## DESIGN LOADS

CODE BODY: IBC 2006 Pg: 25 PSF ls: 0.8 G: 1.0

Cs: .87 Ct: 1.1

Ps: 30 PSF (REQUESTED)

ROOF DEAD LOAD: 5 PSF CEILING LIVE LOAD: 0 PSF CEILING DEAD LOAD: 5 PSF WIND LOAD: 90 MPH

> EXPOSURE: B lw: 0.87

BUILDING COLORS

ROOF METAL	CHARCOAL	WAINSCOT CORNER	CHARCOAL
GABLES	ASH GRAY	WAINSCOT CAP	ASH GRAY
SIDES	ASH GRAY	CORNER	CHARCOAL
WAINSCOT	CHARCOAL	EAVE/FASCIA	CHARCOAL
SOFFIT	CHARCOAL	GABLE/RAKE	CHARCOAL
RIDGE CAP	CHARCOAL	DOOR TRIM	CHARCOAL

1. SITEWORK: THE SITE SHALL BE GRADED TO PROVIDE DRAINAGE AWAY FROM THE BUILDING.

- 2. 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.
- 3. TRUSSES: WOOD TRUSSES ARE SHOP/PLANT FABRICATED WITH CONNECTOR PLATES PER SPECIFICATIONS. DESIGN CRITERIA ESTABLISHED BY THE TRUSS PLATE INSTITUTE - (ANSI/TPI 1-2002). REFER TO THE BCSI(BUILDING COMPONENT SAFETY INFORMATION) MANUAL FOR WOOD TRUSS TEMPORARY BRACING REQUIREMENTS.
- 4. METAL CONNECTORS: ALL METAL CONNECTORS ARE OF GALVANIZED STEEL AND DESIGN APPROVED TO MEET OR EXCEED REQUIRED STANDARDS.
- 5. ROOFING AND SIDING MATERIAL: THE METAL ROOF AND WALLS SHALL BE EPS FULL FORMED PANEL. THE RIBBED DESIGN HAS  $\frac{3}{4}$ " HIGH PRIMARY RIBS 9" O.C. FOR BEAM STRENGTH AND 2 INTERMEDIATE LOW RIBS 3" O.C. FOR ADDITIONAL STIFFENING. THE EPS ROLL FORM PANEL IS MANUFACTURED TO ASTM SPECS. W/ AN 80,000 PSI MIN. YIELD POINT AND AN 82,000 PSI MINIMUM TENSILE STRENGTH. A FOUR-LAYER COLOR-CLAD PROCESS INCLUDES G-60 GALVANIZED ZINC COATING, BONDERIZED COATING, BAKED ON PRIMER COATING, AND A SILICONIZED POLYESTER(WHITE IS POLYESTER ONLY) BAKED-ON PAINT FINISH.
- 6. FASTENERS: ALL ROOF AND WALL METAL SHEATHING SHALL BE FASTENED TO THE BUILDING STRUCTURE W/ TRUE-GRIP SCREWS W/MILL POINT AND HEX HEAD. THE SCREWS SHALL HAVE A EPDM RUBBER WASHER TO ENSURE WEATHER TIGHTNESS.
- 7. SHORING AND BRACING: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL | RESPONSIBILITY TO WARN OTHER TRADES. TEMPORARY SHORING AND BRACING.



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

\* THIS SET OF PLANS ARE INTENDED TO BE USED BY CONTRACTORS WITH BUILDING CONSTRUCTION KNOWLEDGE.

\* 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.

\* 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.

\* 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 SIZE OR LOCATION OF OPENINGS.

\* 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.

\* EPS WALL PANELS ARE NOT DESIGNED FOR LATERAL LOADS IMPOSED BY CONCRETE FOUNDATION WALLS. CONCRETE WALLS TO E DESIGNED TO ABSORB ALL LOADS IMPOSED BY EPS STRUCTURE 100% OF MATERIAL/BACKFILL/ETC (IF ANY) STORED AGAINST THEM. CONCRETE WALL TO IMPOSE NO HORIZONTAL LOAD TO EPS STRUCTURE.

\* 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. STEEL PANELS ARE AN INTEGRAL PART OF THE BUILDING STRUCTURE AND ANY FUTURE FIELD MODIFICATIONS MADE MAY BE DETRIMENTAL TO THE BUILDING'S STRUCTURAL PERFORMANCE.

\* 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.

\* 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.

\* THE CEILING SYSTEM PROVIDED HAS NOT BEEN DESIGNED FOR HUMAN TRAFFIC. CONTRACTORS — IT IS YOUR

\* 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

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.

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 & SEEL" OR ICE & WATER, BE SURE TO APPLY PRESSURE THROUGH OUT MATERIAL TO ENSURE 100% CONTACT.

## GENERAL INFORMATION

DRAWING INDEX

ELEVATIONS/STEEL LAYOUTS

TRUSS/BRACING LAYOUT

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

TRUSS INSTALLATION

TRUSS INSTALLATION

TRUSS INSTALLATION

A.J. DOOR INSTALLATION

COVER PAGE

CROSS SECTION

TRIM DETAILS

PLANVIEW

DEALER:

SHEET

S2

MI-WAY ENTERPRISES 1711 322ND STREET ELMWOOD, NE 68349 PHONE: (402) 432-9416 FAX: (402) 994-6855

OWNER:

DALE HARLAN 7005 WAGON TRAIN RD HICKMAN, NE 68372

BUILDING TYPE:

SOLID CORE

BUILDING USAGE:

STORAGE

BUILDING DIMENSIONS:

60'-0"×72'-0"×17'-11"

REV:

AREA:

4,320 SQ. FT.

DRAWN:

REVIEWED BY:

NMS

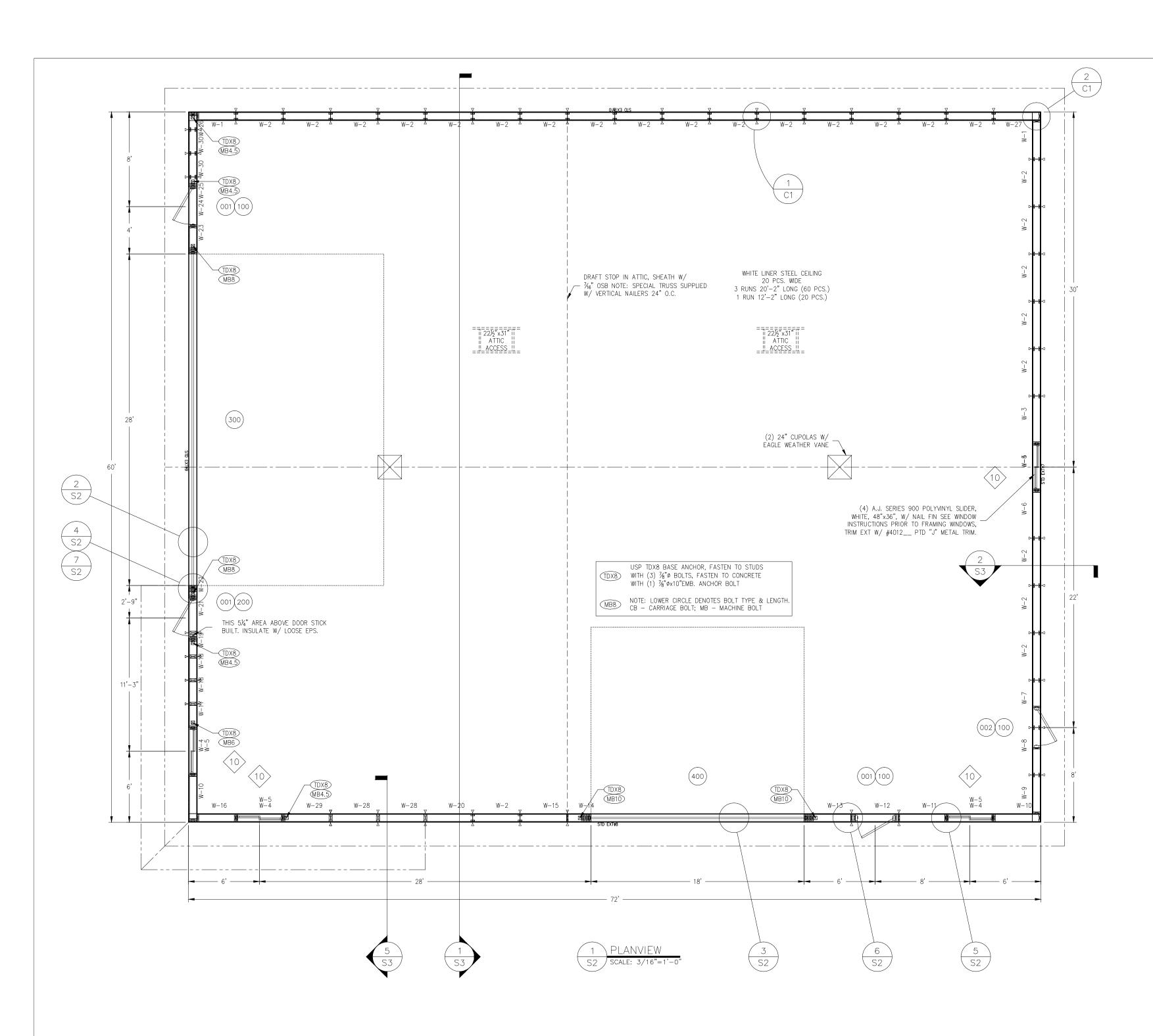
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DATE:

10/7/2011

JOB #:

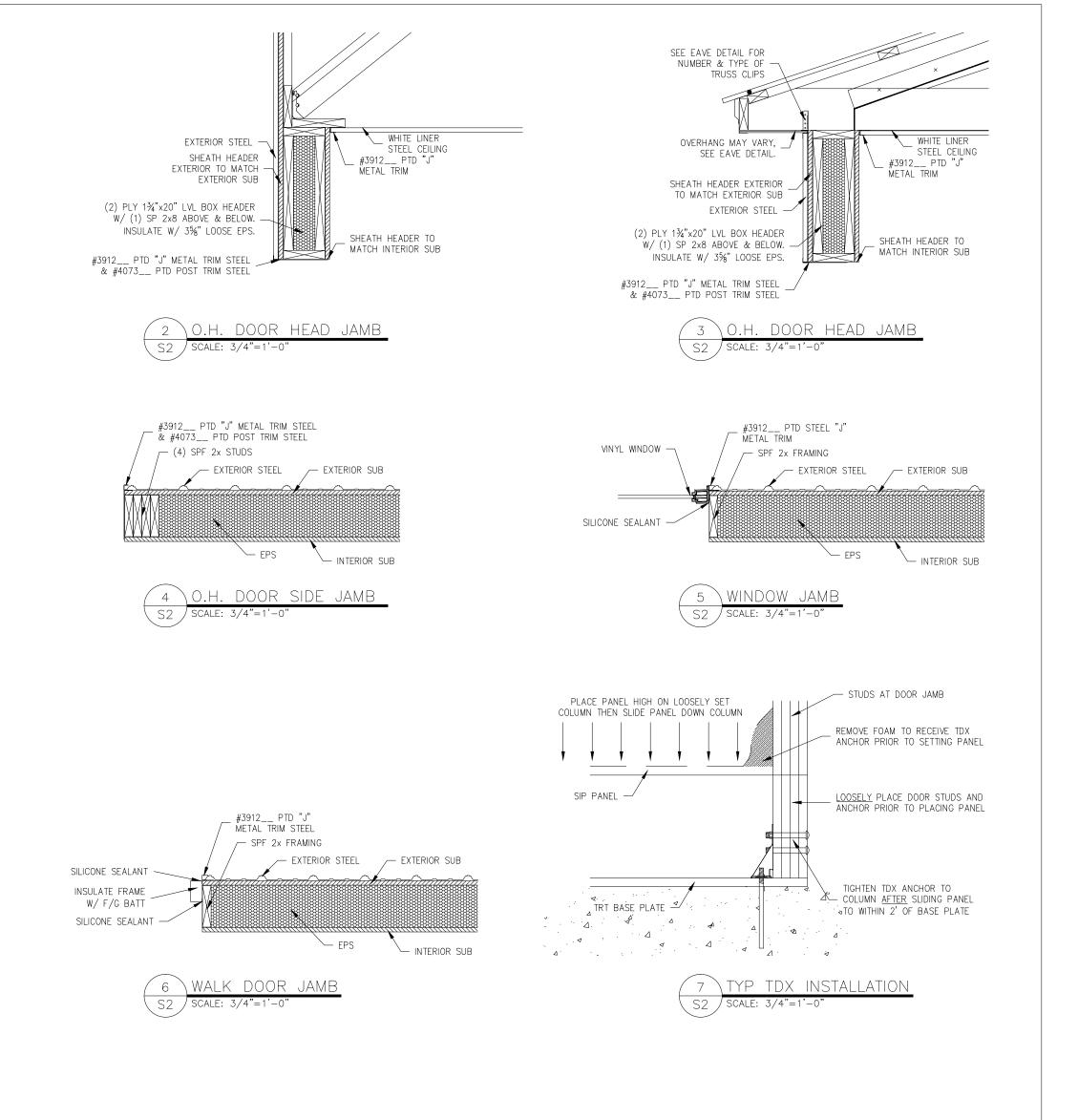
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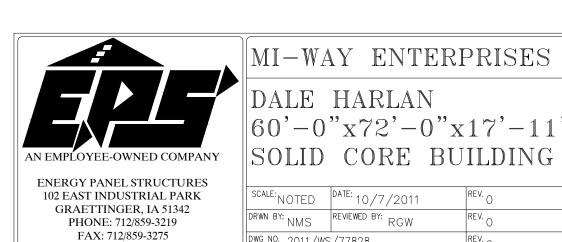


Remarks Number Quantity Rough Width Rough Height Head Height Header Bearing Studs (Each Side) Tull Study (Each Side) Header Tull Study (Each Side) Header Header Tull Study (Each Side)		WINDOW SCHEDULE											
10 4 4'-0" 3'-0" 6'-9 1/8" NONE. FRAME W/ SPF 2x MATERIAL	Remarks	Number	Quantity	Rough Width	Rough Height	Head Height	Header	Bearing Studs (Each Side)	Full Studs (Each Side)				
		10	4	4'-0"	3'-0"	6'-9 1/8"	NONE. FRAME W/ SPF 2x MATERIAL.						

DOOR OPENING/HEADER SCHEDULE									
Number	Quantity	Rough Width	Rough Height	Head Height	Header	Bearing Studs (Each Side)	Full Studs (Each Side)		
100	3	3'-4 3/8"	6'-9 1/8"	6'-9 1/8"	NONE. FRAME W/ SPF 2x MATERIAL.				
200	1	3'-4 3/8"	6'-9 1/8"	6'-9 1/8"	2 PLY BOISE 3100Fb 1 3/4"x9 1/2" LVL BOX HEADER W/ (1) SPF 2x8 ABOVE & BELOW, INSULATE BETWEEN PLYS W/ LOOSE 3 5/8" EPS	1	1		
300	1	28'-0"	16'-0"	16'-0"	2 PLY BOISE 3100Fb 1 3/4"x20" LVL BOX HEADER W/ (1) SPF 2x8 ABOVE & BELOW, INSULATE BETWEEN PLYS W/ LOOSE 3 5/8" EPS	2	2		
400	1	18'-0"	16'-0"	16'-0"	2 PLY BOISE 3100Fb 1 3/4"x20" LVL BOX HEADER W/ (1) SPF 2x8 ABOVE & BELOW, INSULATE BETWEEN PLYS W/ LOOSE 3 5/8" EPS	2	2		

#77828 MI-WAY ENTERPRISES (DALE HARLAN - DOOR SCHEDULE)																		
Door Number	Туре	Back Trim	Lite	Quantity	QTY/SHIP	QTY/SHIP	RO Width	Swing	Width	Height	RO Height	Hinge	Latch	QTY/SHIP	QTY/SHIP	Deadbolt	QTY/SHIP	QTY/SHIP
001	549988 A.J./7100/9LITE W/ CROSS BUCK 30, BOR-KNOB, WHITE, 71004			3			3'-4 3/8"		3'-0"	6'-8"	6'-9 1/8"		001761 LOCKSET HK 4040 SS 6WL RCS KA3 KEYED, HERITAGE SATIN STAINLESS					
002	550506 A.J./7100/STD 30, BOR-KNOB, WHITE, 71001			1			3'-4 3/8"		3'-0"	6'-8"	6'-9 1/8"		001761 LOCKSET HK 4040 SS 6WL RCS KA3 KEYED, HERITAGE SATIN STAINLESS					

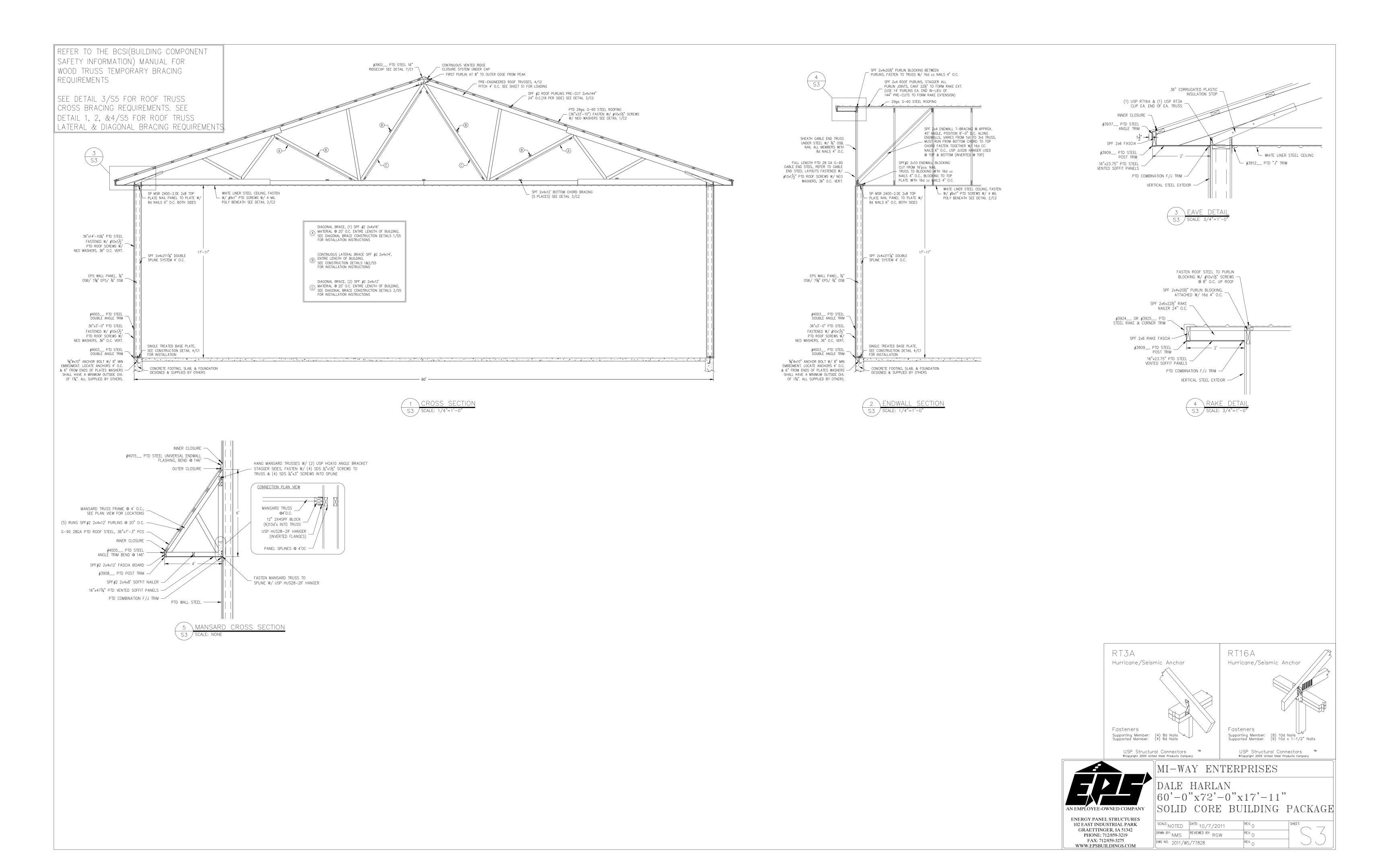


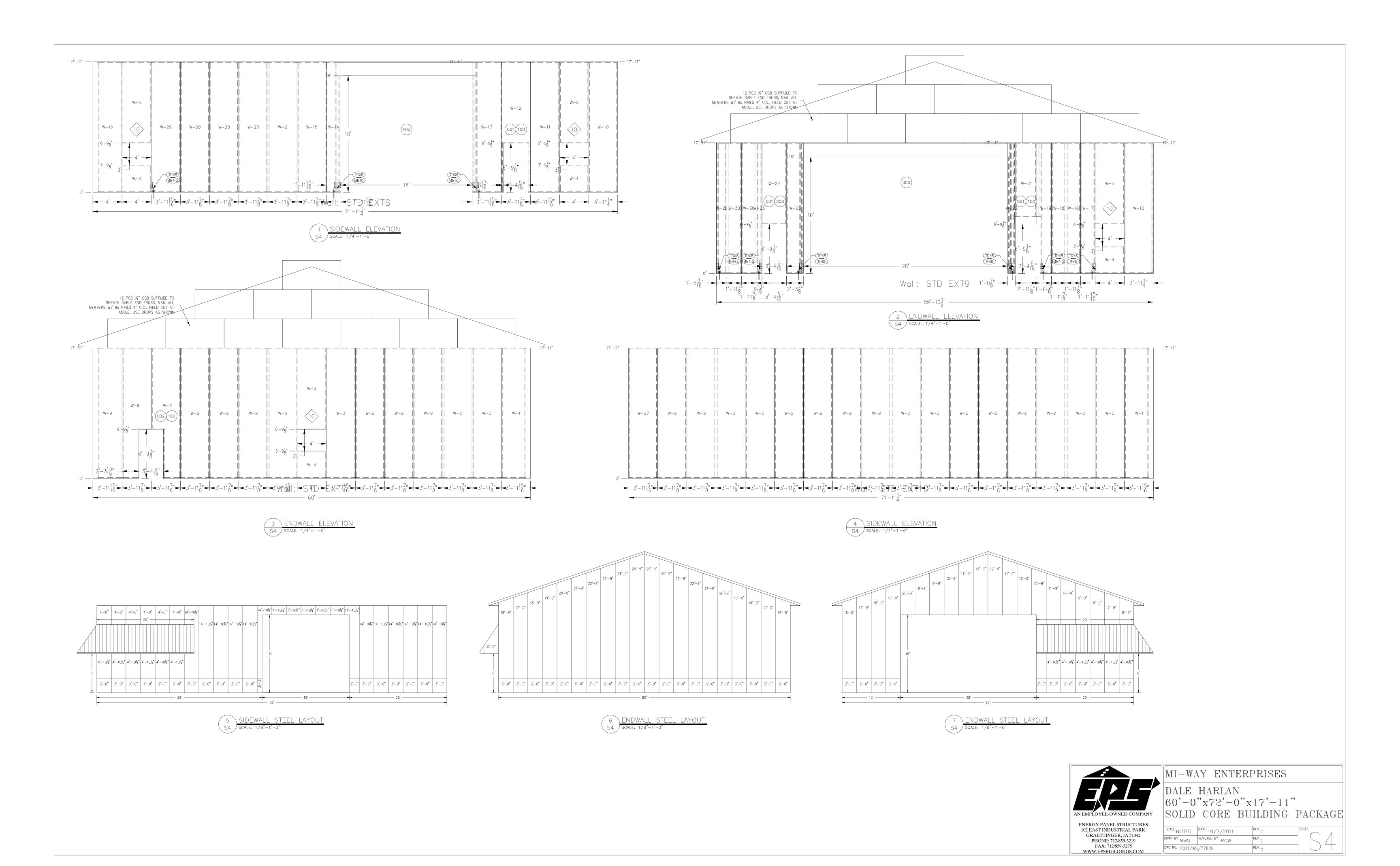


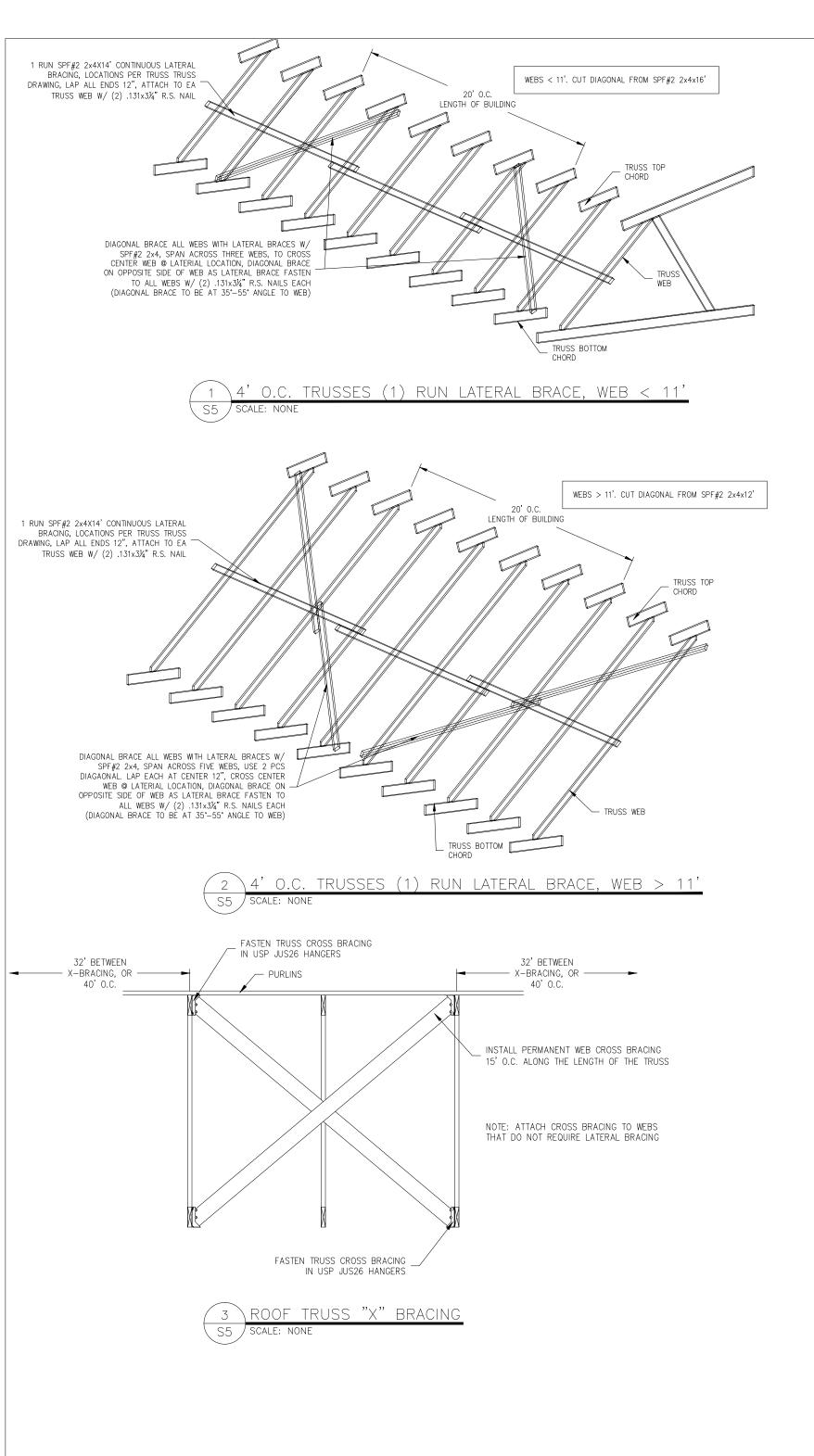
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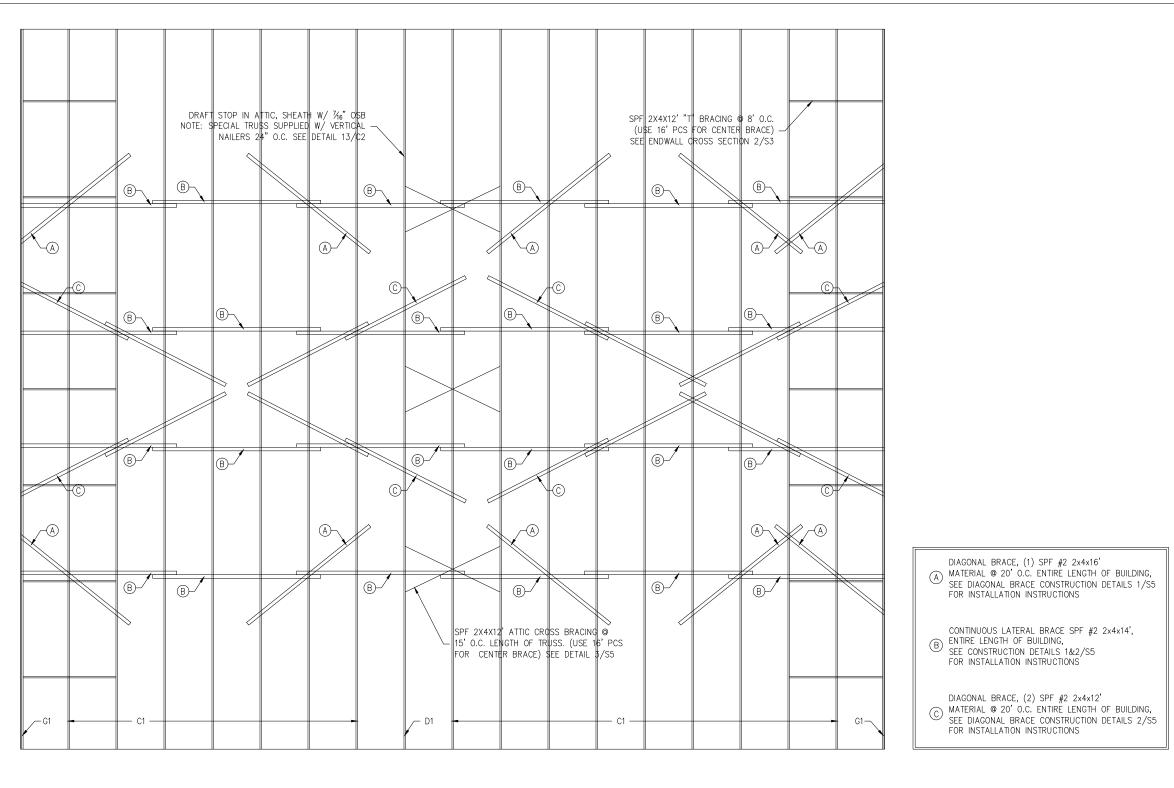
SOLID CORE BUILDING PACKAGE

SCALE:	DATE:	REV.
	<sup>DATE:</sup> 10/7/2011	0
DRWN BY: NMS	REVIEWED BY: RGW	REV. O
DWG NO. 2011/WS	/77828	REV. O

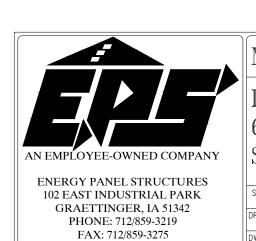




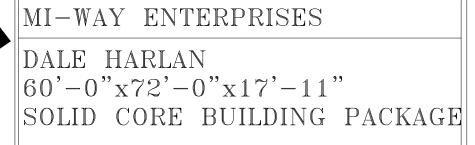




4 ROOF TRUSS LAYOUT S5 SCALE: 1/4"=1'-0"



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JUS26

Ref.# LUS26

U.S. PAT. #5,217,317

Fasteners

Slant Nail Joist Hanger

Supporting Member: (4) 8d x 1-1/2" Nails Supported Member: (4) 10d Nails

USP Lumber Connectors ™ ©Copyright 1998 United Steel Products Company

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WN BY: NMS	REVIEWED BY: RGW	REV. O	
<sup>G NO.</sup> 2011/WS	777828	REV. O	

