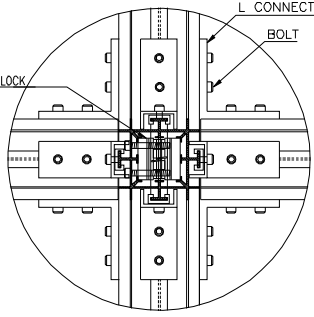
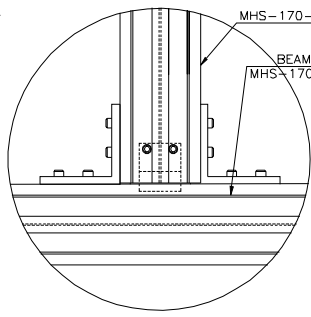


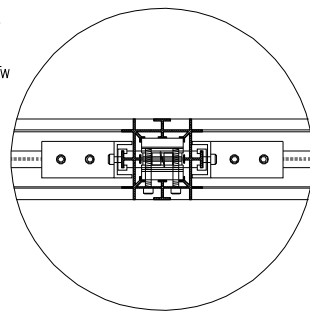
191 CONNECTION 2 BEAMS TO POST



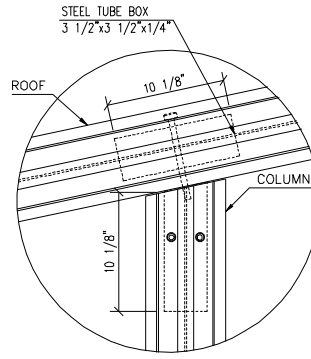
192 CONNECTION 3 BEAMS TO POST



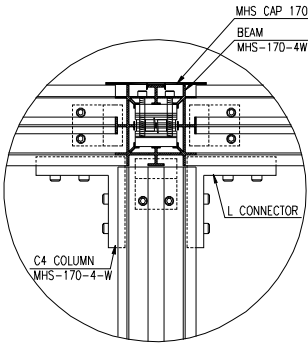
193 CONNECTION POST TO FLOOR BEAM



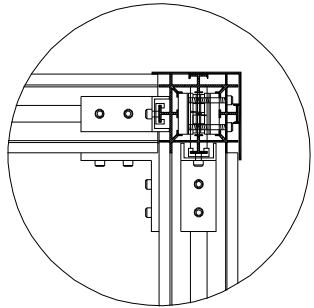
194 CONNECTION BEAM TO BEAM



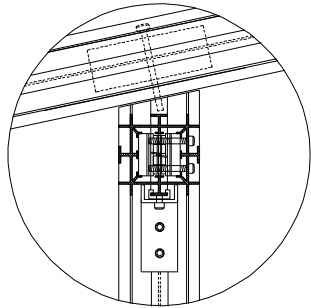
195 CONNECTION POST TO ROOF BEAM



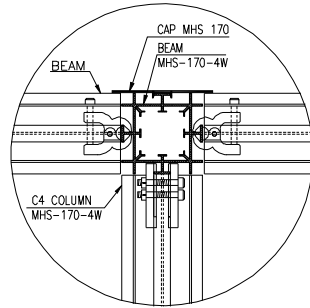
196 CONNECTION - ROOF



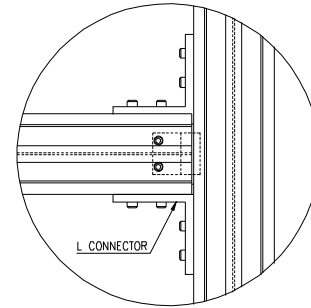
197 CONNECTION 2 BEAMS AT CORNER



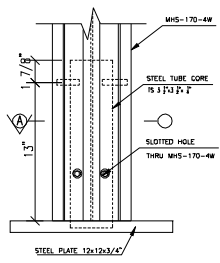
198 CONNECTION ROOF BEAM TO POST



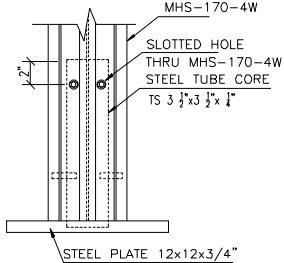
199 CONNECTION TYPE G



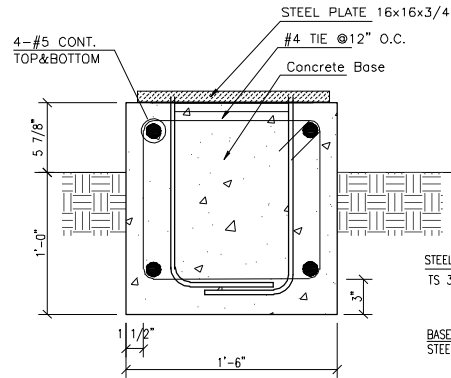
200 CONNECTION BEAM TO POST



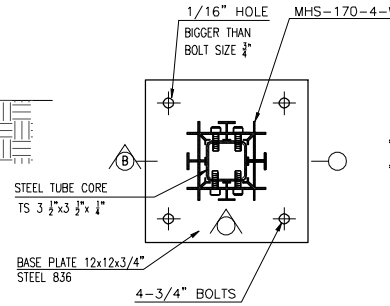
201 TYP VIEW OF COLUMN-PLATE



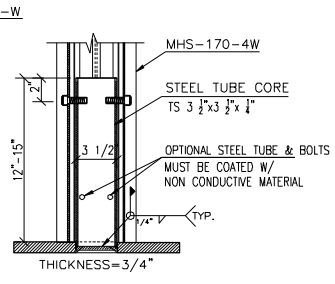
202 TYP VIEW OF COLUMN-PLATE



203 CONCRETE BASE



204 SECTION - A COLUMN TO PLATE



205 SECTION - B COLUMN TO PLATE

NOTES

- 1- ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH.
- 2- THE TYPE OF ALUMINUM MATERIAL IS 6061-T6
- 3- For assemblies please refer to MHS manual

REFERENCE DRAWINGS	
DESCRIPTION	PROJECT NO.

System Design By: Tim Sichterger, Inventor
 Structural Manufacturing By: MHS Aluminum Framing US SYSTEMS LLC (USSYSTEMS.US)

REFERENCES

PROJECT ADDRESS

LEGEND

NO	ISSUED FOR REVIEW & COMMENTS	BY	DATE
REV.	DESCRIPTION	BY	DATE

MHS
 STRUCTURAL ALUMINUM FRAMING
 P.O. BOX 31478 IRVINE CA 92619 USA
 www.mhsaluminumframing.com

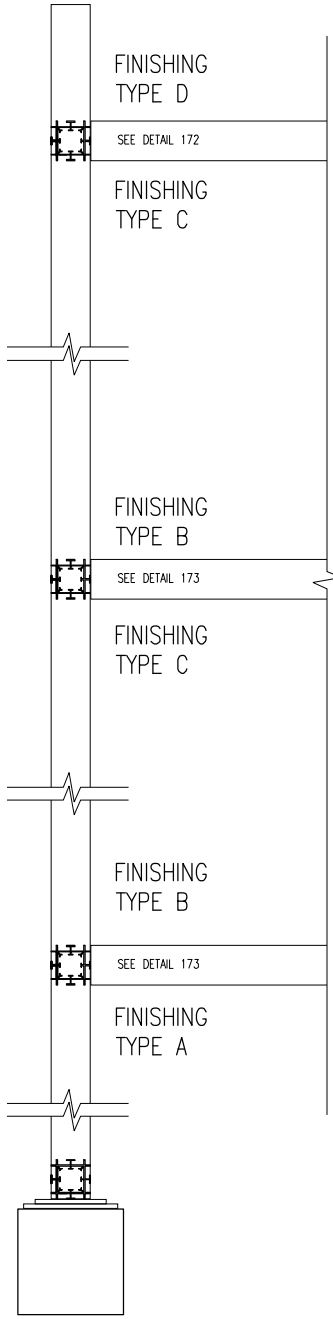
MHS PREFAB

TYPICAL MHS DETAILS

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SCALE	DRAWING BY	CHECKED BY	PROJ. ENGR.
1" = 1'-0"	RAJAHM	T. SIKHTOR	T. SIKHTOR
DATE	FABRICATION		
11/29/08			
PROJECT NO.			SHEET REV.
			A-09 00

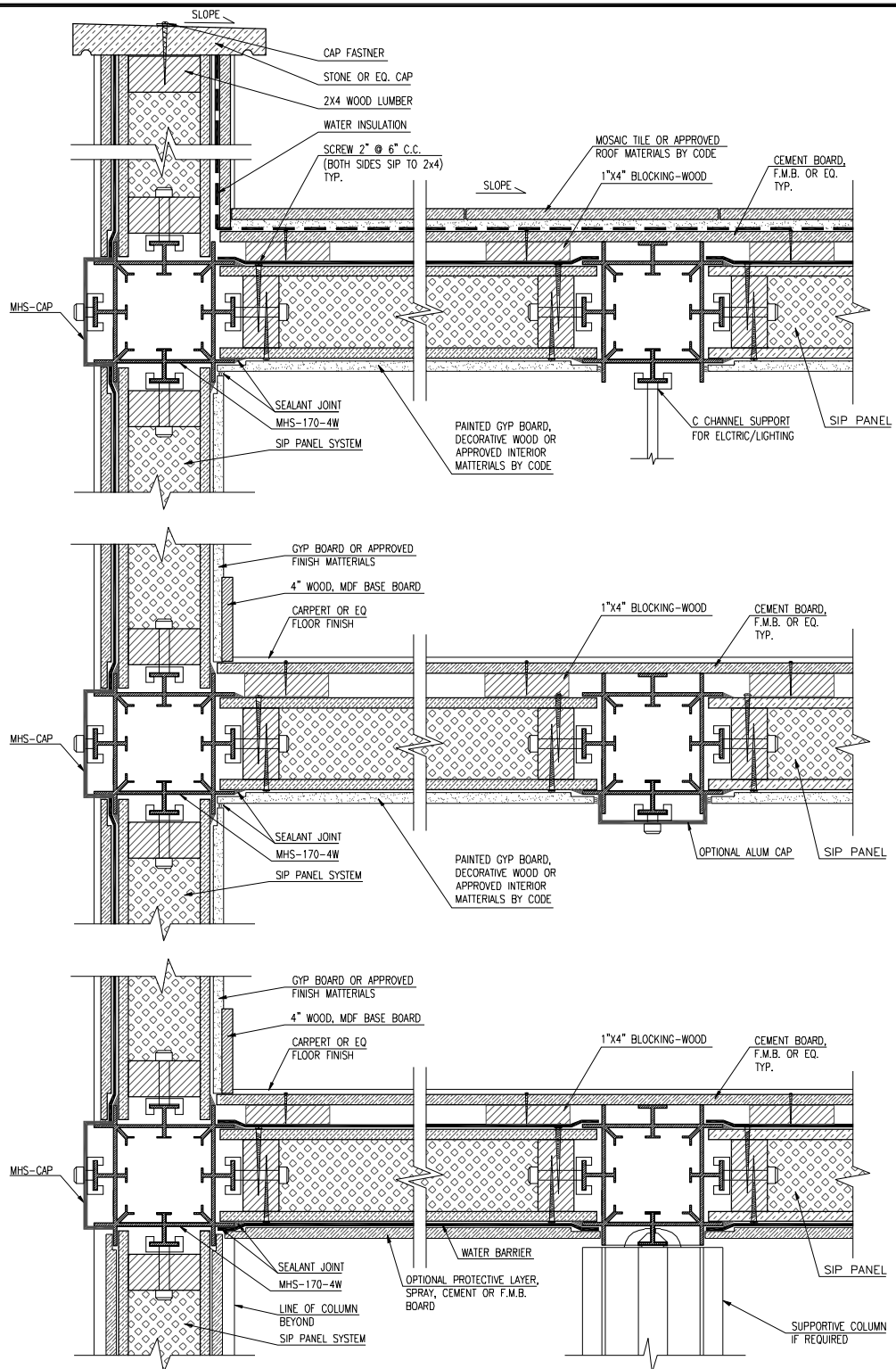
ACTUAL SHEET SIZE 22"x17"



172 ROOF ASSEMBLY SECTION
SC. 3" = 1"

173 TYPICAL FLOOR ASSEMBLY SECTION
SC. 3" = 1"

174 LOWER FLOOR ASSEMBLY SECTION
SC. 3" = 1"



NOTES

- 1- STRUCTURAL INSULATED PANELS (SIP) SHOULD COMPLY WITH ICC EVALUATION REPORT, ESR1006, OR NEMKO3 SIMILAR APPROVED PANELS BY ICC OR AN MHS SIBER WALL IS PREFERRED.
- 2- ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH.
- 3- THE TYPE OF ALUMINUM MATERIAL IS 6061-T6.
- 4- FOR MHS SHEAR WALLS & ENDFRAMES, THE CONNECTION OF SIP TO FRAME IS PROVIDED BY 2X4 FOR OTHER INTERIOR OR EXTERIOR WALLS PROVIDING 2X4 IS OPTIONAL.
5. ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH
6. FOR ASSEMBLES REFER TO MHS MANUAL

REFERENCE DRAWINGS	
DESCRIPTION	PROJECT NO.

System Design By: Tim Sobotgar, Inventor
Structural Manufacturing By: MHS Aluminum Framing US SYSTEMS LLC (USSYSTEMSUS)

REFERENCES

PROJECT ADDRESS

LEGEND

MHS : MODULAR HOUSING SYSTEM
T.O.B. : TOP OF THE BEAM
F.F.L. : FINISH FLOOR LEVEL
O.S.B. : ORIENTED STRATRAND BOARD

NO.	ISSUED FOR REVIEW & COMMENTS	BY	DATE

DD ISSUED FOR REVIEW & COMMENTS
REV. DESCRIPTION BY DATE

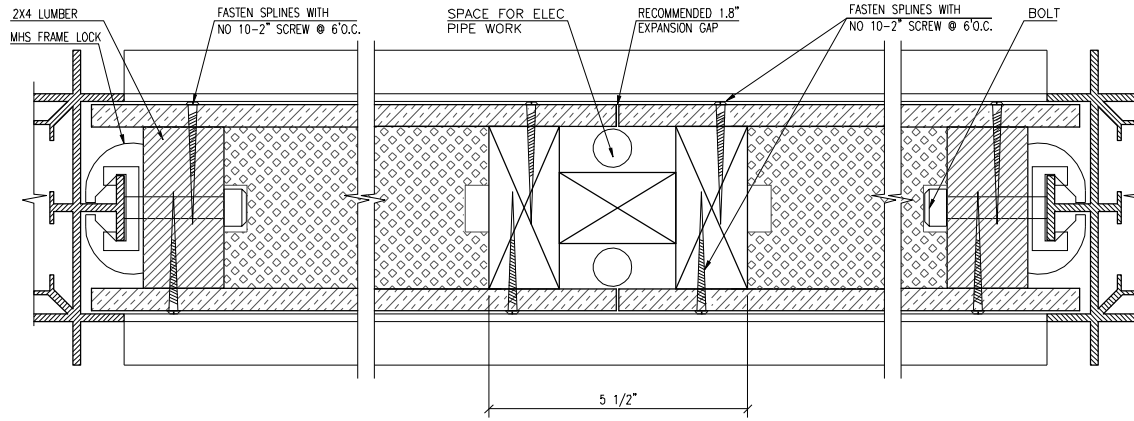
M.H.S. STRUCTURAL ALUMINUM FRAMING
P.O. BOX 31478 IRVINE CA 92619 USA
www.modularhousingystem.com

MHS PREFAB ROOF PANEL SECTIONS

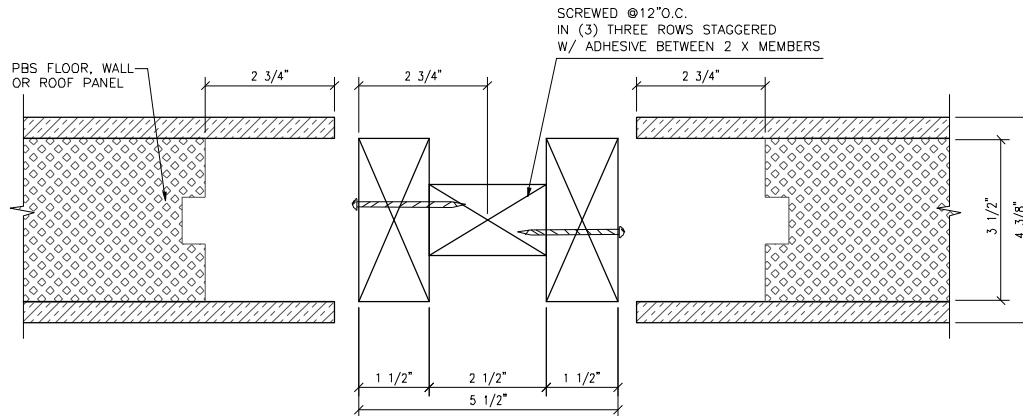
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SCALE	DRAWING BY	CHECKED BY	PROJ. ENGR.
AS SHOWN	RAJANI	T. SIBOTGAR	T. SIBOTGAR
DATE	FABRICATION		
11/29/08			
PROJECT NO.		SHEET	REV.
		A-07	00

ACTUAL SHEET SIZE 22"x17"



161 MHS SHEAR WALL SECTION WITH ONE, TWO OR THREE PANELS



162 JOINT DETAILS FOR SIP PANELS

NOTES

- 1- STRUCTURAL INSULATED PANELS (SIP) SHOULD COMPLY WITH ICC EVALUATION REPORT, ESR1006, OR NEHA33 SIMILAR APPROVED PANELS BY ICC CAN MHS SHEAR WALL IS PREFERRED.
- 2- ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH.
- 3- THE TYPE OF ALUMINUM MATERIAL IS 6061-T6.
- 4- FOR MHS SHEAR WALLS & SHEARFRAMES, THE CONNECTION OF SP TO FRAME IS PROVIDED BY 214 IS OPTIONAL EXTERIOR WALLS PROVIDING 214 IS OPTIONAL.
5. ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH.
6. FOR ASSEMBLES REFER TO MHS MANUAL.

REFERENCE DRAWINGS

DESCRIPTION	PROJECT NO.

System Design By: Tim Siskotger, Inventor
 Structural Manufacturing By: MHS Aluminum Framing US SYSTEMS LLC (USSYSTEMSUS)

REFERENCES

PROJECT ADDRESS

LEGEND

MHS : MODULAR HOUSING SYSTEM
 T.O.B. : TOP OF THE BEAM
 F.F.L. : FINISH FLOOR LEVEL
 O.S.B. : ORIENTED SATRAND BOARD

NO	ISSUED FOR REVIEW & COMMENTS	BY	DATE
REV.	DESCRIPTION		



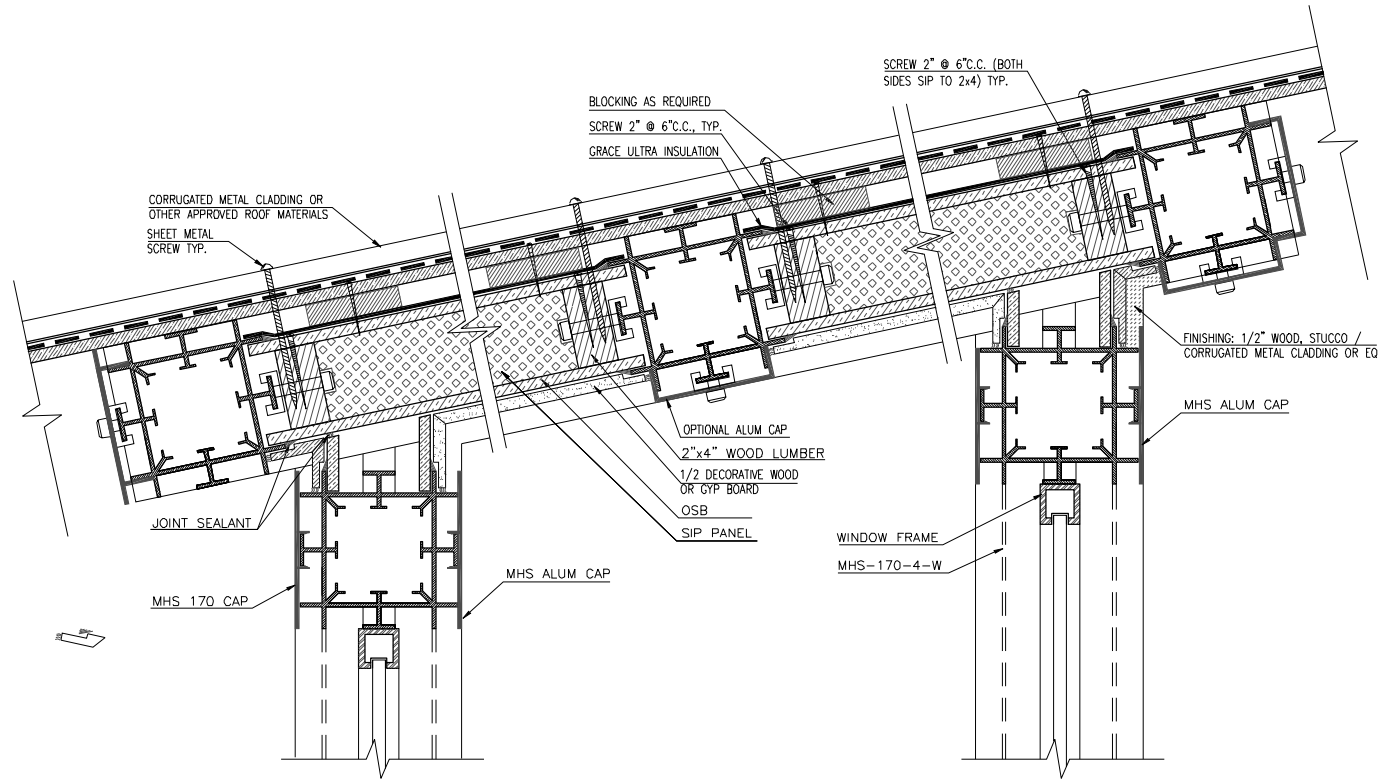
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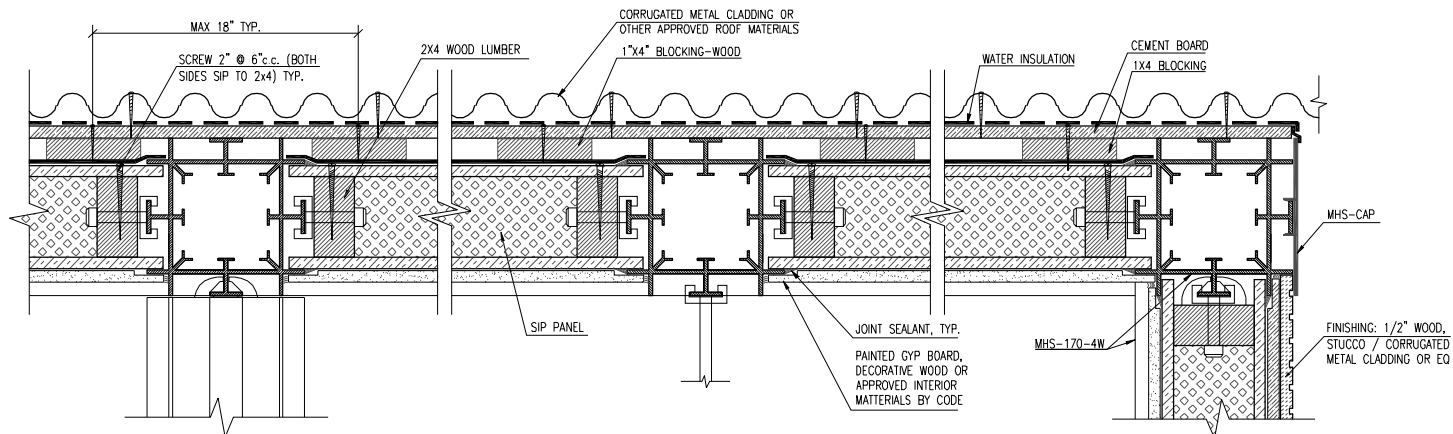
SIP PANEL JOINTS

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SCALE	DRAWING BY	CHECKED BY	PROJ. ENGR.
6" = 1'	RAJANI		T. SIMATGOR
DATE	FABRINER		
11/29/08			
PROJECT NO.		SHEET	REV.
		A-06	00



181 ROOF ASSEMBLY SECTION
OPTION 2



182 ROOF ASSEMBLY SECTION
OPTION 2

NOTES

- 1- STRUCTURAL INSULATED PANELS (SIP) SHOULD COMPLY WITH ICC EVALUATION REPORT, ESR1006, OR NEMKO3 SHALAP APPROVED PANELS BY ICC CAN. MHS SHEAR WALL IS PREFERRED.
- 2- ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH.
- 3- THE TYPE OF ALUMINUM MATERIAL IS 6061-T6.
- 4- FOR MHS SHEAR WALLS & DIAPHRAGMS, THE CONNECTION OF SIP TO FRAME IS PROVIDED BY 2X4 FOR OTHER INTERIOR OR EXTERIOR WALLS PROVIDING 2X4 IS OPTIONAL.
- 5- ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH.
- 6- FOR ASSEMBLES REFER TO MHS MANUAL.

REFERENCE DRAWINGS

DESCRIPTION	PROJECT NO.

System Design By: Tim Siskotger, Inventor
 Structural By: MHS Aluminum Framing
 Manufacturing By: US SYSTEMS LLC (USSYSTEMS.US)


REFERENCES

PROJECT ADDRESS

LEGEND

MHS : MODULAR HOUSING SYSTEM
 T.O.B. : TOP OF THE BEAM
 F.F.L. : FINISH FLOOR LEVEL
 O.S.B. : ORIENTED STRANDED BOARD

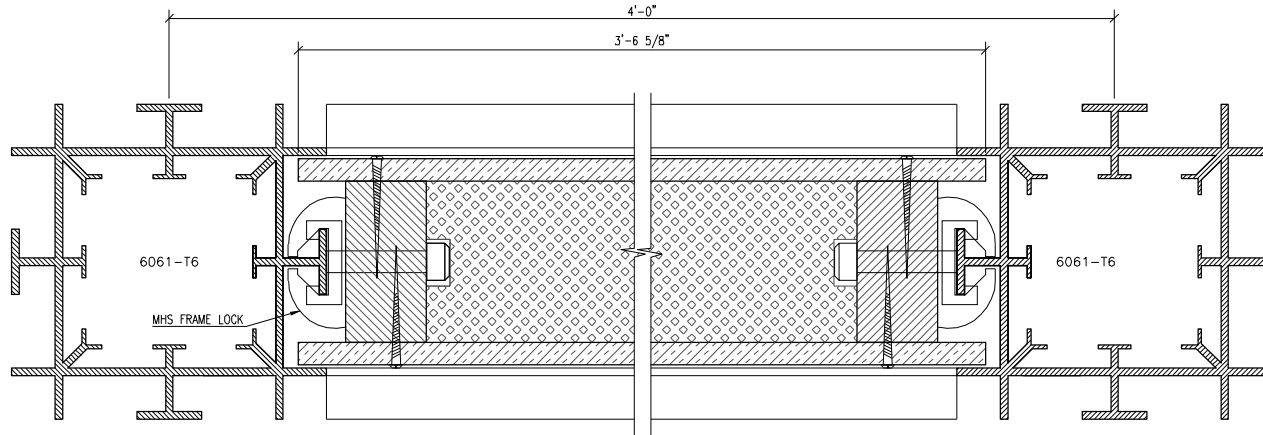
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 P.O. BOX 51478 IRVINE CA 92619 USA
 www.modularhousingssystem.com

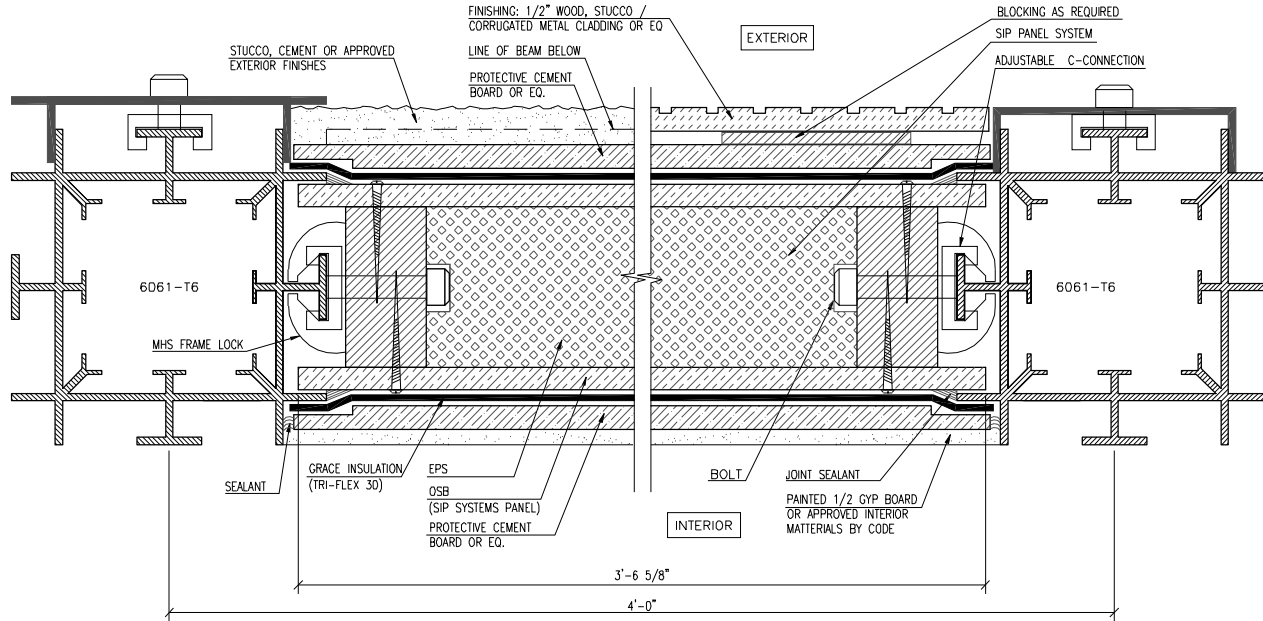
MHS PREFAB
ROOF PANEL SECTION

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SCALE	DRAWING BY	CHECKED BY	PROJ. ENGR.
3/4" = 1"	RAJANI	T. SISKOTGER	T. SISKOTGER
DATE	FABRICATION		
11/29/08			
PROJECT NO.		SHEET	REV.
		A-08	00



151 SIP PANEL WITHIN 4'-0"
MHS SHEAR WALL FRAMING



152 MHS SHEAR WALL SECTION
WITH FINISHING

NOTES

- 1- STRUCTURAL INSULATED PANELS (SIP) SHOULD COMPLY WITH ICC EVALUATION REPORT, ESR1006, OR NER633 SIMILAR APPROVED PANELS BY ICC CAN MHS SHEAR WALL IS PREFERRED.
- 2- ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH.
- 3- THE TYPE OF ALUMINUM MATERIAL IS 6061-T6.
- 4- FOR MHS SHEAR WALLS & OVERHEADS, THE CONNECTION OF SIP TO FRAME IS PROVIDED BY 214 FOR OTHER INTERIOR OR EXTERIOR WALLS PROVIDING 214 IS OPTIONAL.
5. ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH.
6. FOR ASSEMBLIES REFER TO MHS MANUAL.

REFERENCE DRAWINGS

DESCRIPTION	PROJECT NO.

System Design By: Tim Siskotger, Inventor
 Structural By: MHS Aluminum Framing
 Manufacturing By: US SYSTEMS LLC (USSYSTEMSUS)

REFERENCES

PROJECT ADDRESS

LEGEND

MHS : MODULAR HOUSING SYSTEM
 T.O.B. : TOP OF THE BEAM
 F.F.L. : FINISH FLOOR LEVEL
 O.S.B. : ORIENTED STRAND BOARD

NO.	ISSUED FOR REVIEW & COMMENTS	DATE

REV.	DESCRIPTION	BY	DATE

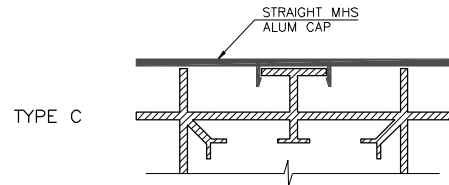
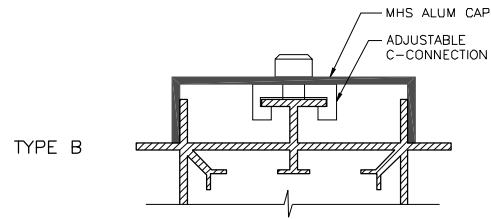
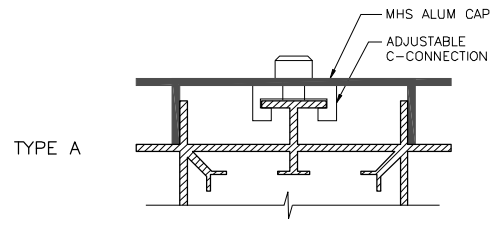


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 www.modularhousingssystem.com

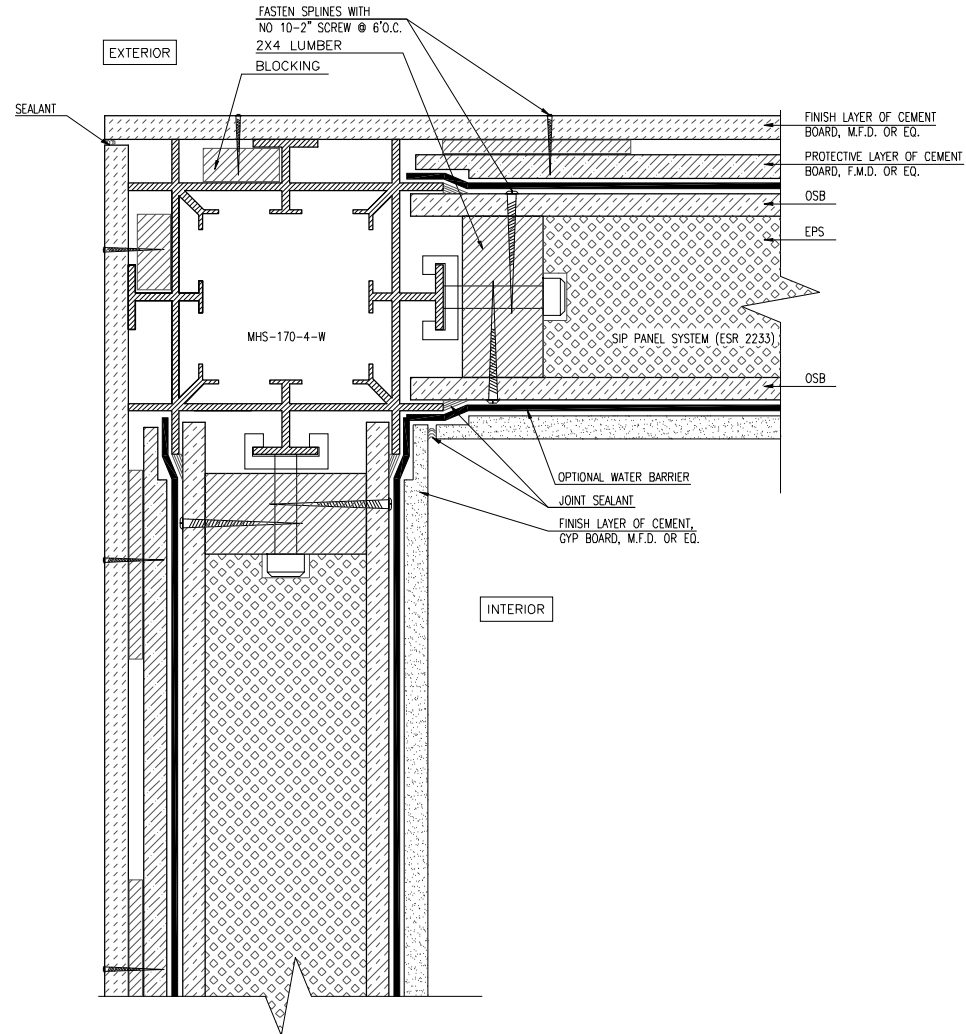
MHS PREFAB
SHEAR WALL SECTIONS

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SCALE	DRAWING BY	CHECKED BY	PROJ. ENGR.
6" = 1'	RAJANI	T. SISKOTGER	
DATE	FABRICATION		
11/29/08			
PROJECT NO.		SHEET	REV.
		A-05	00



131 MHS CAPS 170



132 MHS 1 HR FIRE-RATED FRAME COVER

NOTES

- 1- STRUCTURAL INSULATED PANELS (SIP) SHOULD COMPLY WITH ICC EVALUATION REPORT, ESR1006, OR NEARLY SIMILAR APPROVED PANELS BY ICC CAN MHS SHEAR WALL IS PREFERRED.
- 2- ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH.
- 3- THE TYPE OF ALUMINUM MATERIAL IS 8061-T6.
- 4- FOR MHS SHEAR WALLS & DIAPHRAGMS, THE CONNECTION OF SIP TO FRAME IS PROVIDED BY 204 FOR OTHER INTERIOR OR EXTERIOR WALLS PROVIDING 2X4 IS OPTIONAL.

REFERENCE DRAWINGS	
DESCRIPTION	PROJECT NO.

System Design By: Tim Sihnolger, Inventor
Structural Manufacturing By: MHS Aluminum Framing US SYSTEMS LLC (USSYSTEMS)

REFERENCES

PROJECT ADDRESS

LEGEND

MHS : MODULAR HOUSING SYSTEM
T.O.B. : TOP OF THE BEAM
F.F.L. : FINISH FLOOR LEVEL

00	ISSUED FOR REVIEW & COMMENTS	BY	DATE
REV.	DESCRIPTION		

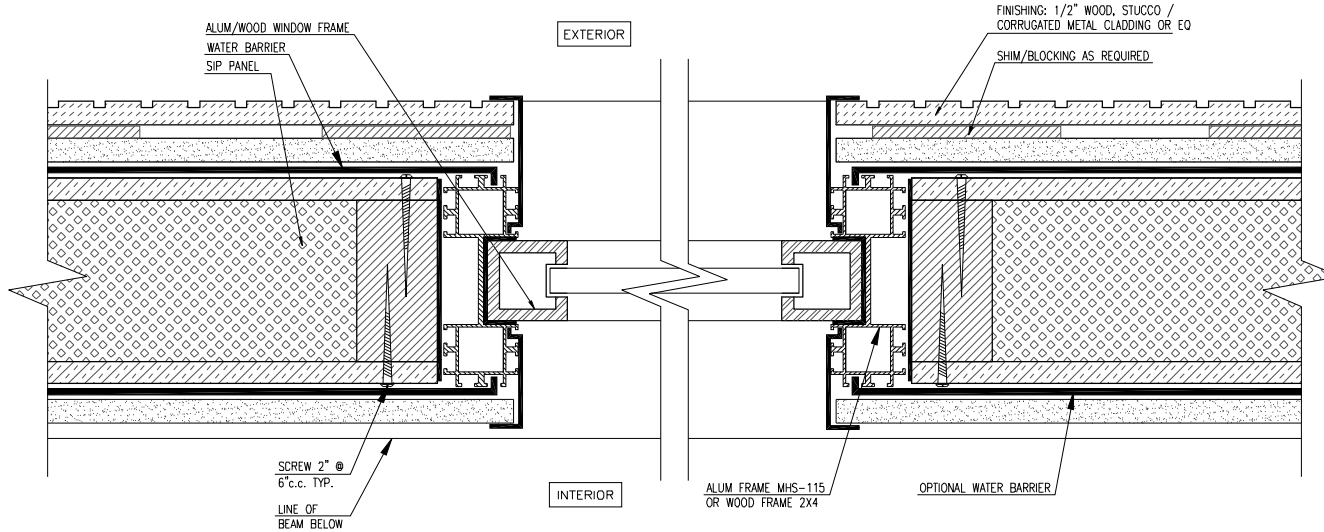
MHS
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P.O. BOX 31478 IRVINE, CA 92619 USA
www.modularhousingmhs.com

MHS PREFAB

FIRE RATED COLUMNS-BEAMS

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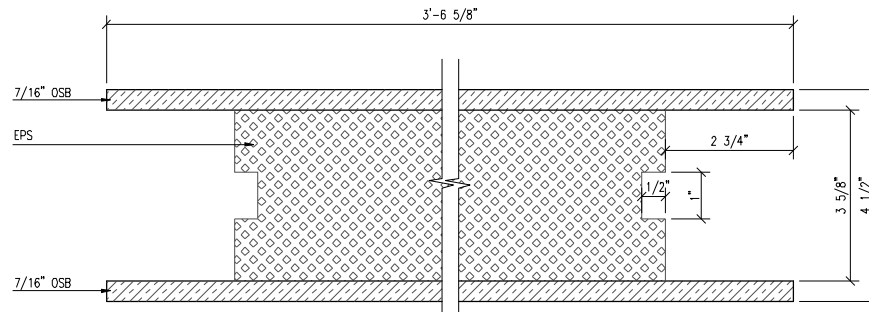
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6" = 1'	RAJANI	T. Sihnolger	T. Sihnolger
DATE	F. MARSH		
11/29/08			
PROJECT NO.		SHEET	REV.
		A-03	00



141 TYPICAL WINDOW SECTION WITH FINISHING

NOTE:

1. INTERNAL SIP PANEL COULD BE INSTALLED WITHOUT 2"x4" FRAME.
2. ONLY MHS SIP SHEARWALL, ROOF OR FLOOR DIAPHRAGM NEED TO BE INSTALLED BY 2"x4" TO MHS FRAME.



142 SIP PANEL SYSTEM (ESR 2233)

NOTES

- 1- STRUCTURAL INSULATED PANELS (SIP) SHOULD COMPLY WITH ICC EVALUATION REPORT, ESR106, OR NERISS SIMILAR APPROVED PANELS BY ICC CAN MHS SHEAR WALL IS PREFERRED.
- 2- ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH.
- 3- THE TYPE OF ALUMINUM MATERIAL IS 6061-T6.
- 4- FOR MHS SHEAR WALLS & DIAPHRAGMS, THE CONNECTION OF SIP TO FRAME IS PROVIDED BY 2X4 FOR OTHER INTERIOR OR EXTERIOR WALLS PROVIDING 2X4 IS OPTIONAL.

REFERENCE DRAWINGS

DESCRIPTION	PROJECT NO.

System Design By: Tim Siskotger, Inventor
 Structural By: MHS Aluminum Framing
 Manufacturing By: US SYSTEMS LLC (USSYSTEMSUS)

REFERENCES

PROJECT ADDRESS

LEGEND

MHS : MODULAR HOUSING SYSTEM
 T.O.B : TOP OF THE BEAM
 F.F.L. : FINISH FLOOR LEVEL

NO.	ISSUED FOR REVIEW & COMMENTS	BY	DATE
00	ISSUED FOR REVIEW & COMMENTS		
REV.	DESCRIPTION		



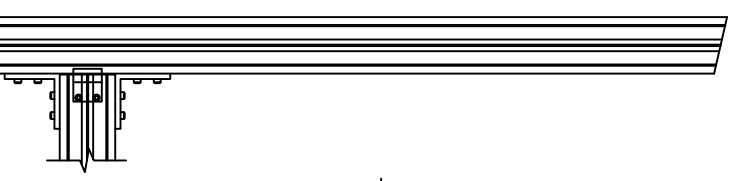
MHS PREFAB

MHS-SIP PANELS

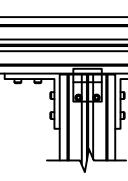
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SCALE	DRAWING BY	CHECKED BY	PROJ. ENGR.
6" = 1'	RAJANI		T. SISKOTGER
DATE	FABRICATION		
11/29/08			
PROJECT NO.		SHEET	REV.
		A-04	00

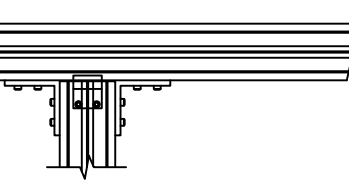
T.O.B. EL. +204.00'



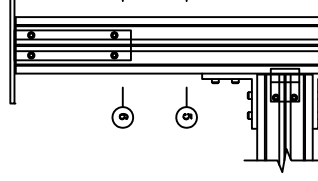
T.O.B. EL. +132.00'



T.O.B. EL. +160.00'



T.O.B. EL. +36.00'



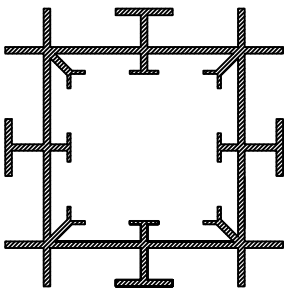
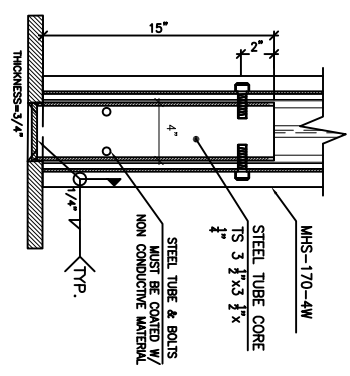
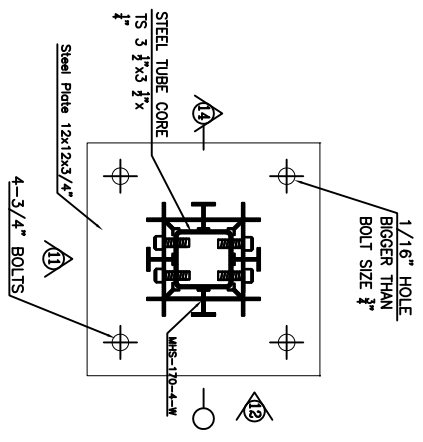
1 C1 COLUMN TYPE
SC. 1:10

2 C2 COLUMN TYPE
SC. 1:10

3 C3 COLUMN TYPE
SC. 1:10

4 C4 COLUMN TYPE
SC. 1:10

5 MHS-170-4W
SC. 1:5



- NOTES**
- 1- STRUCTURAL INSULATED PANELS (SIP) SHOULD COMPLY WITH ICC EVALUATION REPORT, ESR1006, OR NEREX33 SIMILAR APPROVED PANELS BY ICC CAN. MHS SHEAR WALL IS PREFERRED.
 - 2- ALL DIMENSIONS, ELEVATIONS & COORDINATES ARE IN FOOT & INCH.
 - 3- THE TYPE OF ALUMINUM MATERIAL IS 6061-T6.

REFERENCE	DRAWINGS
DESCRIPTION	PROJECT NO.

MHS PREFAB
 Structural Engineering By: Dr-Petric David SE
 Michael Ho-Nhi Lu, P.E.
 System Design By: Tim Schneider, Inventor
 Structural By: MHS Aluminum Framing
 Manufacturing By: US SYSTEMS LLC (USSYSTEMS)
 Fabricator: Interior, Exterior Finishing By: MHS Licensee,
 Authorized MHS Field Builder.

MODULAR HOUSING SYSTEM

LEGEND
 MHS : Modular Housing System

REV.	ISSUED FOR REVIEW & COMMENTS	DESCRIPTION
00		

Structural Aluminum Framing
M.H.S
 www.modularhousing.com
MHS PREFAB

COLUMN TYPES & DETAILS

US SYSTEMS LLC.

SCALE	DRAWING BY	CHECKED BY	PROJ. ENGR.
	B. Blodgett	Petric David	Tim Schneider
DATE	Revised	Michael Ho-Nhi Lu	
July-2008	F. Alford		
PROJECT NO.		SHEET	REV.
		00	