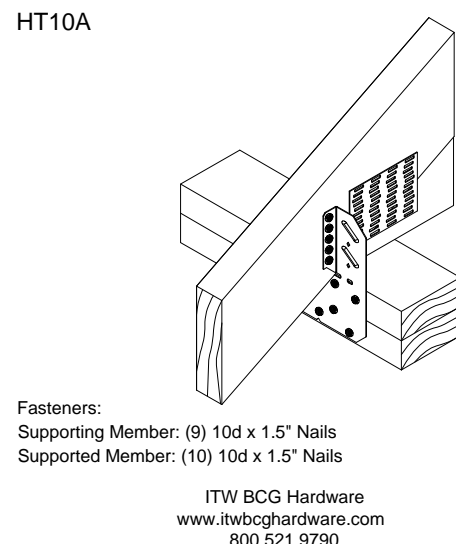
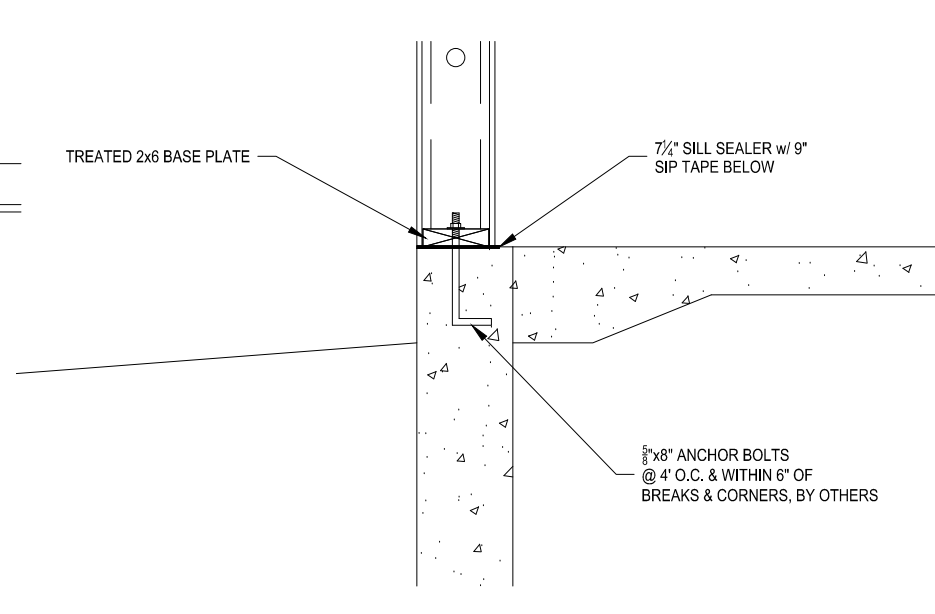
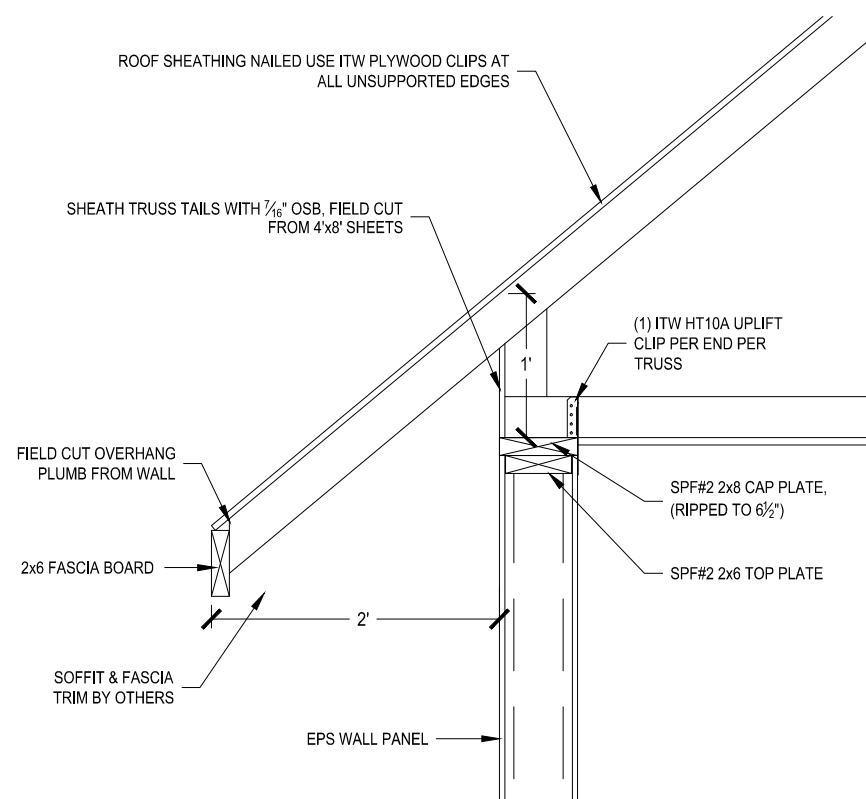
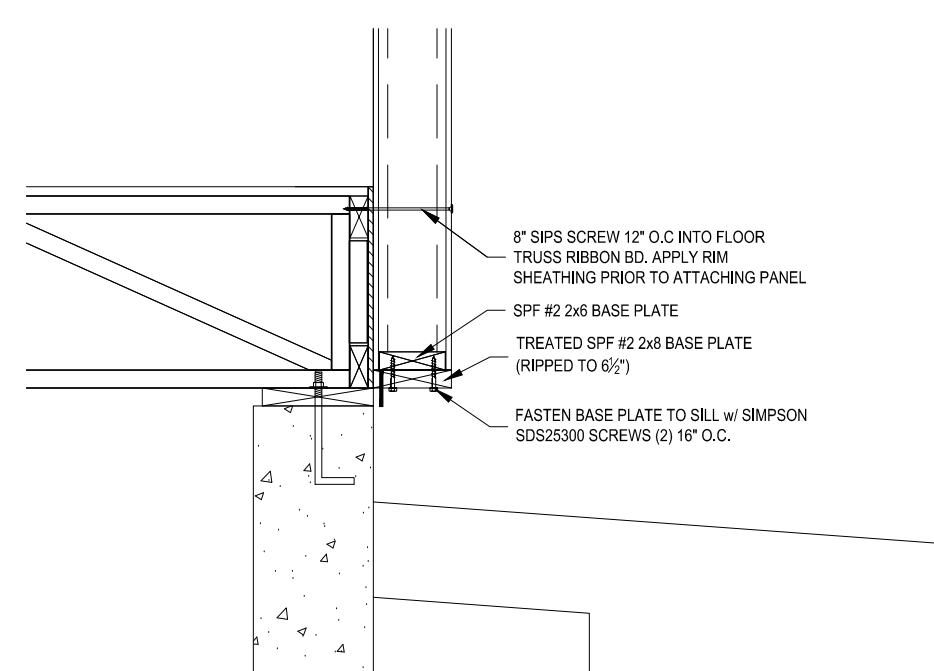
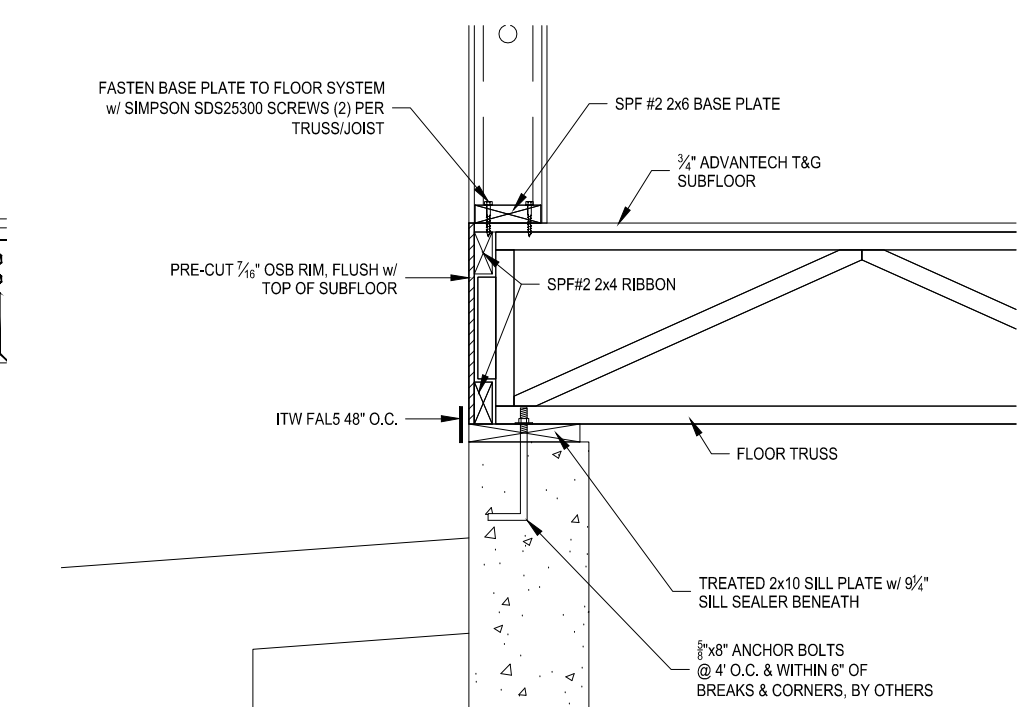
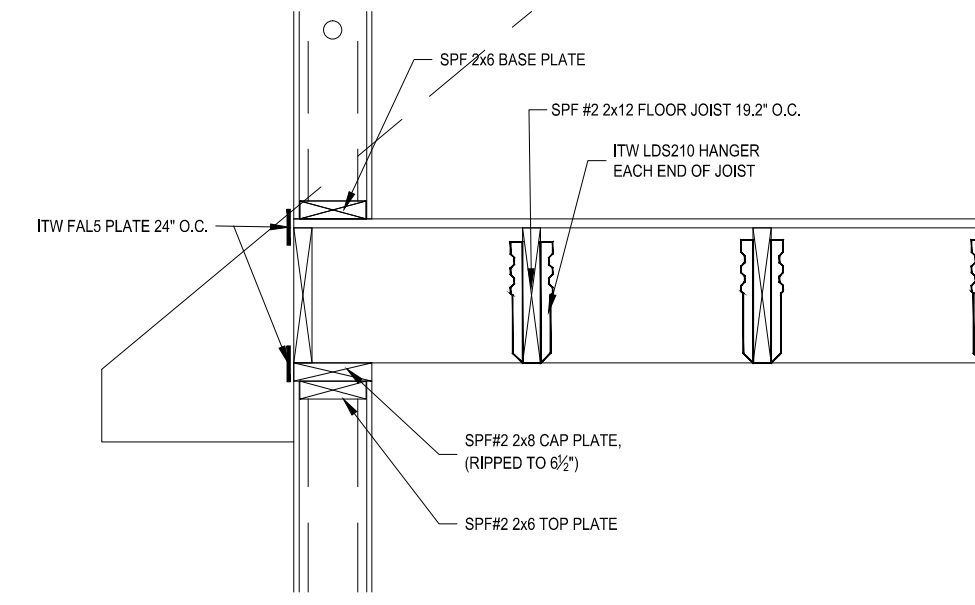
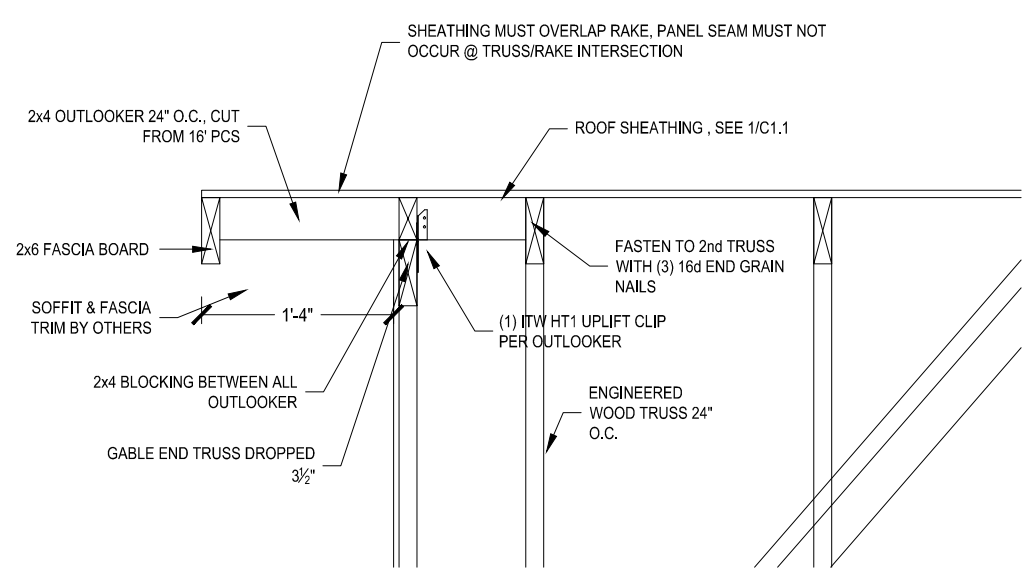
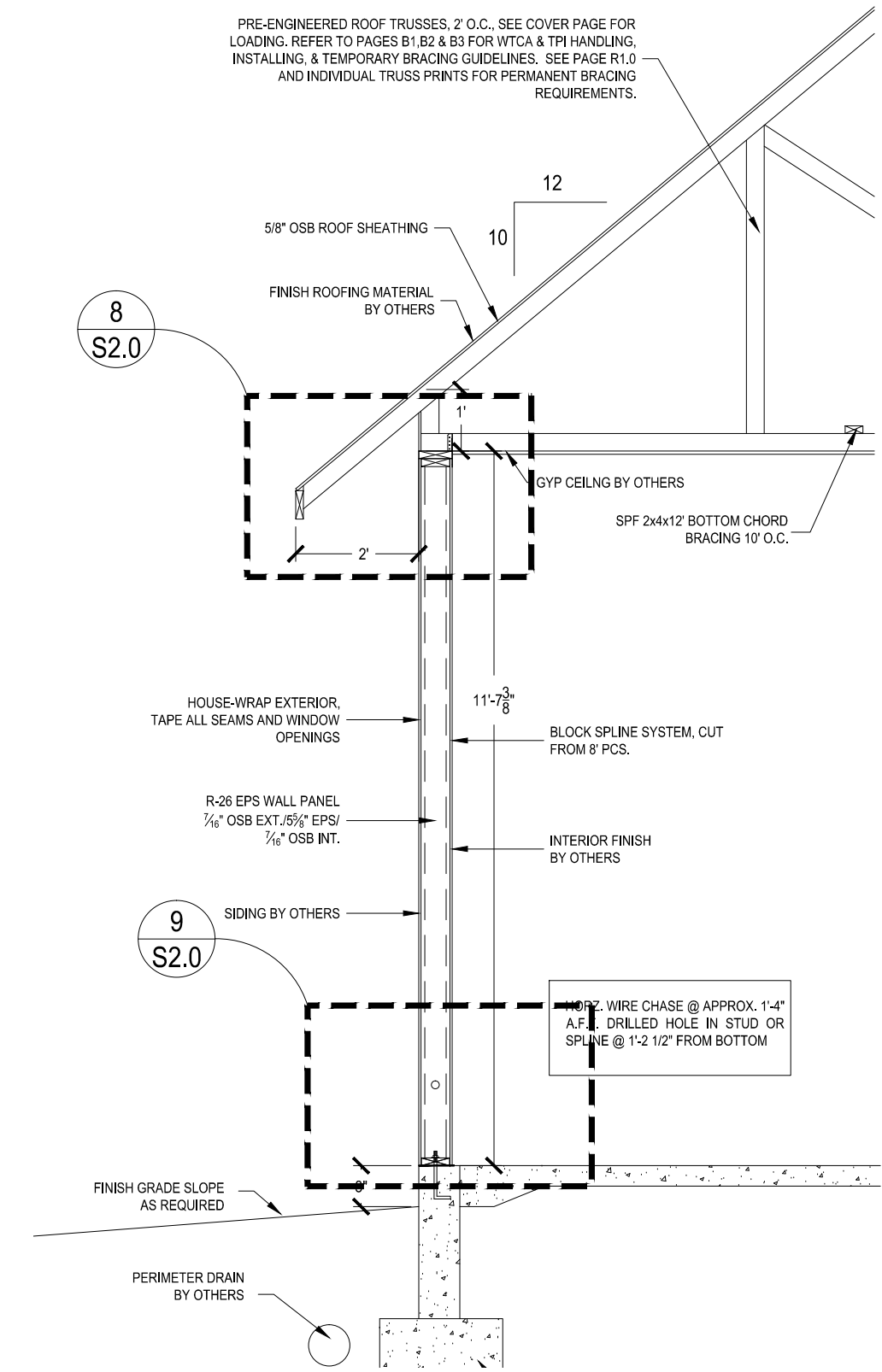
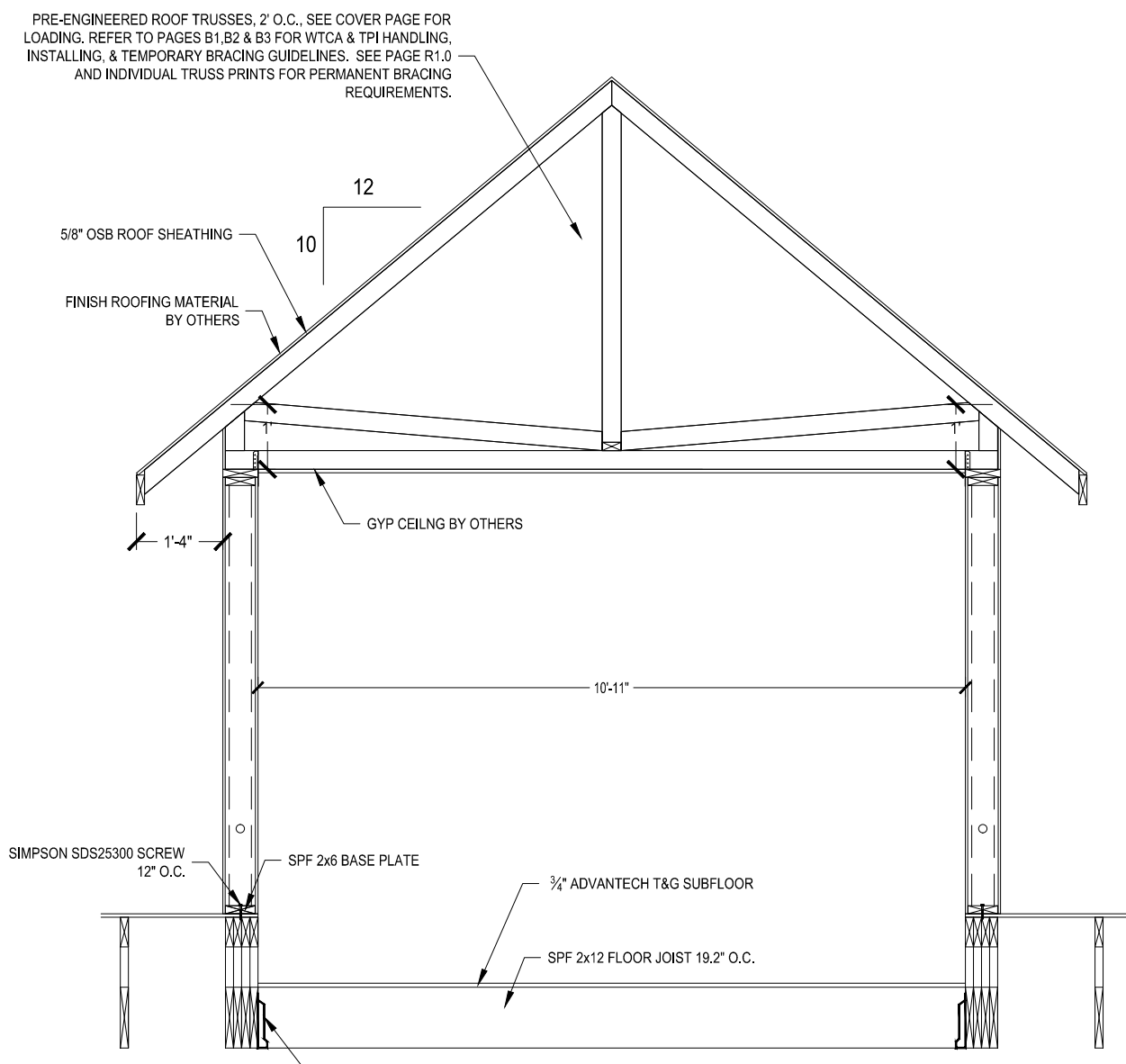
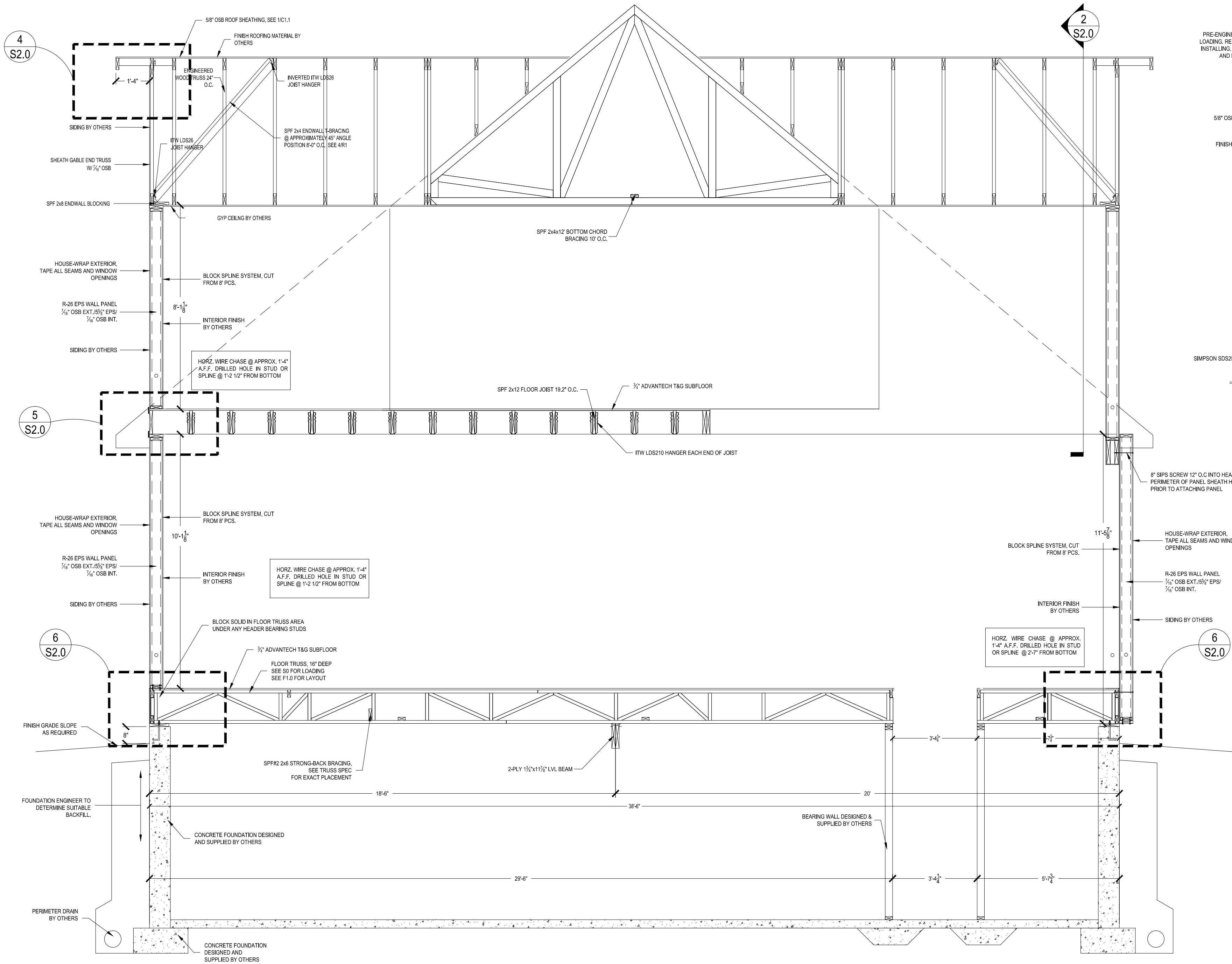
SHEET:
S1.2



JOIST SCHEDULE					
LABEL	TYPE	CONDITION	LENGT H	NOTE	Count
B-11	(3) 1 3/4" x 14" LVL	SEE SECTION	18'-7"	CUT FROM 20'-0" PCS	1

1 2ND FLOOR PLAN VIEW
SCALE: 1/4" = 1'-0"

DOOR OPENING SCHEDULE								WINDOW SCHEDULE							
Number	Quantity	Rough Width	Rough Height	Head Height	Header	Bearing Studs (Each Side)	Full Studs (Each Side)	Number	Quantity	Rough Width	Rough Height	Head Height	Header	Bearing Studs (Each Side)	Full Studs (Each Side)
106	1	3'-1"	6'-8"	17'-9 1/8"	1 3/4" x 11 1/4" LVL HEADER w/ 3 3/4" EPS CORE	0	0	20	2	1'-8 1/4"	2'-4 7/8"	6'-7 3/4"	2x6 WRAPPED OPENING	0	0
								21	3	4'-9"	4'-0 1/2"	6'-10 1/2"	1 1/2" x 5 1/2" HEADER w/ 4" EPS CORE	0	1
								22	1	4'-9"	4'-0 1/2"	17'-10 1/8"	2x6 WRAPPED OPENING	0	0
								23	1	3'-0 1/2"	5'-5 3/8"	17'-9 1/8"	1 3/4" x 11 1/4" LVL HEADER w/ 3 3/4" EPS CORE	0	0
								23	1	3'-0 1/2"	5'-5 3/8"	17'-9 1/8"	1 3/4" x 11 1/4" LVL HEADER w/ 3 3/4" EPS CORE	6	0
								24	1	9'-6 3/4"	2'-9 1/4"	20'-10 3/8"	1 3/4" x 11 1/4" LVL HEADER w/ 3 3/4" EPS CORE	6	0



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DEALER:
SCHOELERMAN CONTRACTING
PROJECT TITLE:
SPRINGMAN
SOLID CORE BUILDING PACKAGE

BUILDING
SECTIONS

SHEET TITLE:

PROJECT STATUS:
FINAL
DRAWINGS

SHEET:

S2.0

PROJECT NUMBER:
2015/HOUSE/IA33645

CUSTOMER SERVICE:
KZ
DRAWN BY:
TTK
REVIEWED BY:
DMM

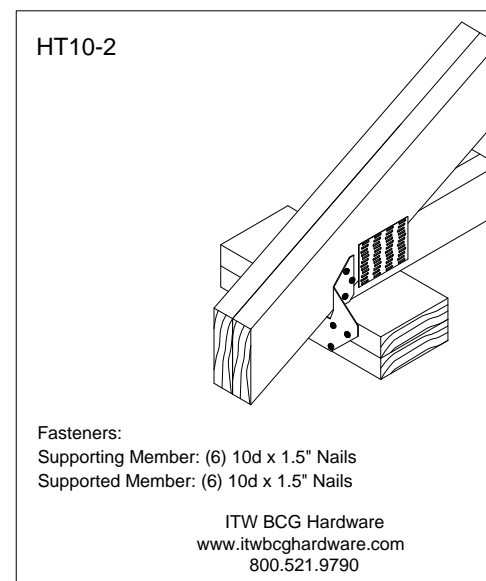
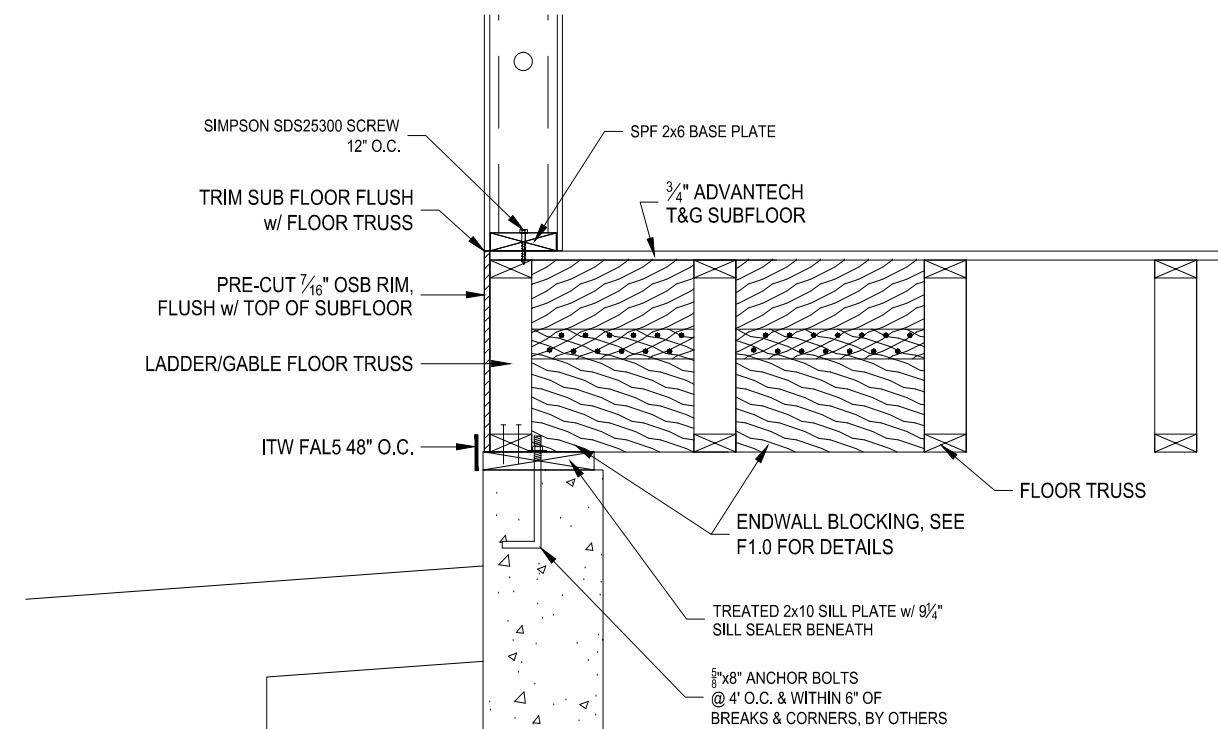
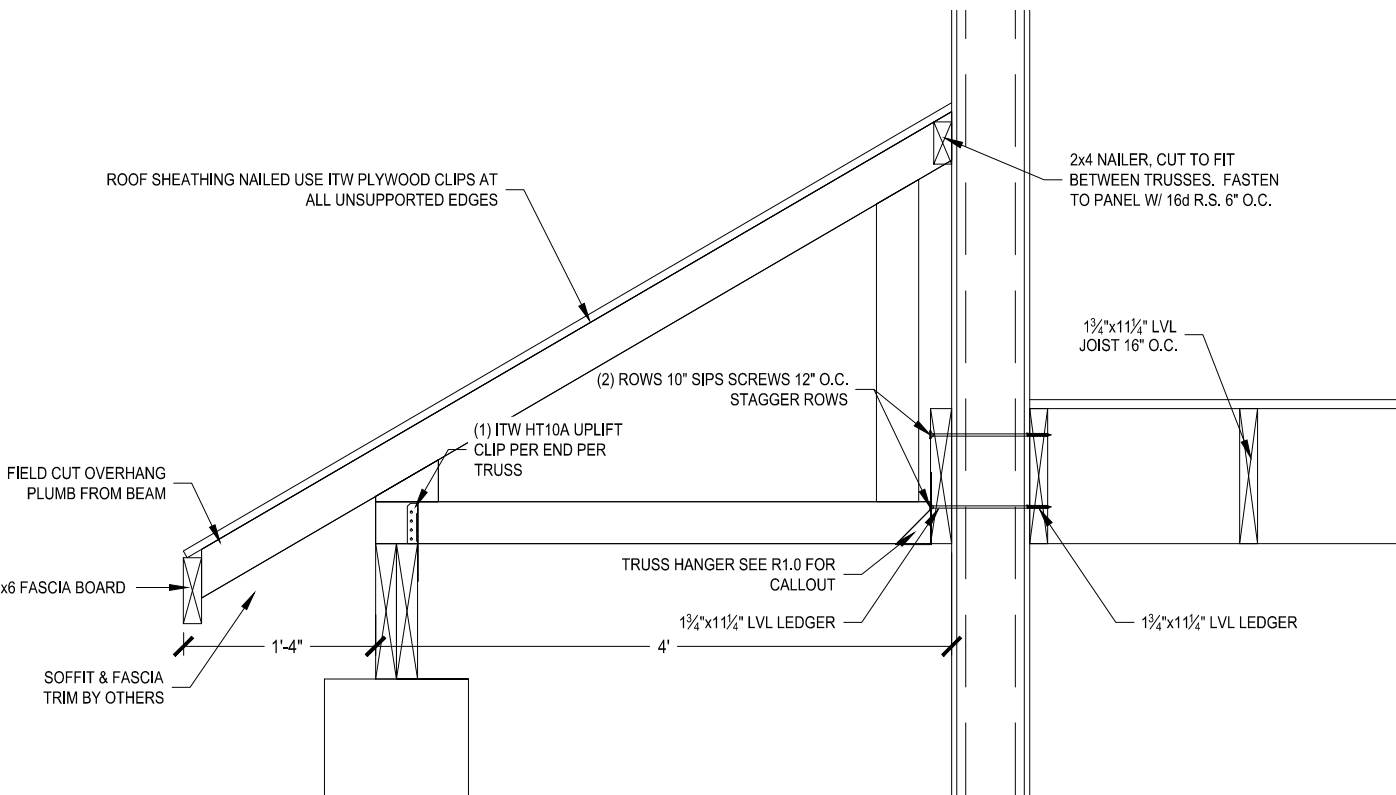
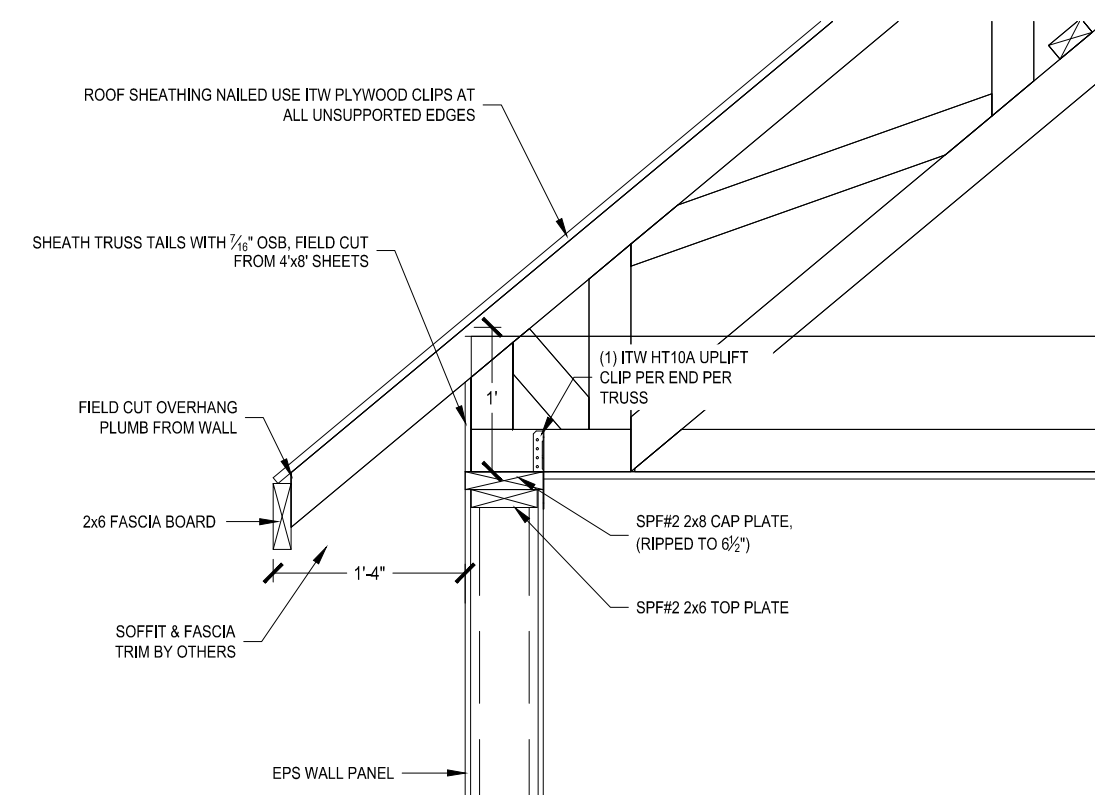
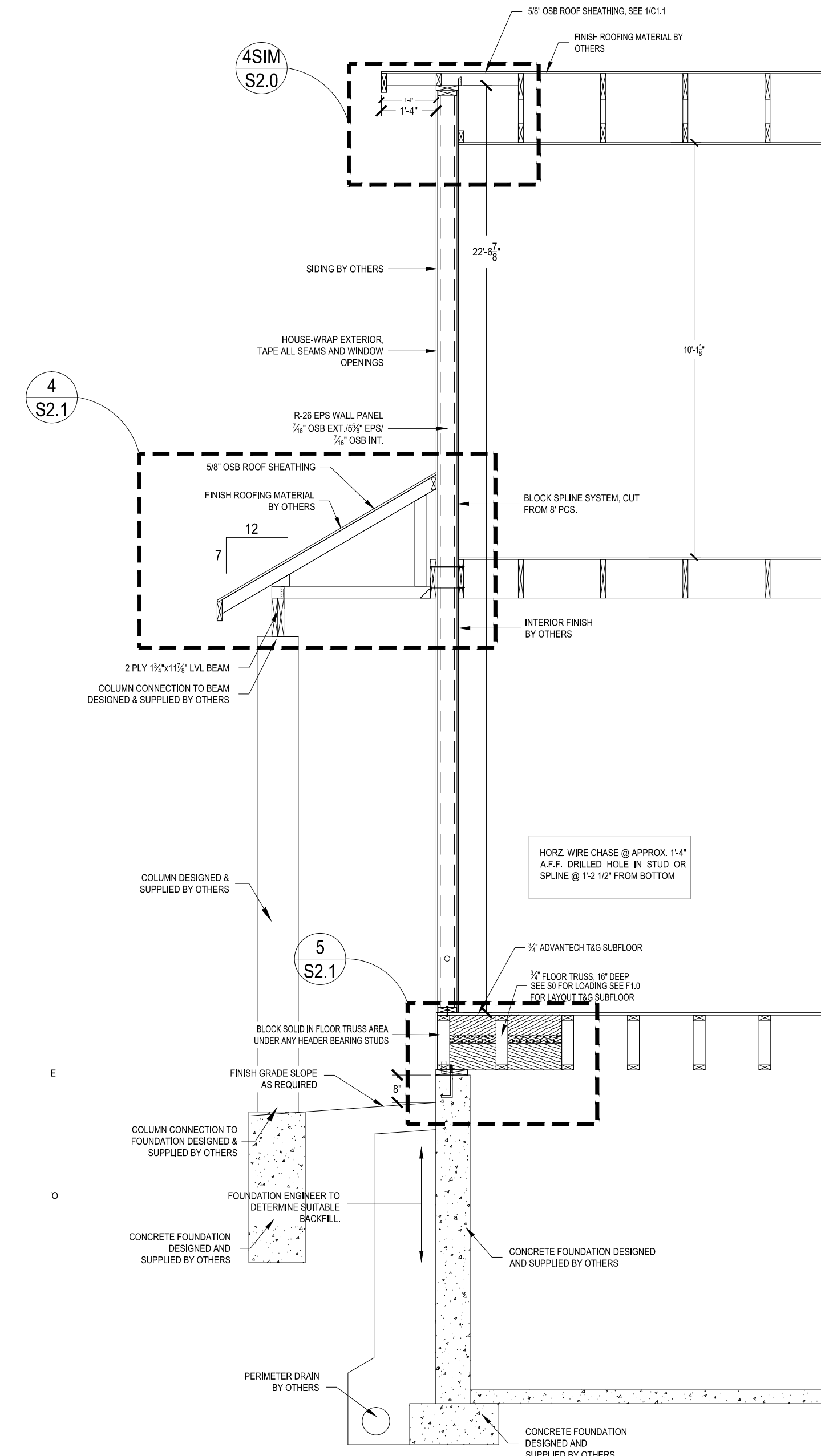
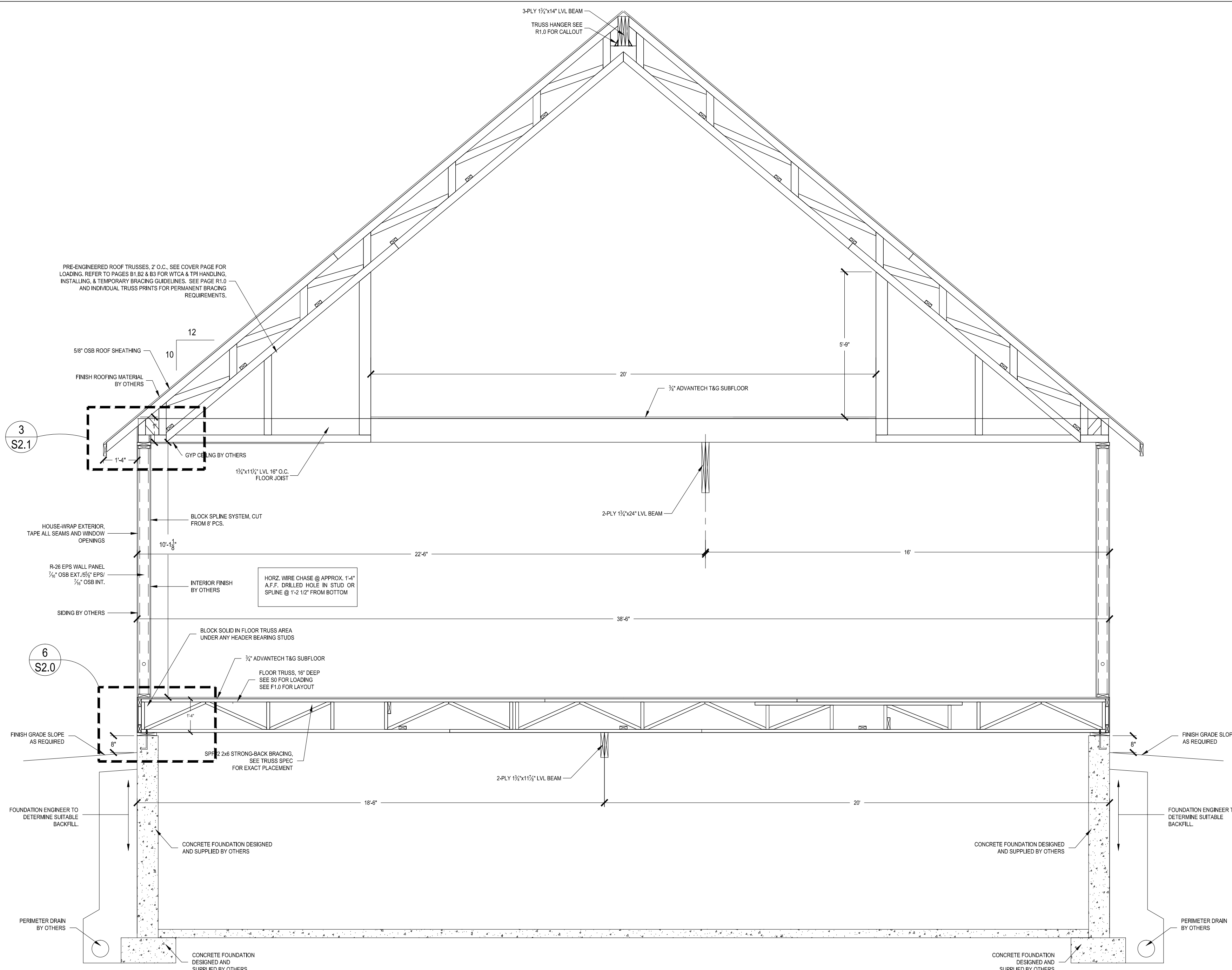
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10/14/2015
10/26/2015
Print Date: 11/03/2015

DEALER:
SCHOELERMAN CONTRACTING
PROJECT TITLE:
SPRINGMAN
SOLID CORE BUILDING PACKAGE

BUILDING SECTIONS

SHEET TITLE:
PROJECT STATUS:
FINAL
DRAWINGS

SHEET:
S2.1





CUSTOMER SERVICE:
KZ

REVIEWED BY:
DMM

REVISIONS:

10/1/2015

10/14/2015

10/26/2015

Print Date: 11/03/ 2015

DEALER:

SCHOELERMAN CONTRACTING

PROJECT TITLE:

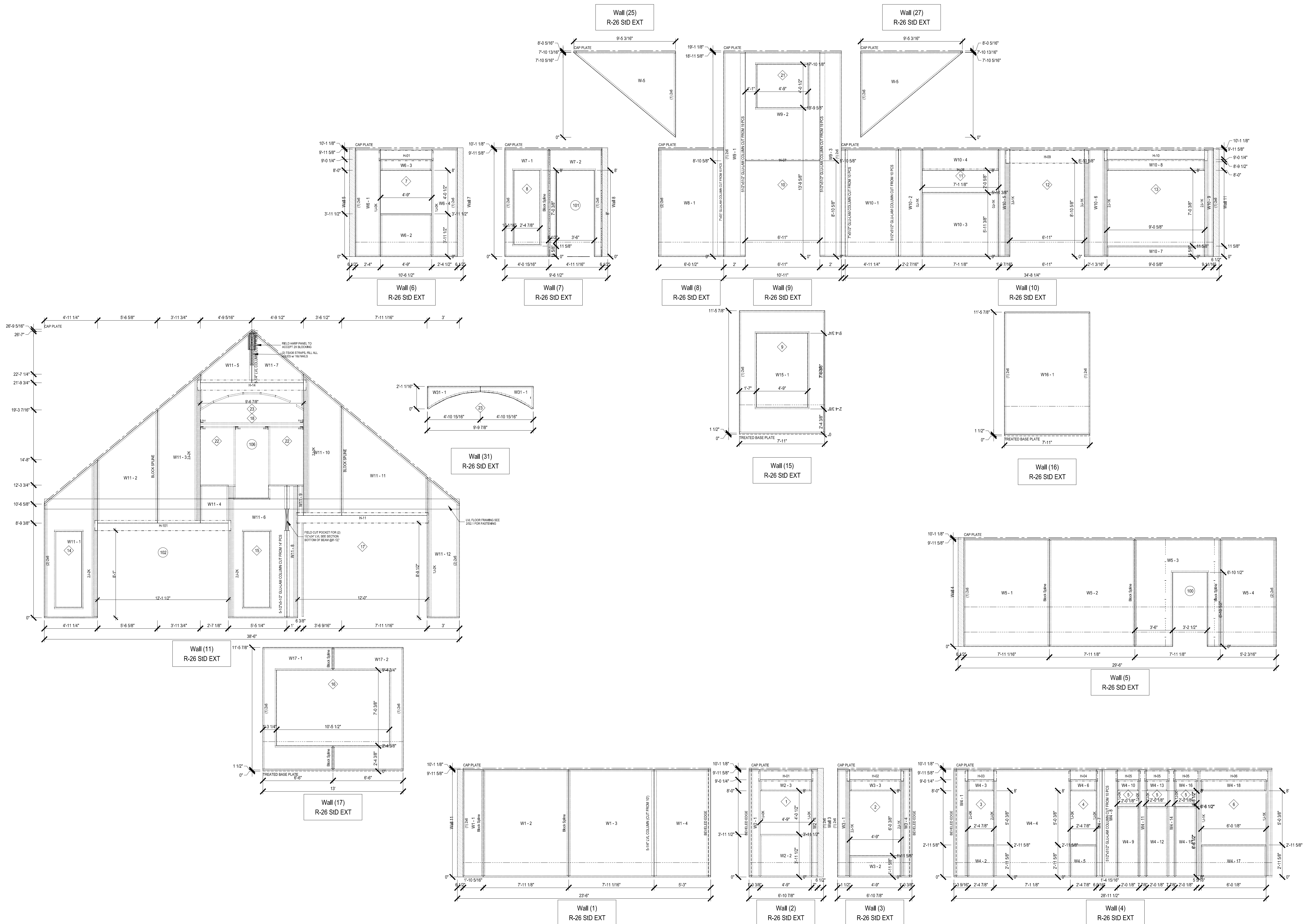
SPRINGMAN

SOLID CORE BUILDING PACKAGE

PANEL ELEVATIONS

PROJECT STATUS:
FINAL
DRAWINGS

S3.0





CUSTOMER SERVICE:
KZ

DATE:
9/18/2015

REVISIONS:

10/1/2015
10/14/2015
10/26/5015

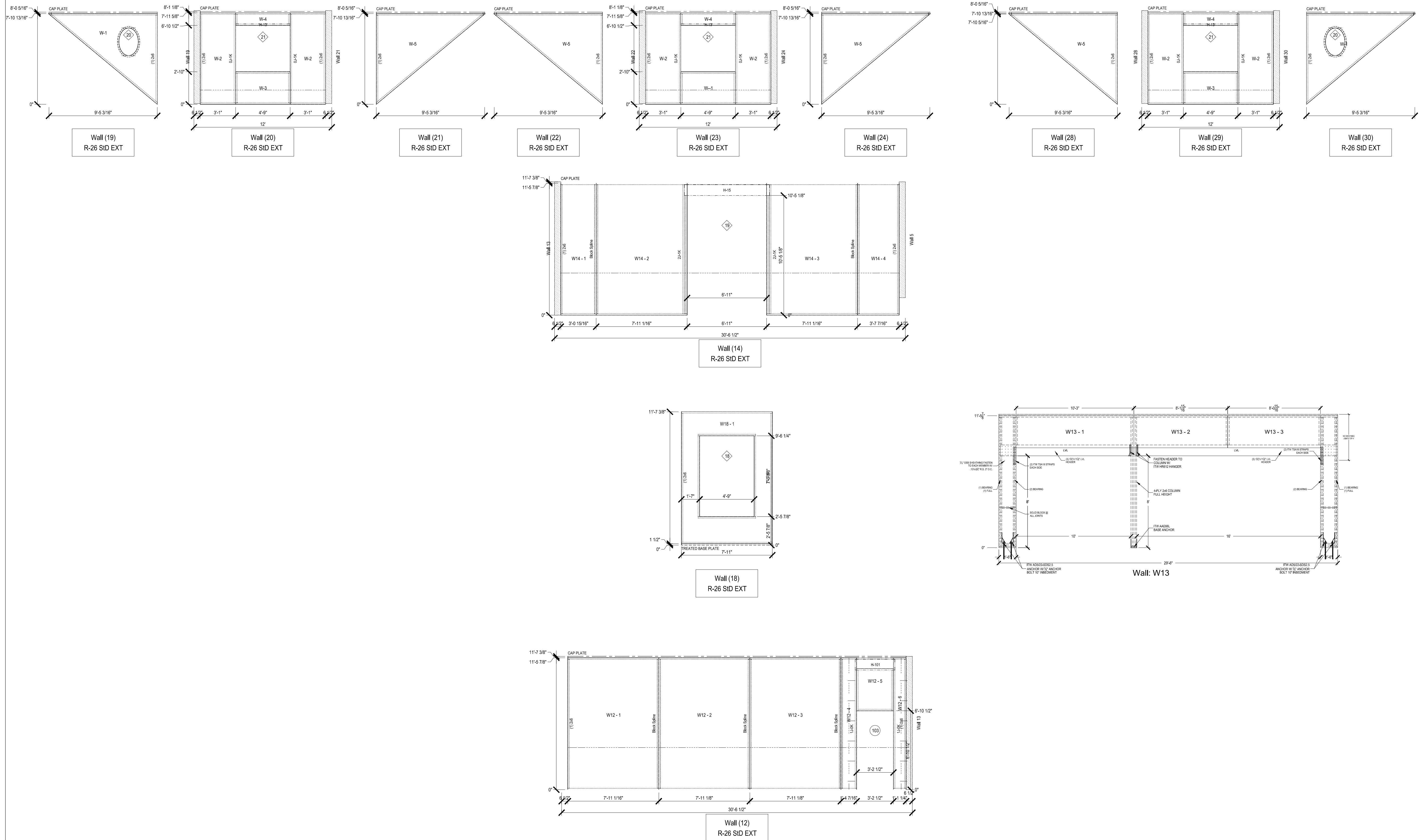
Print Date: 11/03/2015

PROJECT TITLE:
SCHOELERMAN CONTRACTING
SPRINGMAN
SOLID CORE BUILDING PACKAGE

PANEL ELEVATIONS

HEET:

S3.1

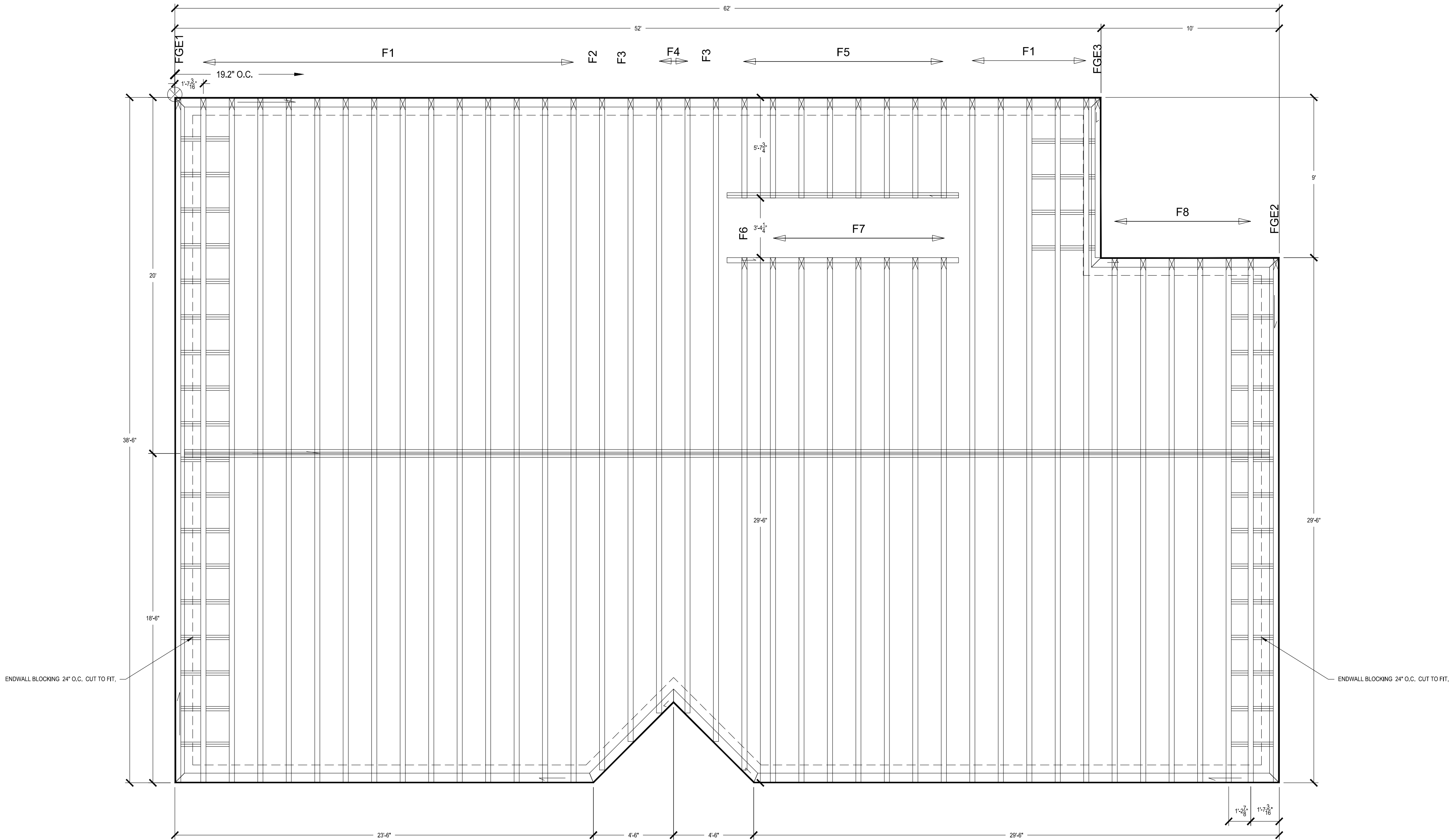
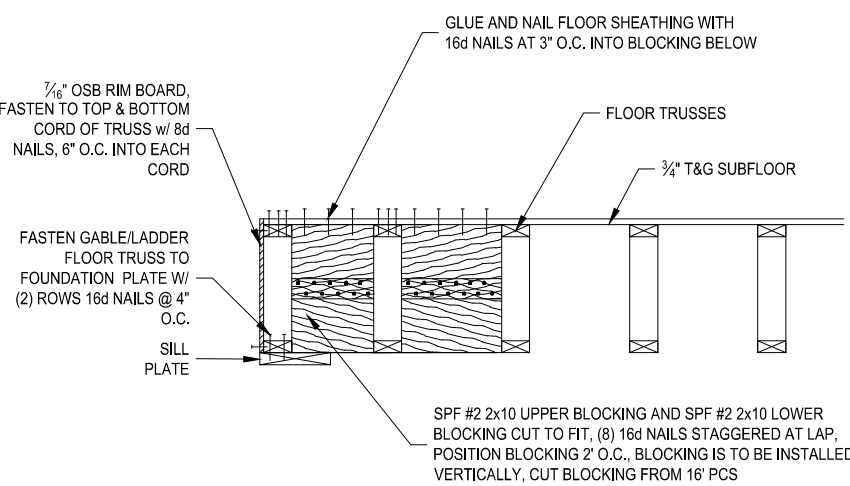
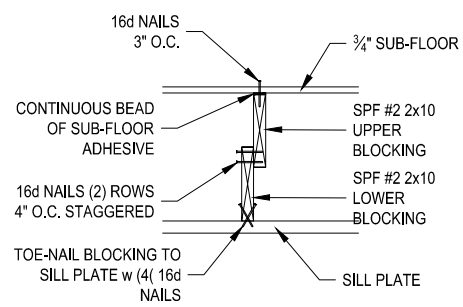
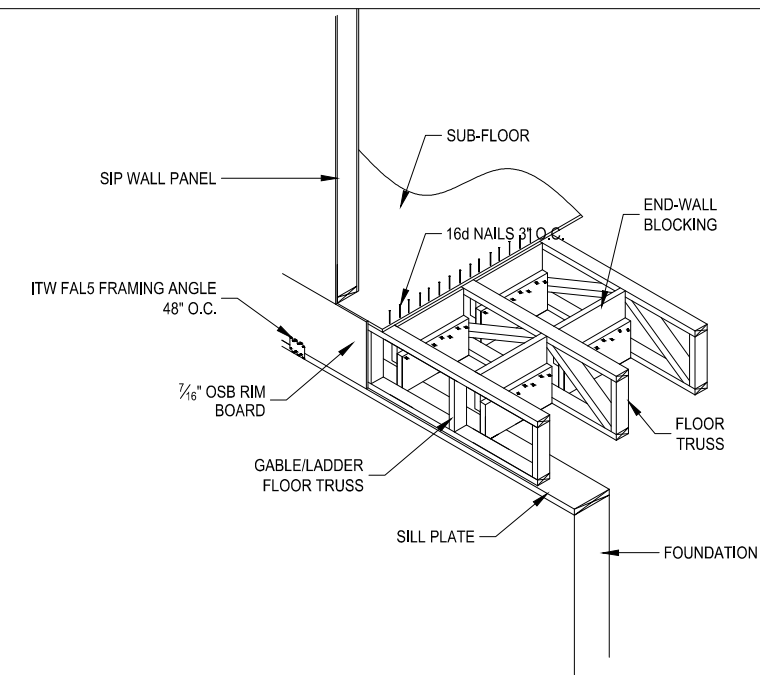


GENERAL LAYOUT NOTES:

1. Complete truss engineering and analysis can be found on the Truss Design Drawings which may be sealed by the Truss Design Engineer as applicable. The trusses identified are designed as individual building components to be incorporated into the building to support the loads specified on the individual truss drawings. The Contractor/owner is to verify that no other load, from the overall building system, is imposed on these trusses.
2. Any discrepancies between the dimensions and conditions specified on this layout versus the approved for construction prints should be reported prior to truss fabrication.
3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.
4. Do NOT cut or alter truss location without prior approval of Energy Panel Structures. All connections must be made in such a way as to prevent splitting. Pre-drill if necessary.
5. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 2007.
6. The required permanent bracing for the truss top chord, bottom chord, and webs are specified on the individual truss drawing. See EPS drawings for requirements.
7. For general guidance regarding bracing consult BCSI Guide to good practice for handling, installing, and bracing of metal plate connected wood trusses" available from the Truss Plate Institute, 218 North Lee St., Ste. 312, Alexandria, VA 22314 - (703) 683-1010 - www.tpiinst.org <<http://www.tpiinst.org>>

GENERAL SAFETY NOTES:

1. Failure to follow all notes could cause property damage or personal injury!
2. Until the building is completely erected in accordance with the construction documents, the trusses are unstable and may present a safety hazard. Truss instability may increase with building width, height, and length.
3. Buildings under construction are vulnerable to high winds and present a safety hazard. It is the responsibility of the contractor and truss installation crew to brace components adequately.
4. Review all information provided in the JOBSITE PACKAGE to ensure compliance with industry recommendations.



1 FLOOR TRUSS LAYOUT
SCALE: 1/4" = 1'-0"

2 - ENDWALL BLOCKING DETAIL



PROJECT NUMBER:
2015/HOUSE/IA33645

CUSTOMER SERVICE:
KZ

DRAWN BY:
TTK

REVIEWED BY:
DMM

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9/18/2015

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10/1/2015
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SCHOELERMAN CONTRACTING
PROJECT TITLE:
SPRINGMAN
SOLID CORE BUILDING PACKAGE

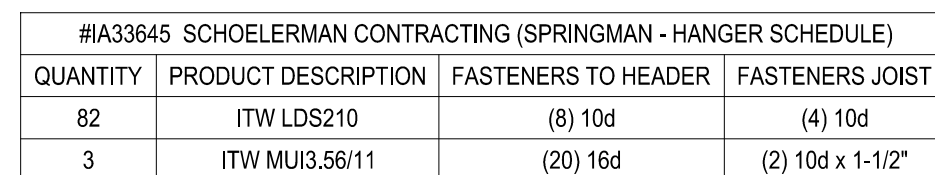
FLOOR TRUSS
LAYOUT

PROJECT STATUS:
FINAL
DRAWINGS

SHEET:

F1.0

4. Review all information provided in the JOBSITE PACKAGE to ensure compliance with industry recommendations.



1

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

F1.1

GENERAL LAYOUT NOTES:

1. Complete truss engineering and analysis can be found on the Truss Design Drawings which may be sealed by the Truss Design Engineer as applicable. The trusses identified are designed as individual building components to be incorporated into the building to support the loads specified on the individual truss drawings. The Contractor/owner is to verify that no other load, from the overall building system, is imposed on these trusses.

2. Any discrepancies between the dimensions and conditions specified on this layout versus the approved for construction prints should be reported prior to truss fabrication.

3. Never exceed the design loading shown and never stack materials on inadequately braced trusses.

4. Do NOT cut or alter truss location without prior approval of Energy Panel Structures. All connections must be made in such a way as to prevent splitting. Pre-drill if necessary.

5. For valley trusses, the roof under the valley trusses shall be sheathed. Conventionally framed valleys shall transfer load uniformly to the trusses below.

6. Design assumes trusses will be suitably protected from the environment in accord with ANSI/TP1 2007.

7. Truss to wall connection specified for each truss, satisfies uplift requirements only. Truss uplift requirements are shown on the individual truss drawings. For all unspecified truss to truss or truss to wall connections, use 3-16d (0.131"x3.5") Toe-nailed.

8. The required permanent bracing for the truss top chord, bottom chord, and webs are specified on the individual truss drawing. T-bracing is to be used for webs when lateral bracing is impractical. Additional bracing may be required for overall building stability. See EPS drawings for requirements.

9. For general guidance regarding bracing consult "BCSI Guide to good practice for handling, installing, and bracing of metal plate connected wood trusses" available from the Truss Plate Institute, 218 North Lee St., Ste. 312, Alexandria, VA 22314 - (703) 683-1010 - www.tpiinst.org <<http://www.tpiinst.org>>

10. See individual truss profiles for all multiply truss nailing specifications.

GENERAL SAFETY NOTES:

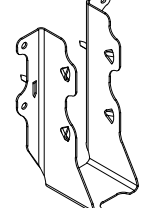
1. Failure to follow all notes could cause property damage or personal injury!

2. Until the building is completely erected in accordance with the construction documents, the trusses are unstable and may present a safety hazard. Truss instability may increase with building width, height, and length.

3. Buildings under construction are vulnerable to high winds and present a safety hazard. It is the responsibility of the contractor and truss installation crew to brace components adequately.

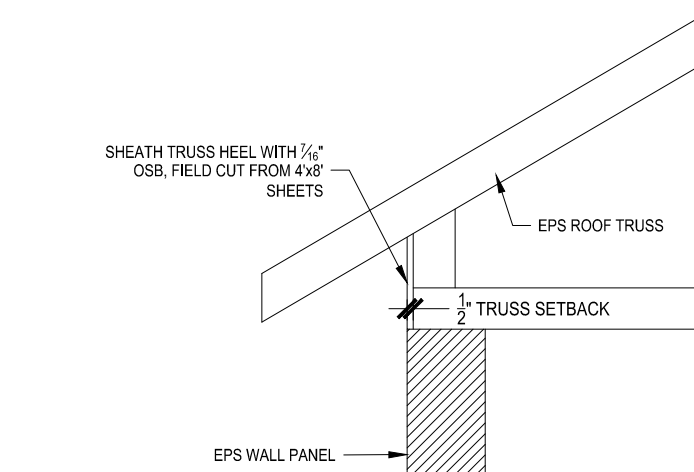
4. Review all information provided in the JOBSITE PACKAGE to ensure compliance with industry recommendations.

LOS26
Fasteners:
Supporting Members: (4) 10d Common @ 45° Nails
Supported Members: (4) 10d X 1.5" @ 90° Nails, per member

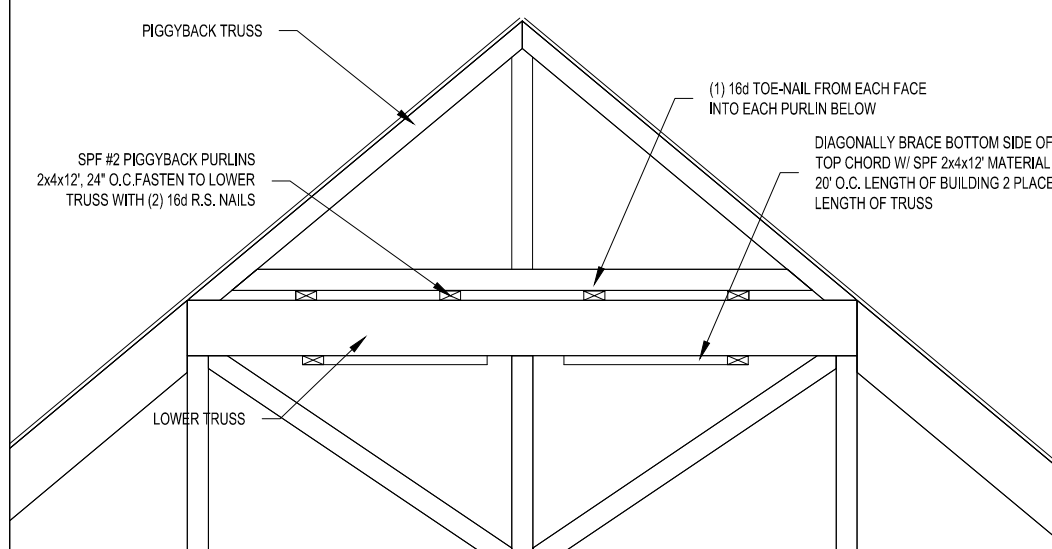


Code Compliance:
IRC 2008, 2009, 2012

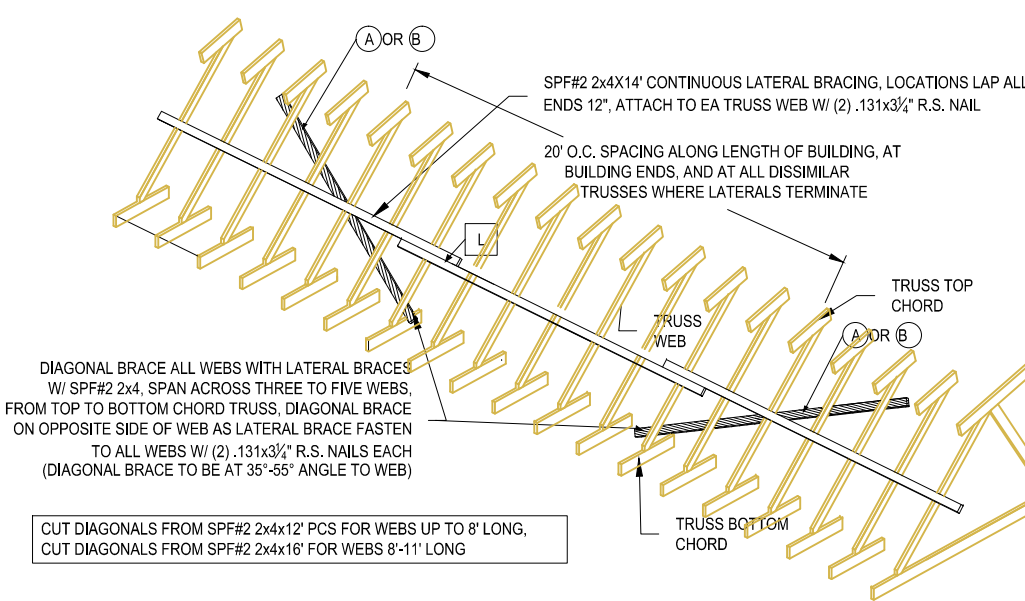
Alpine, an ITW Company
www.alpinebuilding.com
800.521.1970



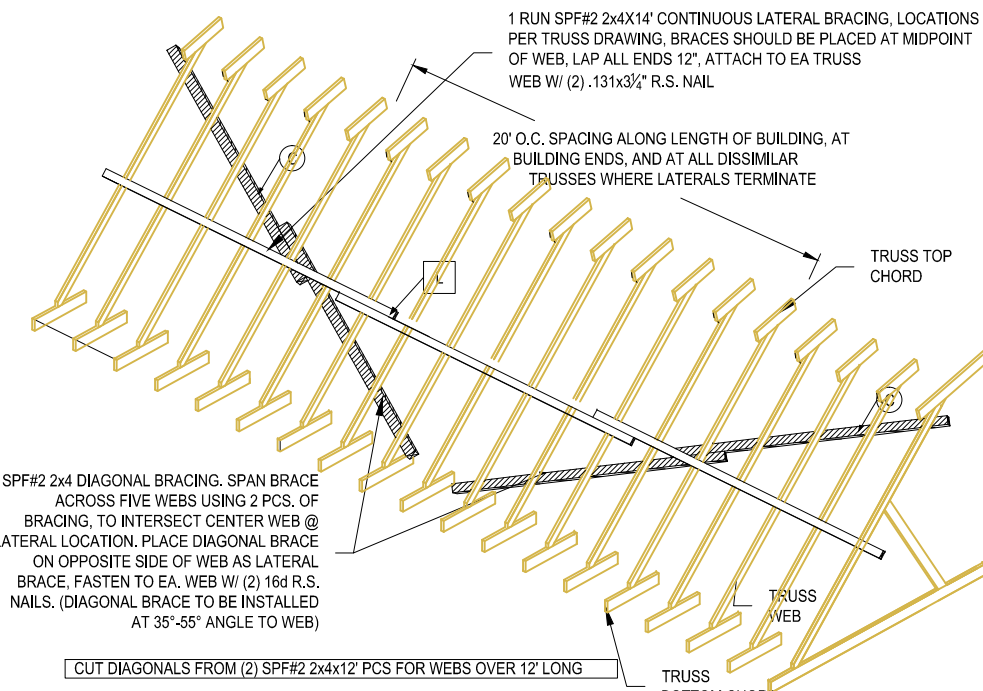
STANDARD TRUSS SET BACK



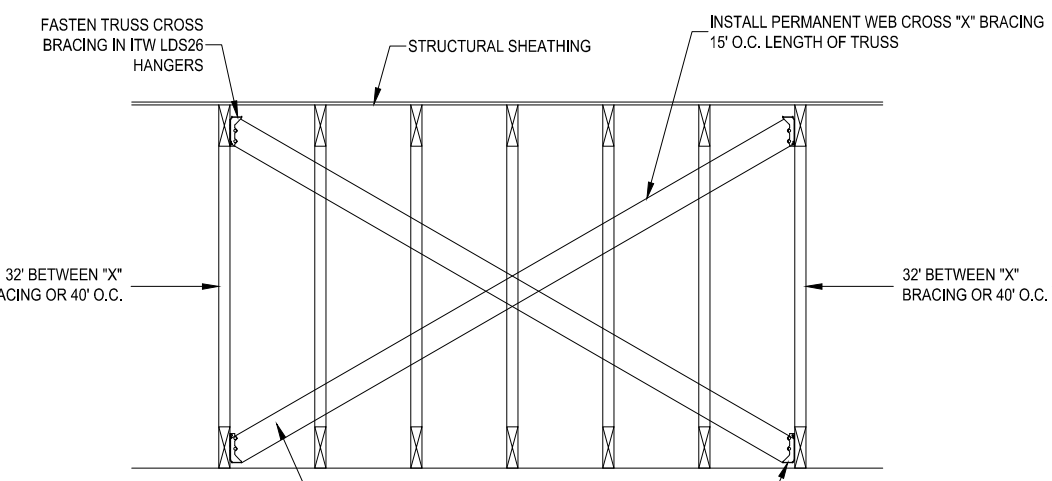
1 - PIGGY BACK TRUSS DETAIL



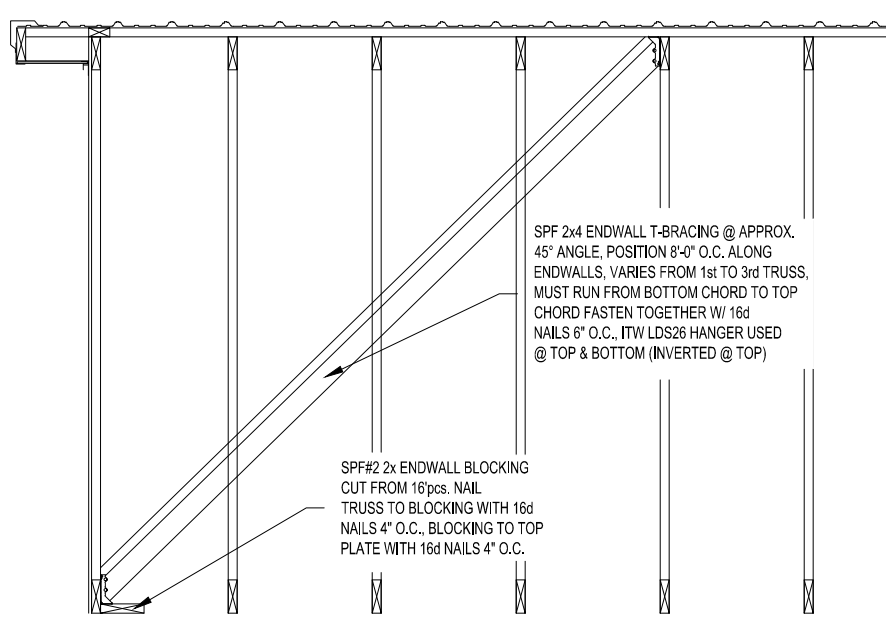
2B - (1) RUN LATERAL BRACE, WEB < 11' LONG



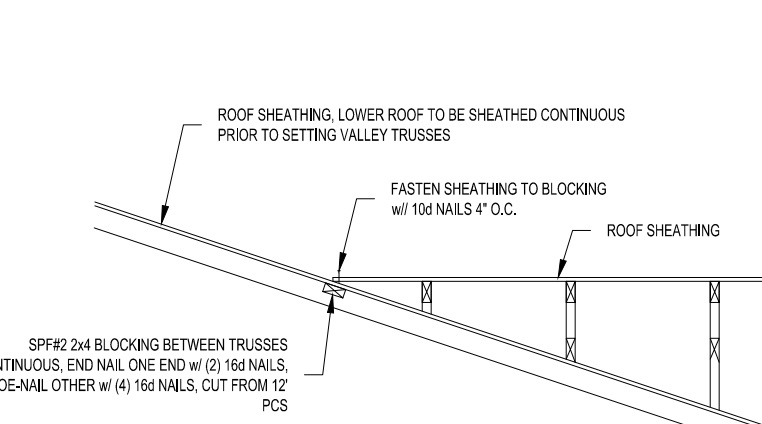
2C - (1) RUN LATERAL BRACE, WEB > 12' LONG



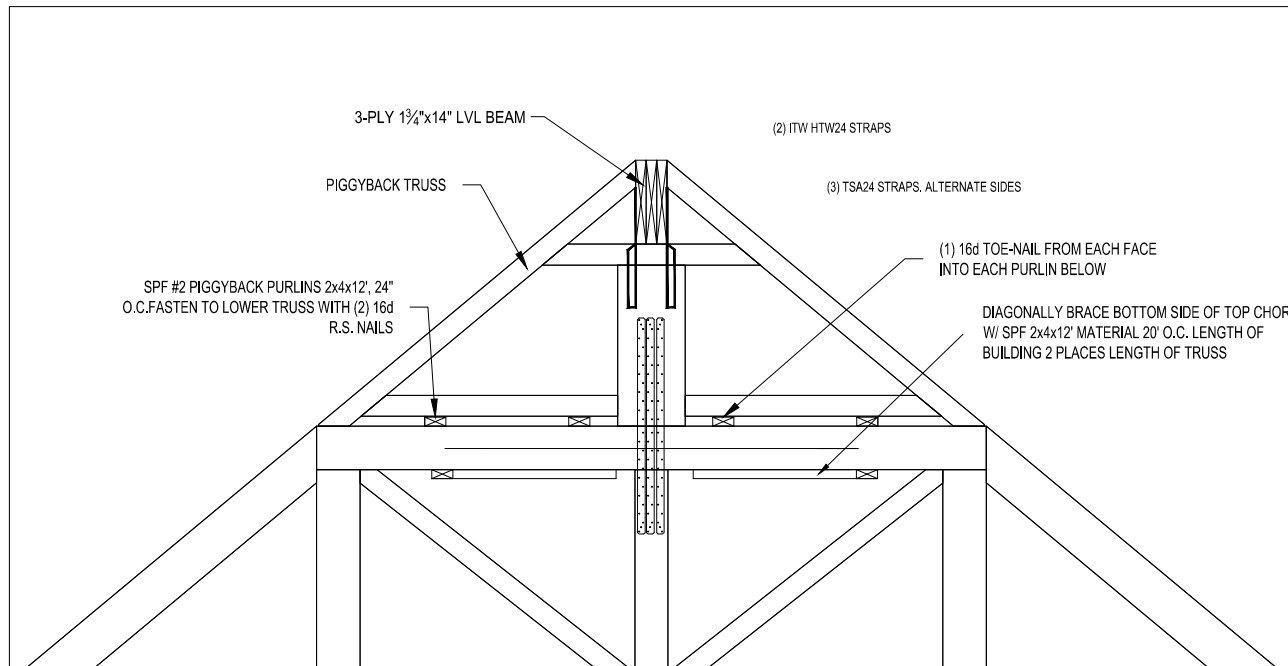
3 - ATTIC CROSS BRACING



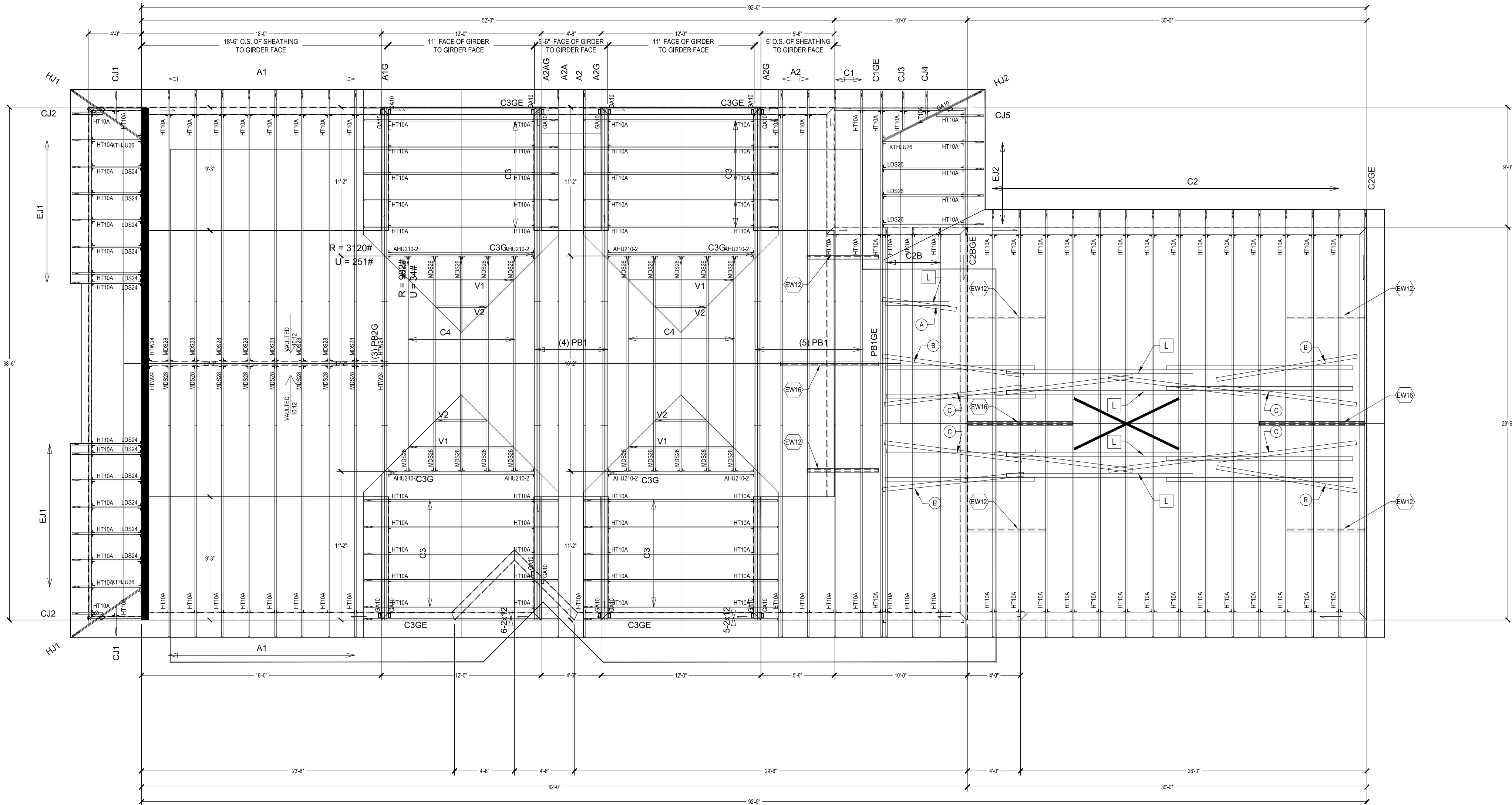
4 - ENDWALL T-BRACING



5 - VALLEY SHEATHING



6 - PIGGY BACK TRUSS DETAIL



#A33645 SCHOELERMAN CONTRACTING (SPRINGMAN - HANGER SCHEDULE)			
QUANTITY	PRODUCT DESCRIPTION	FASTENERS TO HEADER	FASTENERS JOIST
19	ITW GA10	(4) WS15 SCREWS TO TRUSS	(4) WS3 SCREWS TO PLATE
4	ITW HTW24	(20) 10d	
2	ITW MDS28	(22) 16d	(8) 16d
25	ITW LOS26	(8) 16d	(2) 10d x 1-1/2"
128	ITW HT10A	(8) 8d x 1-1/2"	(8) 8d x 1-1/2"
20	ITW MDS28	(14) 16d	(8) 16d
8	ITW AHU210-2	(24) 16d	(16) 10d
3	ITW KTHUJ26	(16) 10d	(4) 10dHP / (4) 10d JACK
12	ITW LOS24	(4) 10d	(2) 10d

- SPF #2 2x4 ATTIC CROSS BRACING @ 15' O.C. LENGTH OF TRUSS. SEE DETAIL 3X11.0 XBR12, USE 12' PCS. XBR16 USE 16' PCS.
- SPF #2 2x4 ENDWALL "T" BRACING @ 8' O.C. SEE DETAIL 4R1.0XBR12, USE 12' PCS. XBR16 USE 16' PCS.

- DIAGONAL BRACE, (1) SPF #2 2x4x12 MATERIAL @ 20' O.C. ENTIRE LENGTH OF BUILDING. SEE DIAGONAL BRACE CONSTRUCTION DETAILS 2BR1.0 FOR INSTALLATION INSTRUCTIONS.
- DIAGONAL BRACE, (2) SPF #2 2x4x12 MATERIAL @ 20' O.C. ENTIRE LENGTH OF BUILDING. SEE DIAGONAL BRACE CONSTRUCTION DETAILS 2BR1.0 FOR INSTALLATION INSTRUCTIONS.
- CONTINUOUS LATERAL BRACE SPF #2 2x4x14; ENTIRE LENGTH OF BUILDING. SEE CONSTRUCTION DETAILS 2B & 2A R1.0 FOR INSTALLATION INSTRUCTIONS.

1 ROOF TRUSS LAYOUT
SCALE: 3/16" = 1'-0"



PROJECT NUMBER:
2015/HOUSE/IA33645

CUSTOMER SERVICE:
KZ

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TTK

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DMM

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SCHOELERMAN CONTRACTING
PROJECT TITLE:
SPRINGMAN
SOLID CORE BUILDING PACKAGE

TRUSS LAYOUT &
BRACING

SHEET TITLE:
PROJECT STATUS:
FINAL
DRAWINGS

SHEET:

R1.0

PROJECT NUMBER:
2015/HOUSE/IA33645

CUSTOMER SERVICE:
KZ
DRAWN BY:
TTK
REVIEWED BY:
DMM

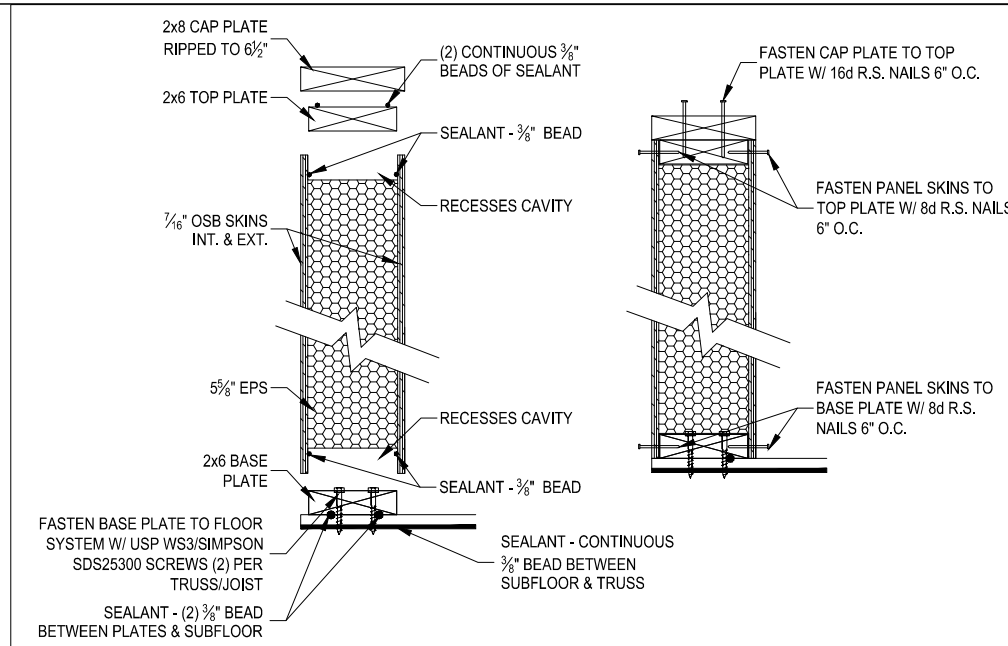
DATE:
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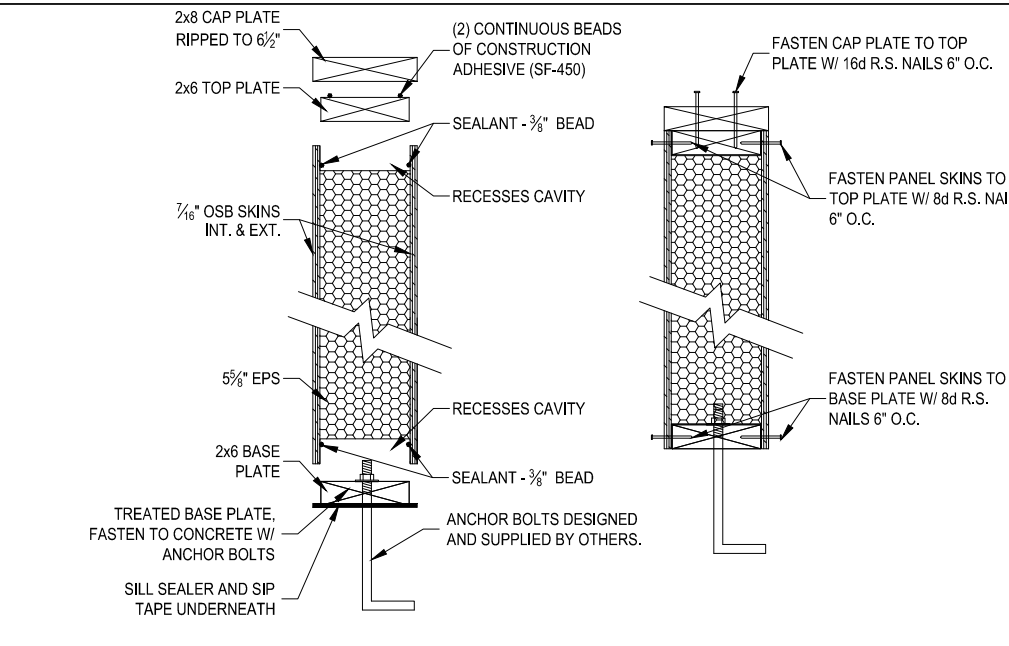
SHEET TITLE:
CONSTRUCTION
DETAILS

PROJECT STATUS:
FINAL
DRAWINGS

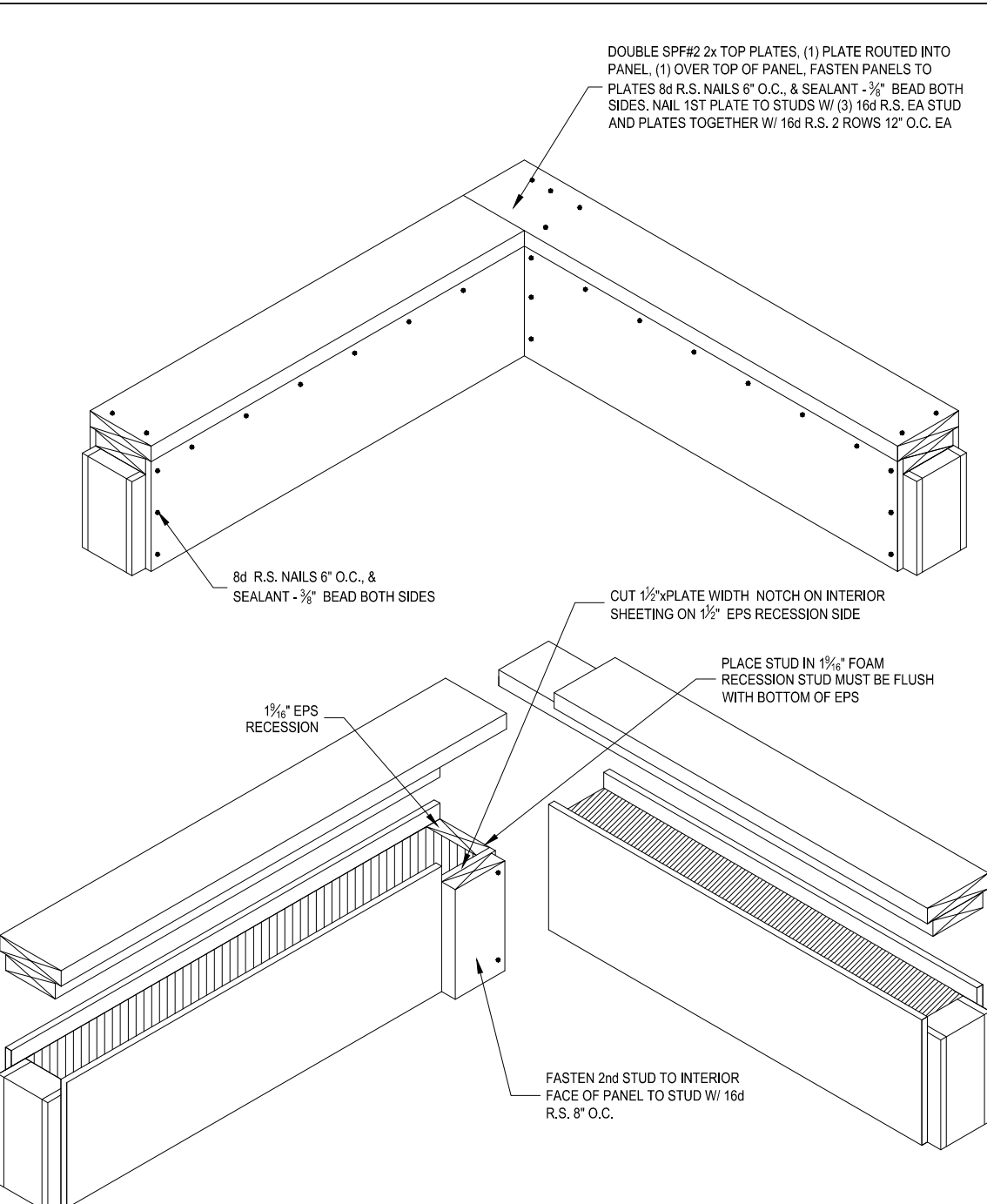
SHEET:
C1.0



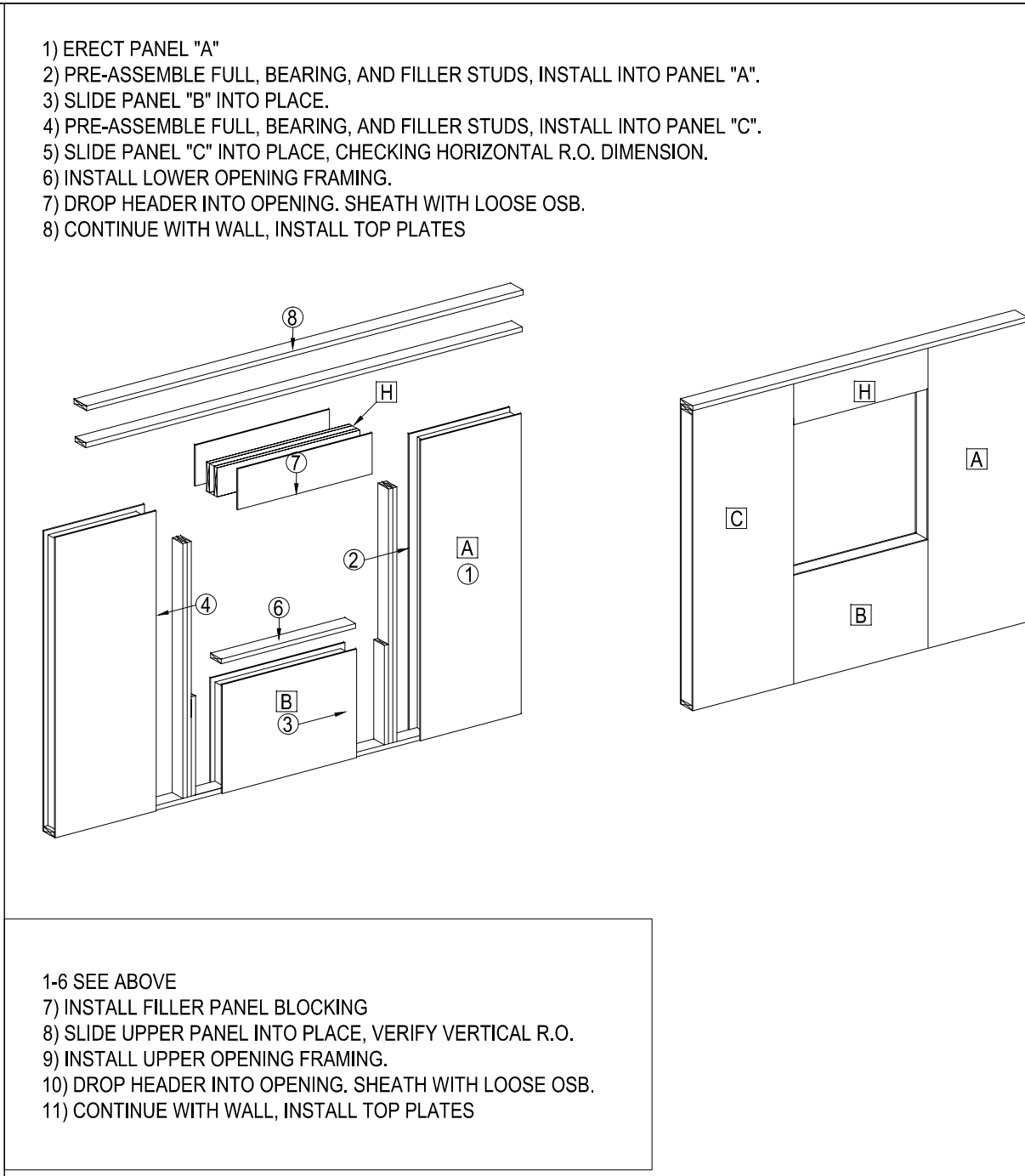
1 - WALL PANEL ASSEMBLY



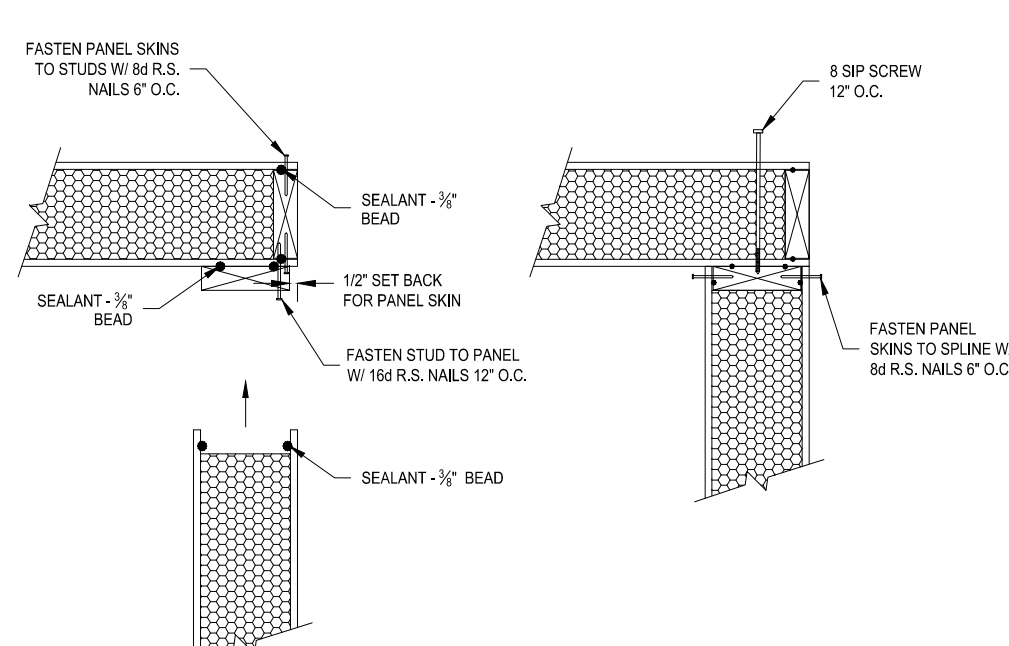
1A - WALL PANEL ASSEMBLY



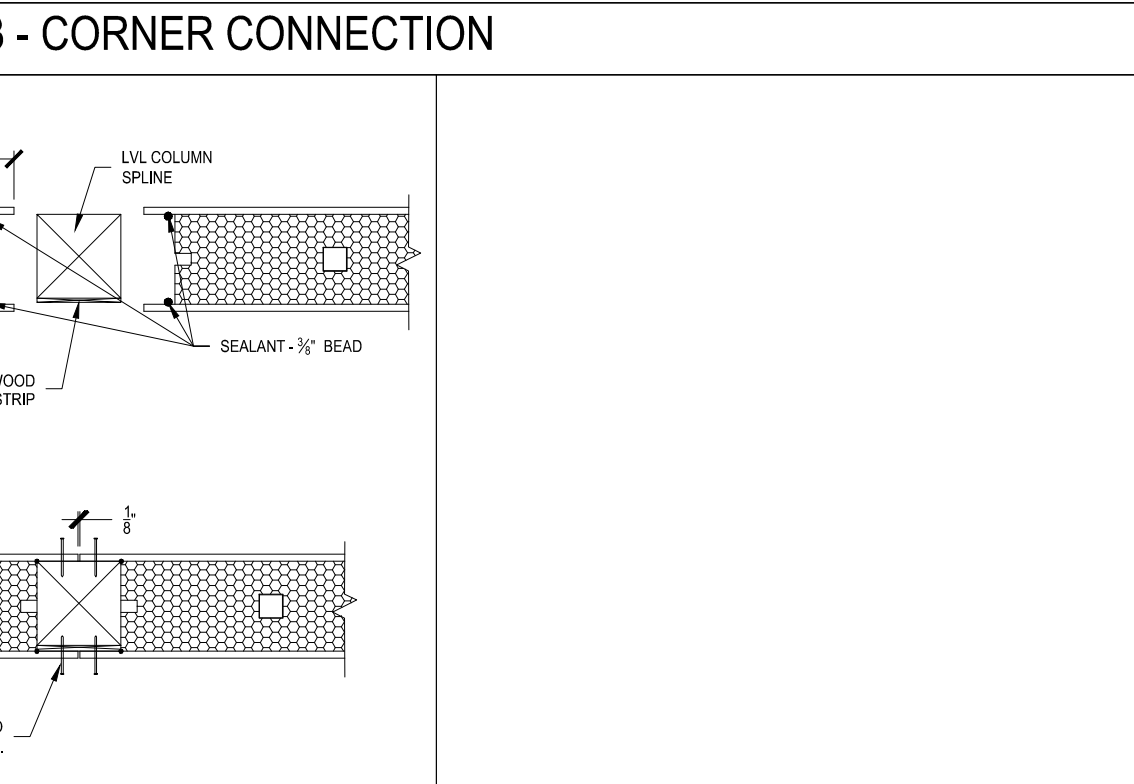
3 - CORNER CONNECTION



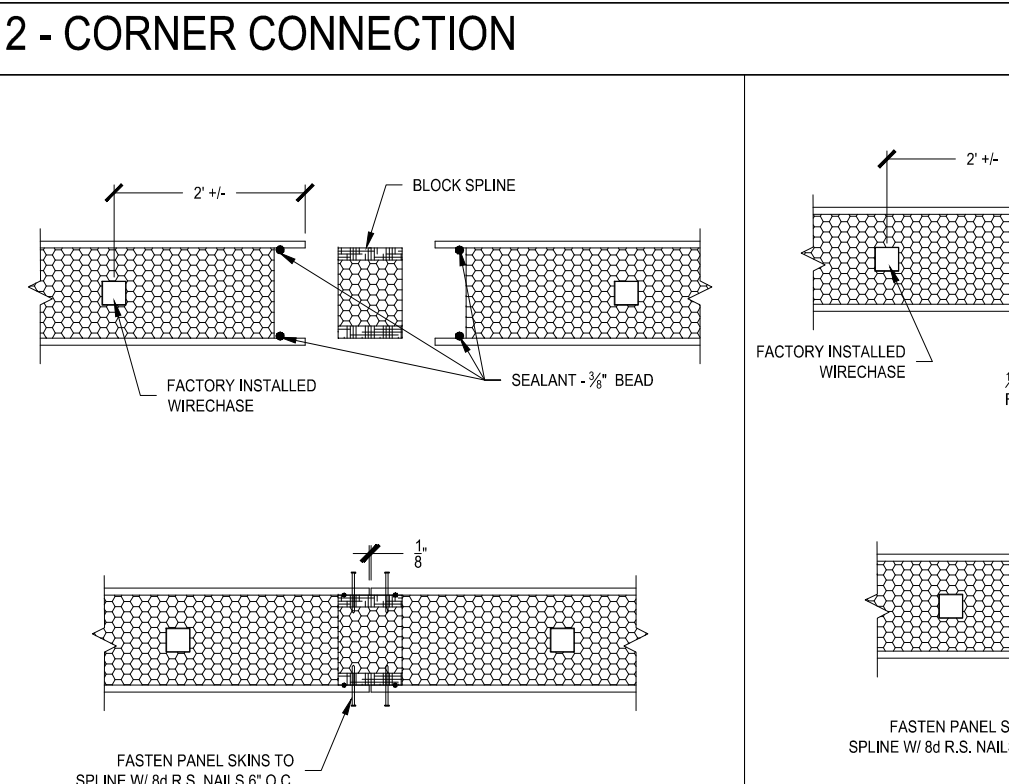
9 - TYPICAL HEADER FRAMING DETAIL



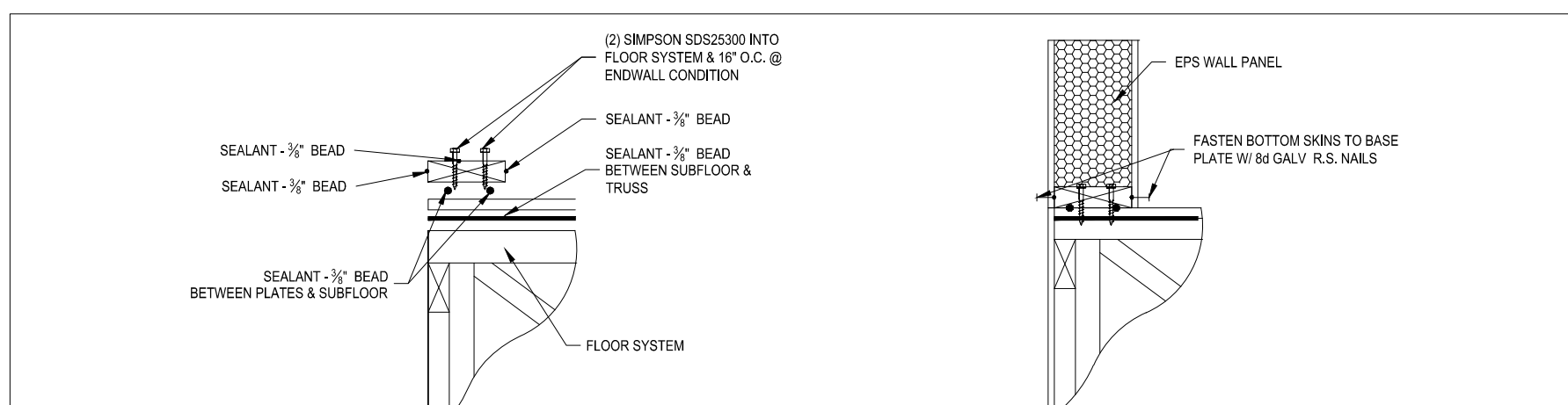
2 - CORNER CONNECTION



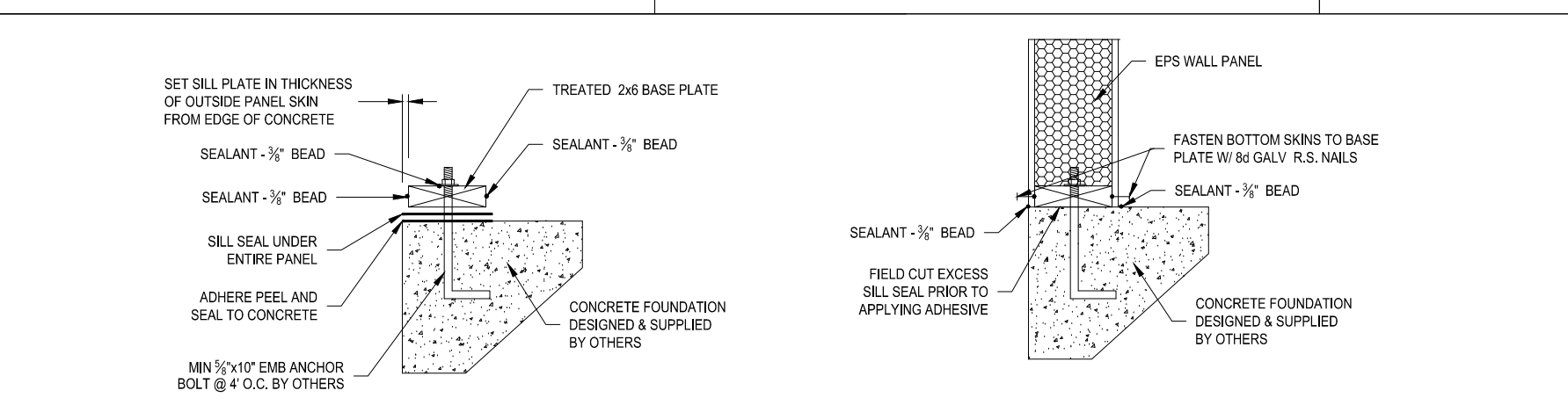
4A - PANEL / PANEL CONNECTION



4 - PANEL / PANEL CONNECTION



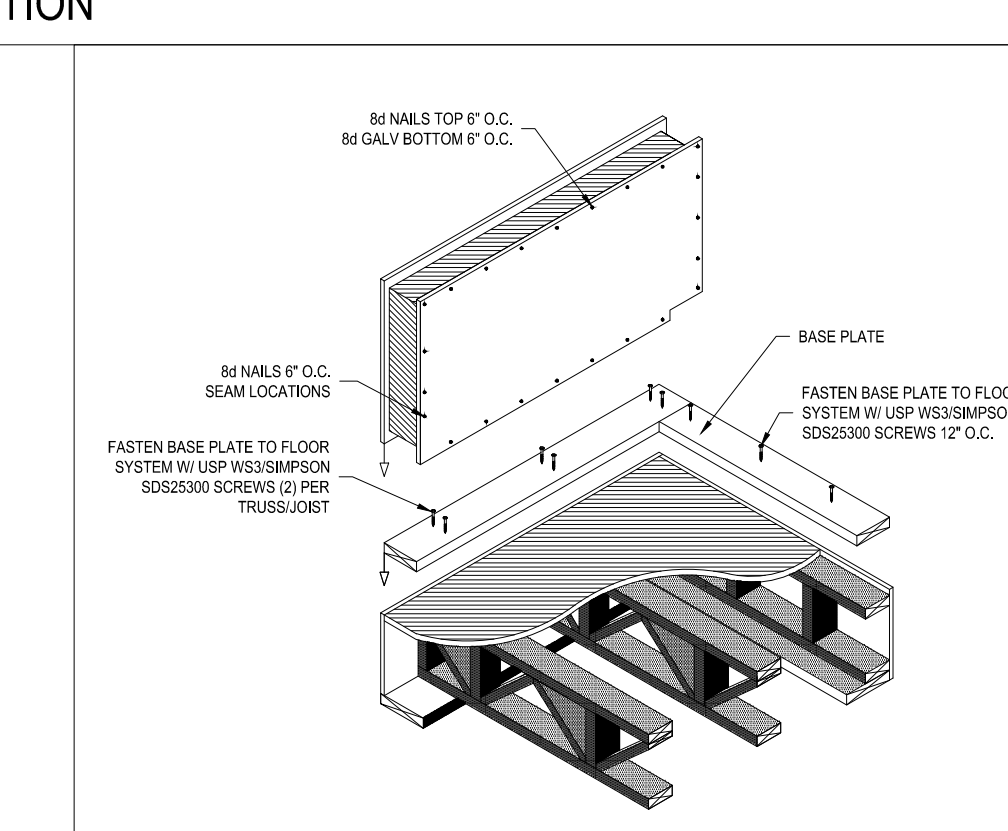
5 - BASE PLATE / CONCRETE CONNECTION



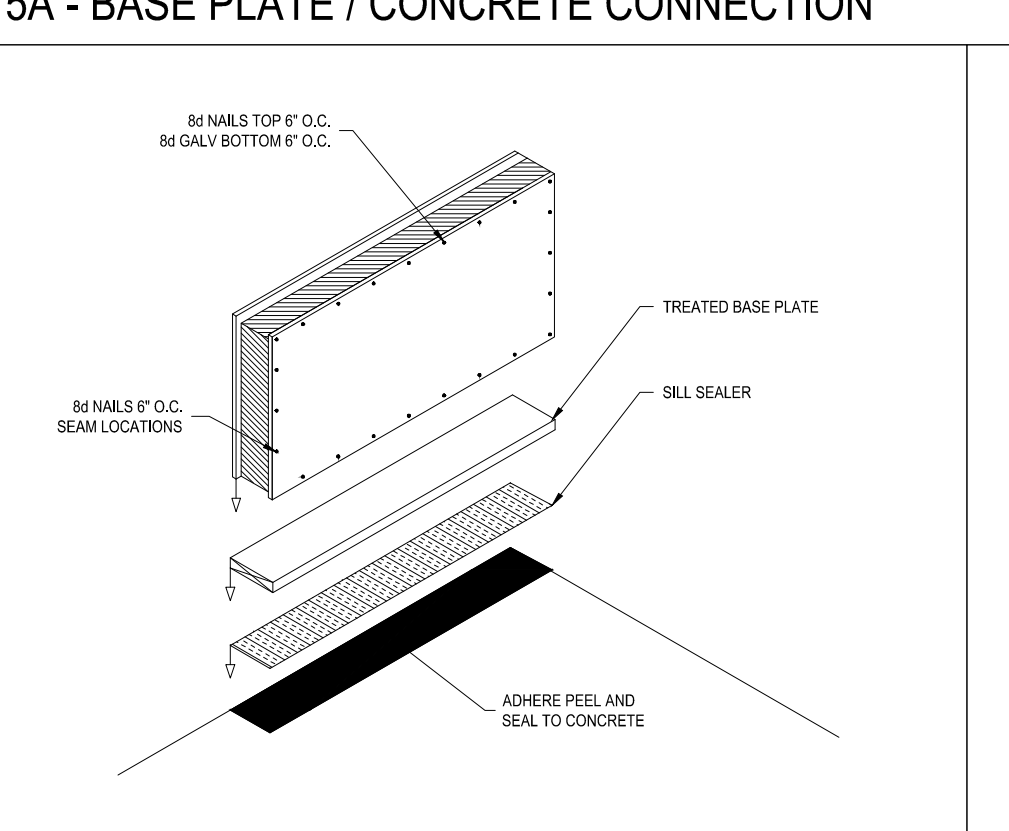
5A - BASE PLATE / CONCRETE CONNECTION

LVL BEAM FASTENING SCHEDULE			
DEPTH	FASTENER	FREQUENCY	MAXIMUM UNIFORM LOAD FROM ONE SIDE
DEPTH 11 1/2" & LESS	2 ROWS 16d	12" O.C.	400 #/ft
DEPTH 14" - 18"	3 ROWS 16d	12" O.C.	600 #/ft
DEPTH > 24"	4 ROWS 16d	12" O.C.	800 #/ft
DEPTH 11 1/2" & LESS	2 ROWS 16d	12" O.C.	300 #/ft
DEPTH 14" - 18"	3 ROWS 16d	12" O.C.	450 #/ft
DEPTH > 24"	4 ROWS 16d	12" O.C.	600 #/ft
DEPTH 16" & LESS	2 ROWS 22 x 6 1/2" TRUSSLOK SCREWS	24" O.C. STAGGERED	415 #/ft
DEPTH > 18" - 24"	3 ROWS 22 x 6 1/2" TRUSSLOK SCREWS	24" O.C. STAGGERED 18"	320 #/ft

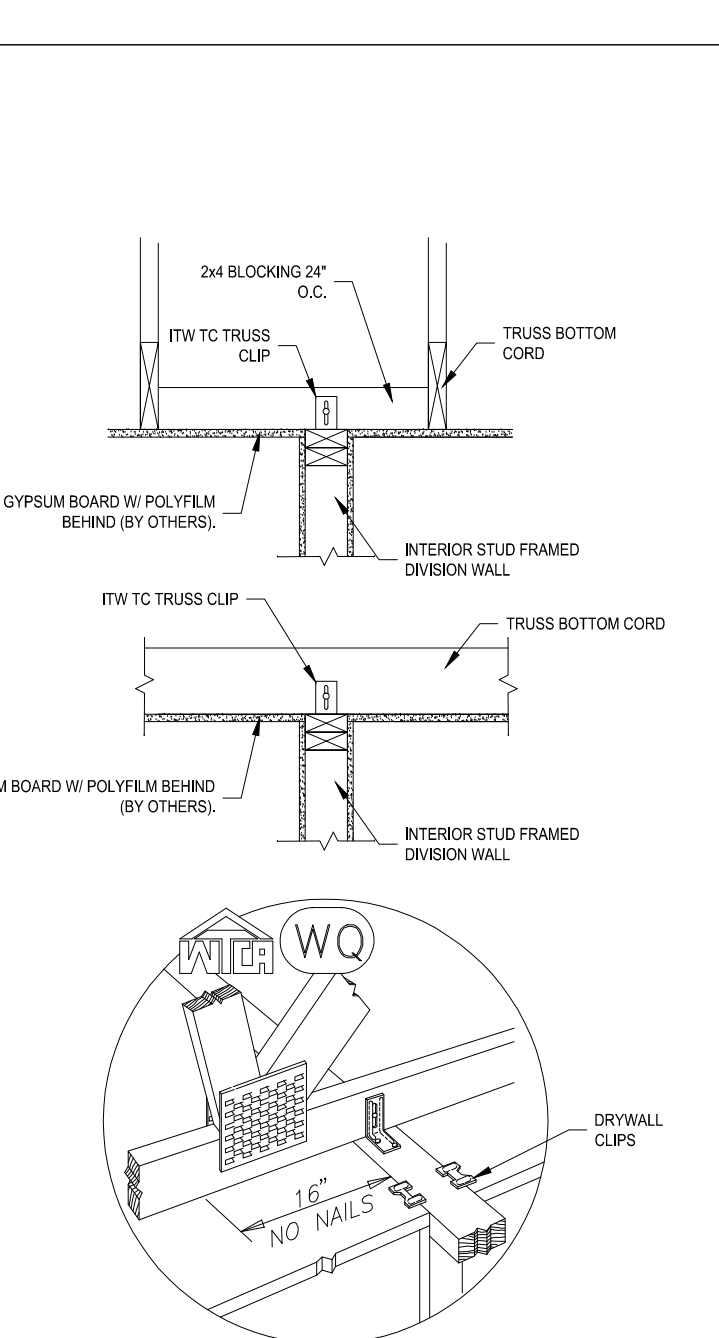
GUN NAIL SUBSTITUTION	
HAND DRIVE	GUN NAIL
8d NAIL	.131"x2 1/2" HDG R.S.
8d GALVANIZED NAIL	.131"x2 1/2" HDG R.S.
10d NAIL	.131"x3" HDG R.S.
10d GALVANIZED NAIL	.131"x3" HDG R.S.
16d NAIL	.131"x4 3/8" R.S. BRTE
16d R.S.	.131"x4 3/8" R.S. BRTE
16d GALVANIZED	.131"x4 3/8" R.S.



6 - BASE PLATE CONNECTION



6A - BASE PLATE CONNECTION



8 - DIVISION WALL / TRUSS ATTACHMENT

WALL PANEL FASTENING SCHEDULE		
COMPONENTS	TYPE OF FASTENER	FREQUENCY
BASE PLATE TO SUBFLOOR	SIMPSON SDS2300 SCREWS	(1) ROW 12" O.C. PARALLEL TRUSS (2) SCREWS PER PERP. TRUSS
PLATES TO STUDS	16d R.S.	2 PER STUD
CAP PLATE TO TOP PLATE	16d R.S.	2 ROWS 12" O.C.
PANELS TO PLATES	8d R.S.	6" O.C. INT. & EXT.
PANELS TO SPLINES / STUDS	8d R.S.	6" O.C. INT. & EXT.

WALL PANEL ADHESIVE SCHEDULE		
COMPONENTS	TYPE OF ADHESIVE	FREQUENCY
PANEL TO BASE PLATE	SUSTANT SP SEALANT / ADHESIVE	3/4" BEAD (CONTINUOUS) 1 RUN PER SKIN
PANEL TO SPLINES	SUSTANT SP SEALANT / ADHESIVE	3/4" BEAD (CONTINUOUS) 1 RUN PER SKIN
PANEL TO TOP PLATE	SUSTANT SP SEALANT / ADHESIVE	3/4" BEAD (CONTINUOUS) 1 RUN PER SKIN
TOP PLATE TO PLATE	SUSTANT SP SEALANT / ADHESIVE	(2) CONTINUOUS 3/4" BEADS

FLOOR (TRUSS) FASTENING SCHEDULE		
COMPONENTS	TYPE OF FASTENER	FREQUENCY
SUBFLOOR TO TRUSS	8d R.S.	4" O.C. EDGES 6" O.C. CENTER
1/2" OSB RM BOARD TO TRUSS	8d R.S.	6" O.C. ALL MEMBERS
TRUSS TO SILL PLATE	16d R.S.	(2) ROWS 4" O.C. (ENDWALL) (6) PER TRUSS (SIDEWALL)
2x4 RIBBON	16d R.S.	1 NAIL PER TRUSS
2x6 STRONG BACK	16d R.S.	(3) NAILS PER VERTICAL

FLOOR SYSTEM ADHESIVE SCHEDULE		
COMPONENTS	TYPE OF ADHESIVE	FREQUENCY
RM BOARD TO SILL PLATE	SUSTANT SP SEALANT / ADHESIVE	(1) CONTINUOUS BEAD
FLOOR TRUSS/JOIST TO SILL PLATE	SUSTANT SP SEALANT / ADHESIVE	(1) CONTINUOUS BEAD
SUBFLOOR TO RM BOARD & FLOOR TRUSS/JOIST	SUSTANT SP SEALANT / ADHESIVE	(1) CONTINUOUS BEAD

7 - DIVISON WALL / PANEL ATTACHMENT

8 - DIVISION WALL / TRUSS ATTACHMENT

10 - FASTENING SCHEDULE



AN EMPLOYEE-OWNED COMPANY

ENERGY PANEL STRUCTURES
102 EAST INDUSTRIAL PARK
GRAETTINGER, IA 51342
PHONE: 712-859-3219
FAX: 712-859-3275
WWW.EPSBUILDINGS.COM

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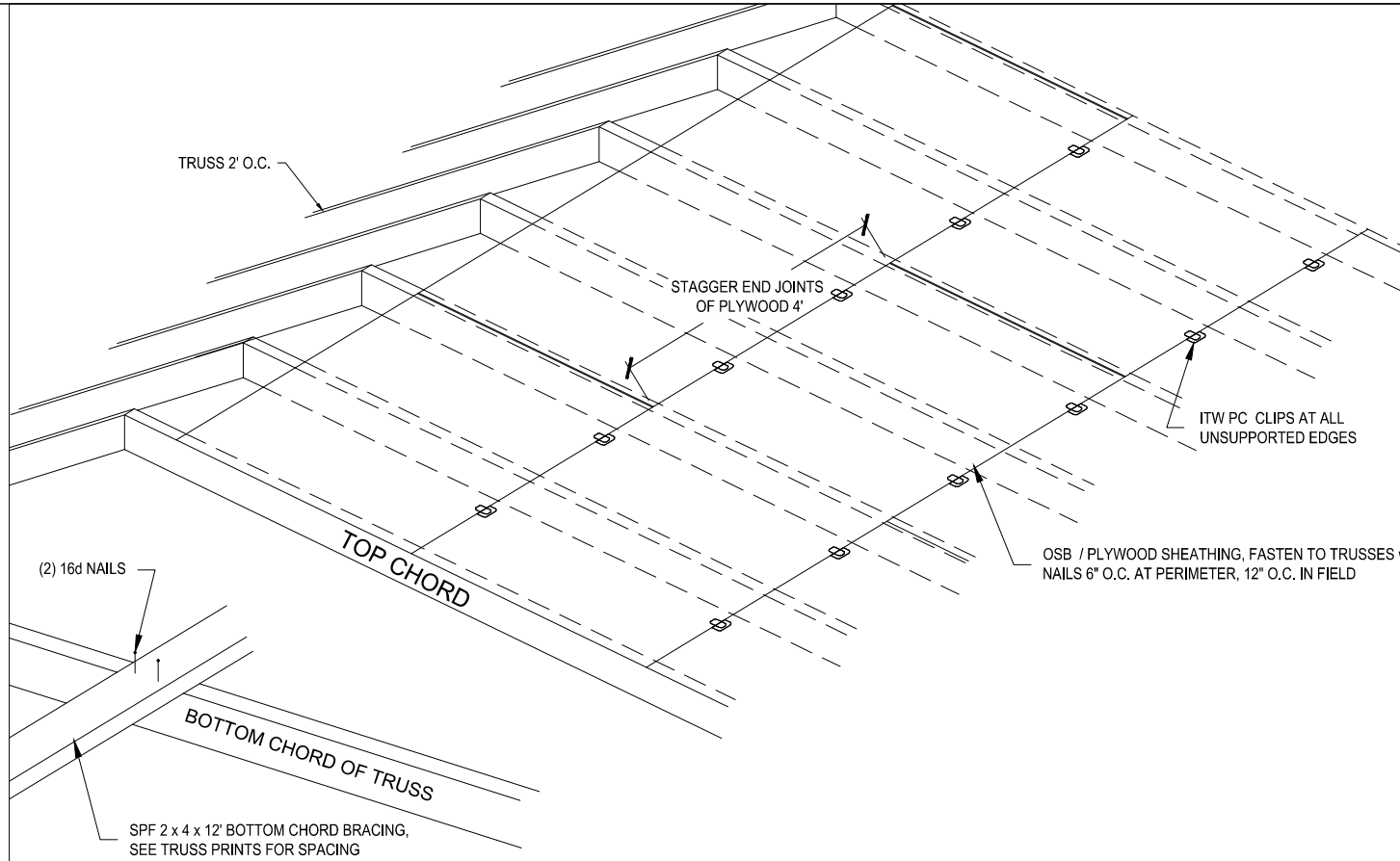
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SOLID CORE BUILDING PACKAGE

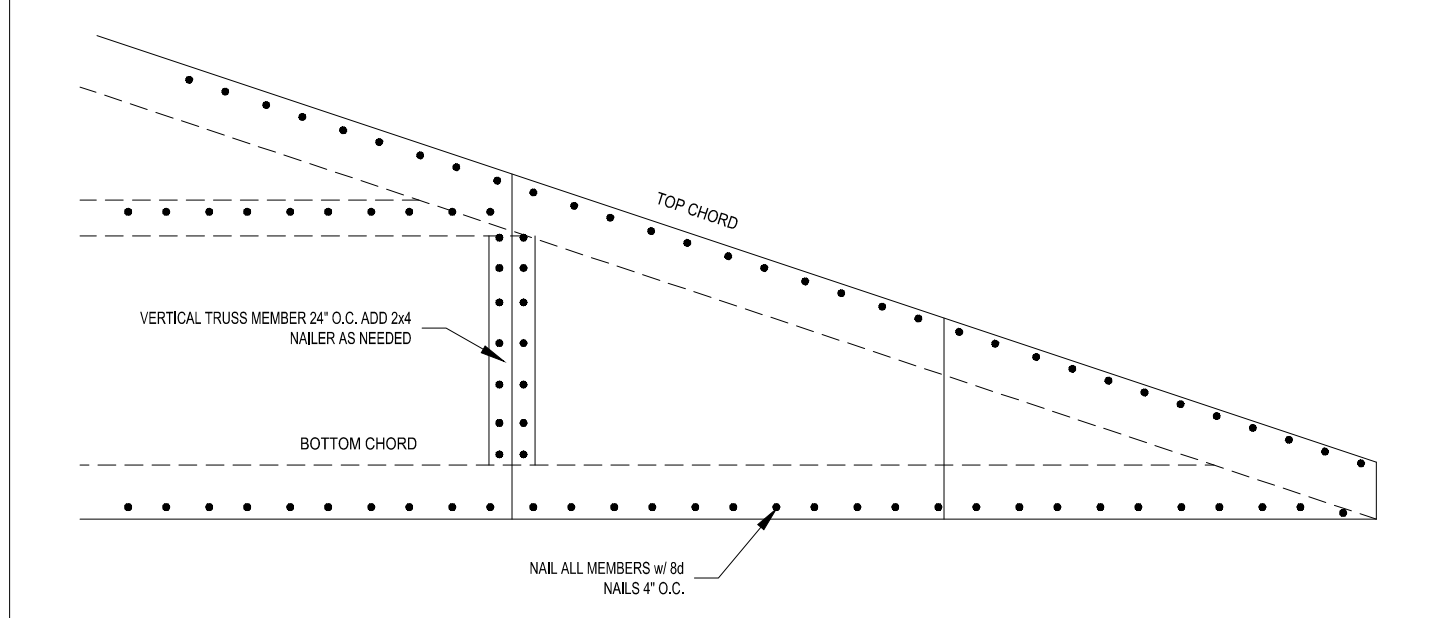
SHEET TITLE:
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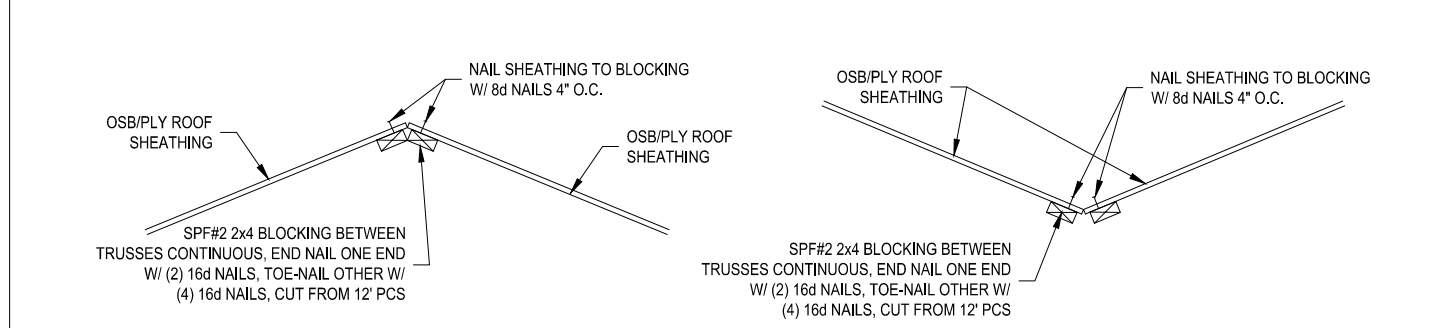
SHEET:
C1.1



1 - 2' O.C. ROOF TRUSSES ROOF SHEATHING CONNECTION



2 - GABLE END SHEATHING FASTENING



3 - PLYWOOD DECK ROOF HIP & VALLEY BLOCKING DETAILS

GUN NAIL SUBSTITUTION	
HAND DRIVE	GUN NAIL
8d NAIL	.113"X2 1/2" HDG R.S.
8d GALVANIZED NAIL	.113"X2 1/2" HDG R.S.
10d NAIL	.131"X3" HDG R.S.
10d GALVANIZED NAIL	.131"X3" HDG R.S.
16d NAIL	.131"X3 1/2" R.S. BRITE
16d R.S.	.131"X3 1/2" R.S. BRITE
16d GALVANIZED	.131"X3 1/2" HDG R.S.

ROOF TRUSS FASTENING SCHEDULE		
COMPONENTS	TYPE OF FASTENER	FREQUENCY
TRUSS TO TOP PLATE	ITW HT10A TECO NAILS	FILL ALL HOLES
FASCIA TO TRUSS	16d R.S.	(3) PER CONNECTION
TRUSS HEEL SHEATHING	8d NAILS	4" O.C. TO ALL MEMBERS
ROOF SHEATHING	8d NAILS	6" O.C. EDGES 12" O.C. CENTERS
GABLE END SHEATHING	8d NAILS	4" O.C
BOTTOM CHORD BRACING LATERAL BRACING DIAGONAL BRACING	16d CC SINKER	(2) PER CONNECTION
X-BRACING	ITW L2328 TECO NAILS	(4) PER X-BRACE
OUTLOOKER	ITW HT1 (3) 16d	ALL OUTLOOKERS

4 - FASTENING SCHEDULE