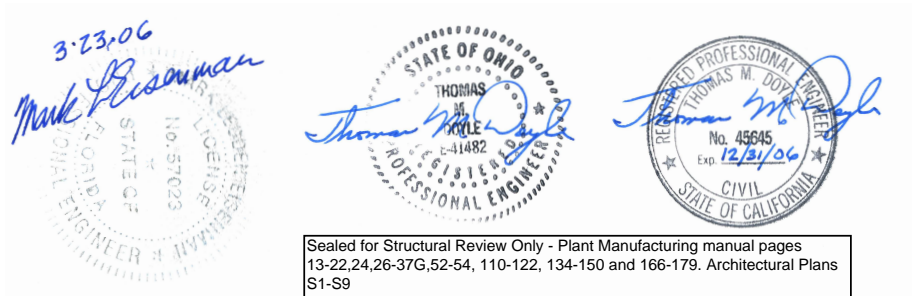


# In-Field Assembly Manual

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## PDG Domus Manufacturing LLC



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# In-Field Assembly QA Sign-Off

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Plant #	Year Identifier	Unique item identifier	Model/Serial #
1	02022003	A	Hartford 1

Date	Associates Name	Associates #

## In-Field Assembly QA Sign-Off

125 individual steps with QA standards and sign-off.

Site Assembly Standards and Processes see (In-Field Assembly Manual pages 24-191)

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Basement Installation (typical) Staircase Procedure 3	191

## Finished Product Examples Exterior View



Front view



Front view



Side view



Side view



Rear view

## Finished Product Examples Interior View



Staircase, view from Kitchen



View from Living room



1st floor Bathroom



Living room



Kitchen



3rd floor Bedroom/Loft

Home Assembly Steps



STEP 1: Cell A



STEP 2: Cell B



STEP 3: Cell D



STEP 4: Cell E



STEP 5: G1 (End Gable)



STEP 6: G2 (End Gable)



STEP 7: L1 & U1 (Lower & Upper roof sections)



STEP 8: L2 & U2 (Lower & Upper roof sections)

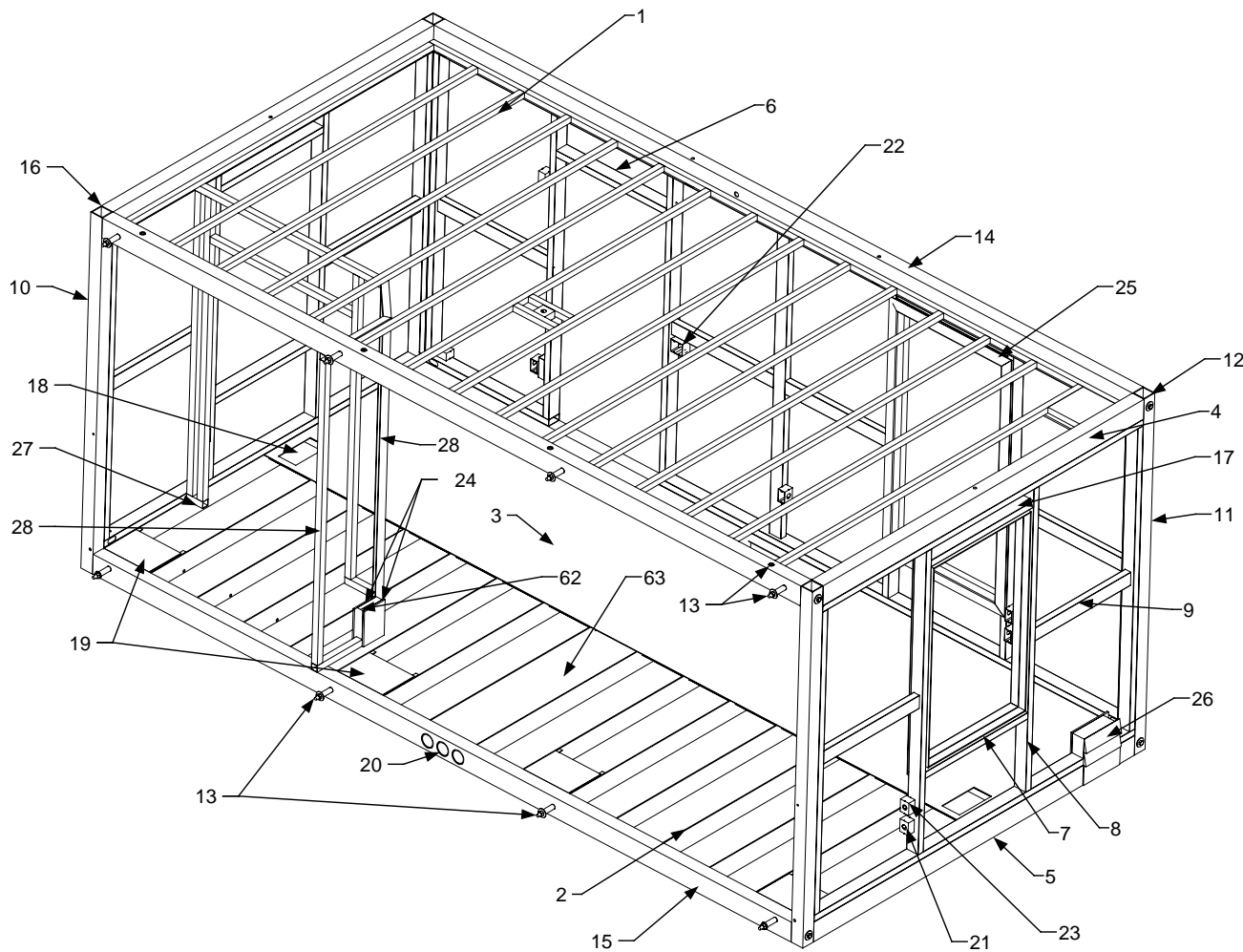


STEP 9: Cell C



STEP 10: Caulking and Sealant, Railing system



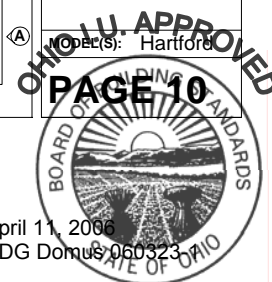
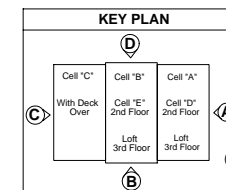


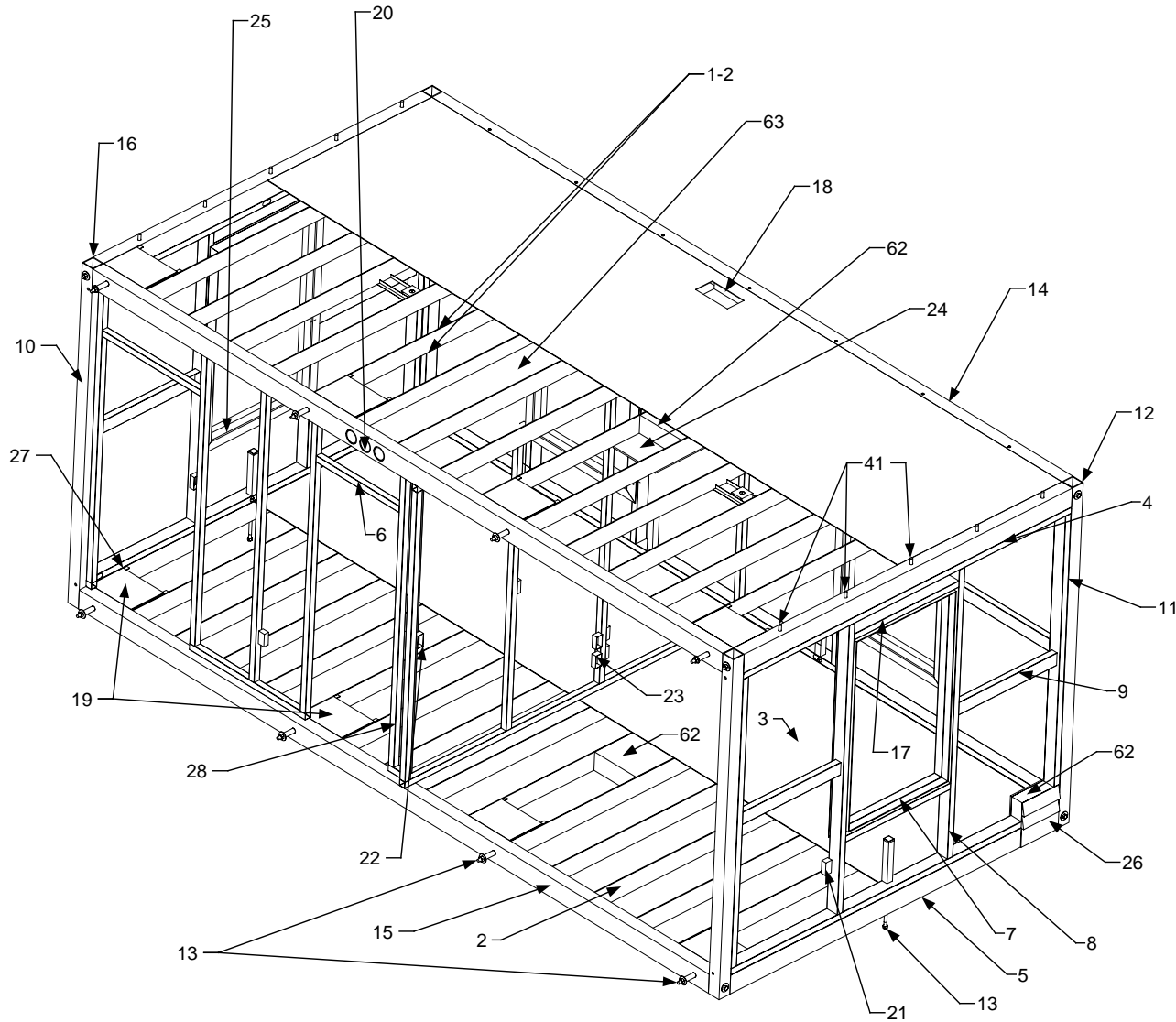
1	Ceiling Joist
2	Floor Joist
3	Floor Plate
4	Top Beam
5	Bottom Beam
6	Header
7	Sill
8	Exterior Wall Stud
9	Exterior Wall Lateral Brace
10	Intermediate Columns
11	Corner Columns
12	Corner Connectors
13	Cell Connectors
14	Top Girder
15	Bottom Girder
16	Intermediate Column Connectors
17	Window Header
18	Floor Vent Cut-out
19	Hatch Cover
20	Duct Portal-4" Typical
21	Electrical Receptacle
22	Electrical Switch
23	Cable
24	Drywall
25	Trim
26	Exterior Panel & Insulation
27	Wall Fastener/weld/adhesive
28	Interior Wall Stud
62	Insulation
63	Ductwork



#### DRAWING

Definitions-Parts  
identification  
Cell A (typical)



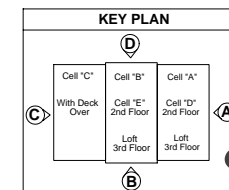


1	Ceiling Joist
1-2	Ceiling Joist-Floor Joist
2	Floor Joist
3	Floor Plate
4	Top Beam
5	Bottom Beam
6	Header
7	Sill
8	Exterior Wall Stud
9	Exterior Wall Lateral Brace
10	Intermediate Columns
11	Corner Columns
12	Corner Connectors
13	Cell Connectors
14	Top Girder
15	Bottom Girder
16	Intermediate Column Connectors
17	Window Header
18	Floor Vent Cut-out
19	Hatch Cover
20	Duct Portal-4" Typical
21	Electrical Recepticle
22	Electrical Switch
23	Cable
24	Drywall
25	Trim
26	Exterior Panel
27	Wall Fastener/weld/adhesive
28	Interior Wall Stud
41	Cell to Roof Fastener
62	Insulation
63	Ductwork



#### DRAWING

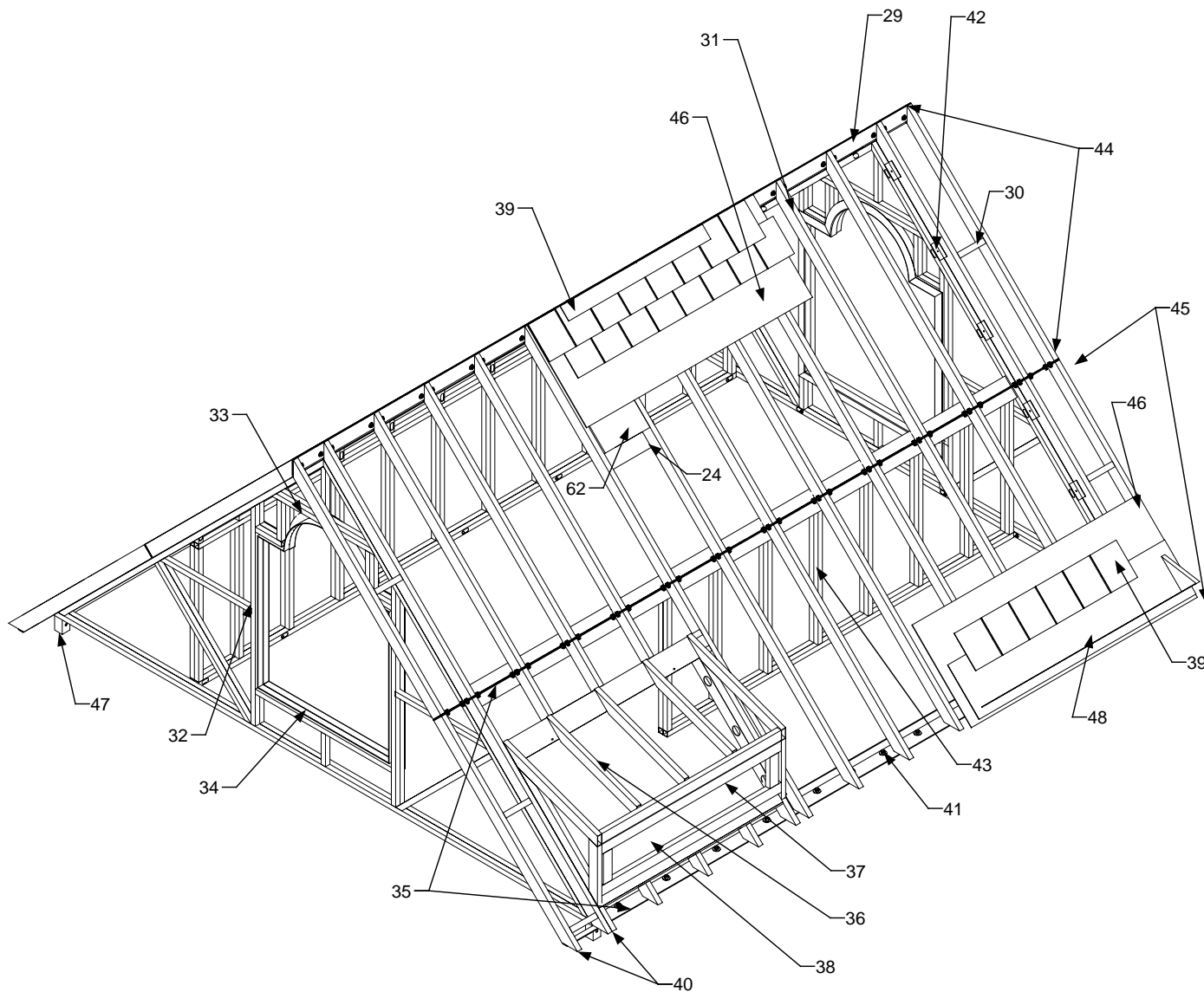
Definitions-Parts  
identification  
Cell D  
Upper level



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PROJECT(S): Hartford  
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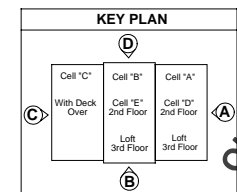


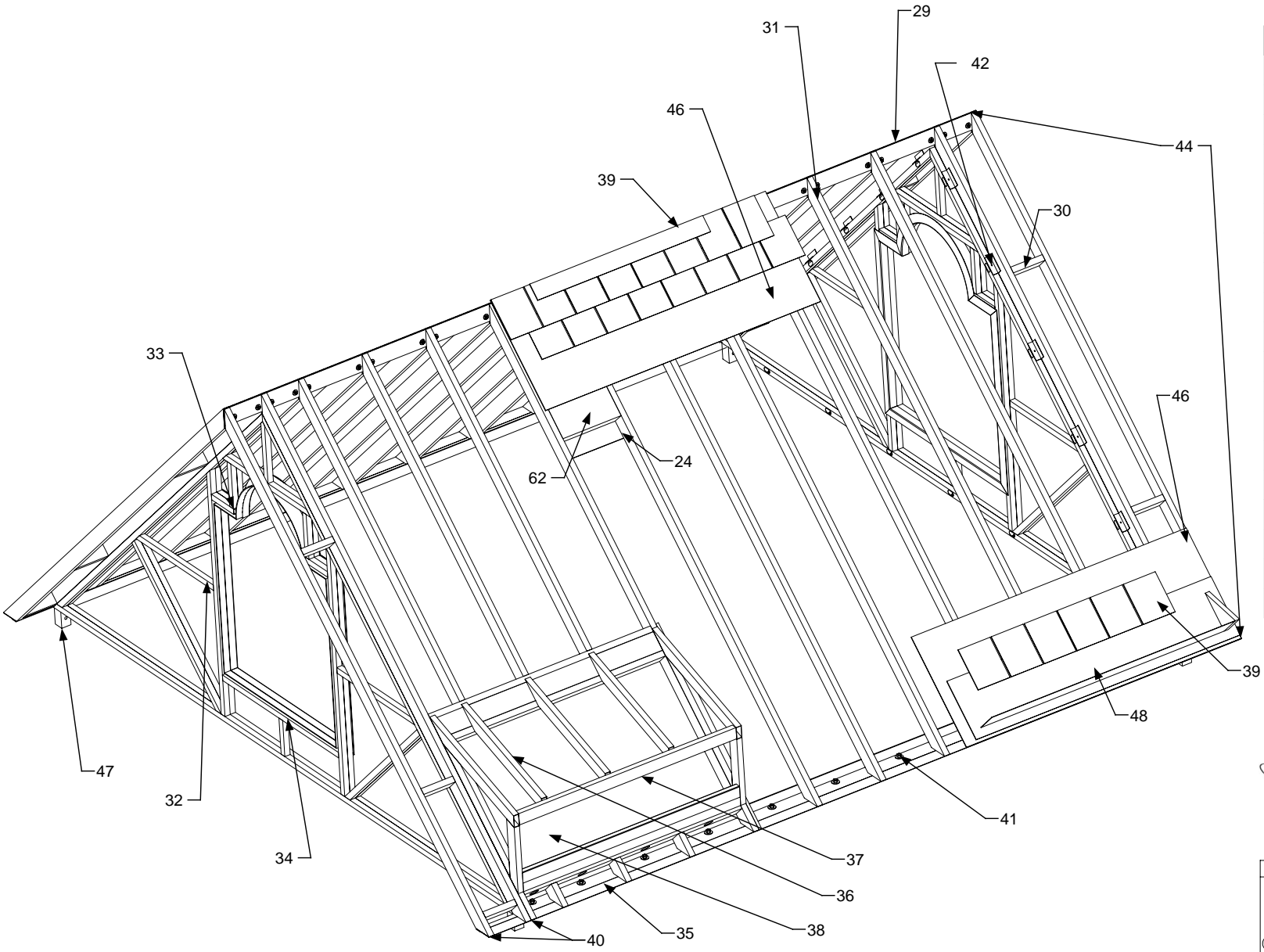
24	Drywall
29	Ridge Beam
30	Purlin
31	Rafters
32	End Gable Framing
33	End Gable Window Header
34	End Gable Windowsill
35	Rafter Connector Plate
36	Dormer Rafters
37	Dormer Window Header
38	Dormer Window Opening
39	Roof Shingle-Cap (composite)
40	Flying Gable End
41	Cell to Roof Fastener
42	End Gable Fastener points
43	Knee Wall
44	Upper Roof Section
45	Lower Roof Section
46	Roof Deck (composite)
47	End Gable Connector Pin
48	Box Gutter (composite)
62	Insulation

R3DB

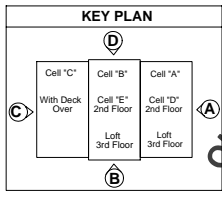


DRAWING  
Definitions-Parts  
Identification  
Roof (typical)  
Type 2





24	Drywall
29	Ridge Beam
30	Purlin
31	Rafters
32	End Gable Framing
33	End Gable Window Header
34	End Gable Windowsill
35	Rafter Connector Plate
36	Dormer Rafters
37	Dormer Window Header
38	Dormer Window Opening
39	Roof Shingle-Cap (composite)
40	Flying Gable End
41	Cell to Roof Fastener
42	End Gable Fastener points
44	Roof Section
46	Roof Deck (composite)
47	End Gable Connector Pin
48	Box Gutter (composite)
62	Insulation



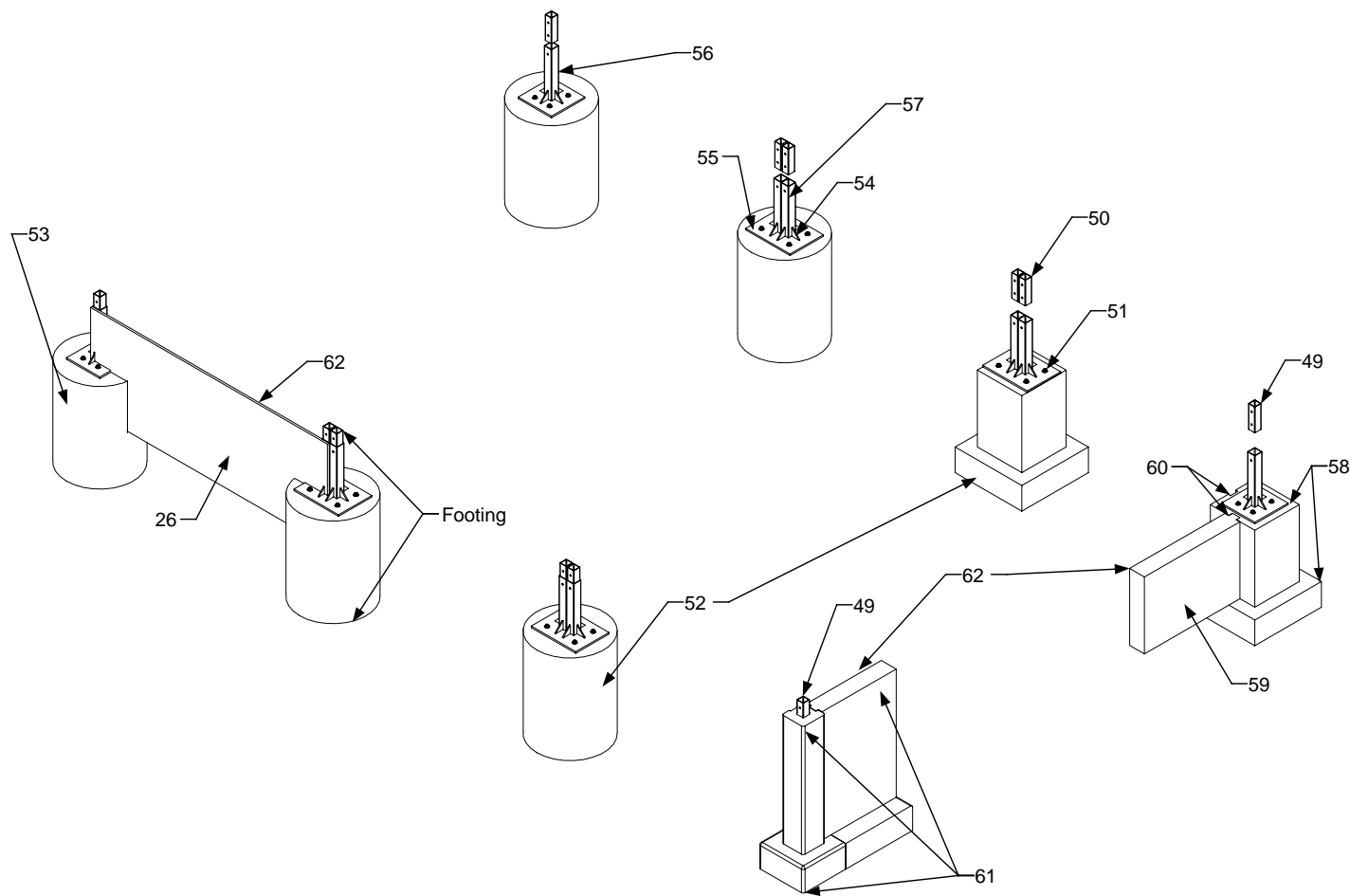
**DRAWING**

Definitions-Parts  
Identification  
Roof (Typical)  
Type 1

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**PAGE 12A**

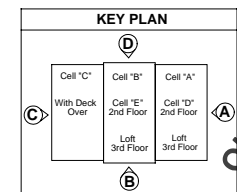




26	Exterior Panel (Rat Wall)
49	Corner Connector Pin
50	Intermediate Connector Pin
51	J Bolt-Typical Galvanized Anchor Bolts
52	Concrete Intermediate Pier
53	Concrete Corner Pier
54	Gusset
55	Base Plate
56	Corner Connecting Post
57	Intermediate Connecting Post
58	Pre-Cast Corner Footing
59	Pre-Cast Footing Wall
60	Pre-Cast Footing Wall Channel
61	Pre-Cast Foundation & Wall
62	Insulation
63	Ductwork

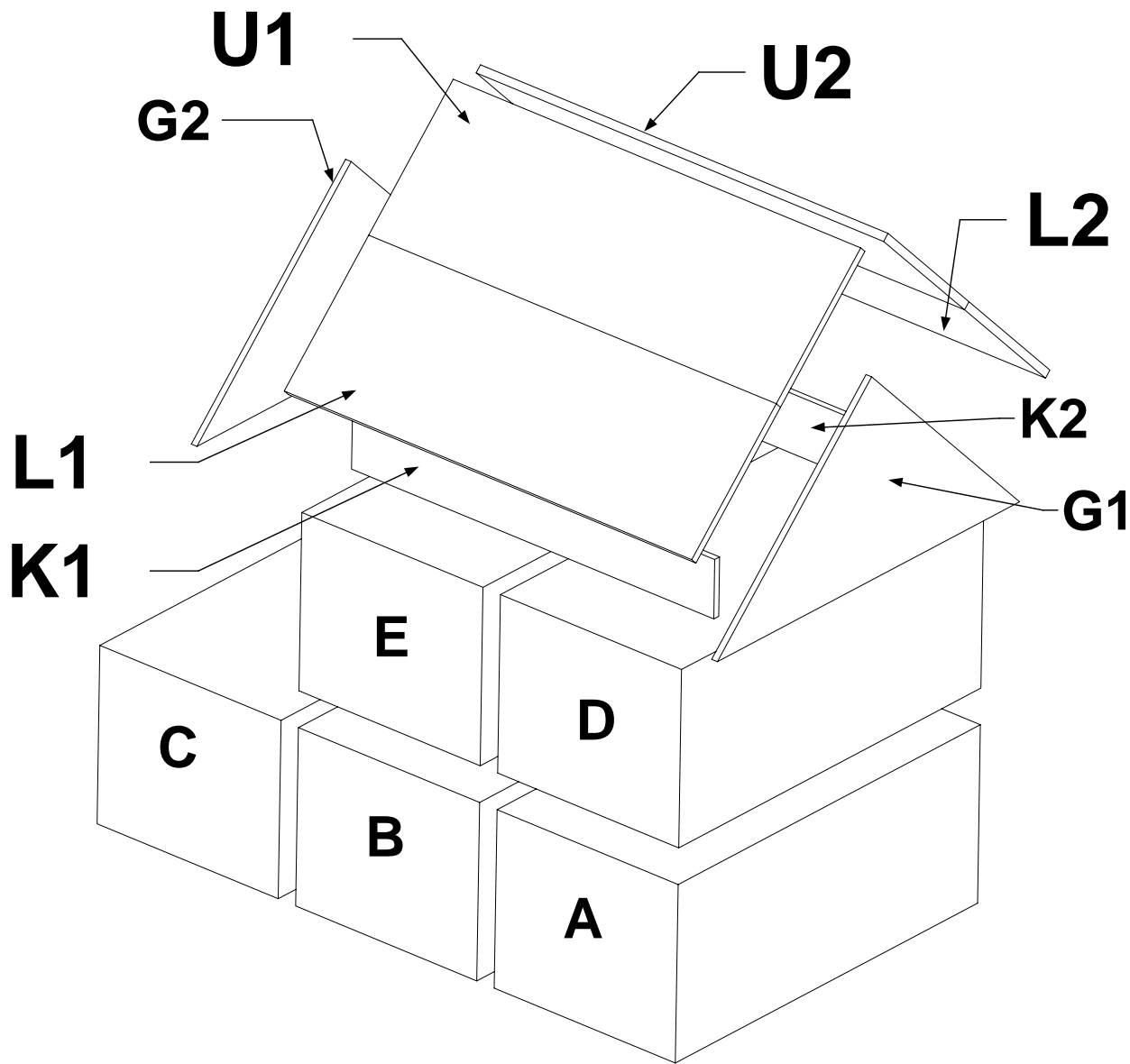


DRAWING  
Definitions-Parts  
identification  
Footing-Foundation



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PAGE 13

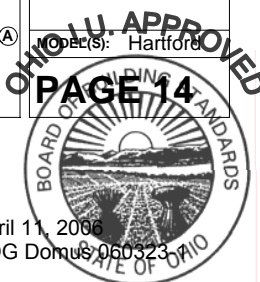
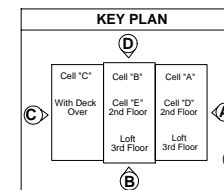


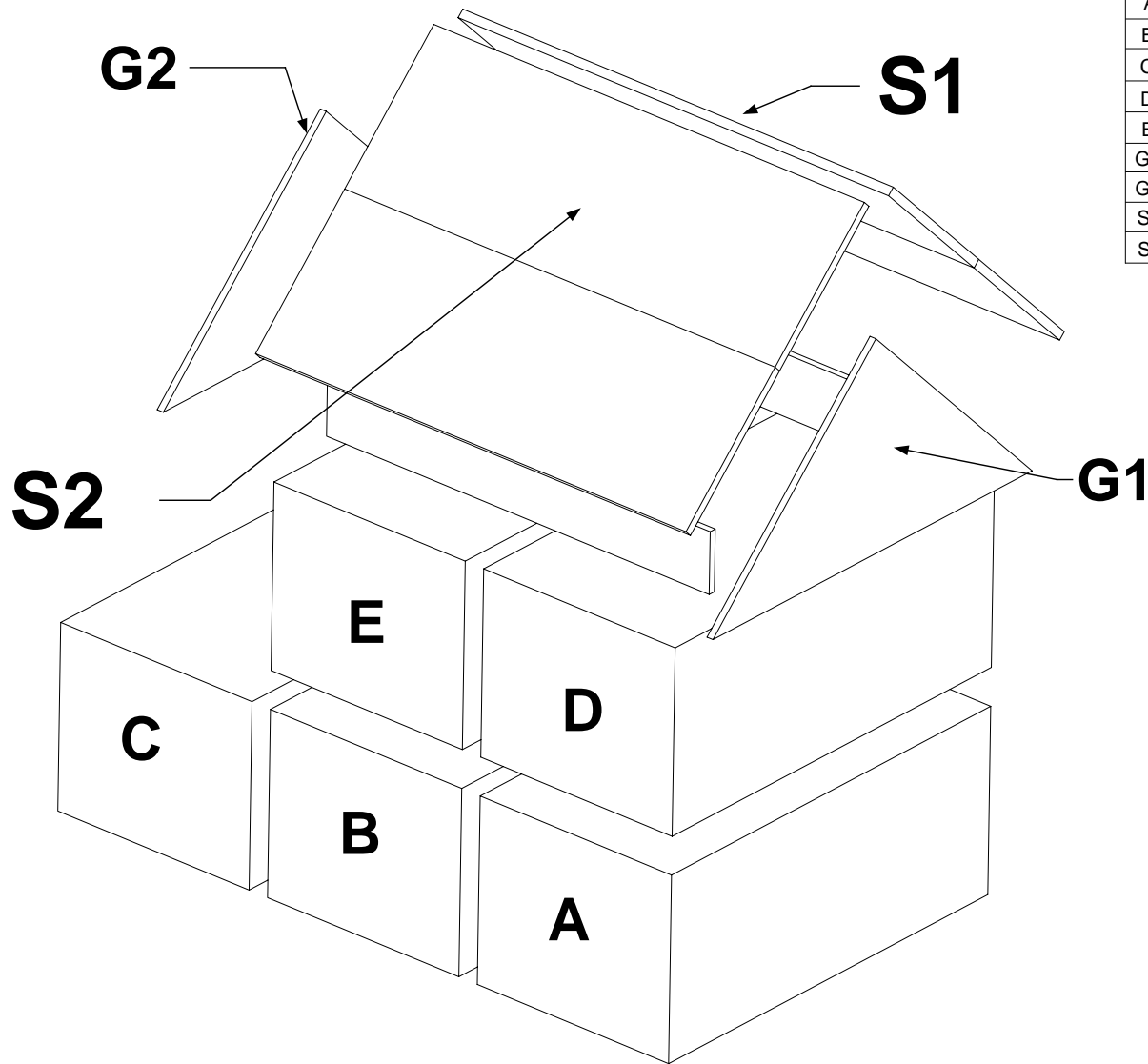


A	Cell A
B	Cell B
C	Cell C
D	Cell D
E	Cell E
G1	Gable 1
G2	Gable 2
K1	Knee Wall 1
K2	Knee Wall 2
L1	Lower Section 1 (roof)
L2	Lower Section 2 (roof)
U1	Upper Section 1 (roof)
U2	Upper Section 2 (roof)



DRAWING
Definitions-Parts identification
Major component identification

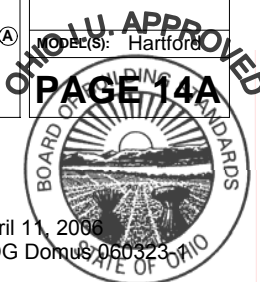
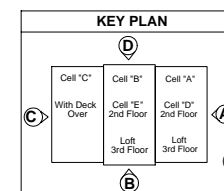




A	Cell A
B	Cell B
C	Cell C
D	Cell D
E	Cell E
G1	Gable 1
G2	Gable 2
S1	Section 1 (roof)
S2	Section 2 (roof)



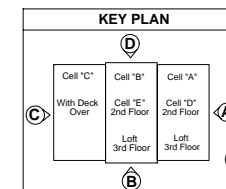
DRAWING
Definitions-Parts identification
Major component identification



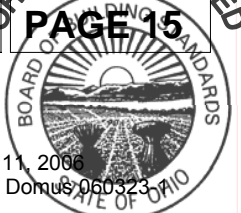
1	Ceiling Joist	Tubing .0625" x 1.75" x 1.75" x 10' (ASTM A-513 Type 1)
2	Floor Joist	Plate .25" x 6" x 10' (ASTM A36)
3	Floor Plate	Plate .125" x 10' x 20' (ASTM A36)
4	Top Beam	Tubing .1875" x 4" x 6" x 10' (ASTM A-500 Gr. B2 Structural)
5	Bottom Beam	Tubing .1875" x 4" x 6" x 10' (ASTM A-500 Gr. B2 Structural)
6	Header	Tubing .0625" x 2" x 4" Assembly (ASTM A-513 Type 1)
7	Sill	Tubing .0625" x 2" x 4" Assembly (ASTM A-513 Type 1)
8	Exterior Wall Stud	Tubing .0625" x 2" x 4" Assembly (ASTM A-513 Type 1)
9	Exterior Wall Lateral Brace	Tubing .0625" x 2" x 2" Assembly (ASTM A-513 Type 1)
10	Intermediate Columns	Tubing .25" x 4" x 4" x 9' (ASTM A-500 Gr. B2 Structural)
11	Corner Columns	Tubing .25" x 4" x 4" x 9' (ASTM A-500 Gr. B2 Structural)
12	Corner Connectors	
13	Cell Connectors	
14	Top Girder	Tubing .1875" x 4" x 6" x 20' (ASTM A-500 Gr. B2 Structural)
15	Bottom Girder	Tubing .1875" x 4" x 6" x 20' (ASTM A-500 Gr. B2 Structural)
16	Intermediate Column Connectors	
17	Window Header	Tubing .0625" x 2" x 4" Assembly (ASTM A-513 Type 1)
18	Floor Vent Cut-out	
19	Hatch Cover	Plate .125" x 15.625" x 12" (ASTM A36)
20	Duct Portal-4" Typical	Piping .25" x 4" OD x 3.937" (ASTM A53A)
21	Electrical Recepticle	
22	Electrical Switch	
23	Cable	
24	Drywall	
25	Trim	
26	Exterior Panel	
27	Wall Fastener	
28	Interior Wall Stud	.0625" x 2" x 4" Assembly (ASTM A-513 Type 1)
63	Ductwork	.0625" x 16" x (ASTM A- 513 Type 1 )



DRAWING  
Schedule-Steel  
Cell



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BY: Hartford



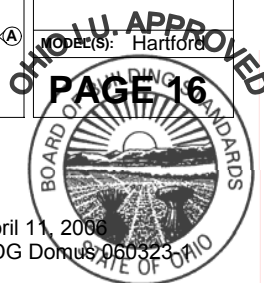
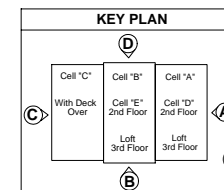


1	Ceiling Joist	Tubing .0625" x 1.75" x 1.75" x 10' (ASTM A-513 Type 1)
1-2	Ceiling Joist-Floor Joist	Plate .25"x 6" x 10' (ASTM A36)
2	Floor Joist	Plate .25" x 6" x 10' (ASTM A36)
3	Floor Plate	Plate .125" x 10' x 20' (ASTM A36)
4	Top Beam	Tubing .1875" x 4" x 6" x 10' (ASTM A-500 Gr. B2 Structural)
5	Bottom Beam	Tubing .1875" x 4" x 6" x 10' (ASTM A-500 Gr. B2 Structural)
6	Header	Tubing .0625" x 2" x 4" Assembly (ASTM A-513 Type 1)
7	Sill	Tubing .0625" x 2" x 4" Assembly (ASTM A-513 Type 1)
8	Exterior Wall Stud	Tubing .0625" x 2" x 4" Assembly (ASTM A-513 Type 1)
9	Exterior Wall Lateral Brace	Tubing .0625" x 2" x 2" Assembly (ASTM A-513 Type 1)
10	Intermediate Columns	Tubing .25" x 4" x 4" x 9' (ASTM A-500 Gr. B2 Structural)
11	Corner Columns	Tubing .25" x 4" x 4" x 9' (ASTM A-500 Gr. B2 Structural)
12	Corner Connectors	
13	Cell Connectors	
14	Top Girder	Tubing .1875" x 4" x 6" x 20' (ASTM A-500 Gr. B2 Structural)
15	Bottom Girder	Tubing .1875" x 4" x 6" x 20' (ASTM A-500 Gr. B2 Structural)
16	Intermediate Column Connectors	
17	Window Header	Tubing .0625" x 2" x 4" Assembly (ASTM A-513 Type 1)
18	Floor Vent Cut-out	
19	Hatch Cover	Plate .125" x 15.625" x 12" (ASTM A36)
20	Duct Portal-4" Typical	Piping .25" x 4" OD x 3.937" (ASTM A53A)
21	Electrical Recepticle	
22	Electrical Switch	
23	Cable	
24	Drywall	
25	Trim	
26	Exterior Panel	
27	Wall Fastener	
28	Interior Wall Stud	.0625" x 2" x 4" Assembly (ASTM A-513 Type 1)
41	Cell to Roof Fastener	
62	Insulation	
63	Ductwork	.0625" x 16" x (ASTM A-513 Type 1)



**DRAWING**

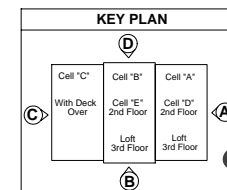
Schedule-Steel  
Cell-Upper level



29	Ridge Beam	Plate .5" x 6" x 24' (ASTM A36)
30	Purlin	Tubing .125" x 2" x 5" x 12" (ASTM A-500 Gr.B2 Structural)
31	Rafters	Tubing .125" x 2" x 5" x 184.656" (ASTM A-500 Gr. B2 Structural)
32	End Gable Framing	Tubing .0625" x 2" x 4" (ASTM A-513 Type 1)
33	End Gable Window Header	Tubing .0625" x 2" x 4" (ASTM A-513 Type 1)
34	End Gable Windowsill	Tubing .0625" x 2" x 4" (ASTM A-513 Type 1)
35	Rafter Connector Plate	Plate .5" x 5" x 24' & .313" x 3.5" x 6" L Angle (ASTM A36)
36	Dormer Rafters	Tubing .0625" x 2" x 4" x 45.973" (ASTM A-513 Type 1)
37	Dormer Window Header	Tubing .0625 x 2" x 4" (ASTM A-513 Type 1)
40	Flying Gable End	Tubing .125" x 2" x 5" (ASTM A-500 Gr.B2 Structural)
42	End Gable Fastener Points	L-Angle .125" x 2" x 2" x 6" (ASTM A36)
43	Knee Wall	Tubing .0625 x 2" x 4" (ASTM A-513 Type 1)
44	Upper Roof Section	Assembly
45	Lower Roof Section	Assembly



DRAWING  
Schedule-Steel  
Roof



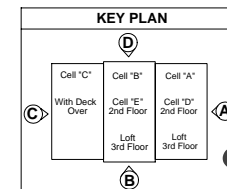
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PAGE 17  
DESIGNED BY: Hartford



49	Corner Connector Pin	Tubing .25" x 3.5" x 3.5" x 12" (ASTM A-500)
50	Intermediate Connector Pin	Tubing .25" x 4" x 4" x 24" (ASTM A-500 Gr. B2 Structural)
54	Gusset	Plate .5" x 4" x 4" (ASTM A-36)
55	Base Plate	Plate .75" x 18" x 18" (ASTM A36)
56	Corner Connecting Post	Tubing .25" x 4" x 4" x 24" (ASTM A-500 Gr. B2 Structural)
57	Intermediate Connecting Post	Tubing .25" x 4" x 8" x 24" (ASTM A-500 Gr. B2 Structural)
63	Ductwork	.0625" x 16" (ASTM A-513 Type 1)



**DRAWING**  
Schedule-Steel  
Footings



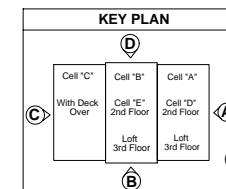
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DATE: 4/11/06  
BY: Hartford



1	Ceiling Joist	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
2	Floor Joist	Size (.25") Method (Position) Type (Continuous Fillet) on end of joist
3	Floor Plate	Size (.25") Method (Position) Type (Intermittent Equal Fillet) 1" weld every 9"
4	Top Beam	Size (.25") Method (Position) Type (Continuous Fillet) on end of beam
5	Bottom Beam	Size (.25") Method (Position) Type (Continuous Fillet) on end of beam
6	Header	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
7	Sill	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
8	Exterior Wall Stud	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
9	Exterior Wall Lateral Brace	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
10	Intermediate Columns	Size (.25") Method (Position) Type (Continuous Fillet) on end of beam
11	Corner Columns	Size (.25") Method (Position) Type (Continuous Fillet) on end of beam
12	Corner Connectors	
13	Cell Connectors	
14	Top Girder	Size (.25") Method (Position) Type (Continuous Fillet) on end of beam
15	Bottom Girder	Size (.25") Method (Position) Type (Continuous Fillet) on end of Beam
16	Intermediate Column Connectors	
17	Window Header	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
18	Floor Vent Cut-out	
19	Hatch Cover	
20	Duct Portal-4" Typical	Size (.1875") Method (Position) Type (Continuous Fillet)
21	Electrical Recepticle	
22	Electrical Switch	
23	Cable	
24	Drywall	
25	Trim	
26	Exterior Panel	
27	Wall Fastener	
28	Interior Wall Stud	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
63	Ductwork	Size (.125") Method (Position) Type (Single Fillet Weld) 1" every 9"



DRAWING  
Schedule-Welding  
Cell



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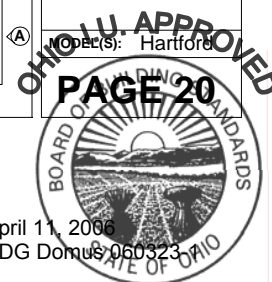
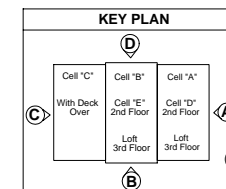


1	Ceiling Joist	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
1-2	Ceiling Joist-Floor Joist	Size (.25") Method (Position) Type (Continuous Fillet) on end of joist
2	Floor Joist	Size (.25") Method (Position) Type (Continuous Fillet) on end of joist
3	Floor Plate	Size (.25) Method (Position) Type ( Intermittent Equal Fillet) 1" every 9"
4	Top Beam	Size (.25") Method (Position) Type (Continuous Fillet) on end of beam
5	Bottom Beam	Size (.25") Method (Position) Type (Continuous Fillet) on end of beam
6	Header	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
7	Sill	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
8	Exterior Wall Stud	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
9	Exterior Wall Lateral Brace	Size (.1875") Method (Position) Type (Equal Double-Fillet weld)
10	Intermediate Columns	Size (.25") Method (Position) Type (Continuous Fillet) on end of beam
11	Corner Columns	Size (.25") Method (Position) Type (Continuous Fillet) on end of beam
12	Corner Connectors	
13	Cell Connectors	
14	Top Girder	Size (.25") Method (Position) Type (Continuous Fillet) on end of beam
15	Bottom Girder	Size (.25") Method (Position) Type (Continuous Fillet) on end of beam
16	Intermediate Column Connectors	
17	Window Header	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
18	Floor Vent Cut-out	
19	Hatch Cover	
20	Duct Portal-4" Typical	Size(.1875") Method (Position) Type (Continuous Fillet) on end of beam
21	Electrical Recepticle	
22	Electrical Switch	
23	Cable	
24	Drywall	
25	Trim	
26	Exterior Panel	
27	Wall Fastener	
28	Interior Wall Stud	Size (.1875") Method (Position) Type (Equal Double Fillet Weld)
41	Cell to Roof Fastener	
62	Insulation	
63	Ductwork	Size (.125") Method (Position) Type (Single Fillet Weld) 1" every 9"



**DRAWING**

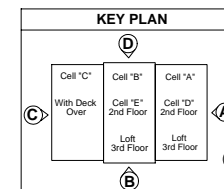
Schedule-Welding  
Cell-Upper level



29	Ridge Beam	Size (.25") Method (Position) Type (Continuous Fillet Weld )
30	Purlin	Size (.25") Method (Position) Type (Continuous Fillet Weld )
31	Rafters	Size (.25") Method (Position) Type (Continuous Fillet Weld )
32	End Gable Framing	Size (.125") Method (Position) Type (Continuous Fillet Weld )
33	End Gable Window Header	Size (.125") Method (Position) Type (Continuous Fillet Weld )
34	End Gable Windowsill	Size (.125") Method (Position) Type (Continuous Fillet Weld )
35	Rafter Connector Plate	Size (.25") Method (Position) Type (Continuous Fillet Weld )
36	Dormer Rafters	Size (.125") Method (Position) Type (Continuous Fillet Weld )
37	Dormer Window Header	Size (.125") Method (Position) Type (Continuous Fillet Weld )
40	Flying Gable End	Size (.25") Method (Position) Type (Continuous Fillet Weld )
42	End Gable Fastener Points	
43	Knee Wall	Size (.125") Method (Position) Type (Continuous Fillet Weld )
44	Upper Roof Section	
45	Lower Roof Section	



**DRAWING**  
Schedule-Welding  
Roof



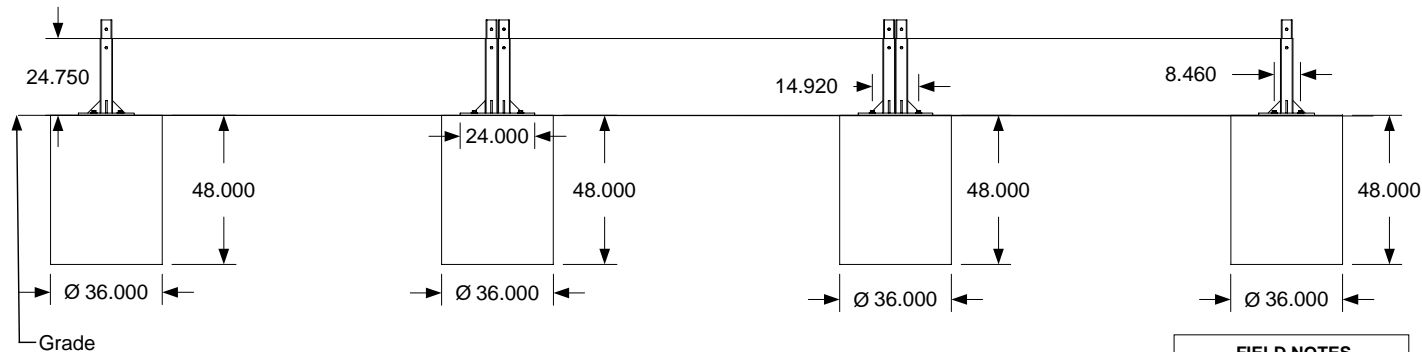
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**PAGE 21**











**FIELD NOTES**

Minimum Depth  
Concrete (Field Work)

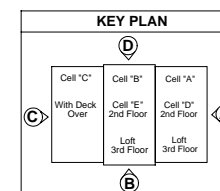
**FIELD NOTES**

Minimum Diameter  
Concrete (Field Work)



**DRAWING**

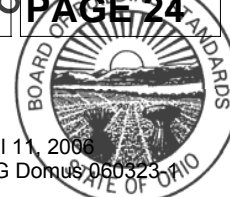
Site Assembly  
Footing-Foundation  
View Drafting-  
Elevation

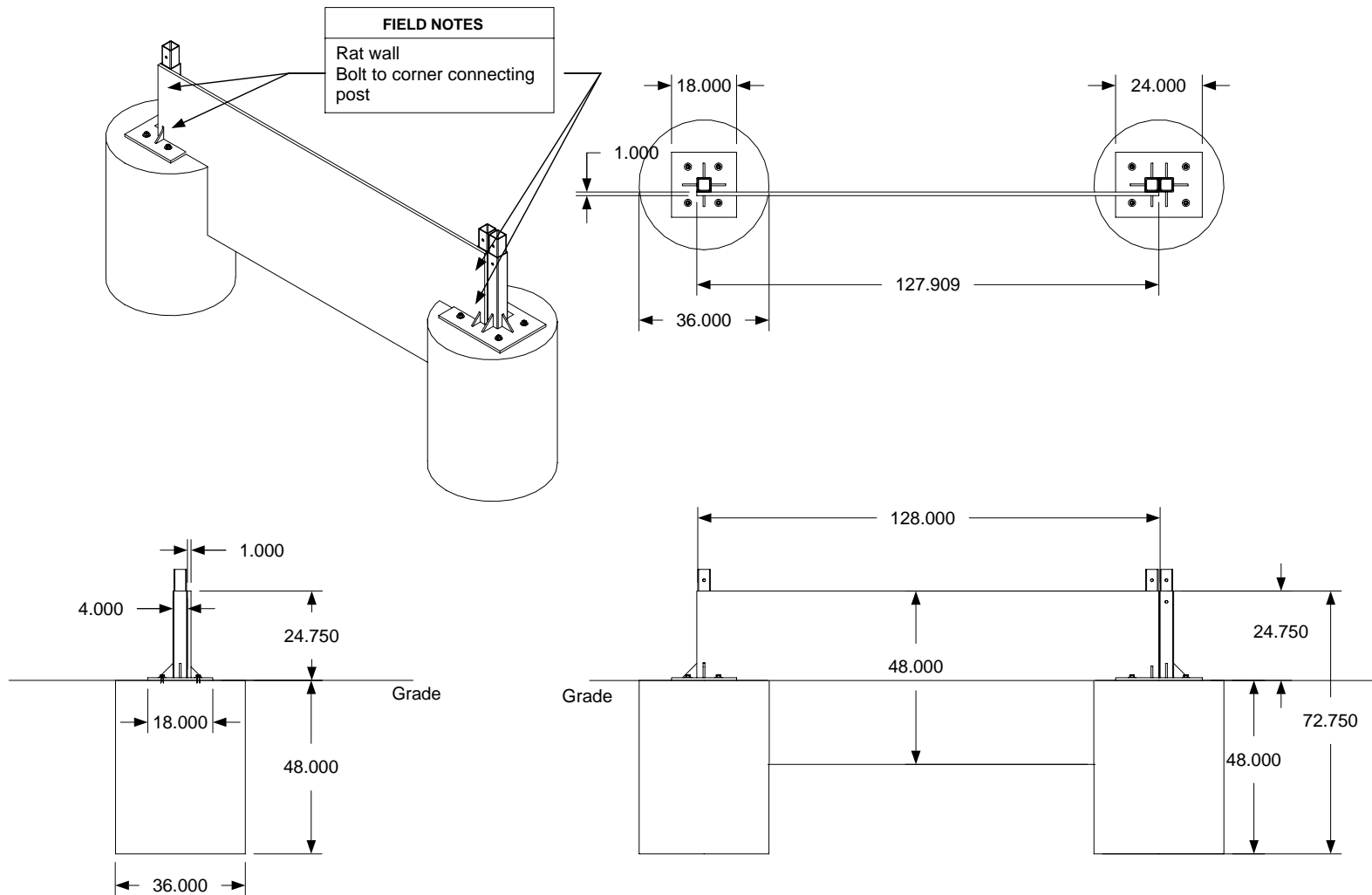


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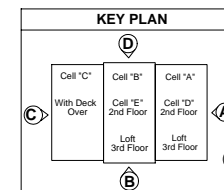
DATE(S): Hartford

**PAGE 24**

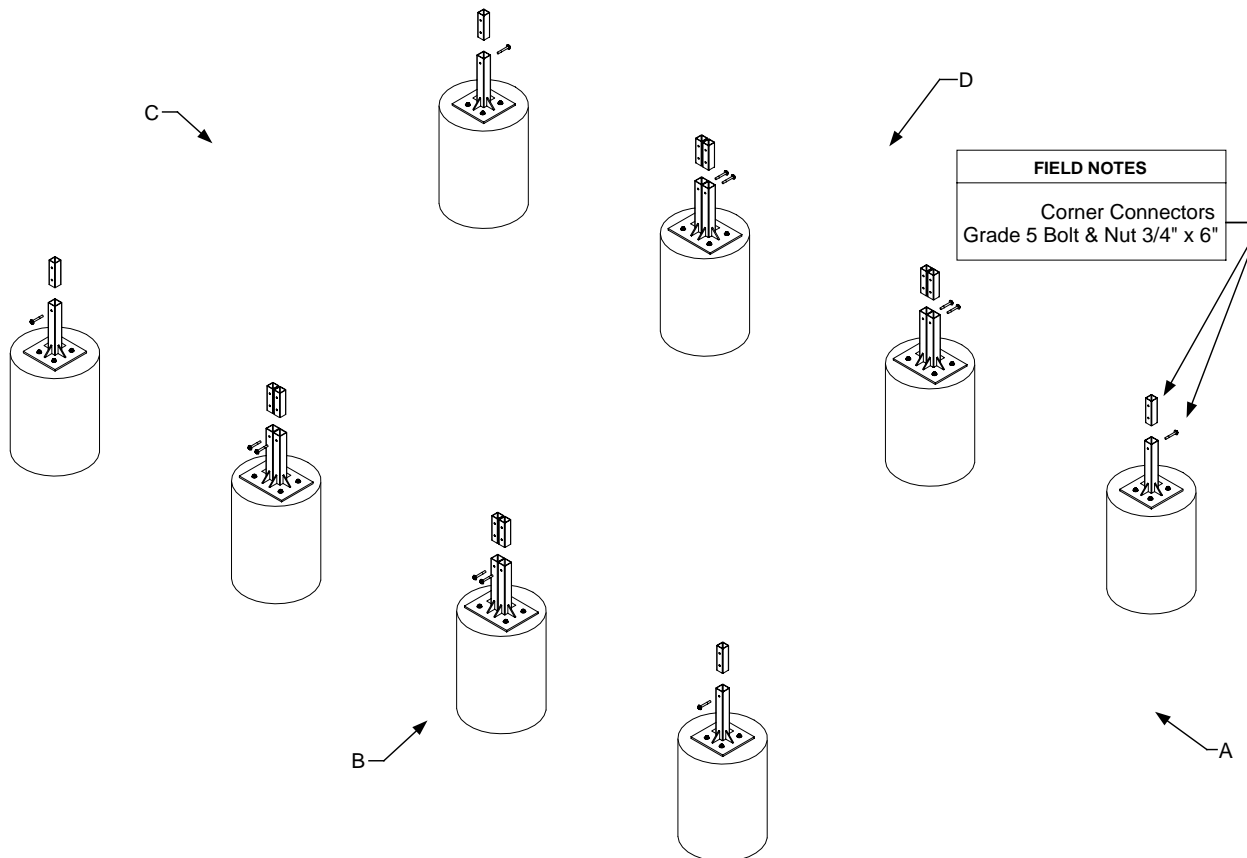




**DRAWING**  
Site Assembly  
Footings-Foundation  
View Drafting  
Rat wall



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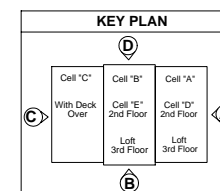


QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Install Corner Connector Pins
	Pin Count - 4
	Install Corner Connector Bolt/Nuts Grade 5 - 3/4" x 6" Torqued to minimum of 20 ft. lbs.
	Bolt/Nut Count - 4
	Install Intermediate Connector Pins
	Pin Count - 8
	Install Intermediate Connector Bolt/Nuts Grade 5 - 3/4" x 6" Torqued to minimum of 20 ft. lbs.
	Bolt/Nut Count - 8



**DRAWING**

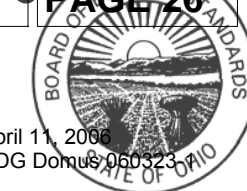
Site Assembly  
Footings-Foundation  
View A & B  
Installation-  
Connector pins  
Finished checklist

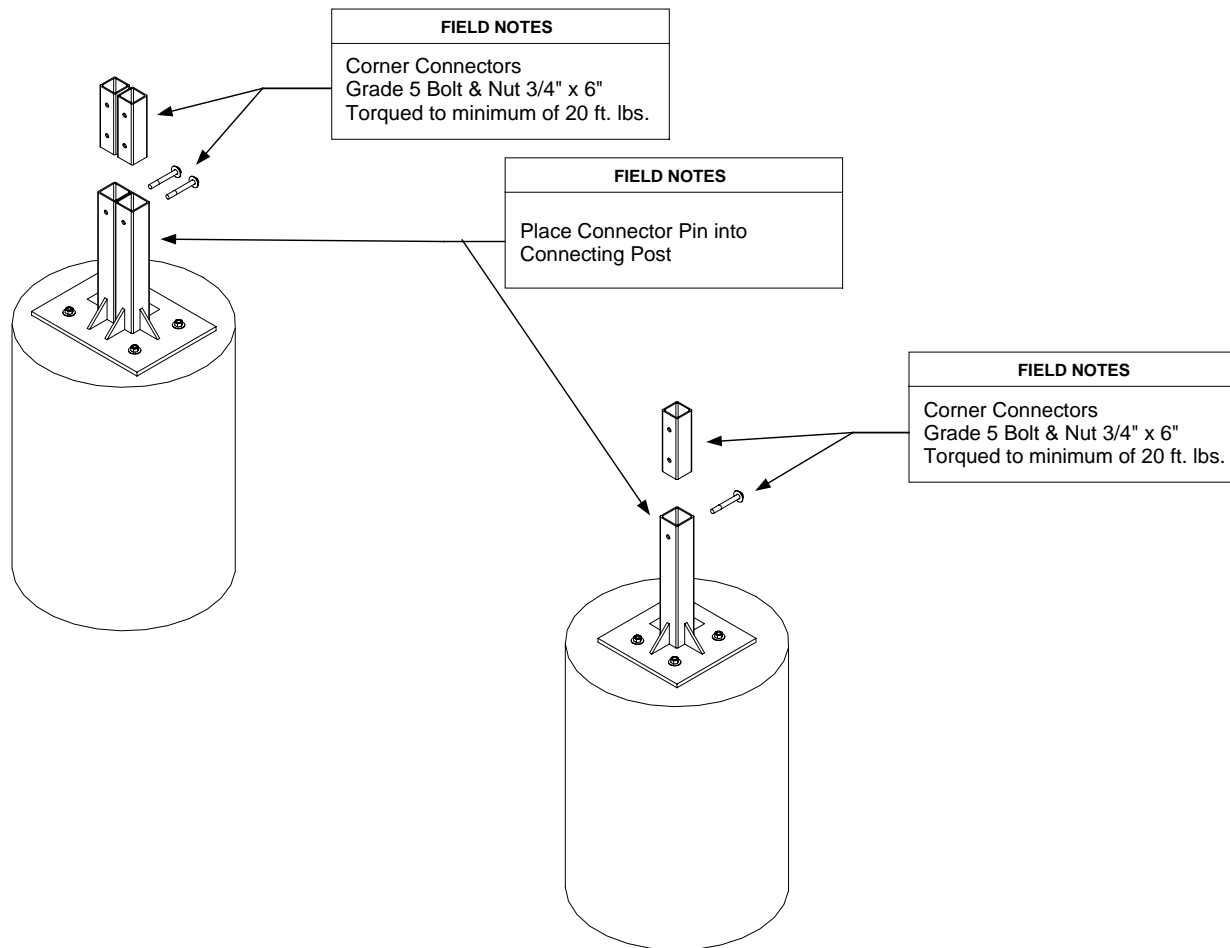


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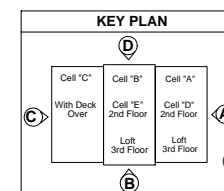
**PAGE 26**





**DRAWING**

Site Assembly  
Footing-  
Foundation  
Installation-  
Connector pins  
Detail 1



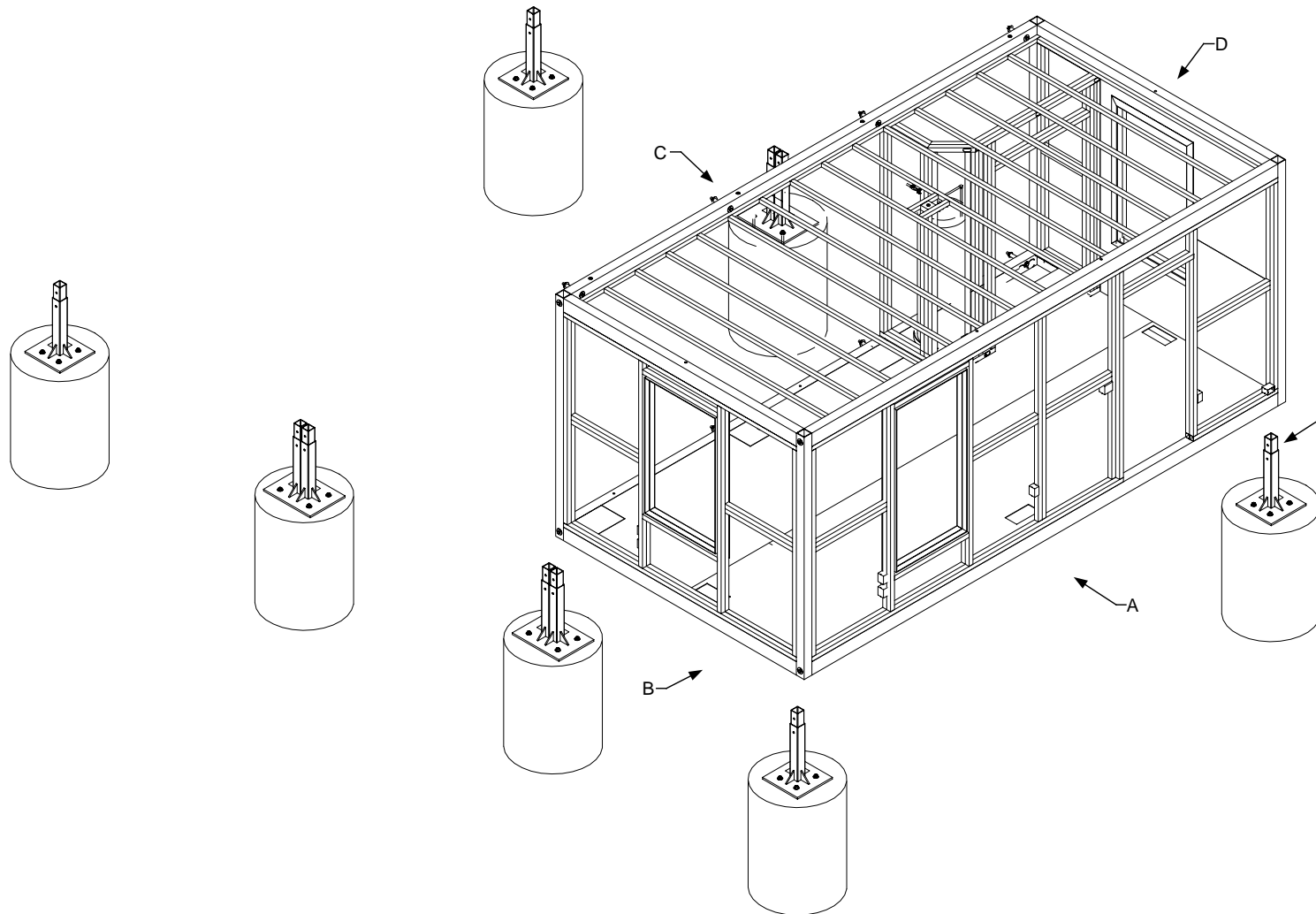
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DATE(S): Hartford

**PAGE 27**







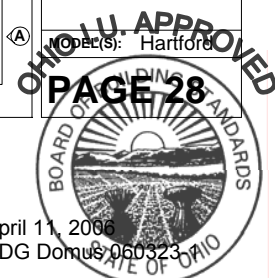
QA Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Install Corner Connector Bolt/Nuts Grade 5 - 3/4" x 6" Torqued to minimum of 20 ft. lbs.
	Bolt/Nut Count - 2
	Install Intermediate Connector Bolt/Nuts Grade 5 - 3/4" x 6" Torqued to minimum of 20 ft. lbs.
	Bolt/Nut Count - 2

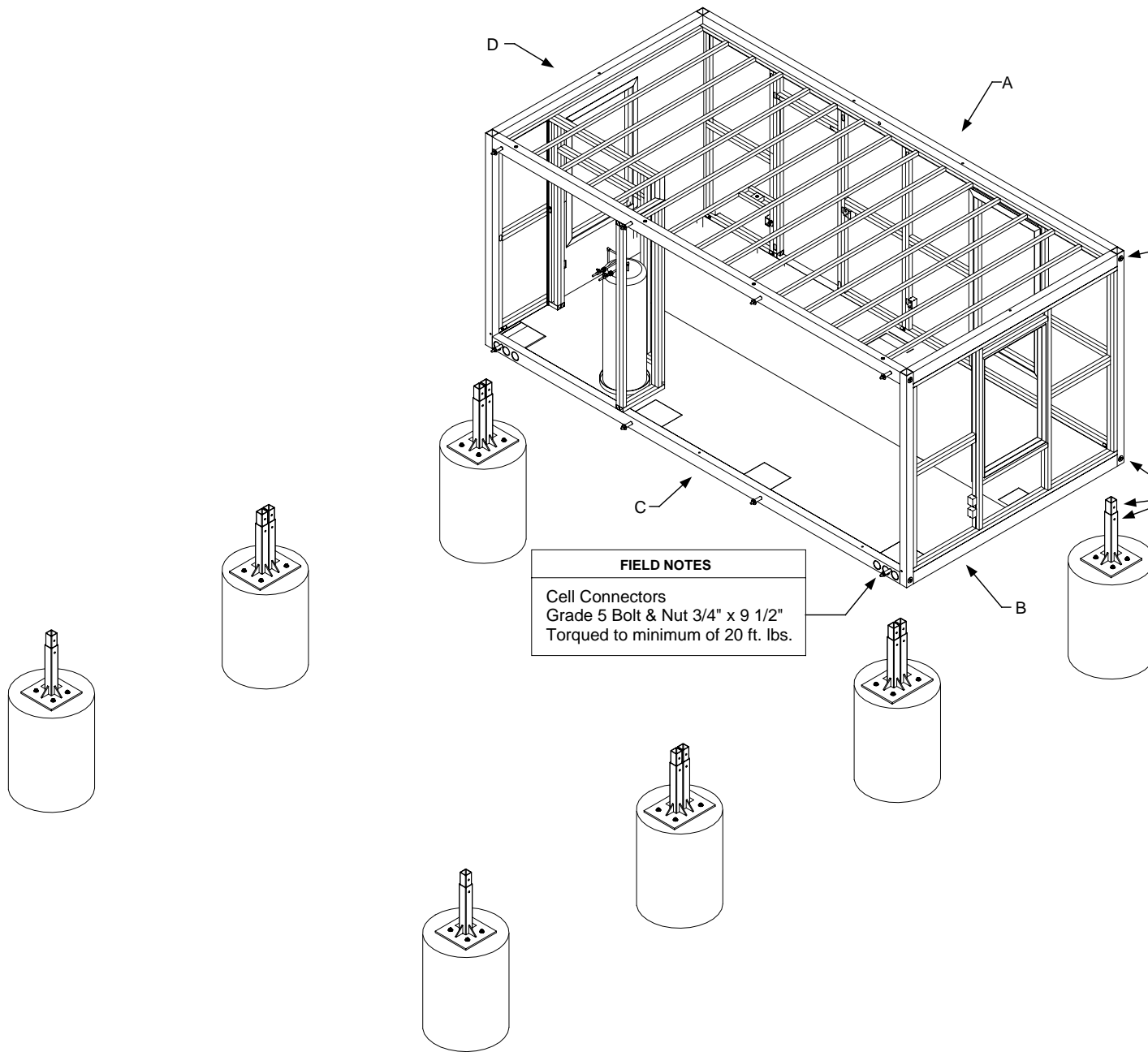
FIELD NOTES
Set Cell onto Connector Pins There are 4 Connector Pins per Cell



KEY PLAN		
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
	Loft 3rd Floor	Loft 3rd Floor

DRAWING
Site Assembly Cell A View A & B Installation-Cell to foundation Setting cell





**FIELD NOTES**

Corner Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Torqued to minimum of 20 ft. lbs.

**FIELD NOTES**

Corner Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Torqued to minimum of 20 ft. lbs.

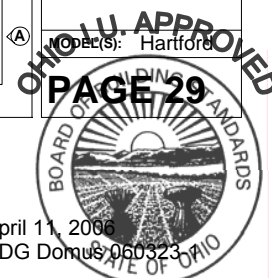
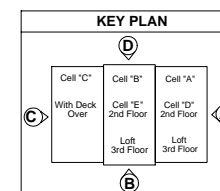
**FIELD NOTES**

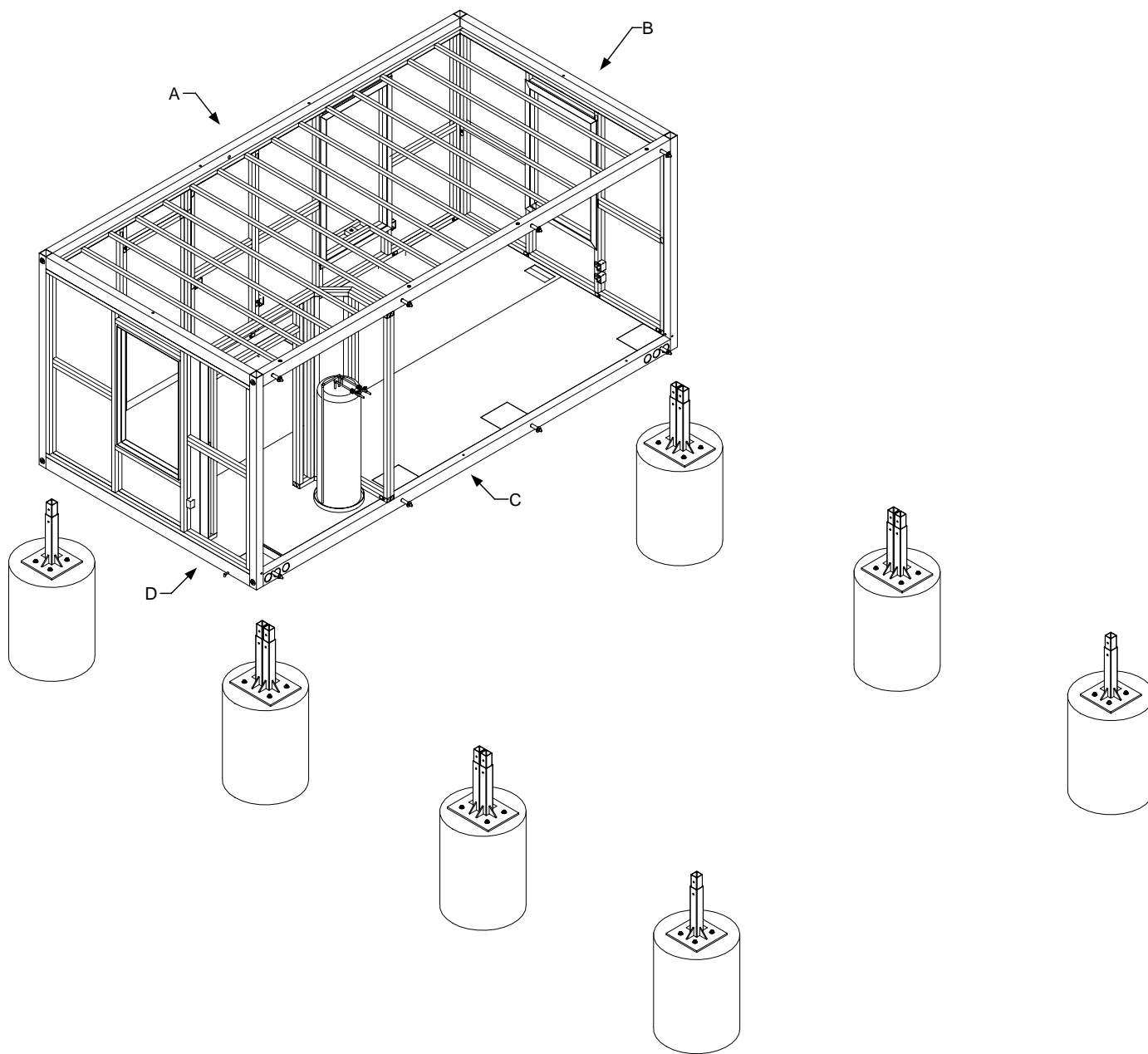
Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Torqued to minimum of 20 ft. lbs.



**DRAWING**

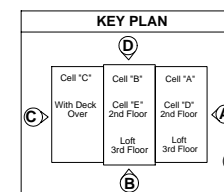
Site Assembly  
Cell A  
View B & C  
Installation-Cell to  
foundation  
Setting cell





**DRAWING**

Site Assembly  
Cell A  
View C & D  
Installation-Cell to  
foundation  
Setting cell

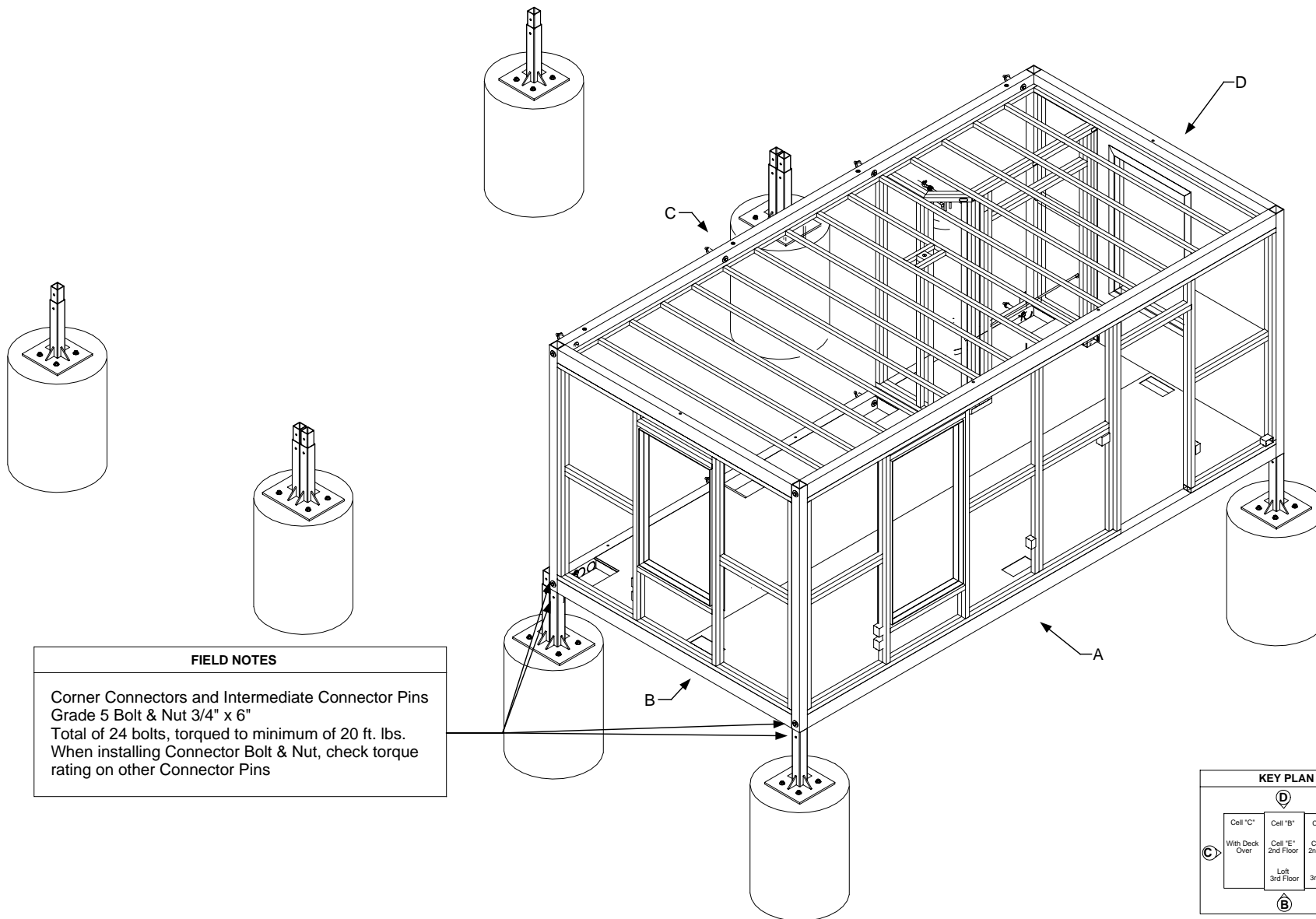


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DATE(S): Hartford

**PAGE 30**





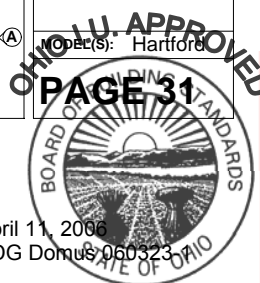
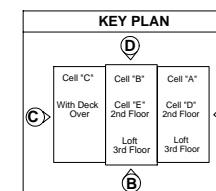
#### FIELD NOTES

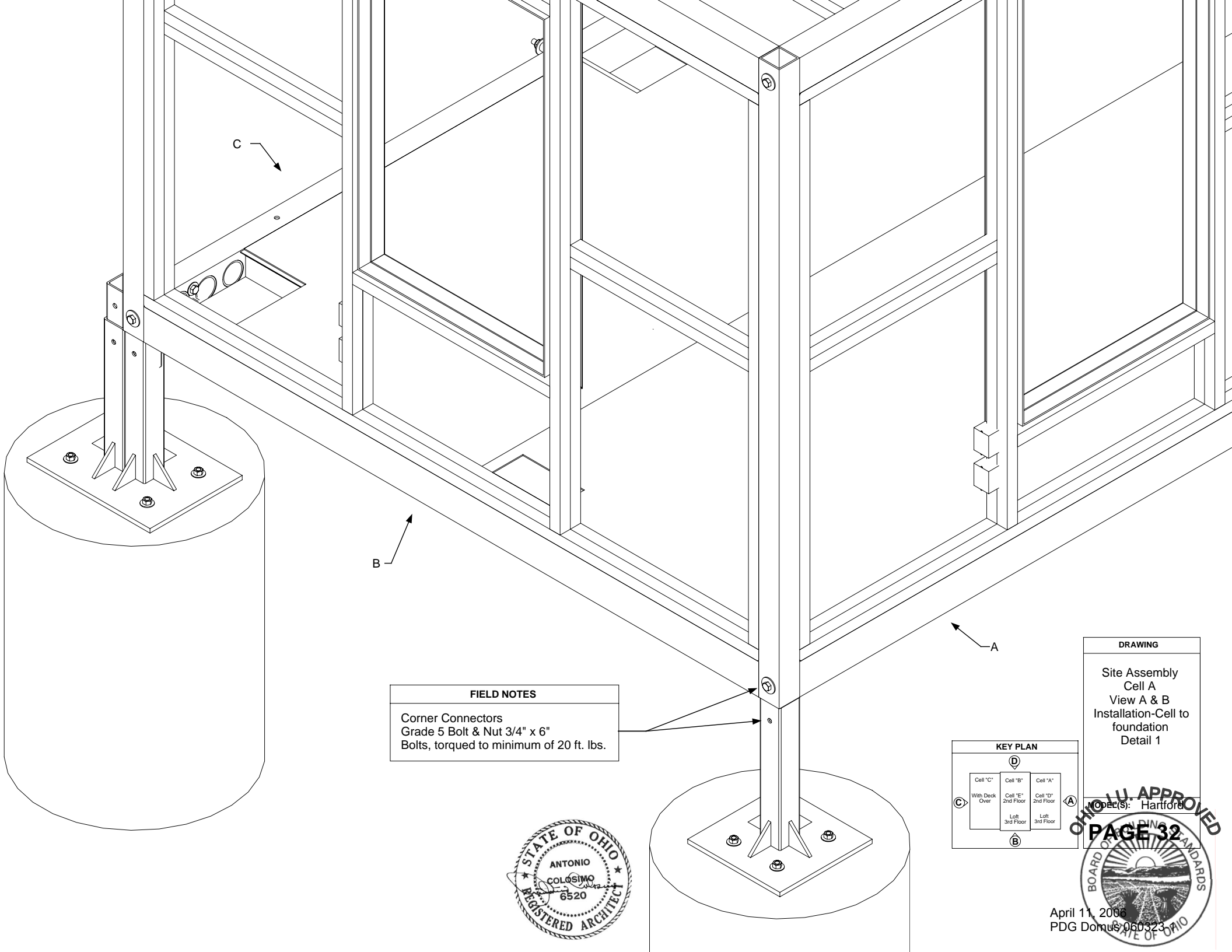
Corner Connectors and Intermediate Connector Pins  
Grade 5 Bolt & Nut 3/4" x 6"  
Total of 24 bolts, torqued to minimum of 20 ft. lbs.  
When installing Connector Bolt & Nut, check torque  
rating on other Connector Pins



#### DRAWING

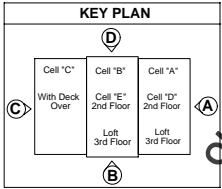
Site Assembly  
Cell A  
View A & B  
Installation-Cell to  
foundation  
Cell mounted





**FIELD NOTES**

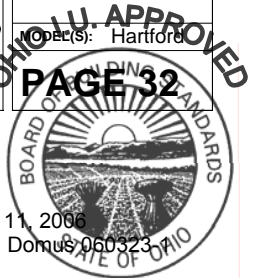
Corner Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts, torqued to minimum of 20 ft. lbs.

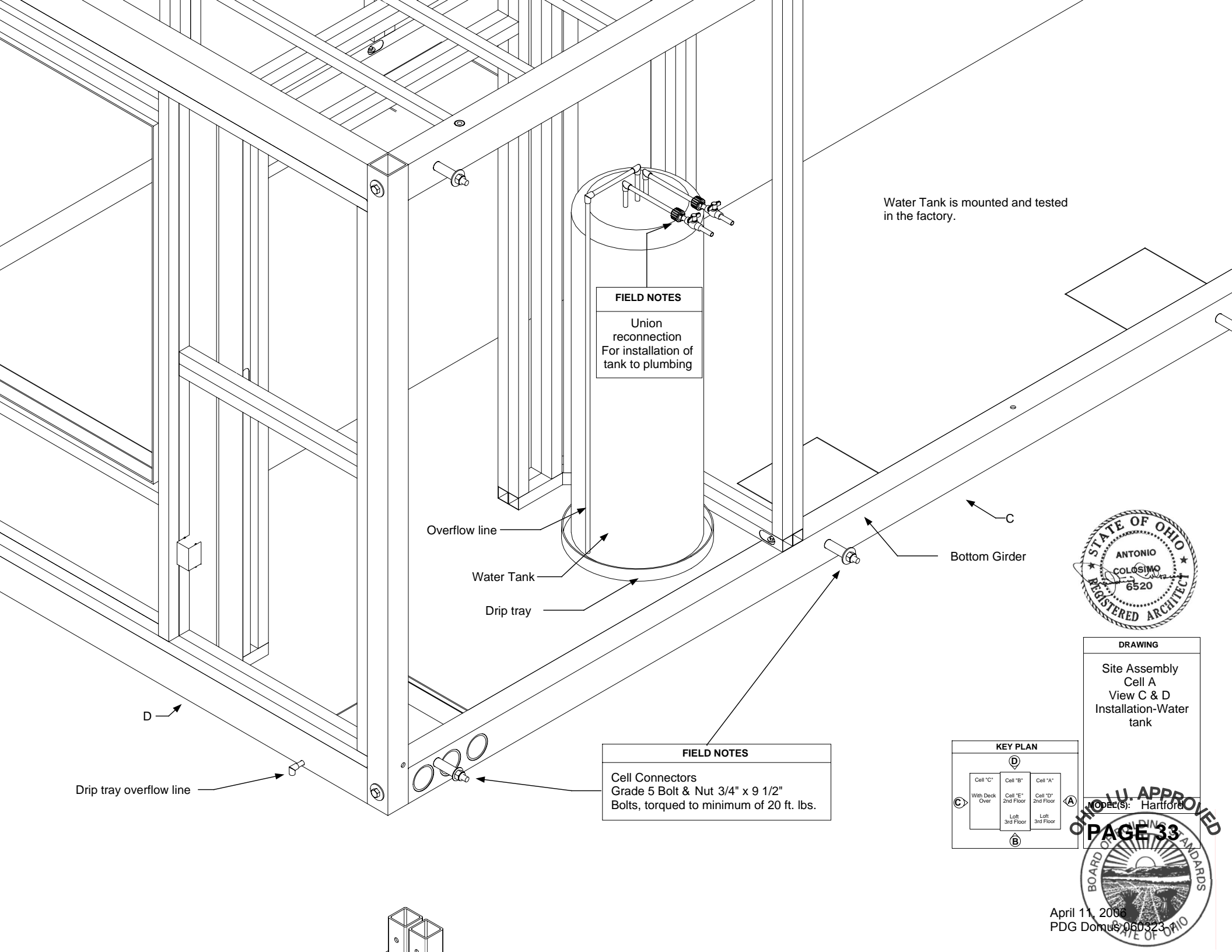


**DRAWING**

Site Assembly  
Cell A  
View A & B  
Installation-Cell to  
foundation  
Detail 1

PROJECT(S): Hartford





Water Tank is mounted and tested in the factory.

**FIELD NOTES**  
Union reconnection  
For installation of tank to plumbing

Overflow line

Water Tank

Drip tray

Bottom Girder

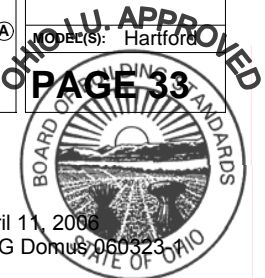
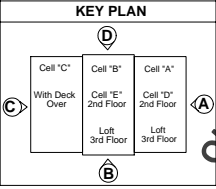
D

Drip tray overflow line

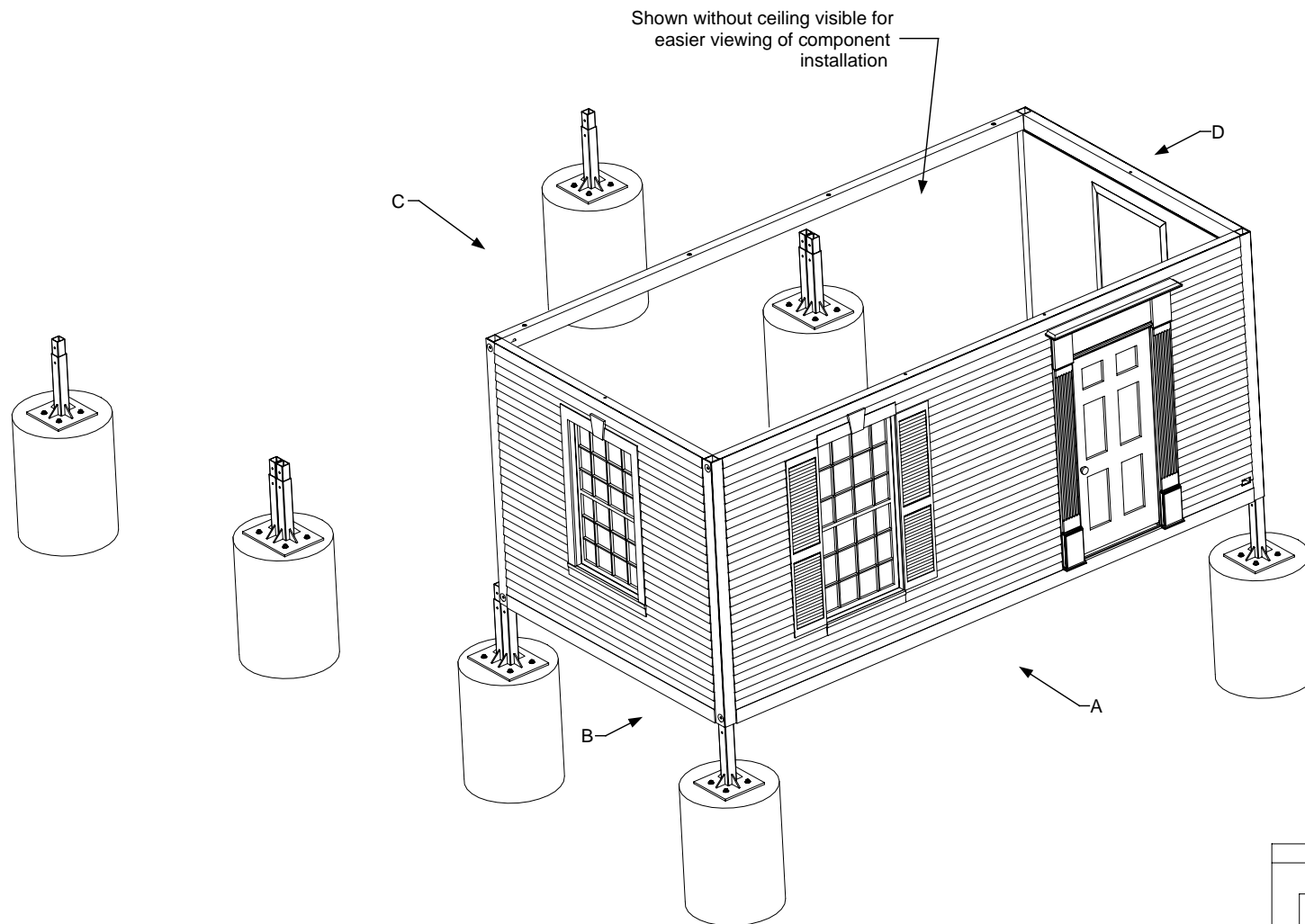
**FIELD NOTES**  
Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.



**DRAWING**  
Site Assembly  
Cell A  
View C & D  
Installation-Water tank







#### QA Finished Checklist

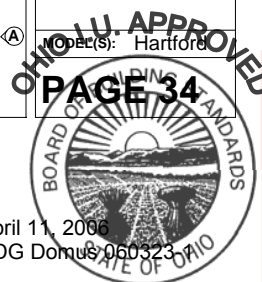
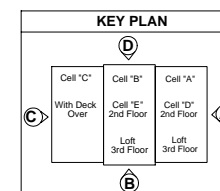
	Digital photos each execution task for QA verification and check off on drawing package
	Install Corner Connector Bolt/Nuts Grade 5 - 3/4" x 6" Torqued to minimum of 20 ft. lbs.
	Bolt/Nut Count - 2
	Install Intermediate Connector Bolt/Nuts Grade 5 - 3/4" x 6" Torqued to minimum of 20 ft. lbs.
	Bolt/Nut Count - 2

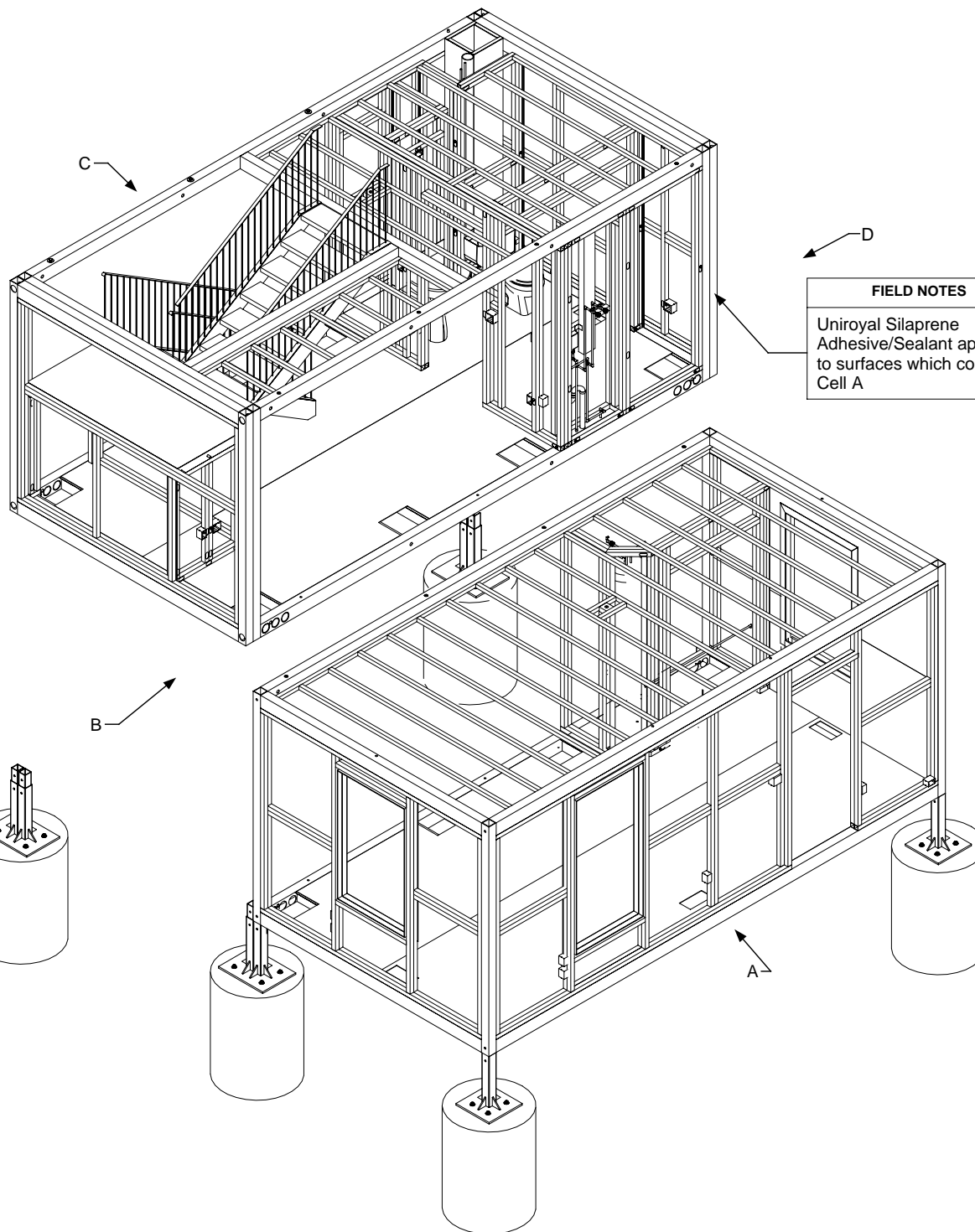


#### DRAWING

Site Assembly  
Cell A  
View A & B  
Installation-Cell to foundation  
Cell mounted  
Exterior view  
Finished checklist

DESIGNED BY: Hartford

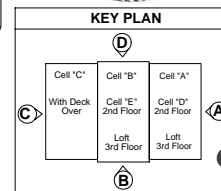
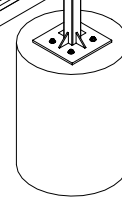
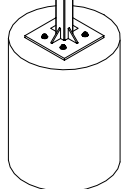
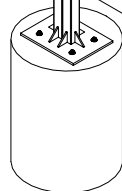
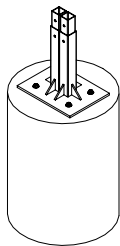
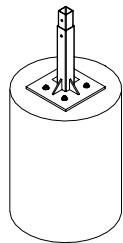




**FIELD NOTES**

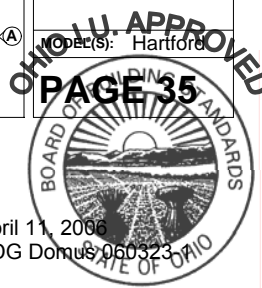
Uniroyal Silaprene  
Adhesive/Sealant applied  
to surfaces which contact  
Cell A

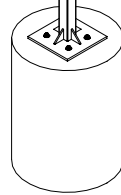
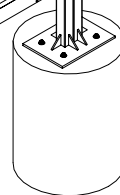
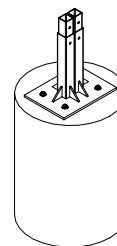
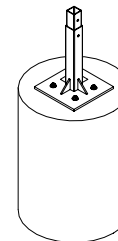
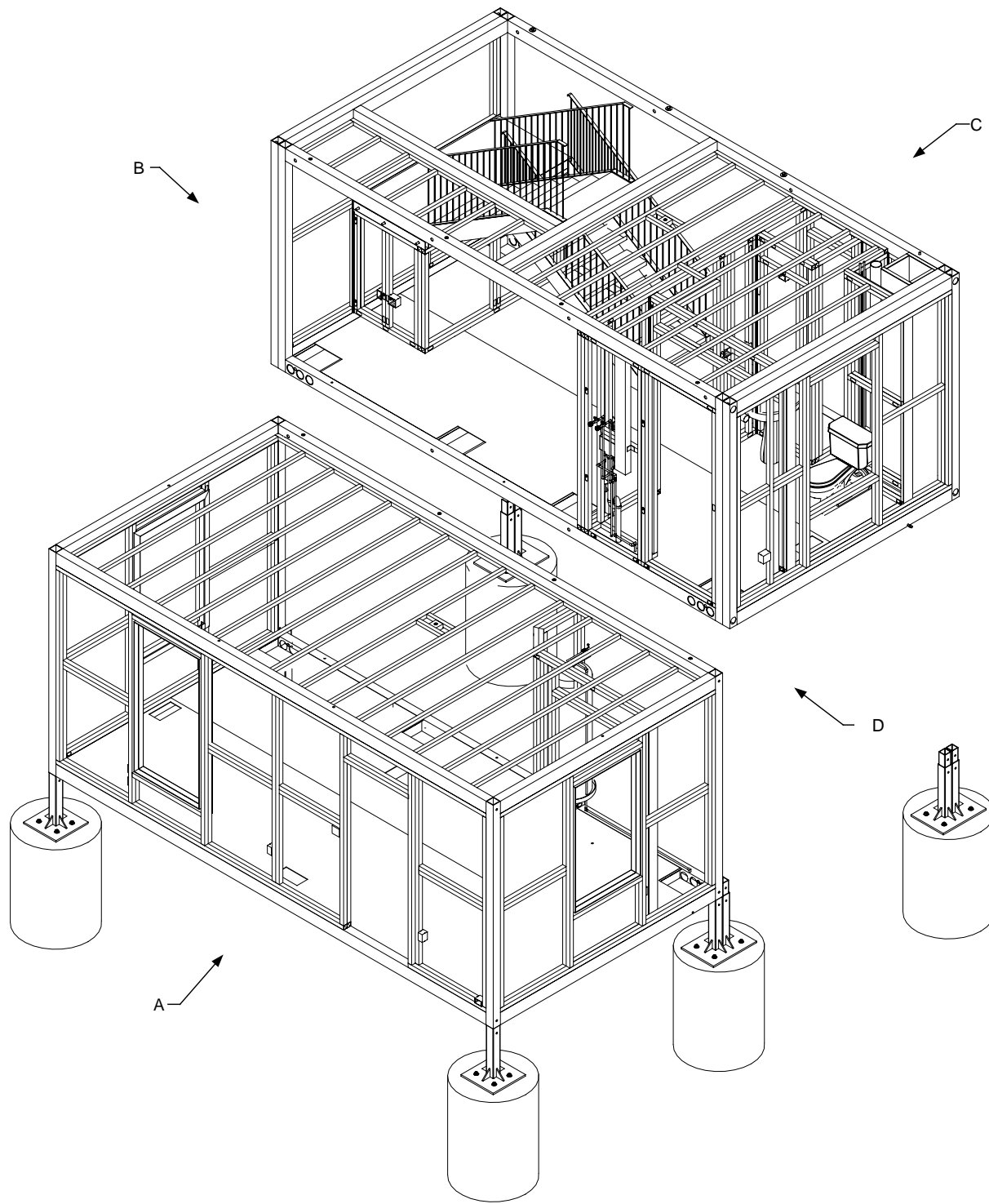
QA Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to frame
	Bolts and Nuts installed
	Bolt/Nut Count - 12
	Water Tank reconnection
	Plumbing test
	Electrical reconnection
	Electrical test
	Edges between cell are filled with Weld-On Sealant
	Plaster work: Embed elastomeric plaster and tape
	Adhesive/Sealant applied to exterior edges between Cell



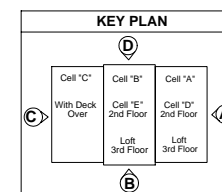
**DRAWING**

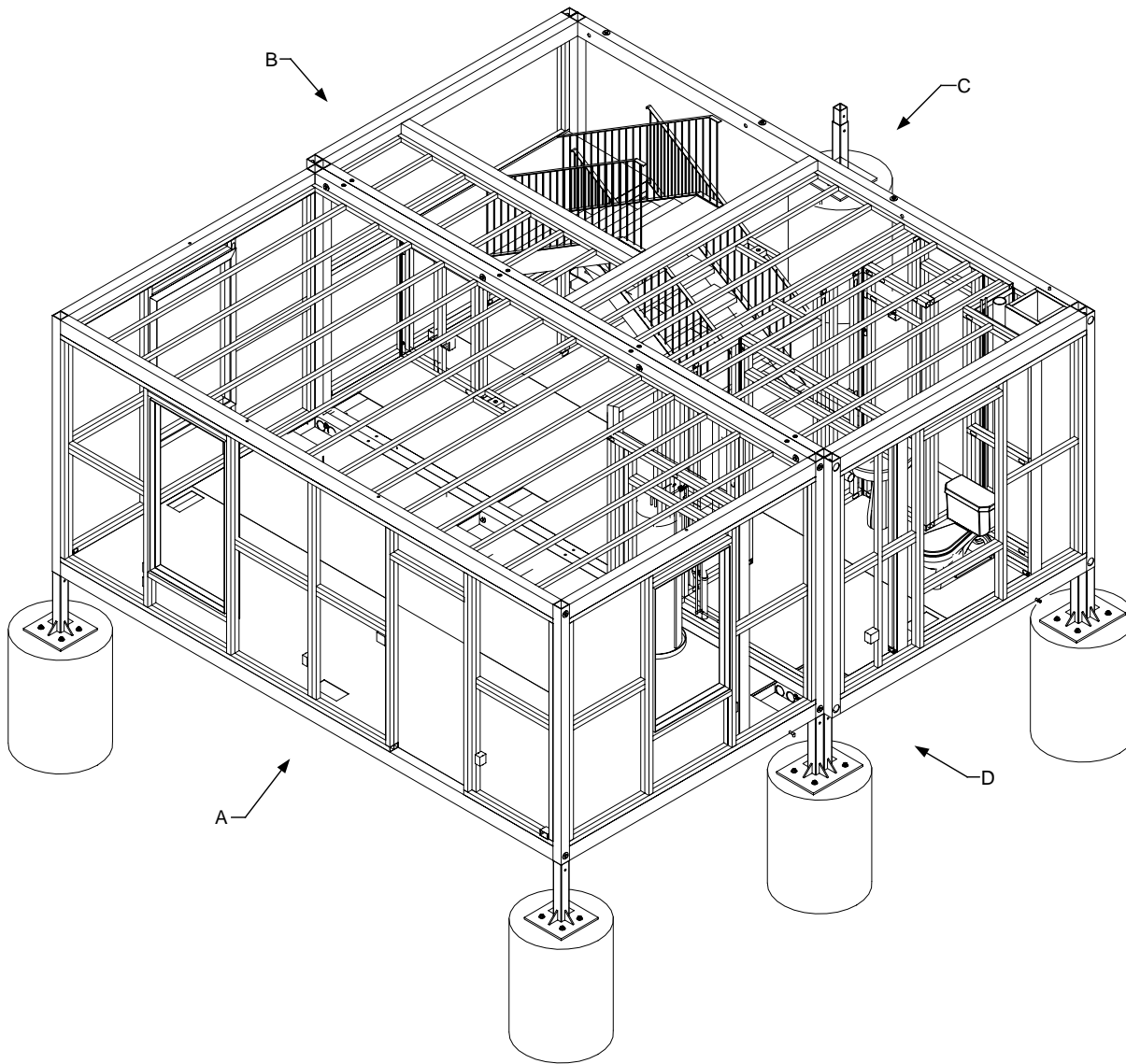
Site Assembly  
Cell B  
View A & B  
Installation-Cell to  
foundation  
Setting cell



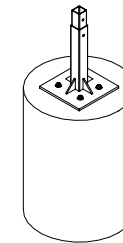


DRAWING  
Site Assembly  
Cell B  
View A & D  
Installation-Cell to  
foundation  
Setting cell



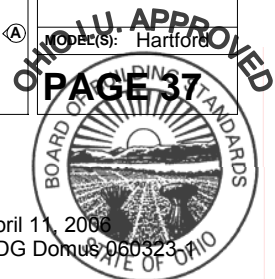
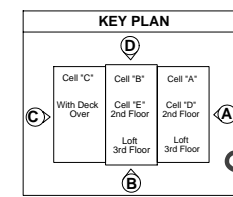


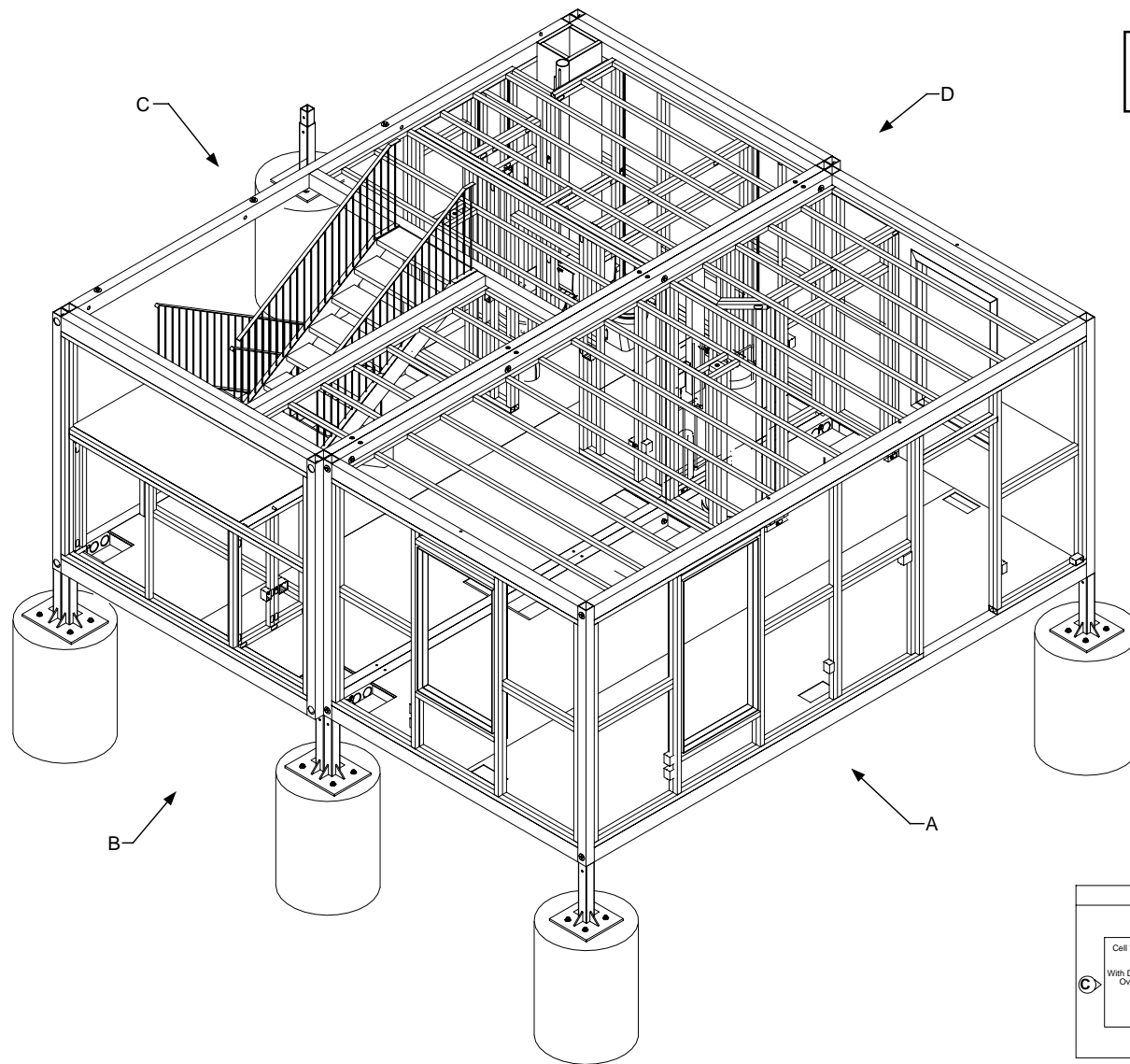
**Open back staircase:**  
Riser opening is 3 7/8" after floor covering is applied.



**DRAWING**

Site assembly  
Cell B  
View A & D  
Installation-Cell to foundation  
Cell mounted





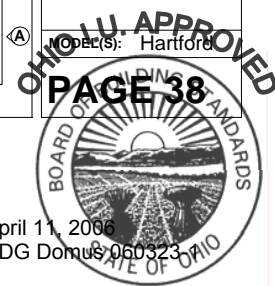
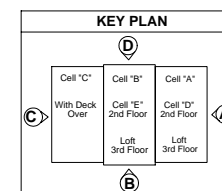
**Open back staircase:**  
Riser opening is 3 7/8" after floor covering is applied.



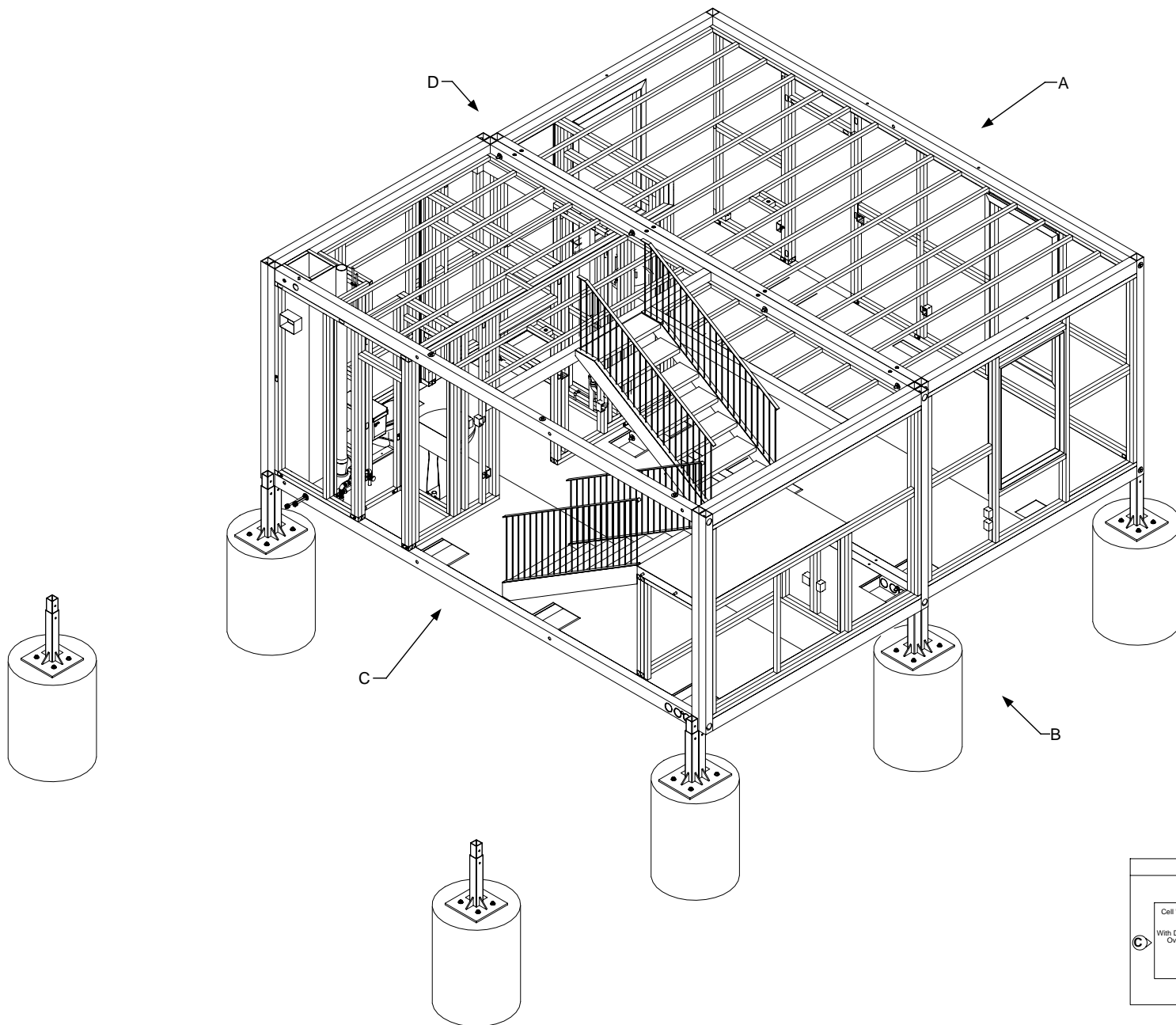
**DRAWING**

Site Assembly  
Cell B  
View A & B  
Installation-Cell to foundation  
Cell mounted

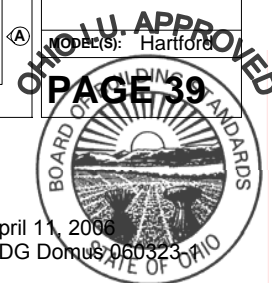
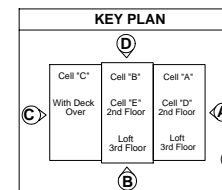
DESIGNED BY: Hartford  
CHECKED BY: Hartford

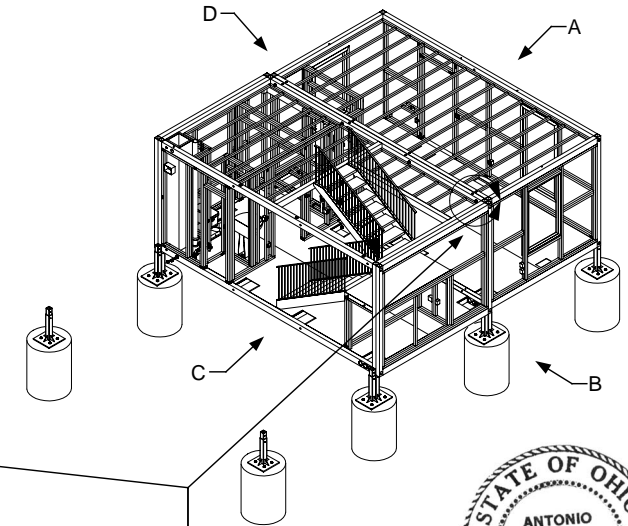
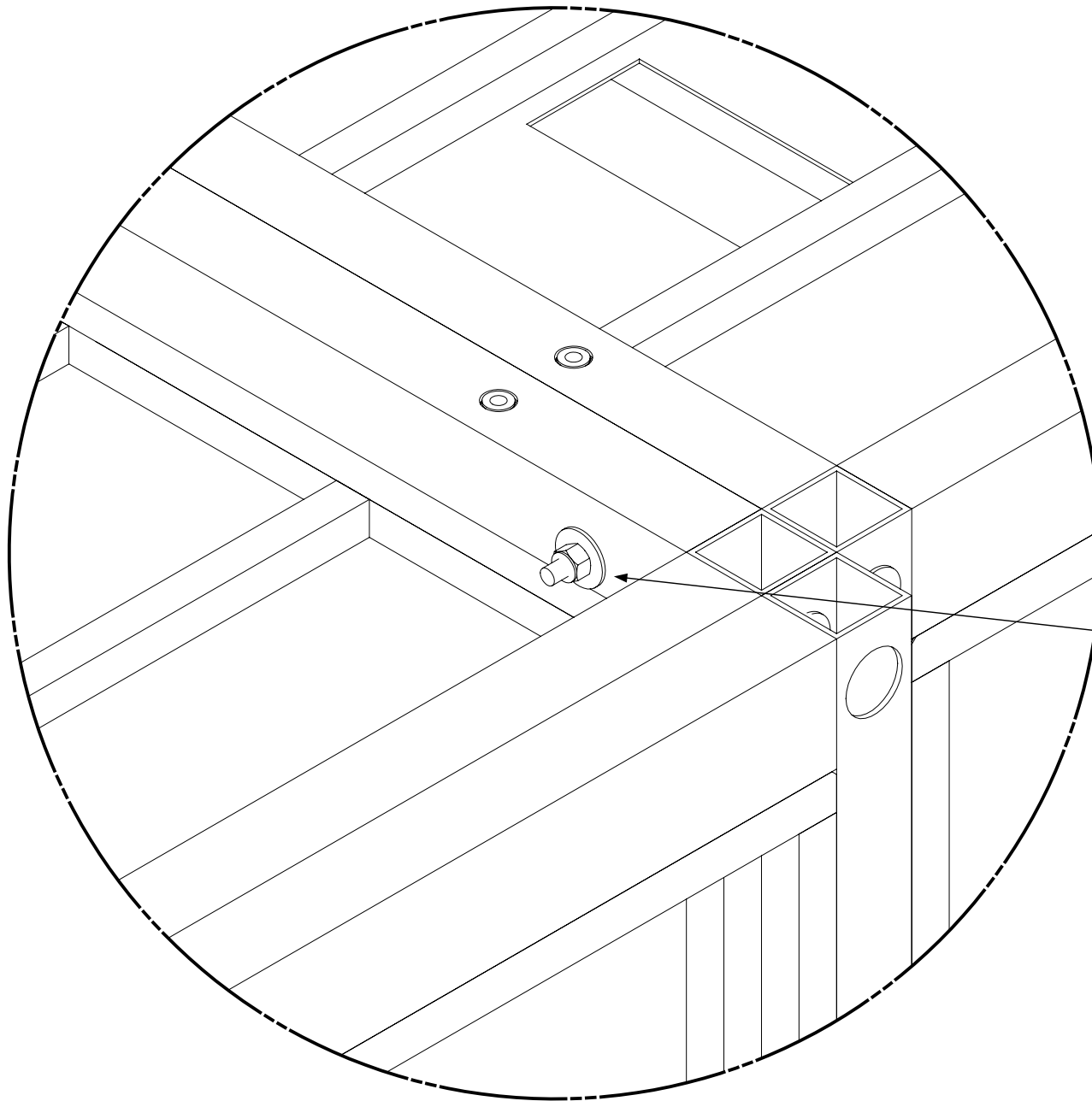






DRAWING  
Site Assembly  
Cell B  
View B & C  
Installation-Cell to  
foundation  
Cell mounted





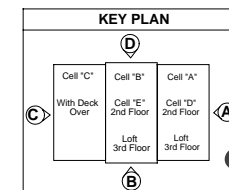
#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.



#### DRAWING

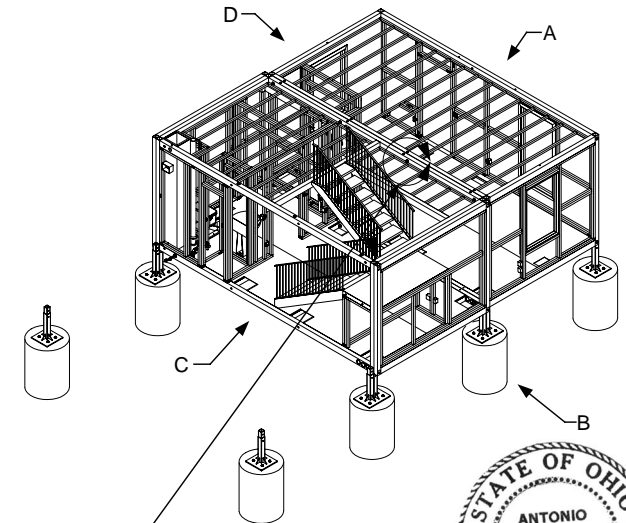
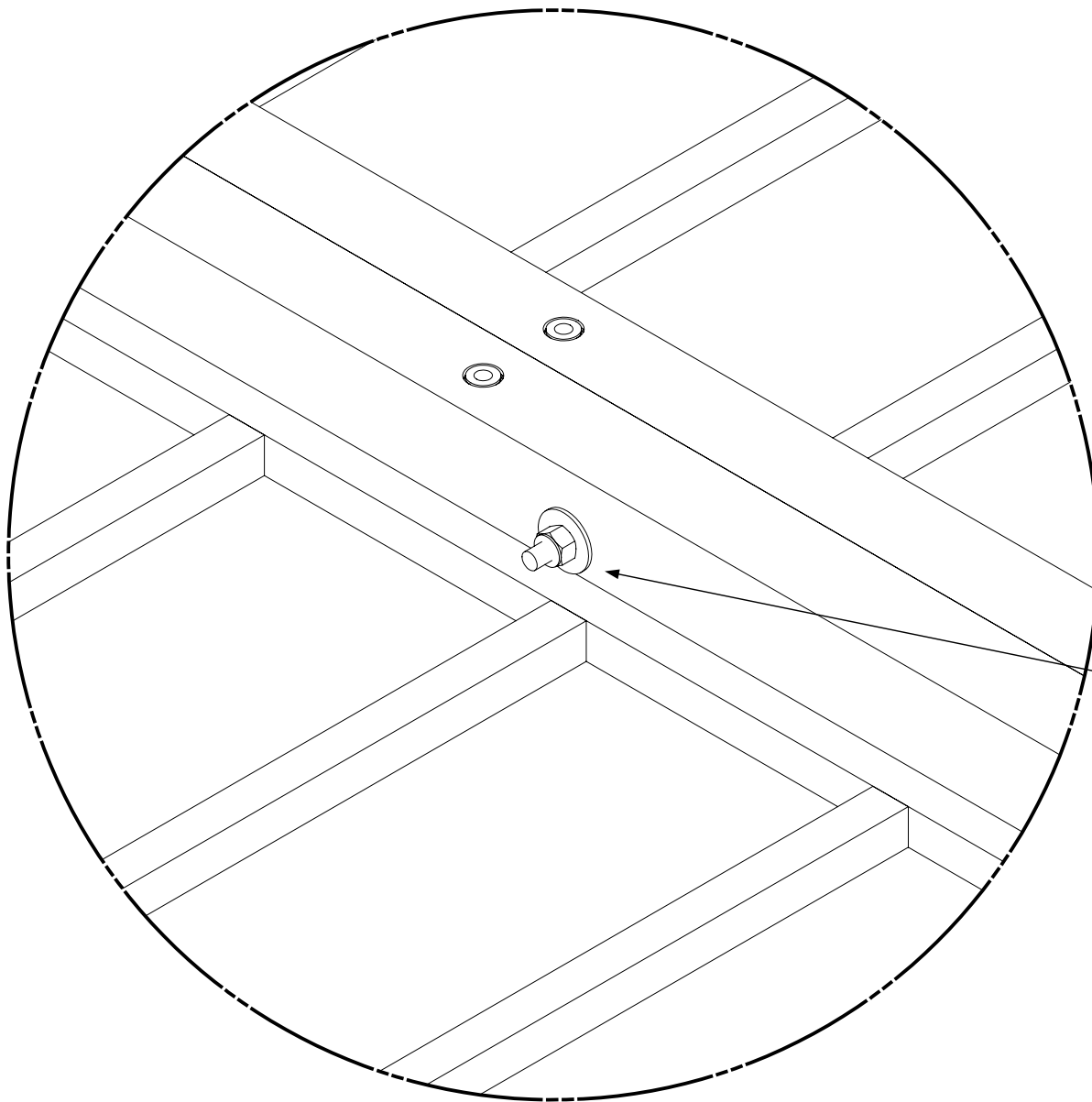
Site Assembly  
Cell B  
View B & C  
Installation-Bolts  
Detail 5



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PAGE 40  
Hartford





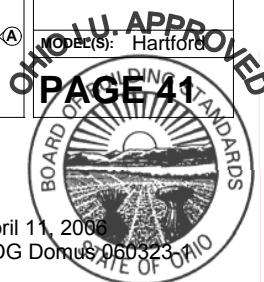
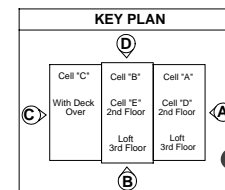


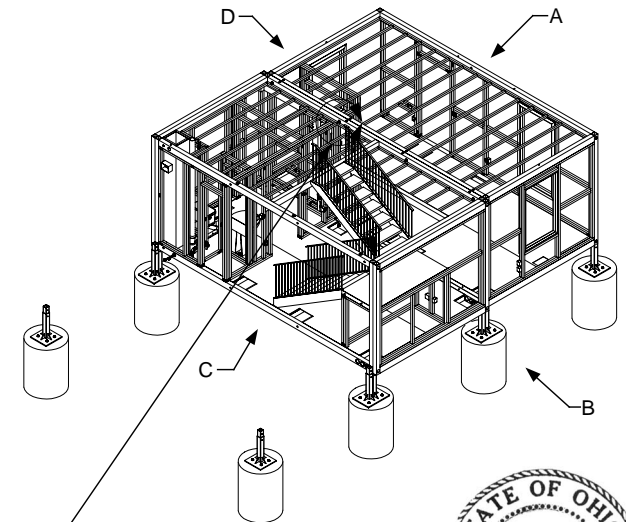
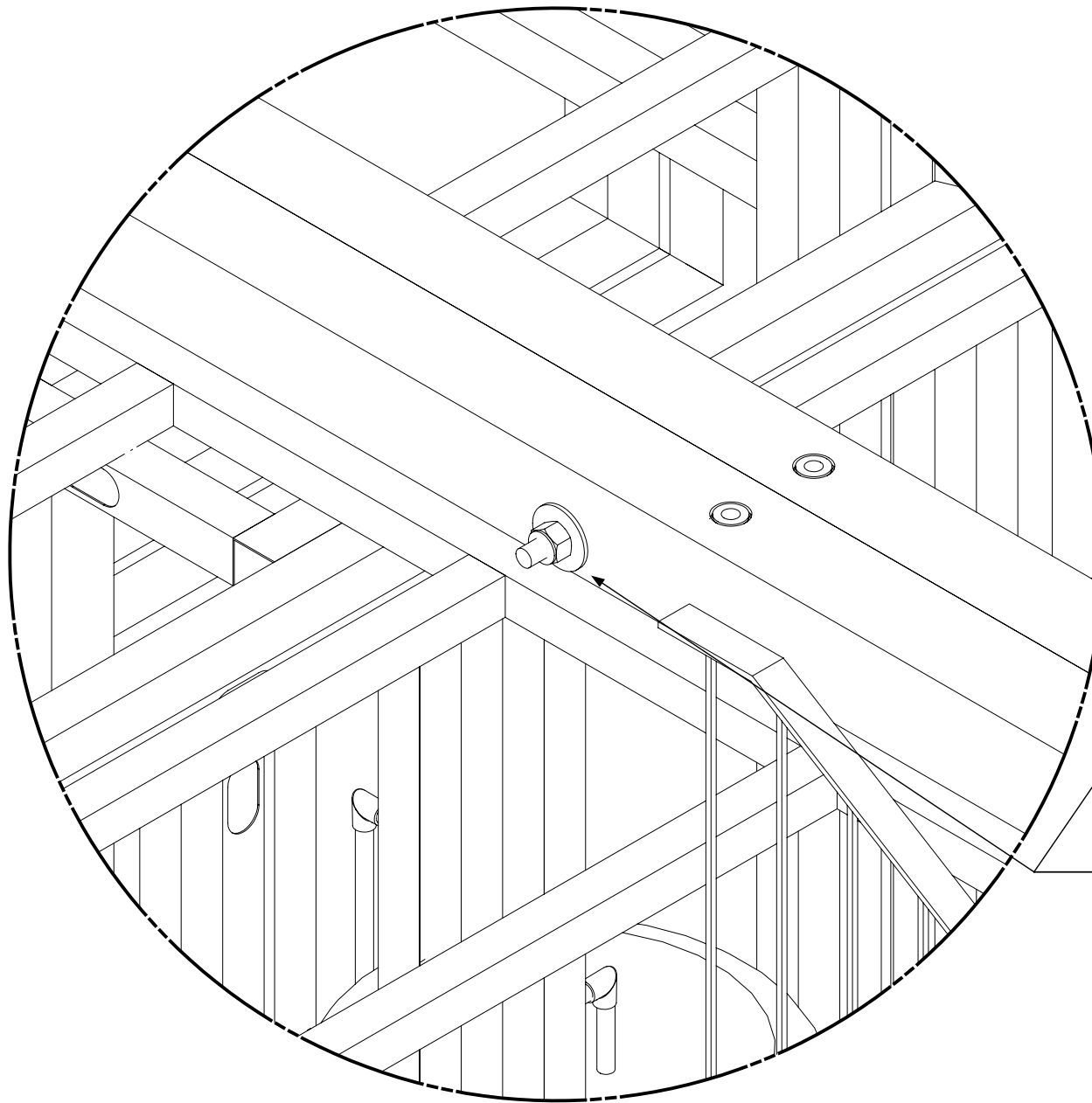
#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.

#### DRAWING

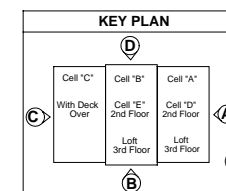
Site Assembly  
Cell B  
View B & C  
Installation-Bolts  
Detail 6





**FIELD NOTES**

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.

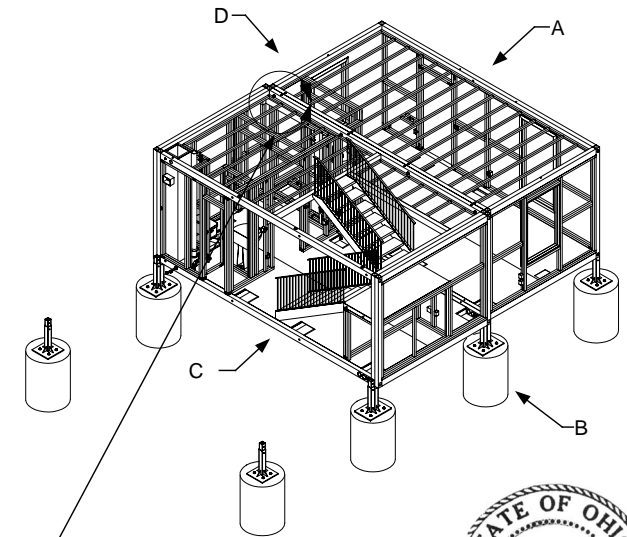
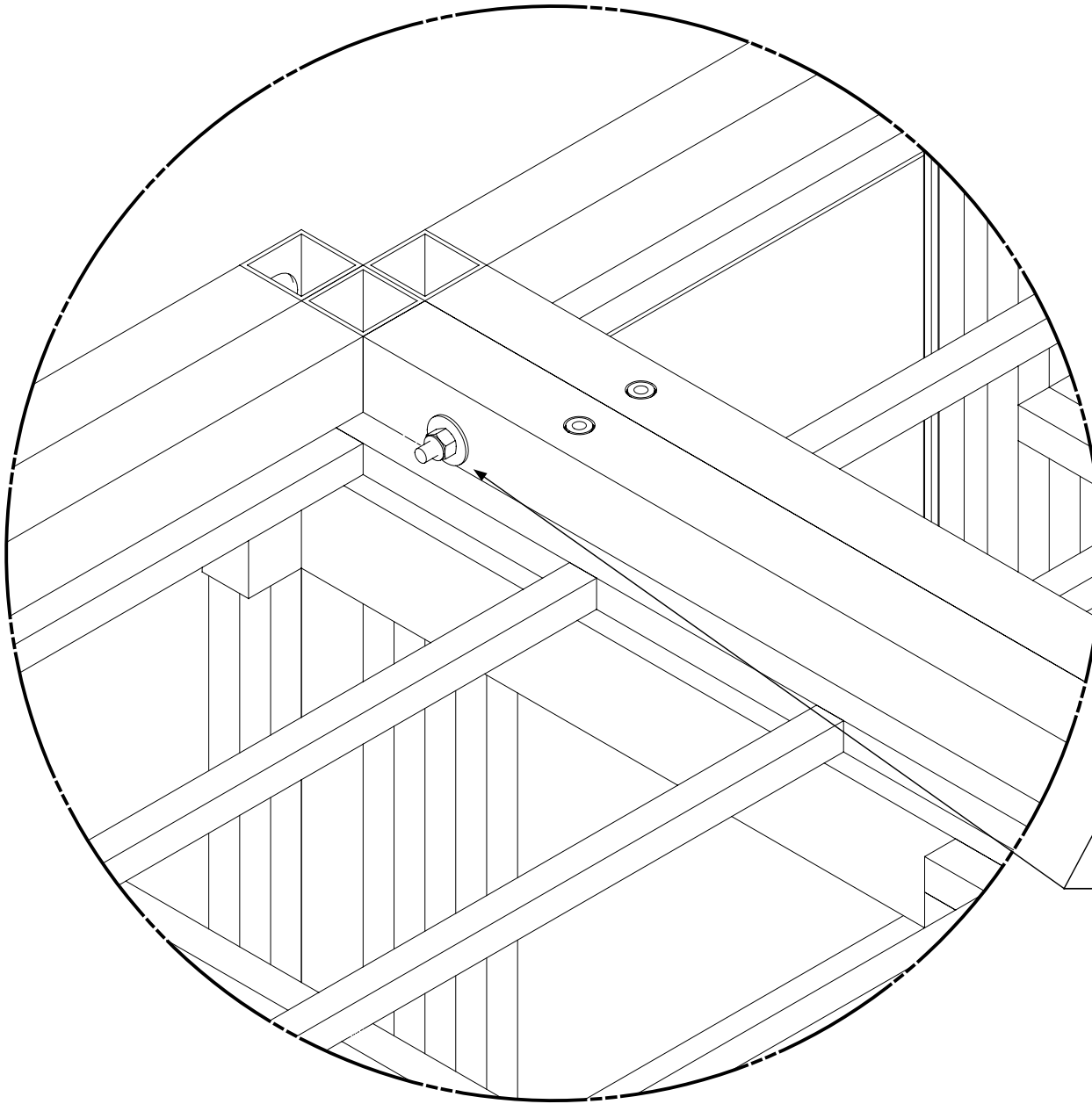


**DRAWING**

Site Assembly  
Cell B  
View B & C  
Installation-Bolts  
Detail 7

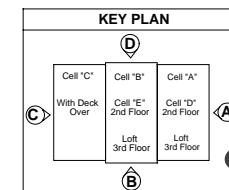
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PAGE 42  
DESIGNED BY: Hartford





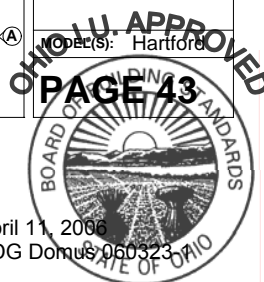
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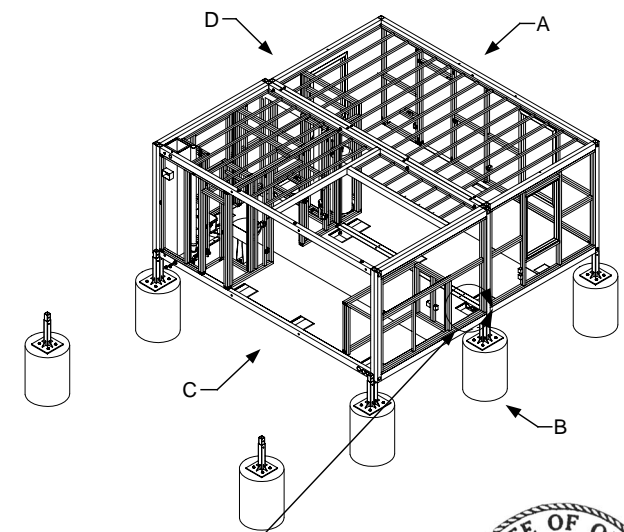
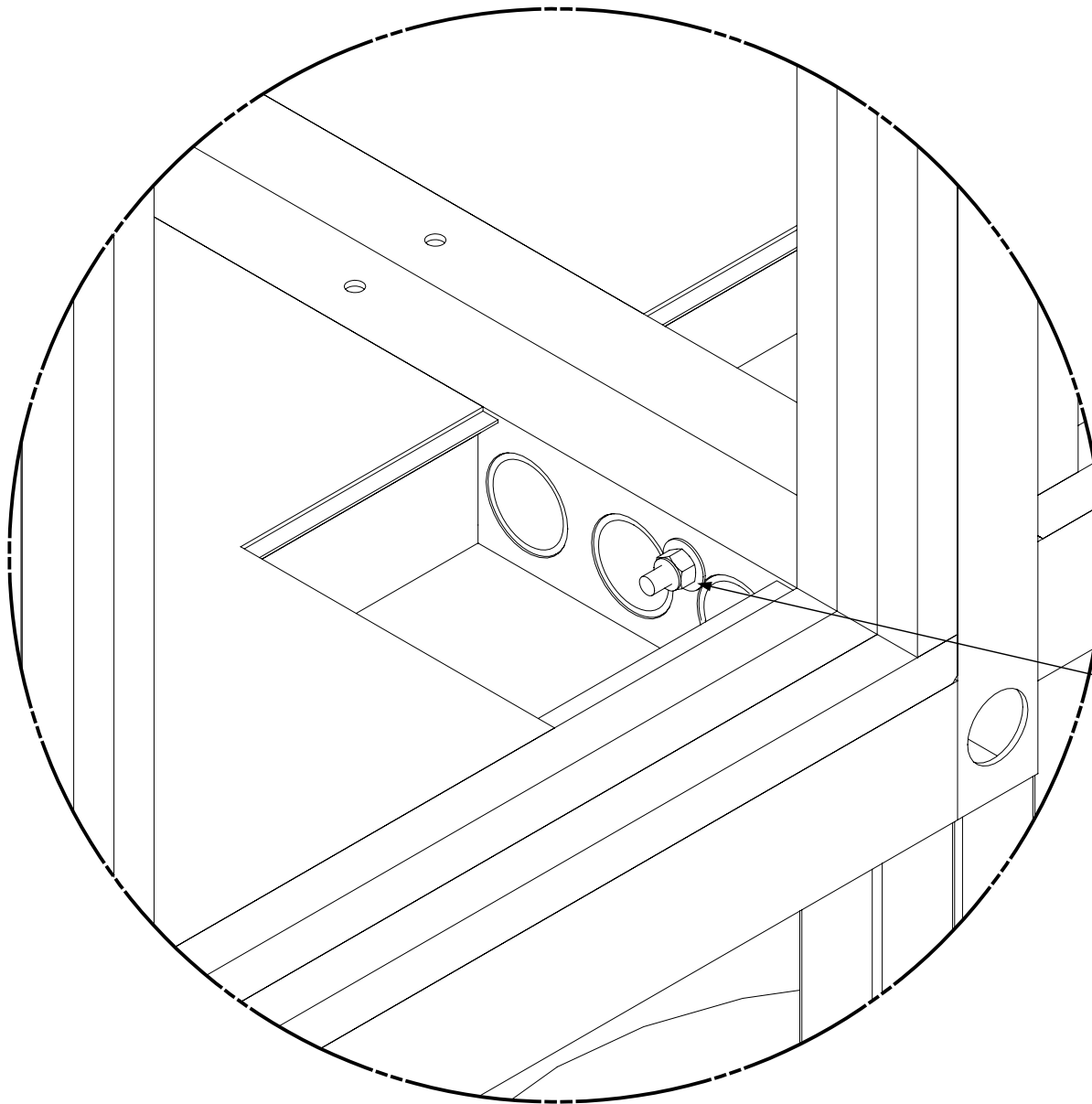
Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.



**DRAWING**

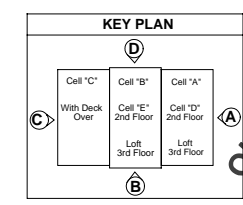
Site Assembly  
Cell B  
View B & C  
Installation-Bolts  
Detail 8





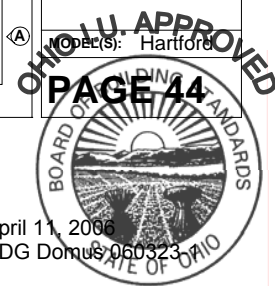
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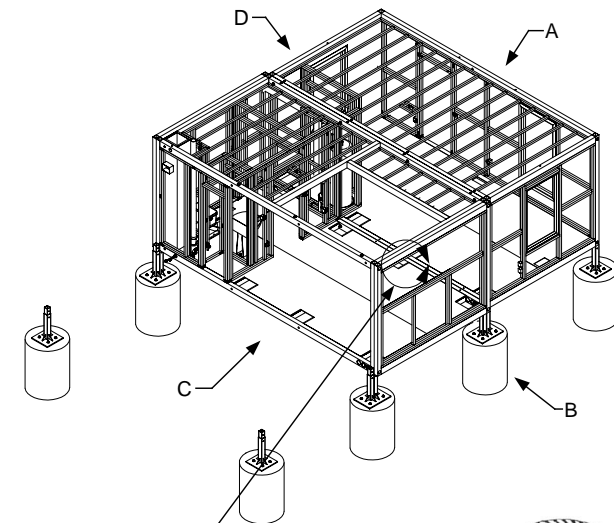
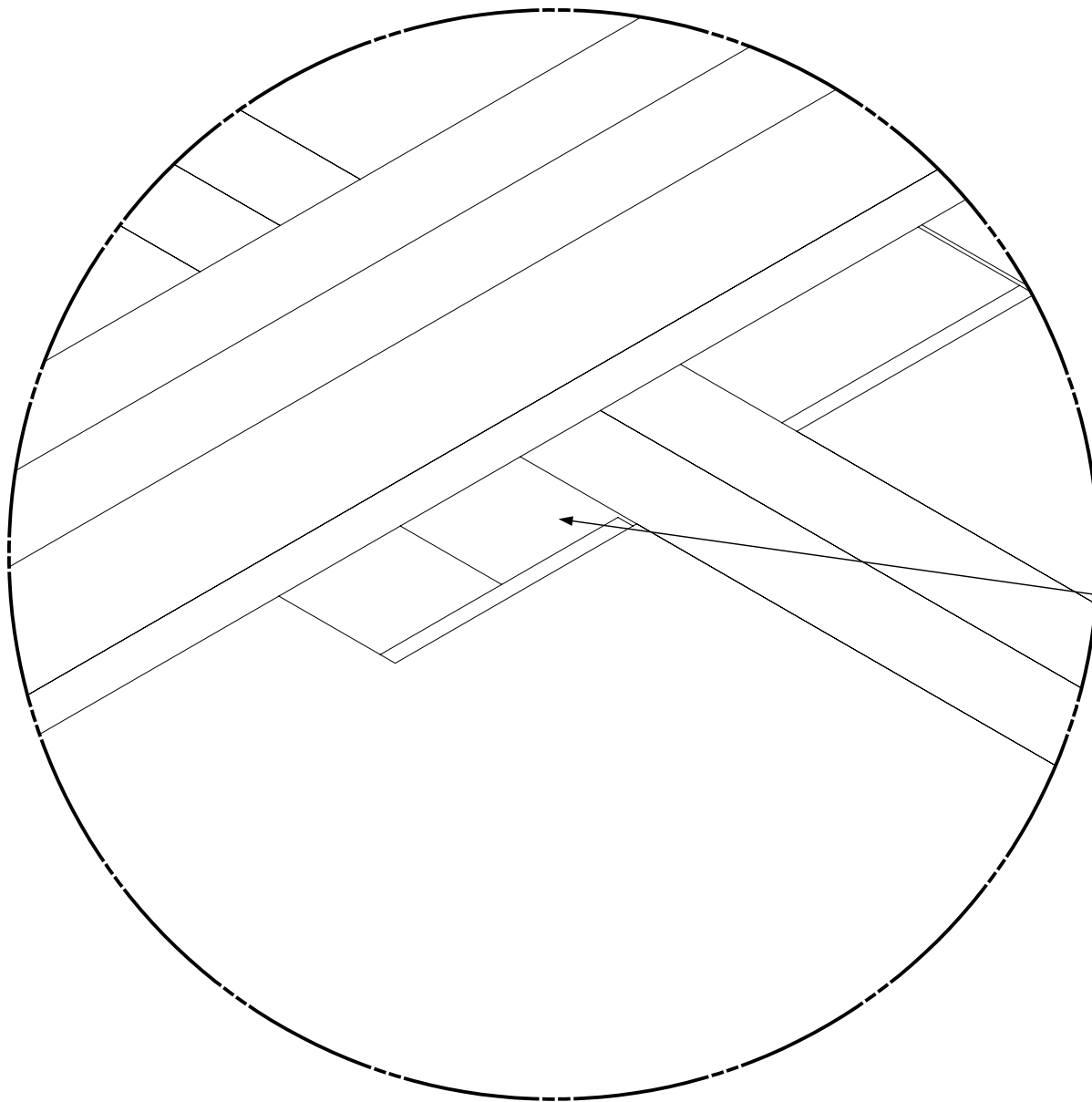
Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 9 1/2"  
 Bolts, torqued to minimum of 20 ft. lbs.



**DRAWING**

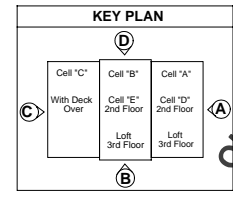
Site Assembly  
 Cell B  
 View B & C  
 Installation-Bolts  
 Detail 9





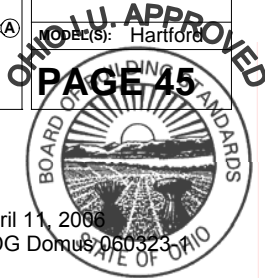
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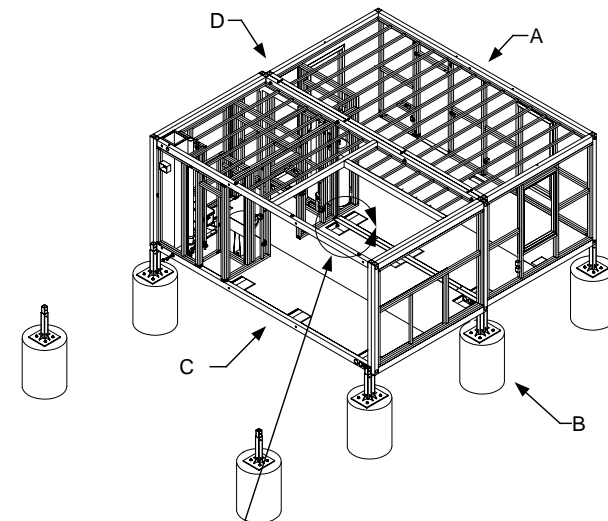
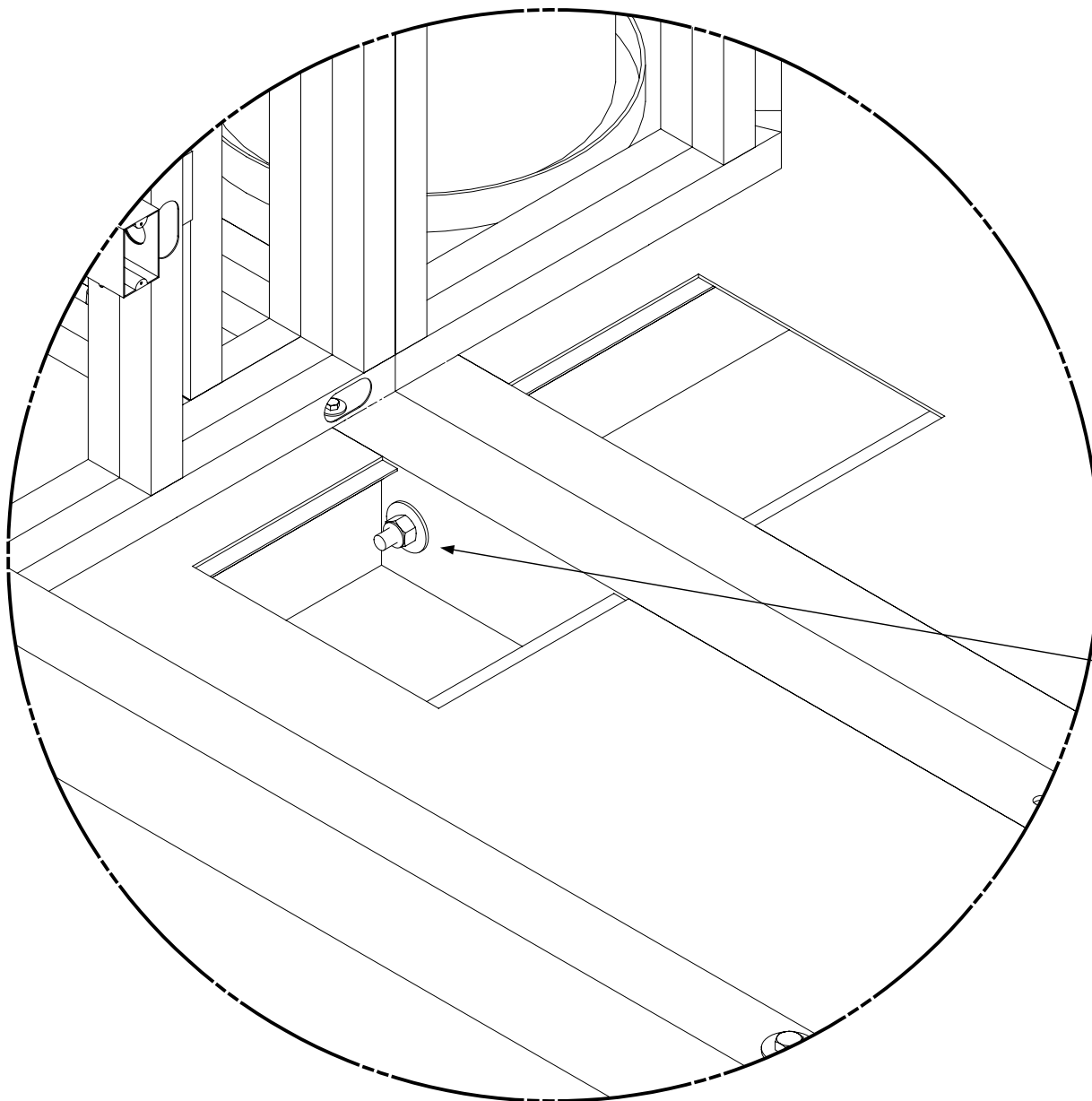
Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 9 1/2"  
 Bolts, torqued to minimum of 20 ft. lbs.



**DRAWING**

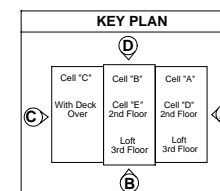
Site Assembly  
 Cell B  
 View B & C  
 Installation-Bolts  
 Detail 10





**FIELD NOTES**

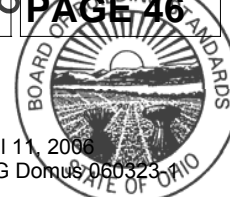
Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.



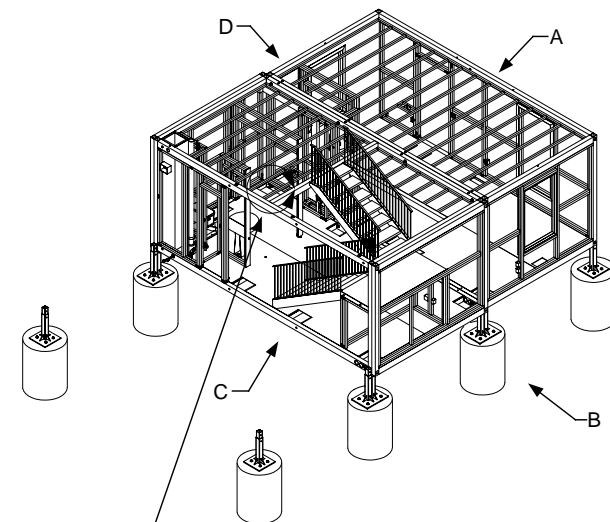
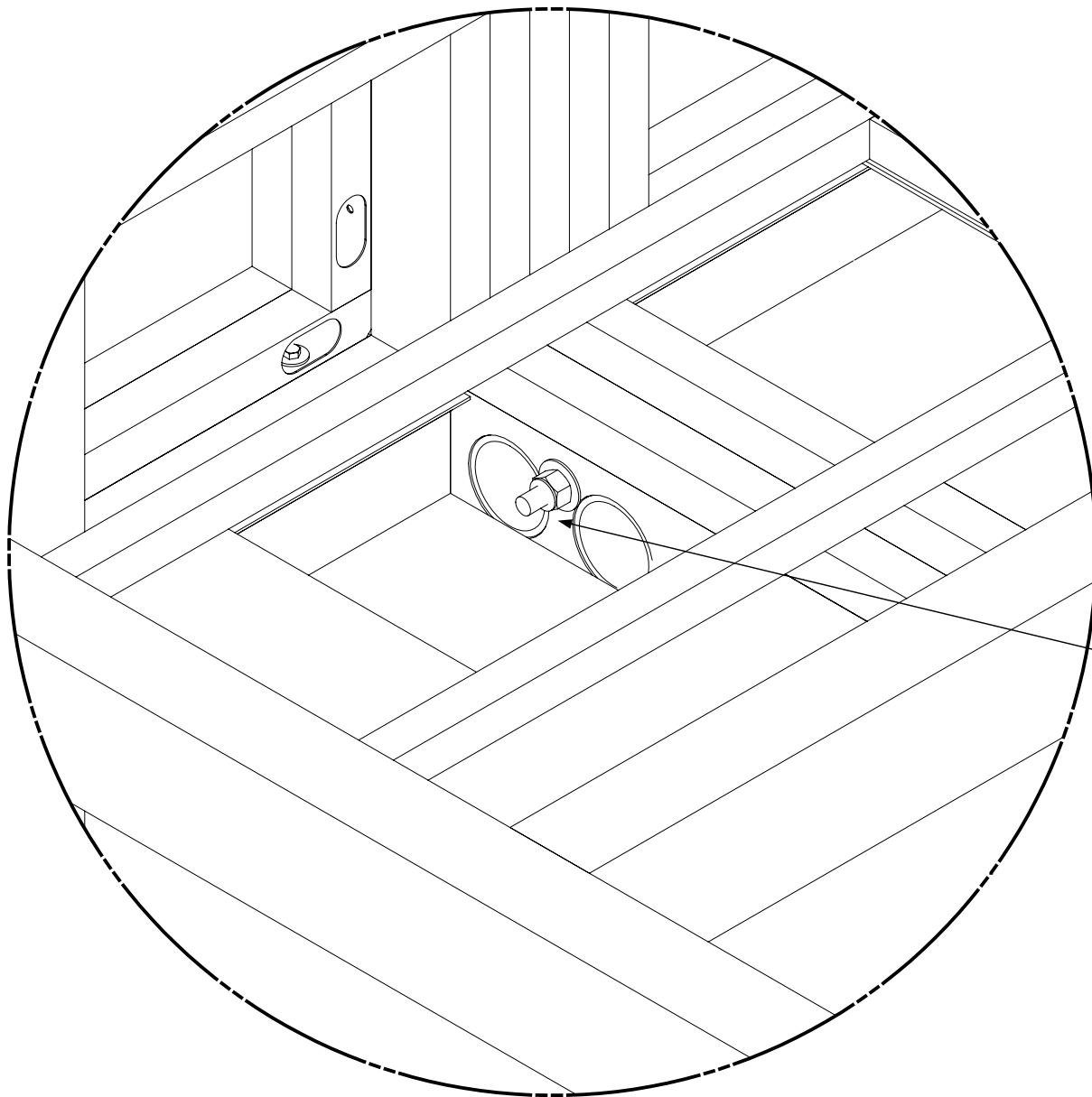
**DRAWING**

Site Assembly  
Cell B  
View B & C  
Installation-Bolts  
Detail 11

APPROVED  
DATE: 4/11/06  
BY: Hartford







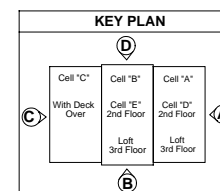
#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.



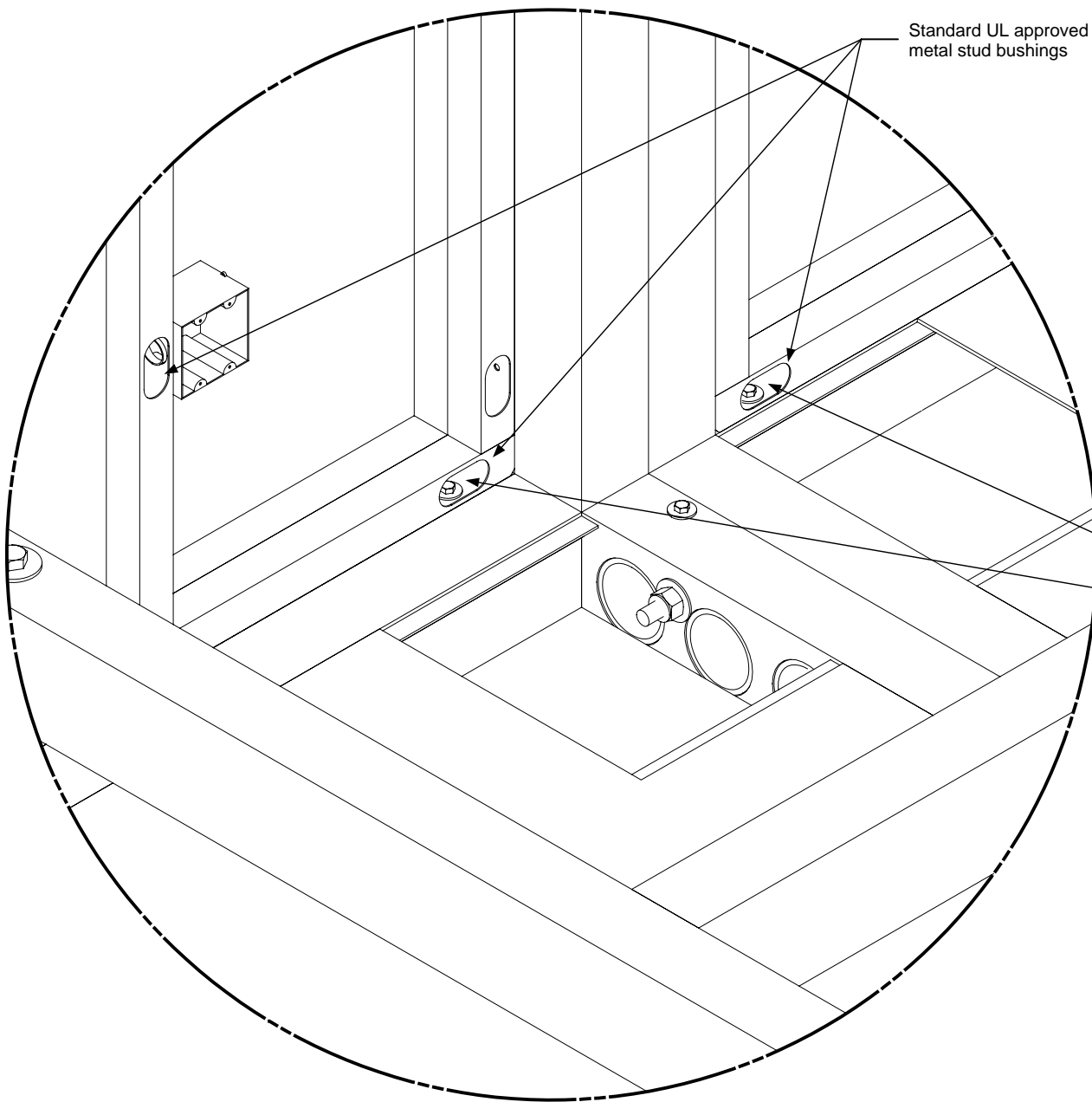
#### DRAWING

Site Assembly  
Cell B  
View B & C  
Installation-Bolts  
Detail 12

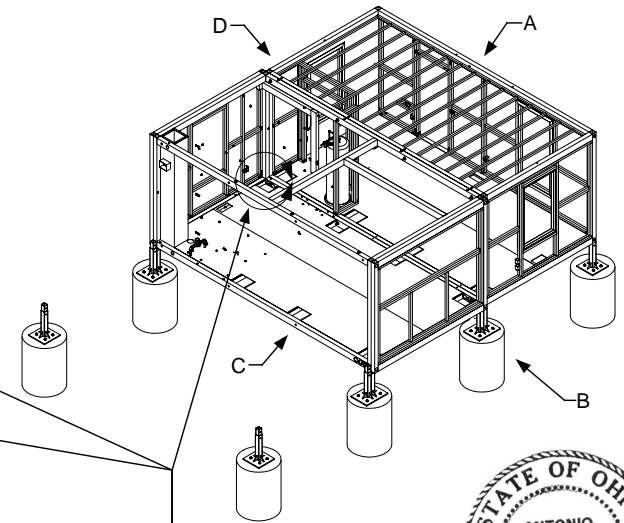


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Standard UL approved  
metal stud bushings



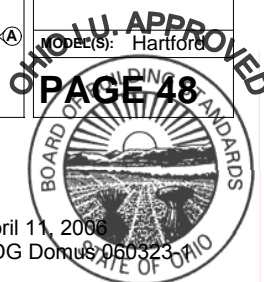
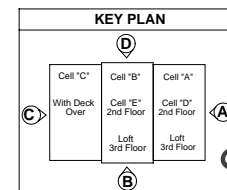
#### FIELD NOTES

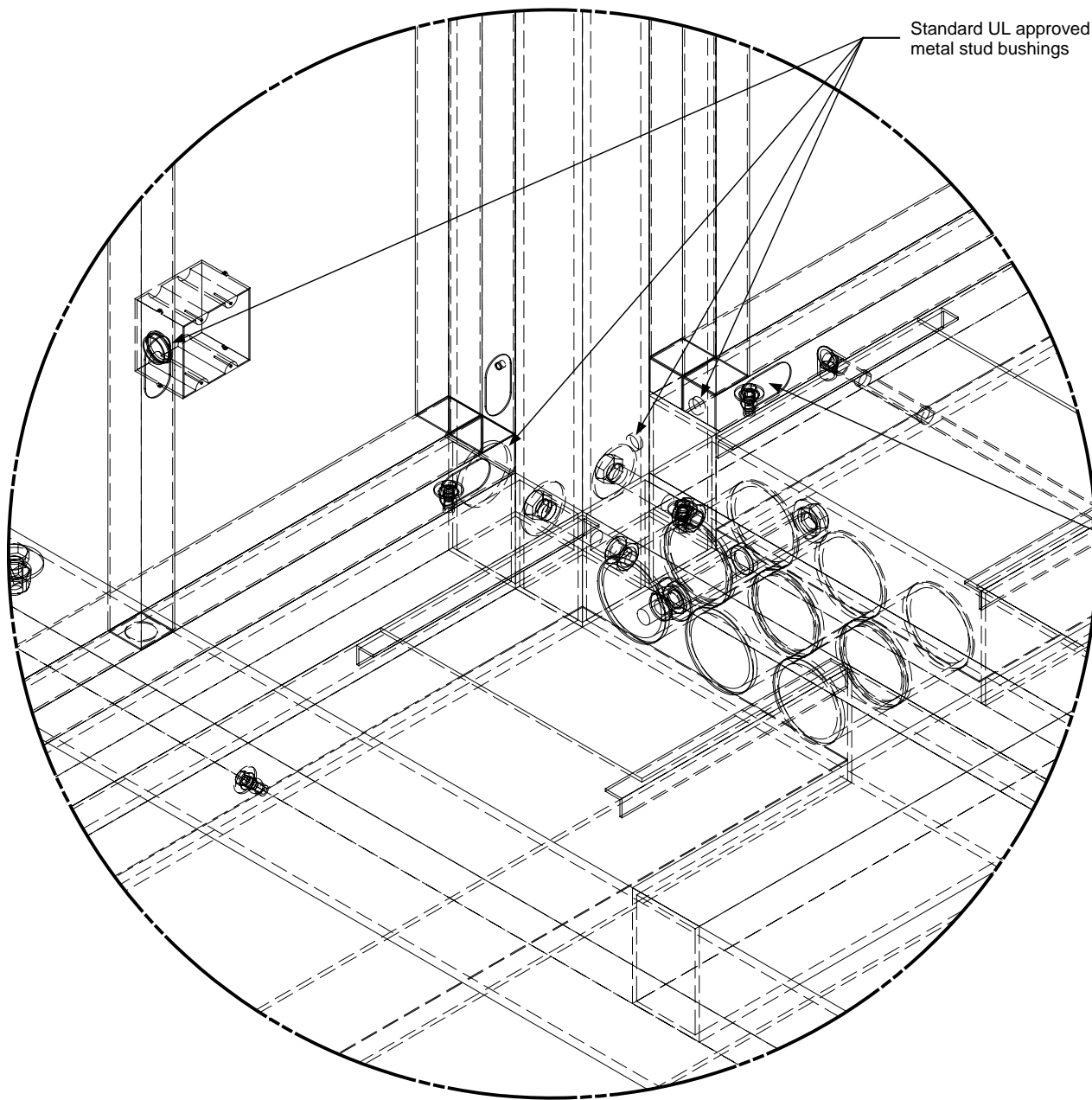
Electrical Reconnection Point  
Reconnection: Use of Molex UL approved  
COC-1 crossover 3/C connector.  
Ref: Electrical Application Manual



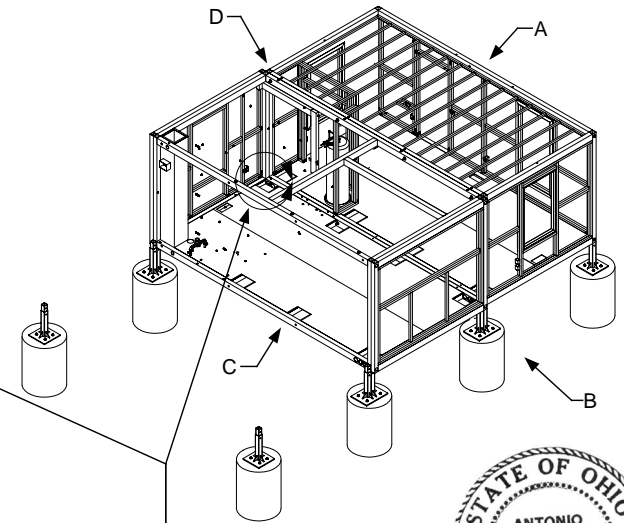
#### DRAWING

Site Assembly  
Cell B  
View B & C  
Electrical  
re-assembly  
Detail 14





Standard UL approved  
metal stud bushings



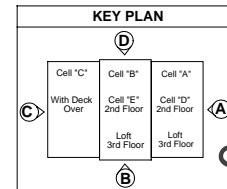
#### FIELD NOTES

Electrical Reconnection Point  
Reconnection: Use of Molex UL approved  
COC-1 crossover 3/C connector.  
Ref: Electrical Application Manual



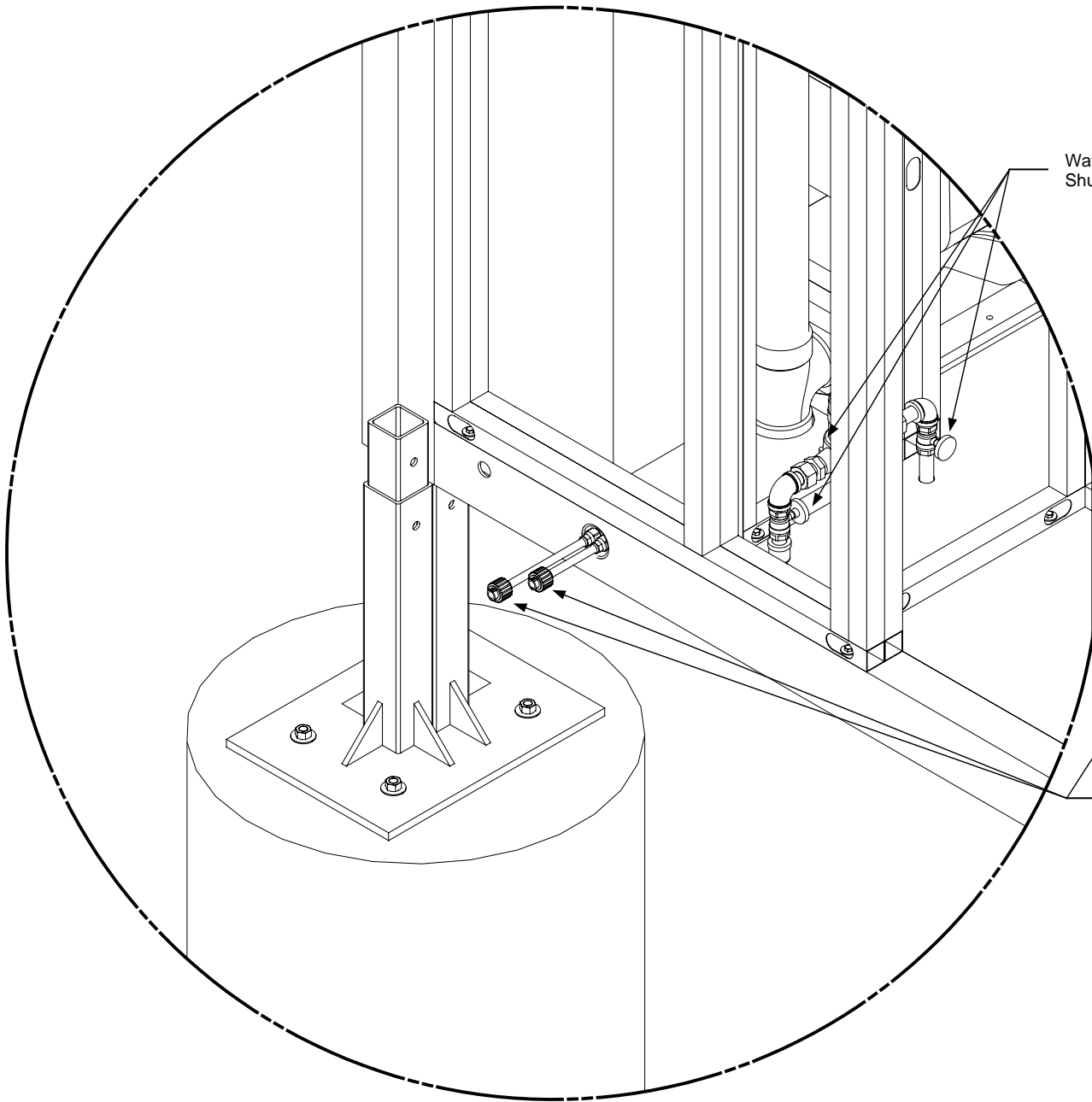
#### DRAWING

Site Assembly  
Cell B  
View B & C  
Electrical  
re-assembly  
Detail 14-1

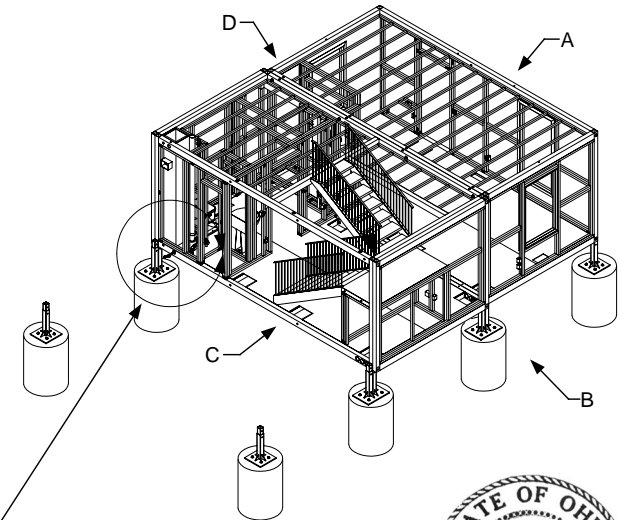


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Water Meter in house  
Shut off valve for Meter



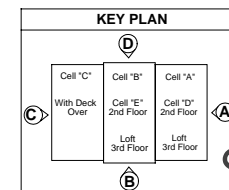
#### FIELD NOTES

Hot and Cold water line reconnection  
in Cell C, using unions. Pressure  
tested after reconnection.

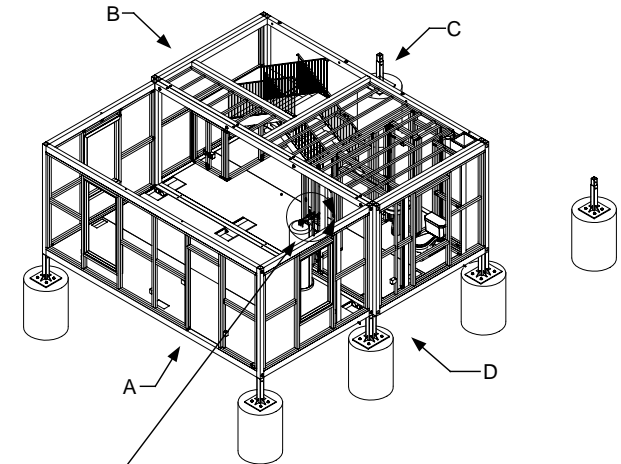
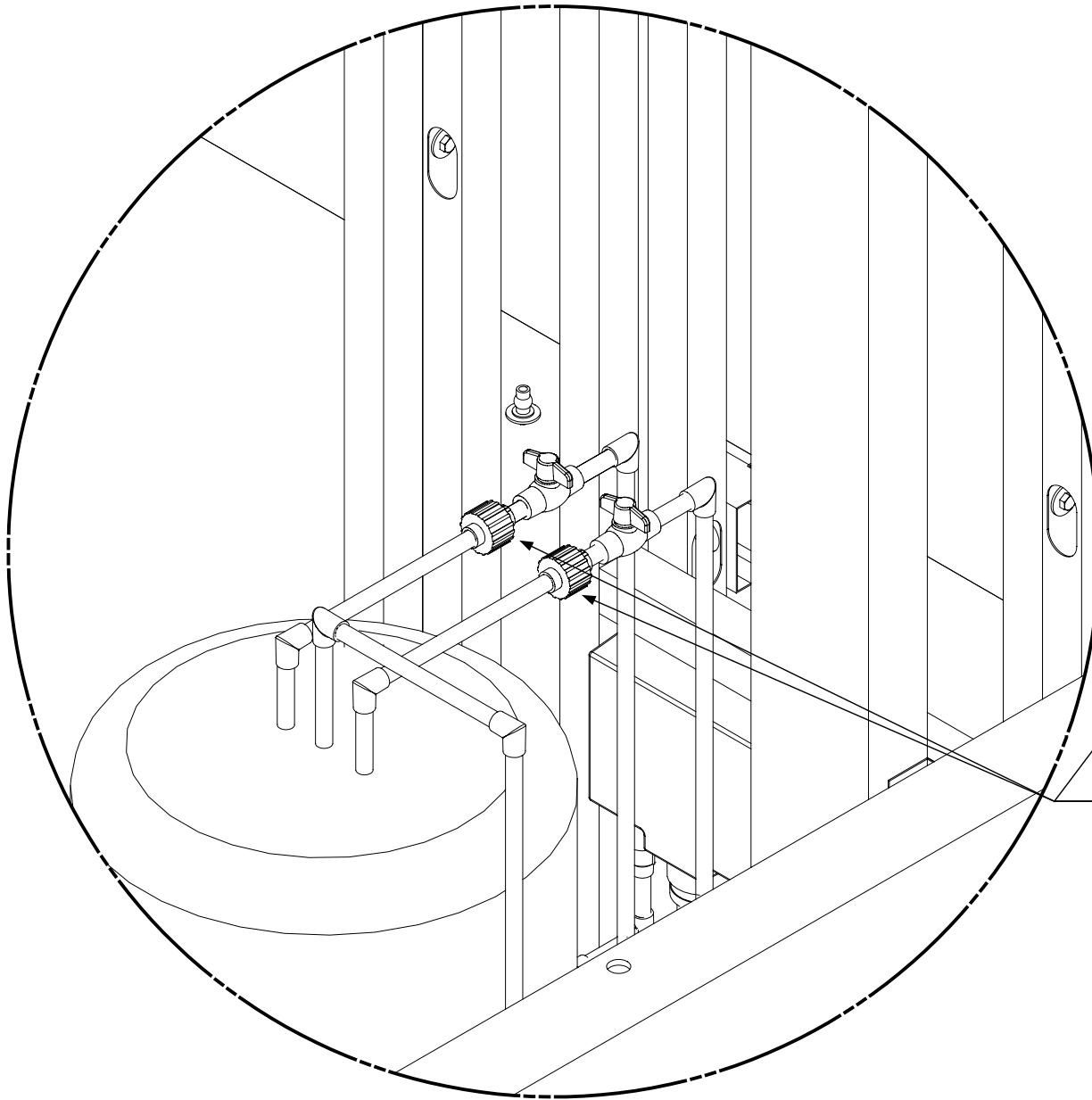


#### DRAWING

Site Assembly  
Cell B  
View B & C  
Installation-Cell to  
foundation  
Detail 1



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BOARD OF ARCHITECTURAL STANDARDS  
STATE OF OHIO



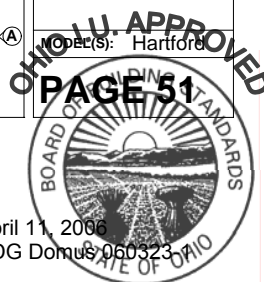
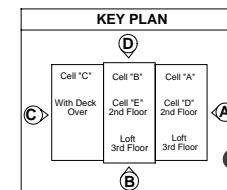
#### FIELD NOTES

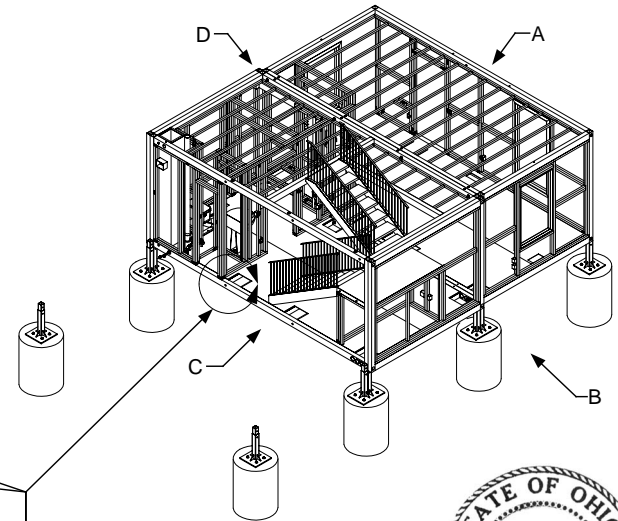
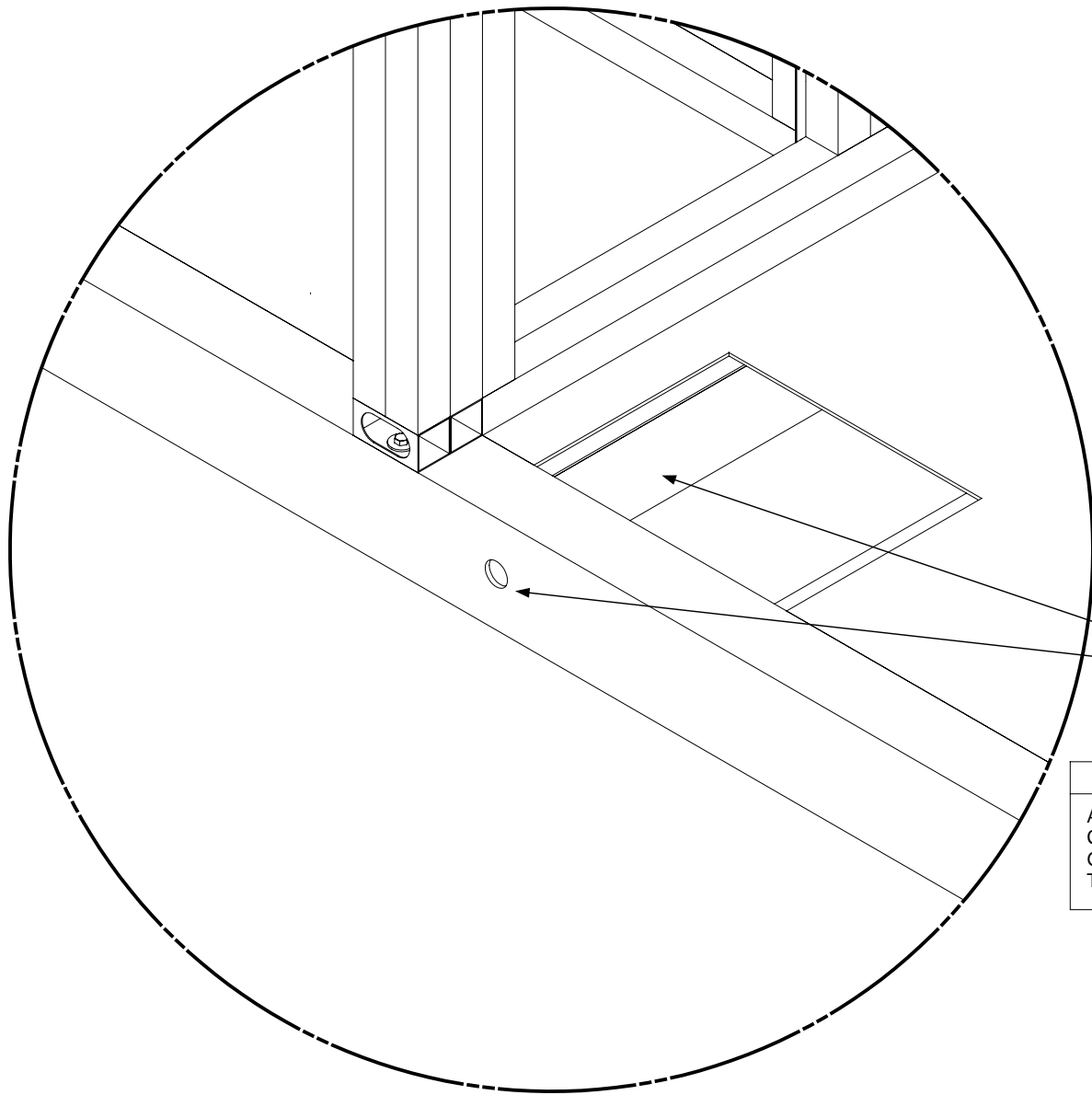
Water Tank is installed in factory,  
leaving only the union reconnection and  
pressure test.



#### DRAWING

Site Assembly  
Cell B  
View A & D  
Installation-Water  
tank  
Detail 13





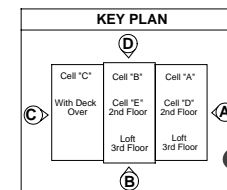
#### FIELD NOTES

Access Hatch: For installation of Cell Connectors  
Grade 5 Nut & Bolt 3/4" x 9 1/2"  
Torqued to minimum of 20 ft. lbs.



#### DRAWING

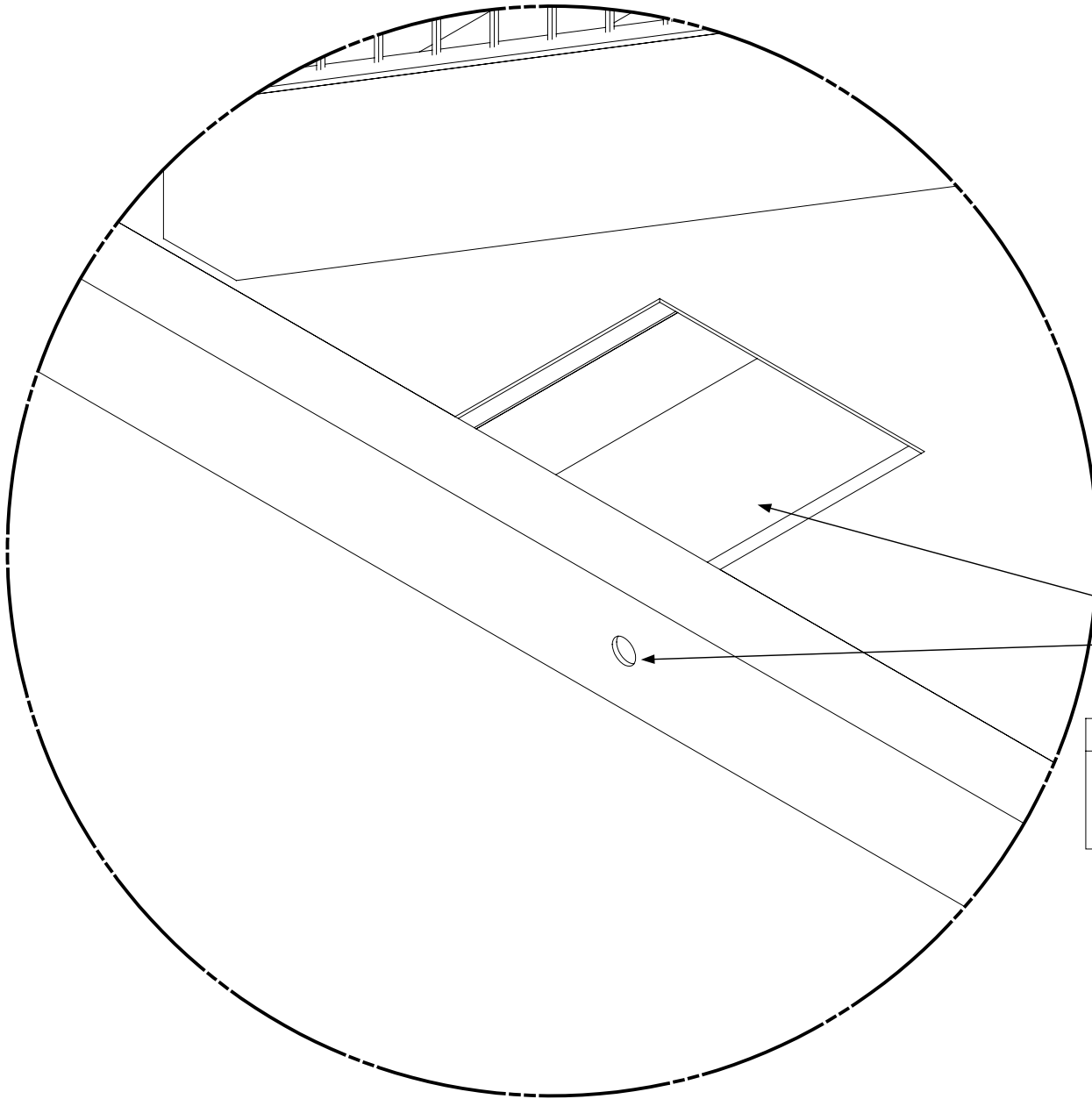
Site Assembly  
Cell B  
View B & C  
Installation-Cell to  
foundation  
Detail 2



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HARTFORD

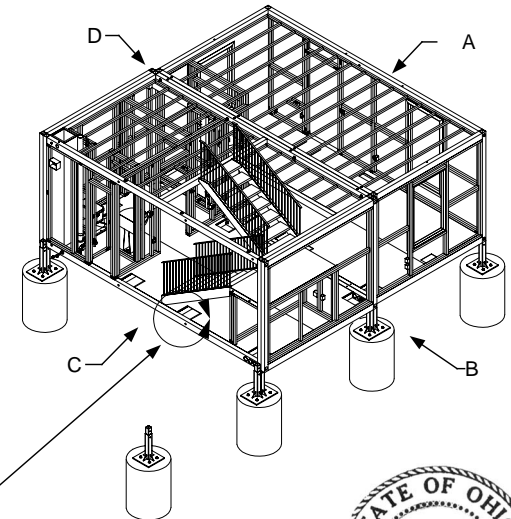






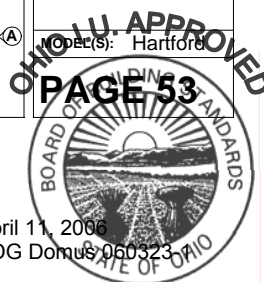
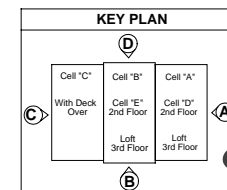
**FIELD NOTES**

Access Hatch: For installation of  
Grade 5 Nut & Bolt 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.

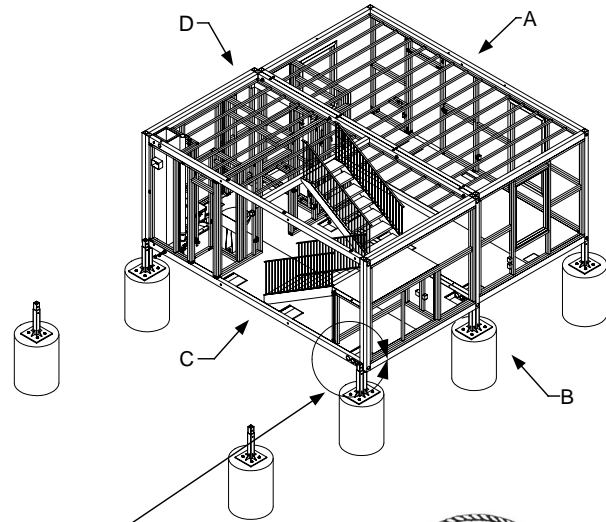
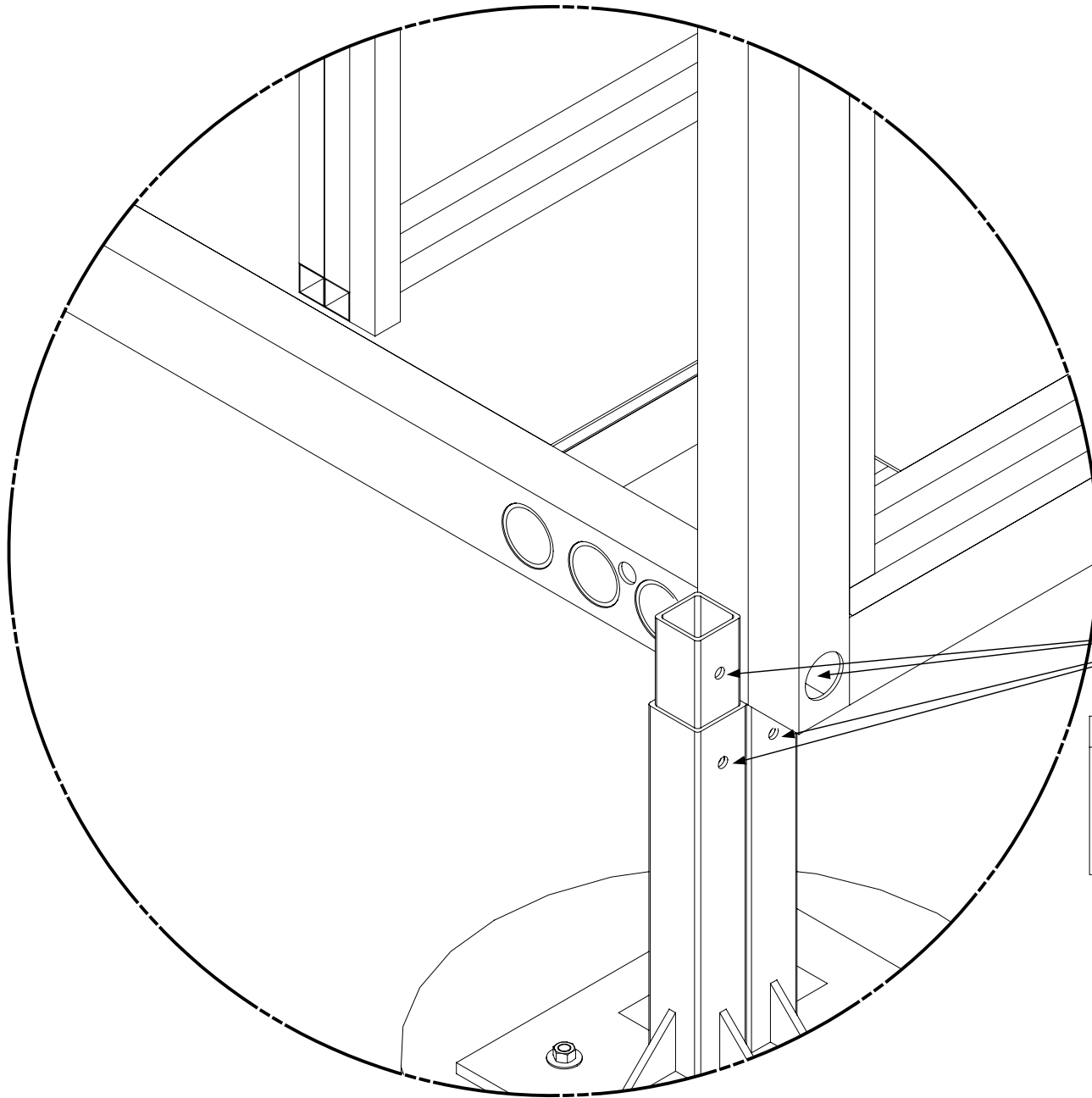


**DRAWING**

Site Assembly  
Cell B  
View B & C  
Installation-Cell to  
foundation  
Detail 3



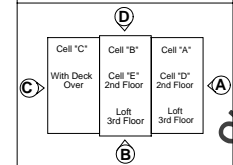




#### FIELD NOTES

Install 4 Intermediate Column  
Connector Fasteners  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts, torqued to minimum of 20 ft.  
lbs.

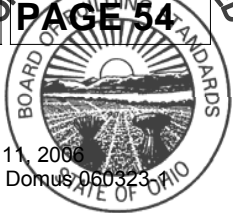
#### KEY PLAN



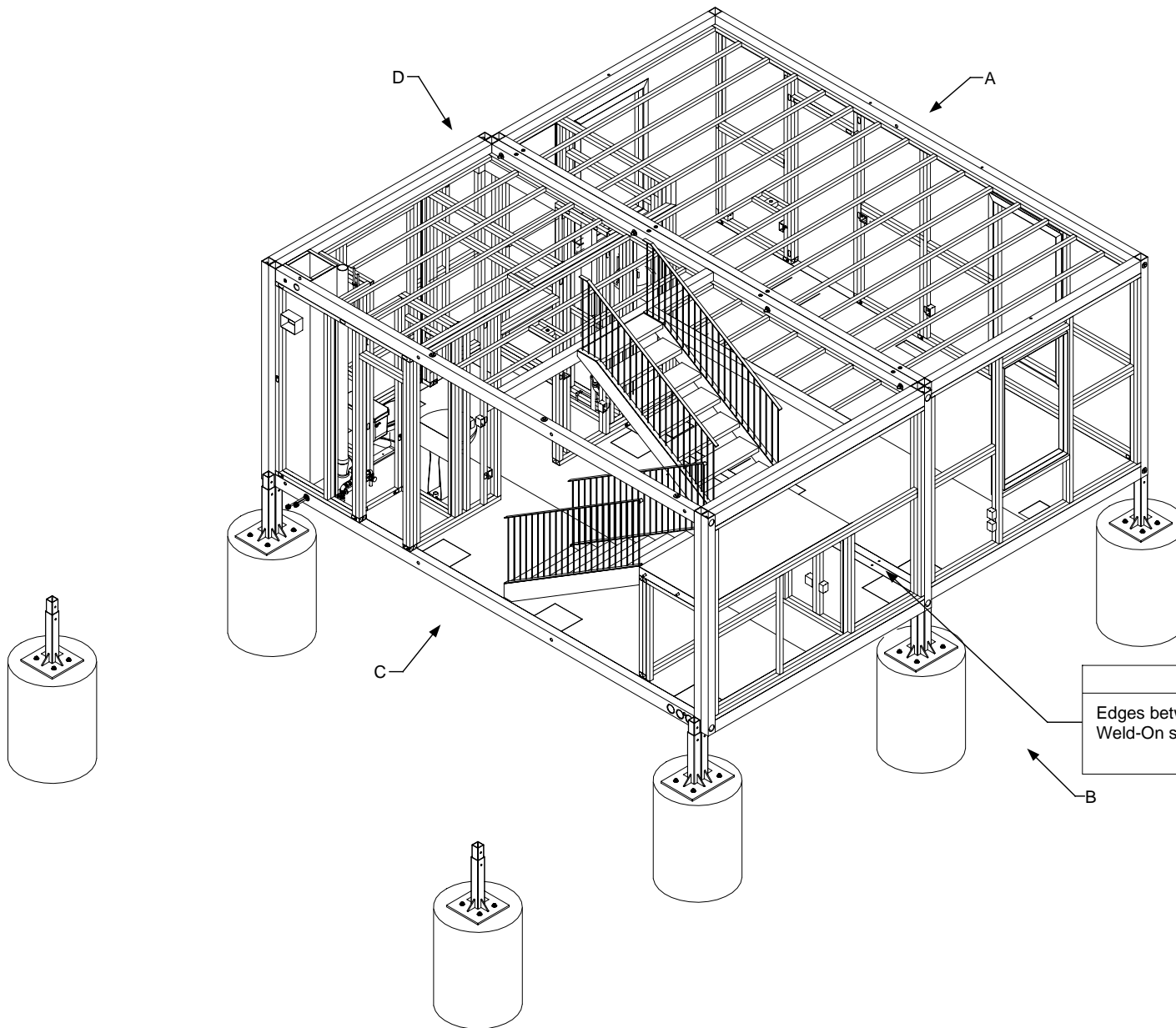
#### DRAWING

Site Assembly  
Cell B  
View B & C  
Installation-Cell to  
foundation  
Detail 4

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Hartford

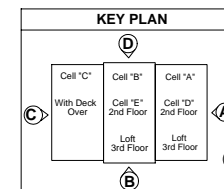


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**FIELD NOTES**

Edges between Cell are filled with Weld-On sealant and spread level

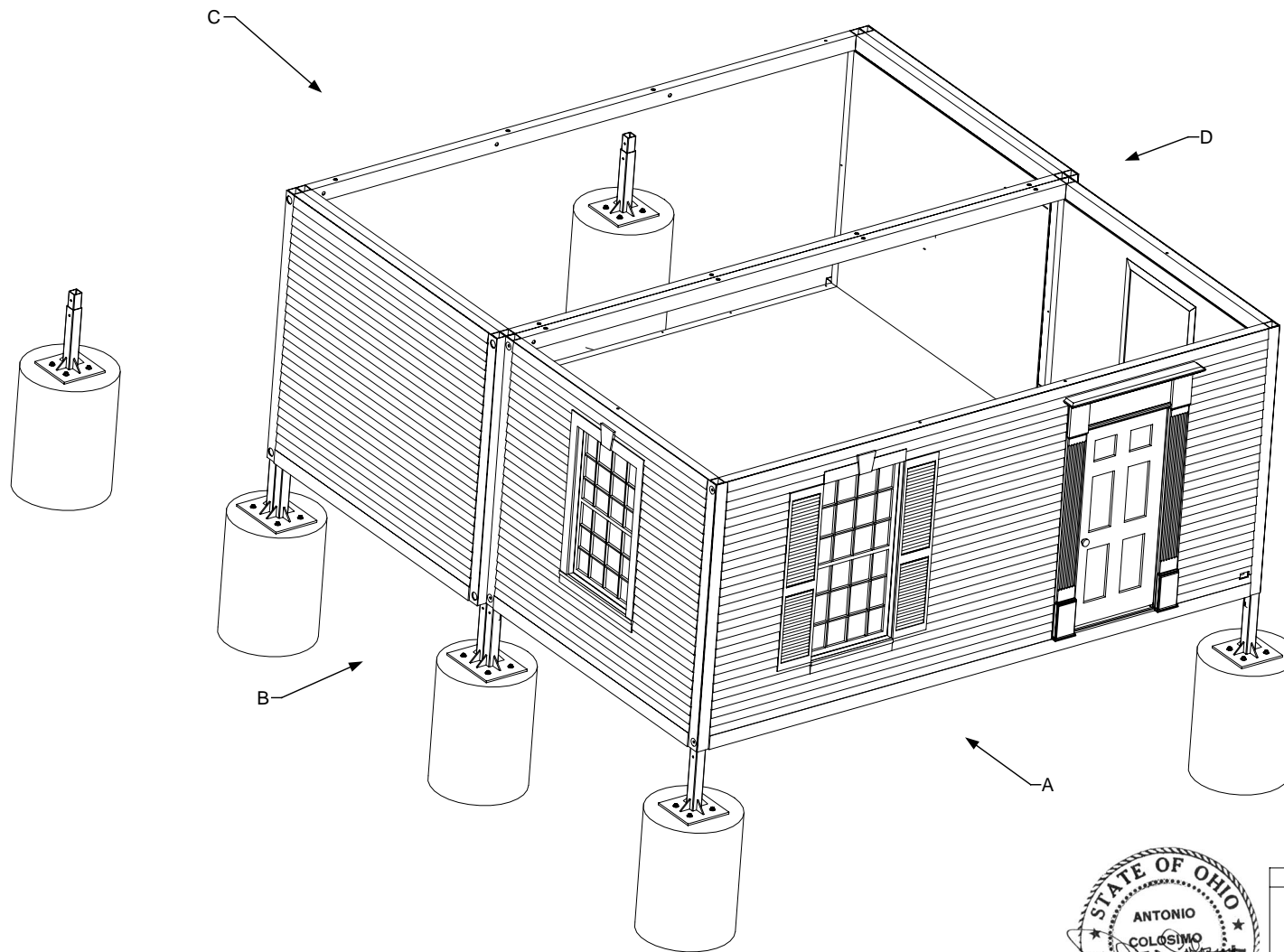


**DRAWING**

Site Assembly  
Cell B  
View B & C  
Installation-Cell to  
cell  
Cell mounted

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QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to frame
	Bolts and Nuts installed
	Bolt/Nut Count - 12
	Water Tank reconnection
	Plumbing test
	Electrical reconnection
	Electrical test
	Edges between cell are filled with Weld-On Sealant
	Plaster work: Embed elastomeric plaster and tape
	Adhesive/Sealant applied to exterior edges between Cell



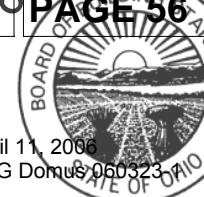
KEY PLAN		
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
	Loft 3rd Floor	Loft 3rd Floor

**DRAWING**

Site Assembly  
Cell B  
View A & B  
Installation-Cell to  
foundation  
Cell mounted  
Exterior view  
Finished checklist

DESIGNED BY: Hartford

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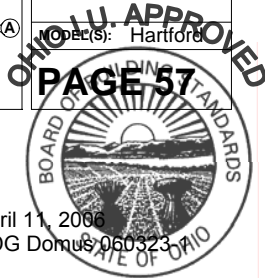
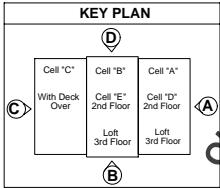
**FIELD NOTES**  
Install Intermediate  
Connector Pins

**FIELD NOTES**  
Second Floor  
Connector Pins  
Corner and Intermediate Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts, torqued to minimum of 20 ft. lbs.

QA Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Install 2nd Floor Corner Connector Pins
	Pin Count - 2
	Install Corner Connector Bolt/Nuts Grade 5 - 3/4" x 6" Torqued to minimum of 20 ft. lbs.
	Bolt/Nut Count - 2
	Install Intermediate Connector Pins
	Pin Count - 6
	Install Intermediate Connector Bolt/Nuts Grade 5 - 3/4" x 6" Torqued to minimum of 20 ft. lbs.
	Bolt/Nut Count - 6



**DRAWING**  
Site Assembly  
Cell A & B  
View B & C  
Installation-  
Connector pins to  
Install cell D  
Setting pins



**FIELD NOTES**

Intermediate Corner Pins  
installed and bolted

**FIELD NOTES**

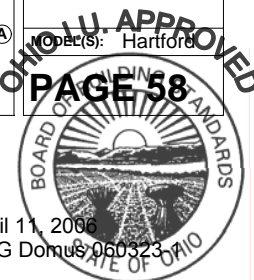
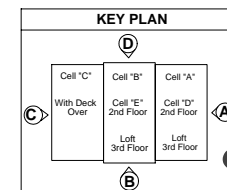
Corner Connector Pins  
installed and bolted

QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Install 2nd Floor Corner Connector Pins
	Pin Count - 2
	Install Corner Connector Bolt/Nuts Grade 5 - 3/4" x 6" Torqued to minimum of 20 ft. lbs.
	Bolt/Nut Count - 2
	Install Intermediate Connector Pins
	Pin Count - 6
	Install Intermediate Connector Bolt/Nuts Grade 5 - 3/4" x 6" Torqued to minimum of 20 ft. lbs.
	Bolt/Nut Count - 6



**DRAWING**

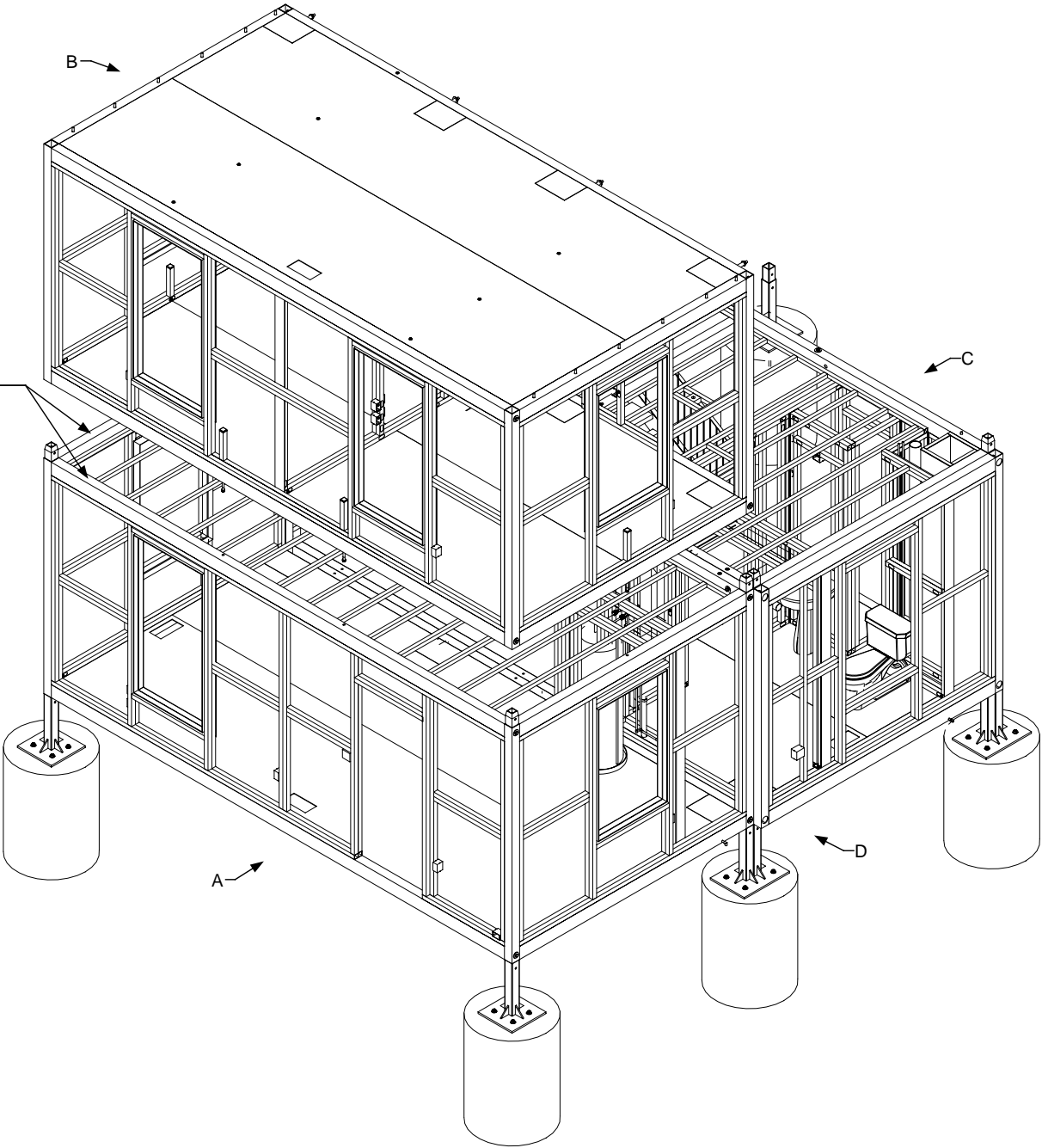
Site Assembly  
Cell A & B  
View B & C  
Installation-  
Connector pins  
Install cell D  
Pins mounted  
Finished checklist



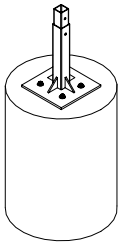


**FIELD NOTES**

Uniroyal Silaprene  
Adhesive/Sealant  
applied to surfaces  
which contact Cell

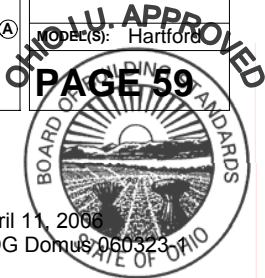
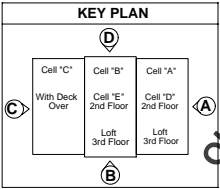


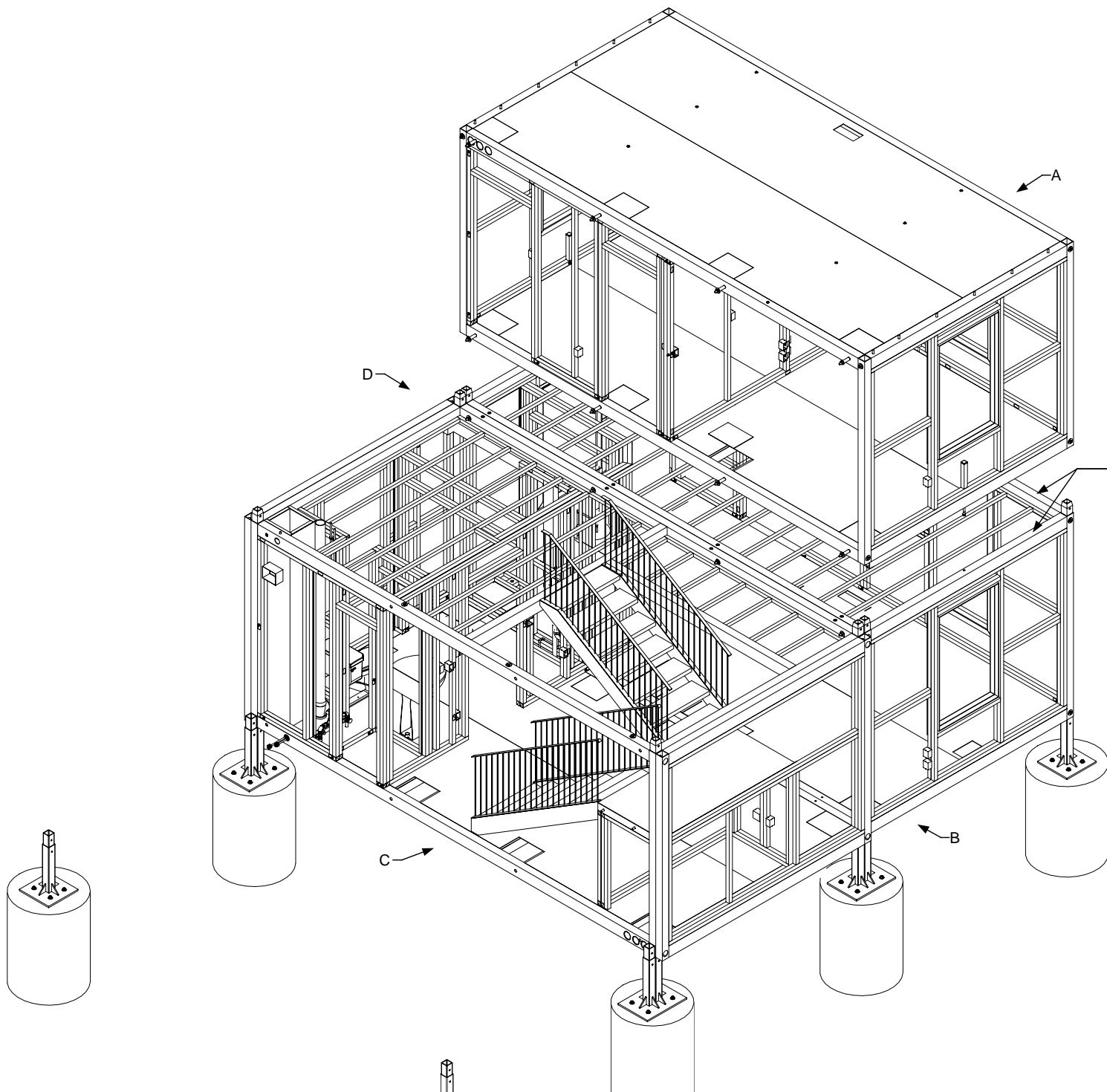
QA Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to frame
	Bolts and Nuts installed
	Bolt/Nut Count - 4
	Adhesive/Sealant applied to exterior edges between Cell



**DRAWING**

Site Assembly  
Cell D  
View A & D  
Installation-Cell to cell  
Setting cell





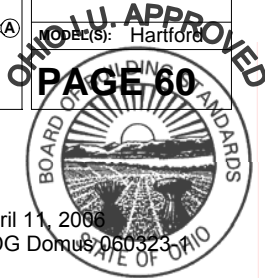
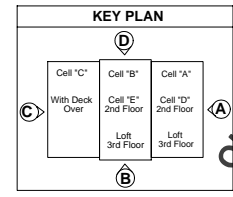
**FIELD NOTES**

Uniroyal Silaprene Adhesive/Sealant applied to surfaces which contact Cell

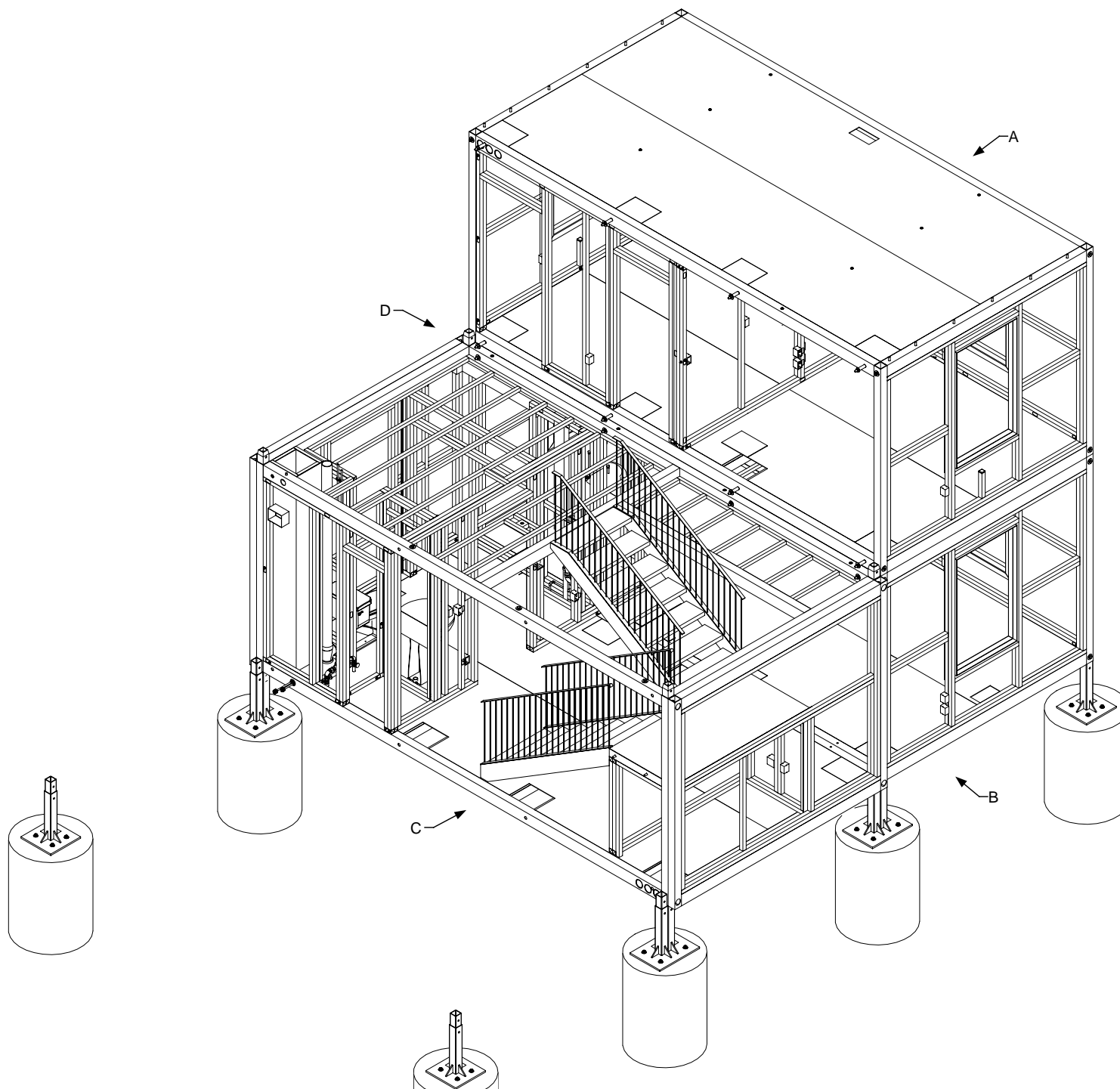


**DRAWING**

Site Assembly  
Cell D  
View B & C  
Installation-Cell to cell  
Setting cell

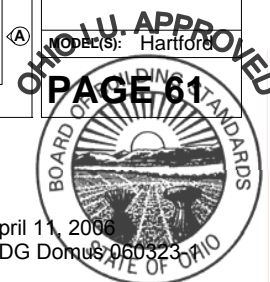
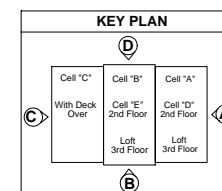




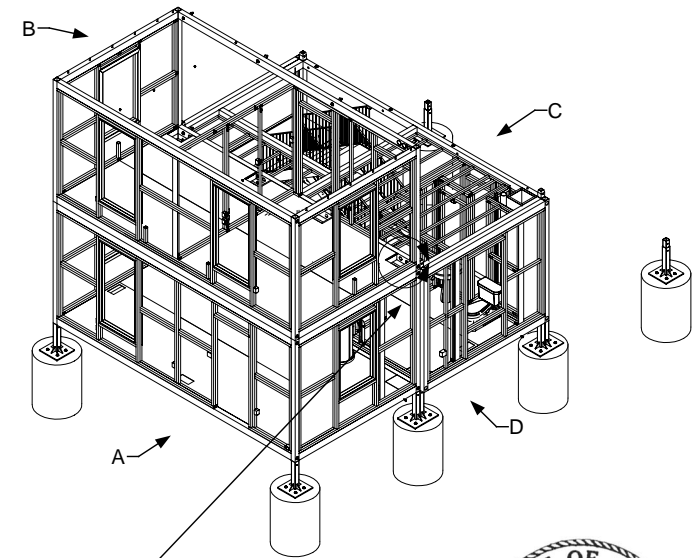
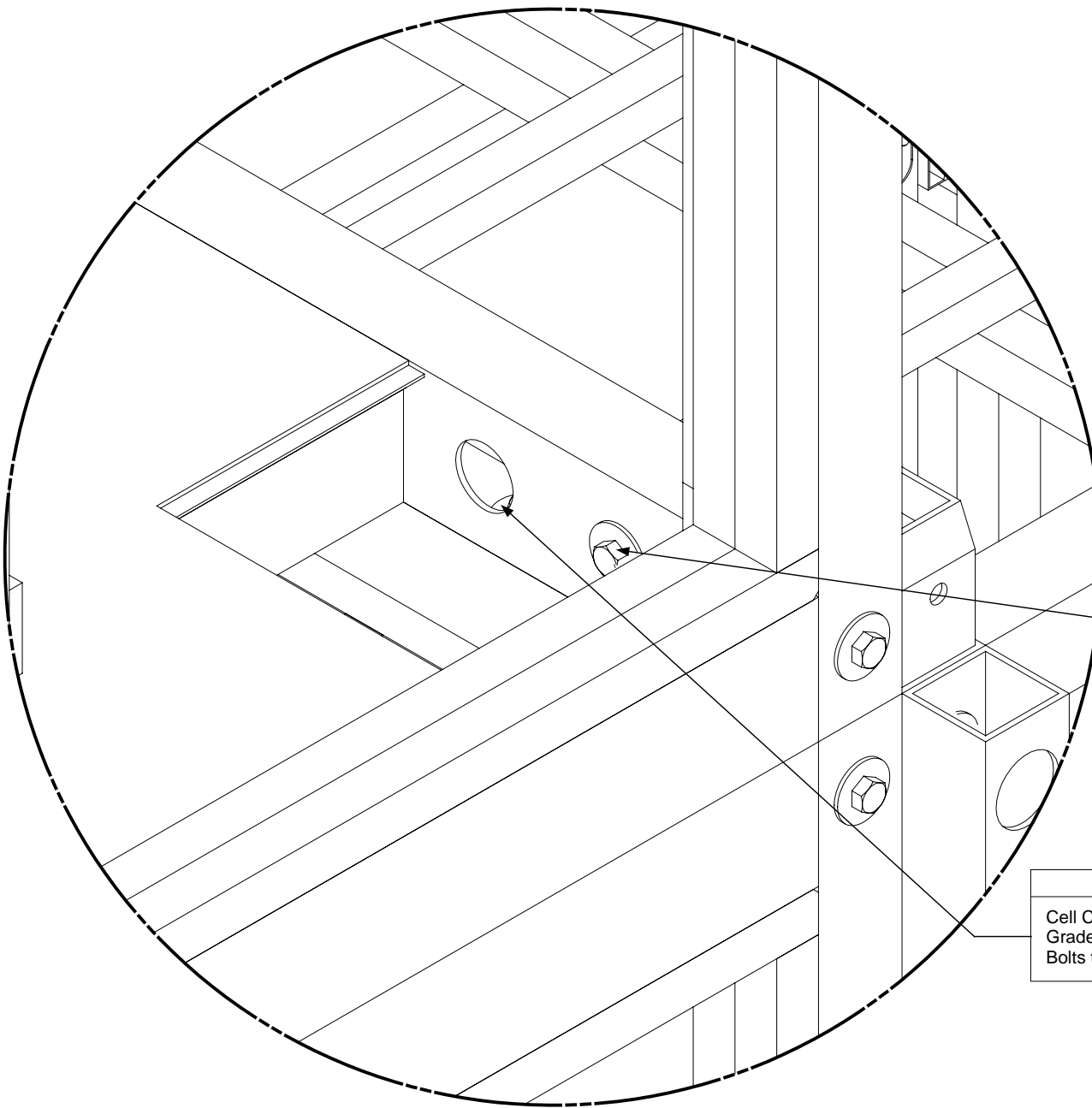


# DRAWING

Site Assembly  
Cell D  
View B & C  
Installation-Cell to  
cell  
Cell mounted



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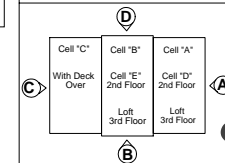
#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

#### FIELD NOTES

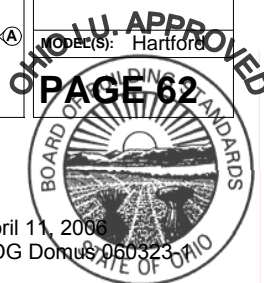
Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 1 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

#### KEY PLAN

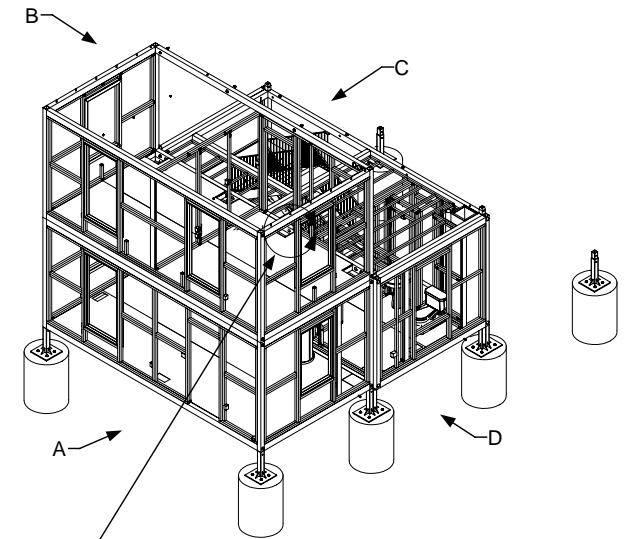
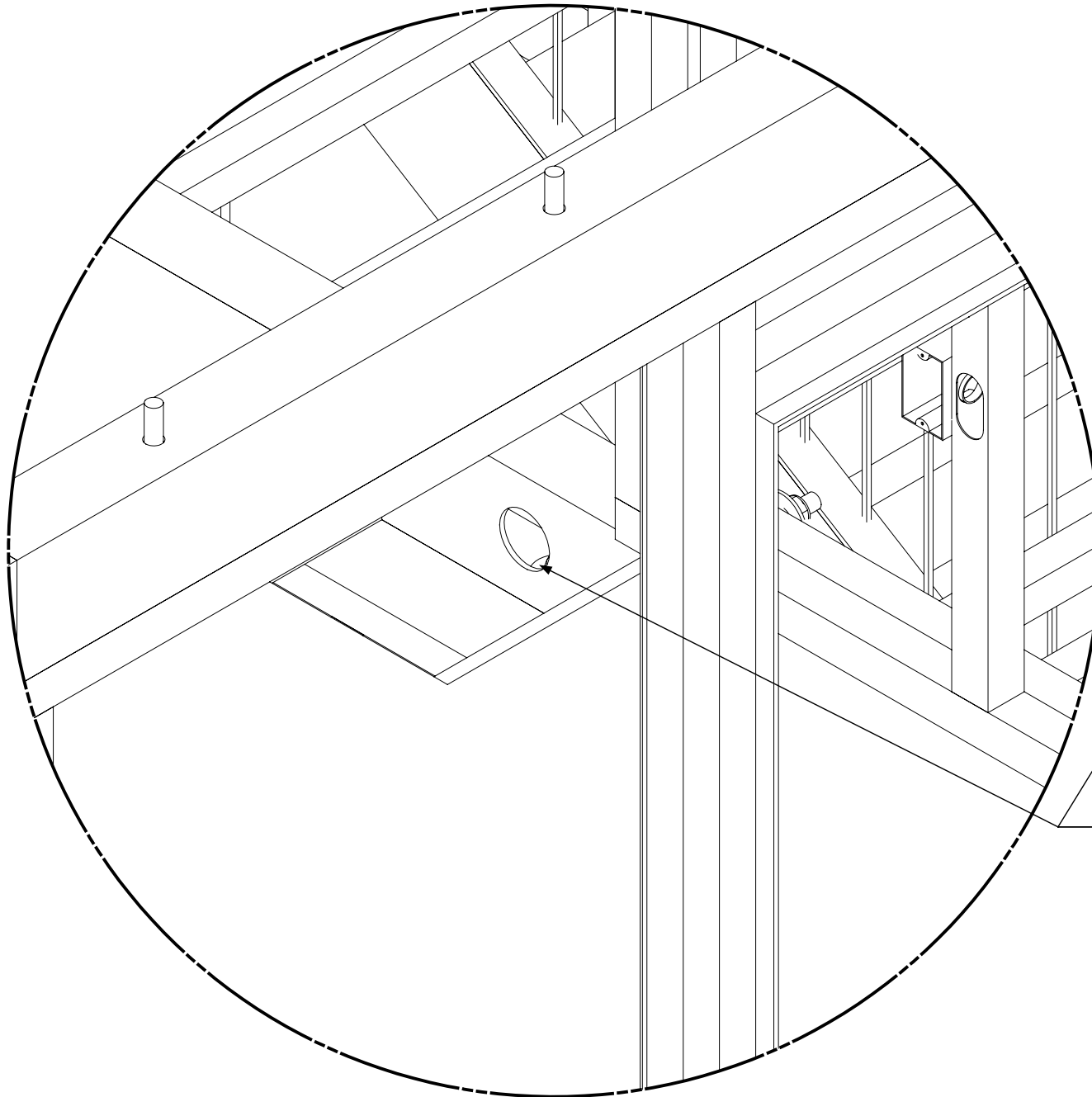


#### DRAWING

Site Assembly  
Cell D  
View A & D  
Installation-Bolts  
Detail 1

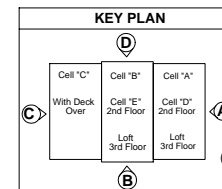


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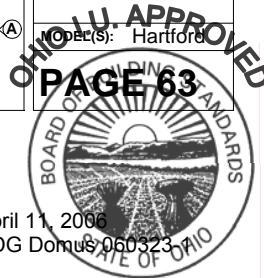
**FIELD NOTES**

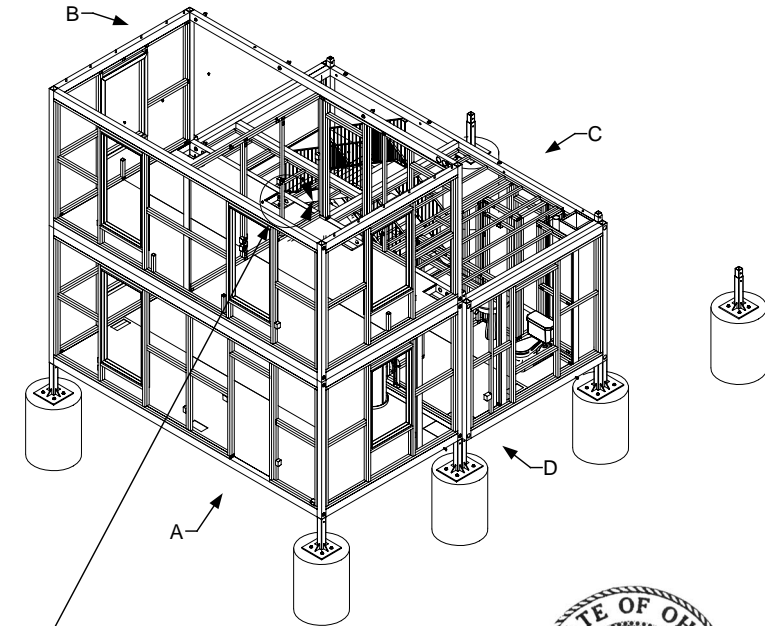
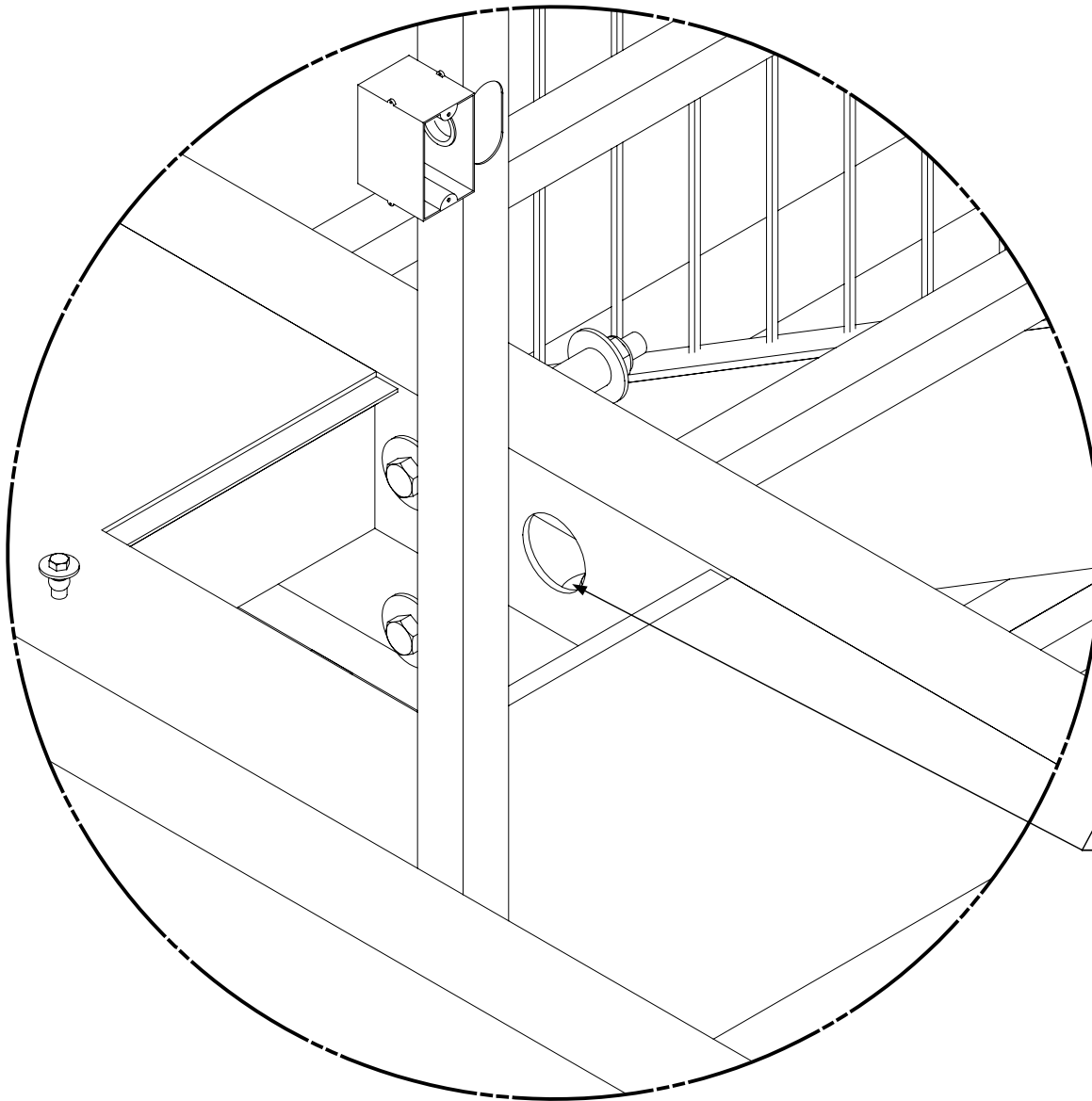
Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 1 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.



**DRAWING**

Site Assembly  
 Cell D  
 View A & D  
 Installation-Bolts  
 Detail 2

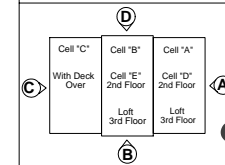




#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 1 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

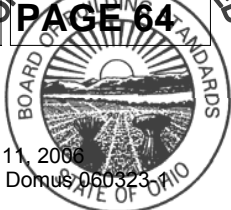
#### KEY PLAN

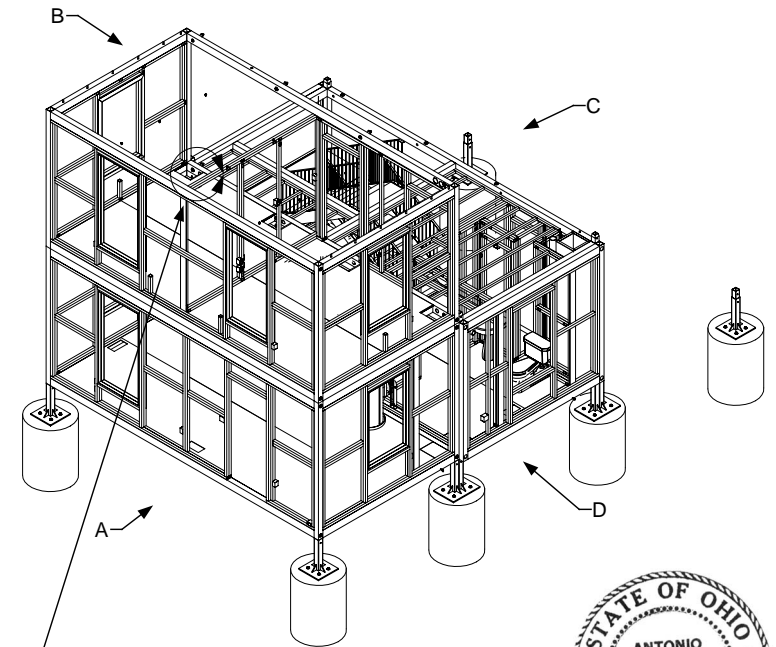
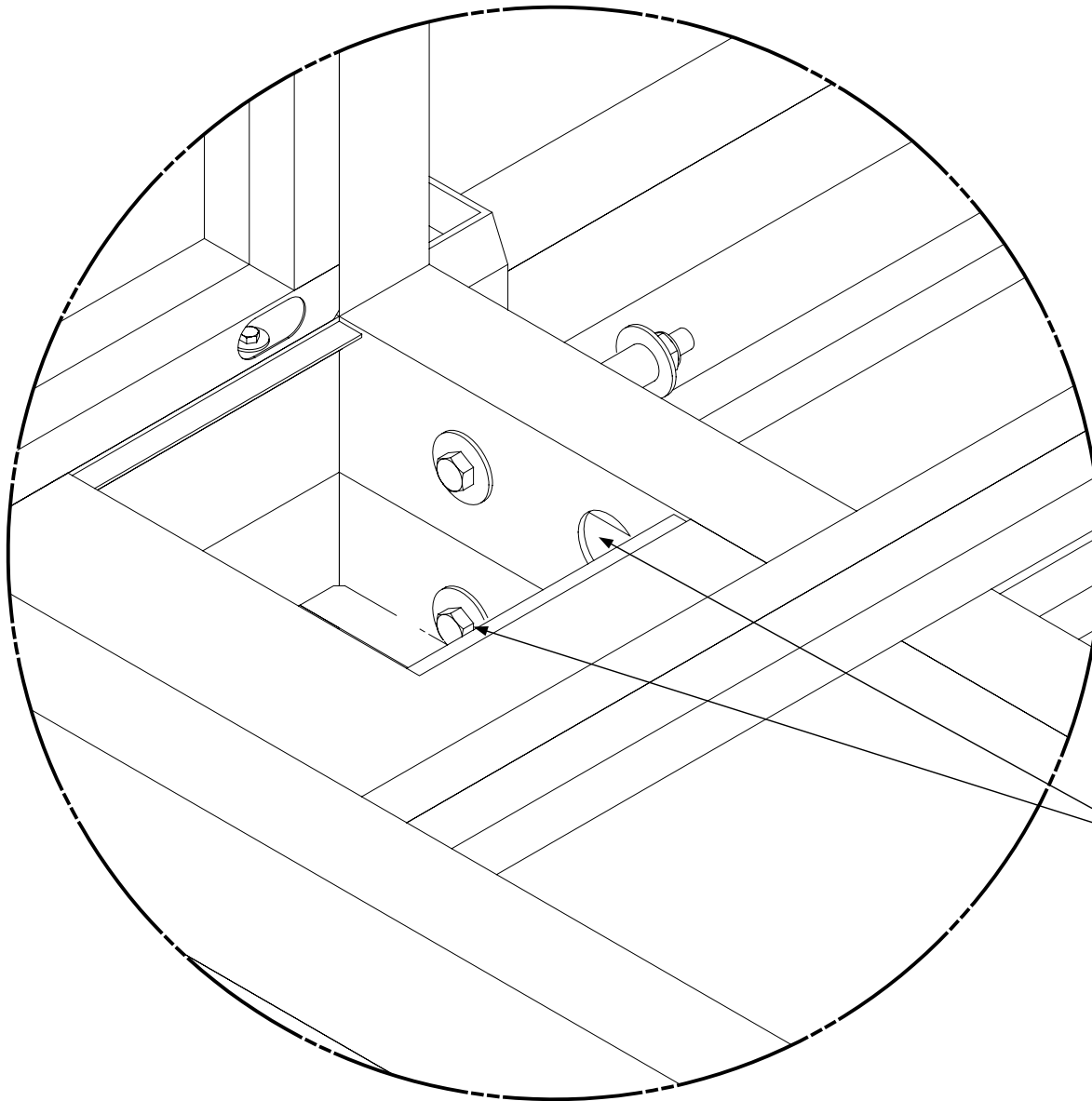


#### DRAWING

Site Assembly  
Cell D  
View A & D  
Installation-Bolts  
Detail 3

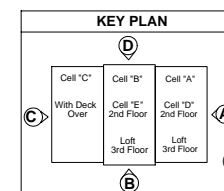
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**FIELD NOTES**

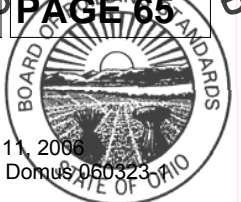
Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 1 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.

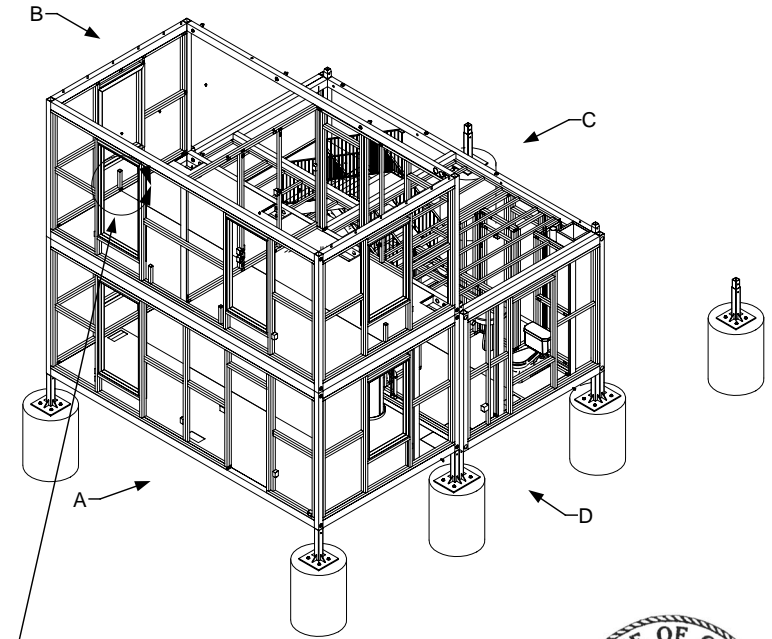
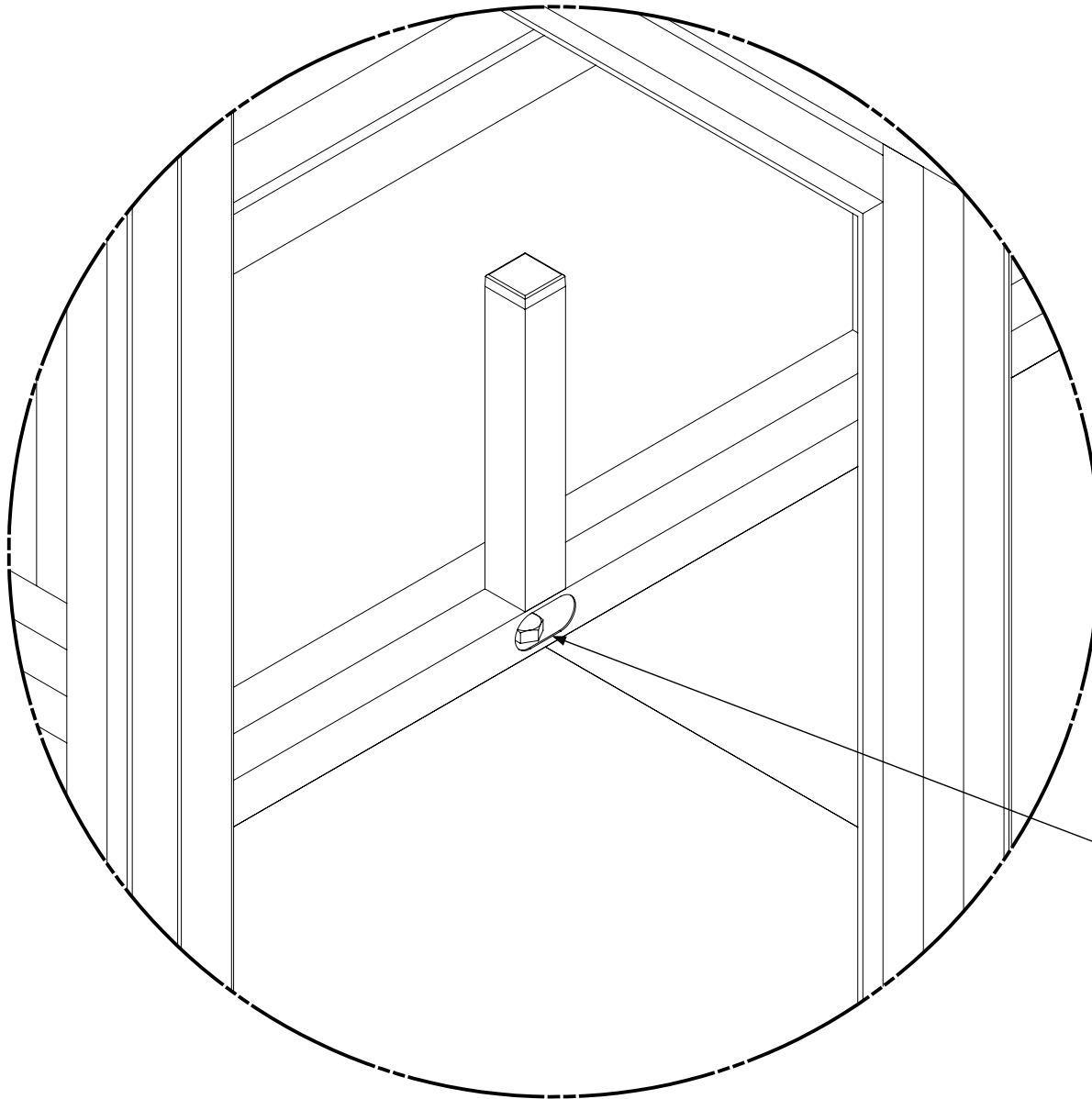


**DRAWING**

Site Assembly  
 Cell D  
 View A & D  
 Installation-Bolts  
 Detail 4

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 DRAWN BY: Hartford  
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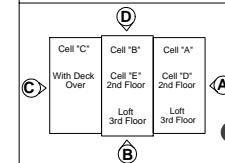




#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 13 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

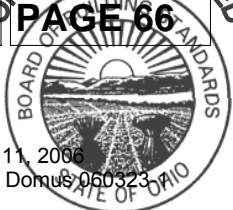
#### KEY PLAN



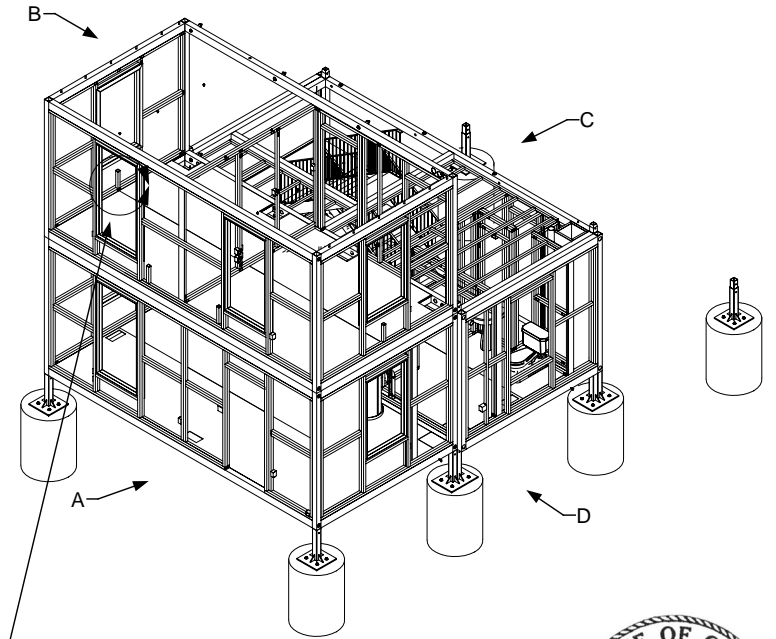
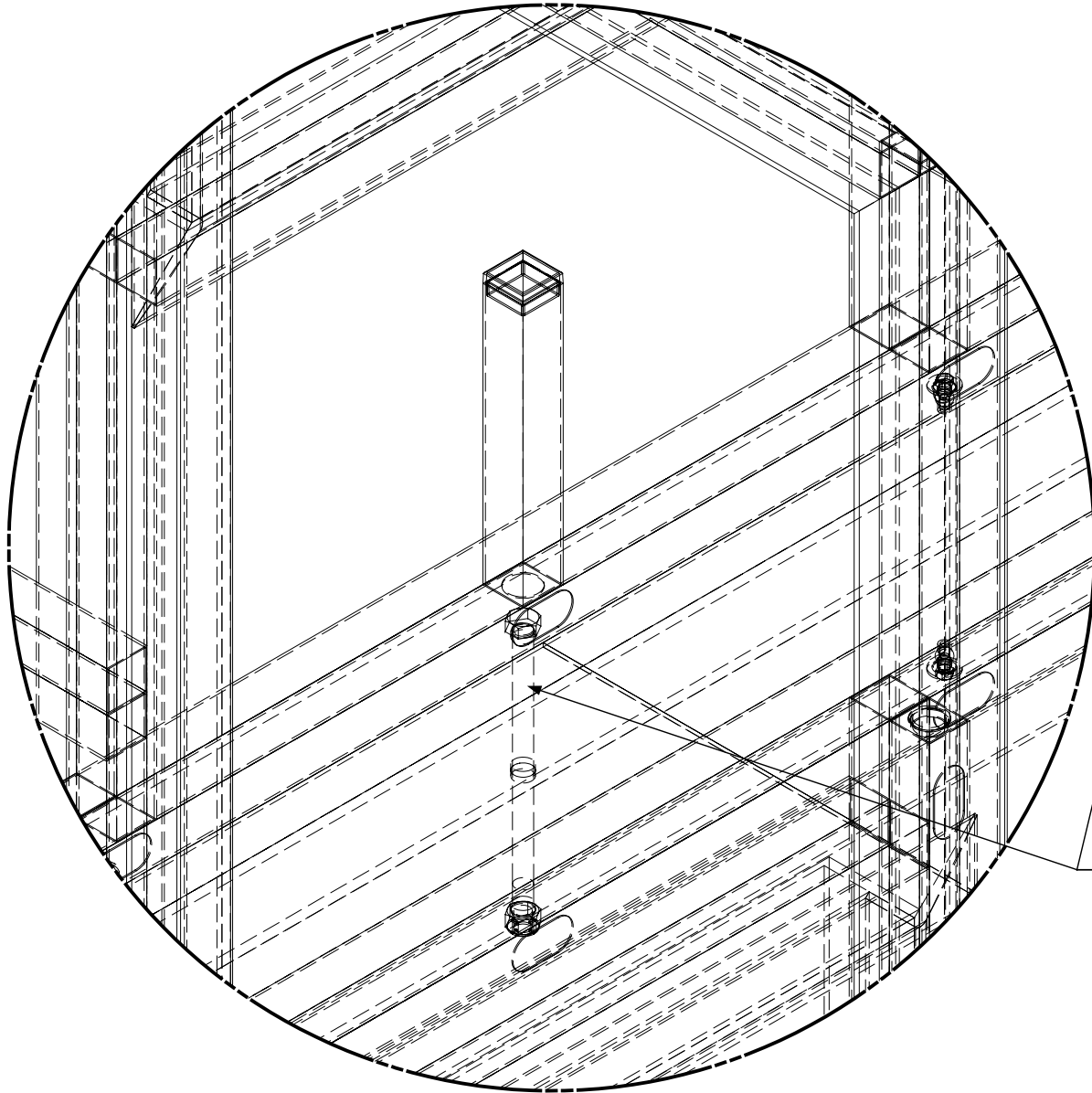
#### DRAWING

Site Assembly  
Cell D  
View A & D  
Installation-Bolts  
Detail 5

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DATE: 4/11/06  
BY: Hartford  
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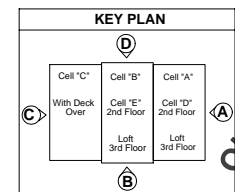
#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 13 1/2"  
Bolts torqued to minimum of 20 ft. lbs.



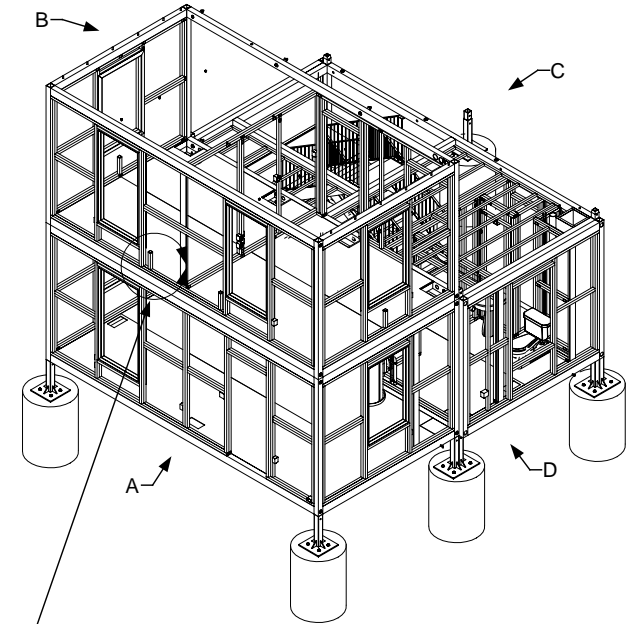
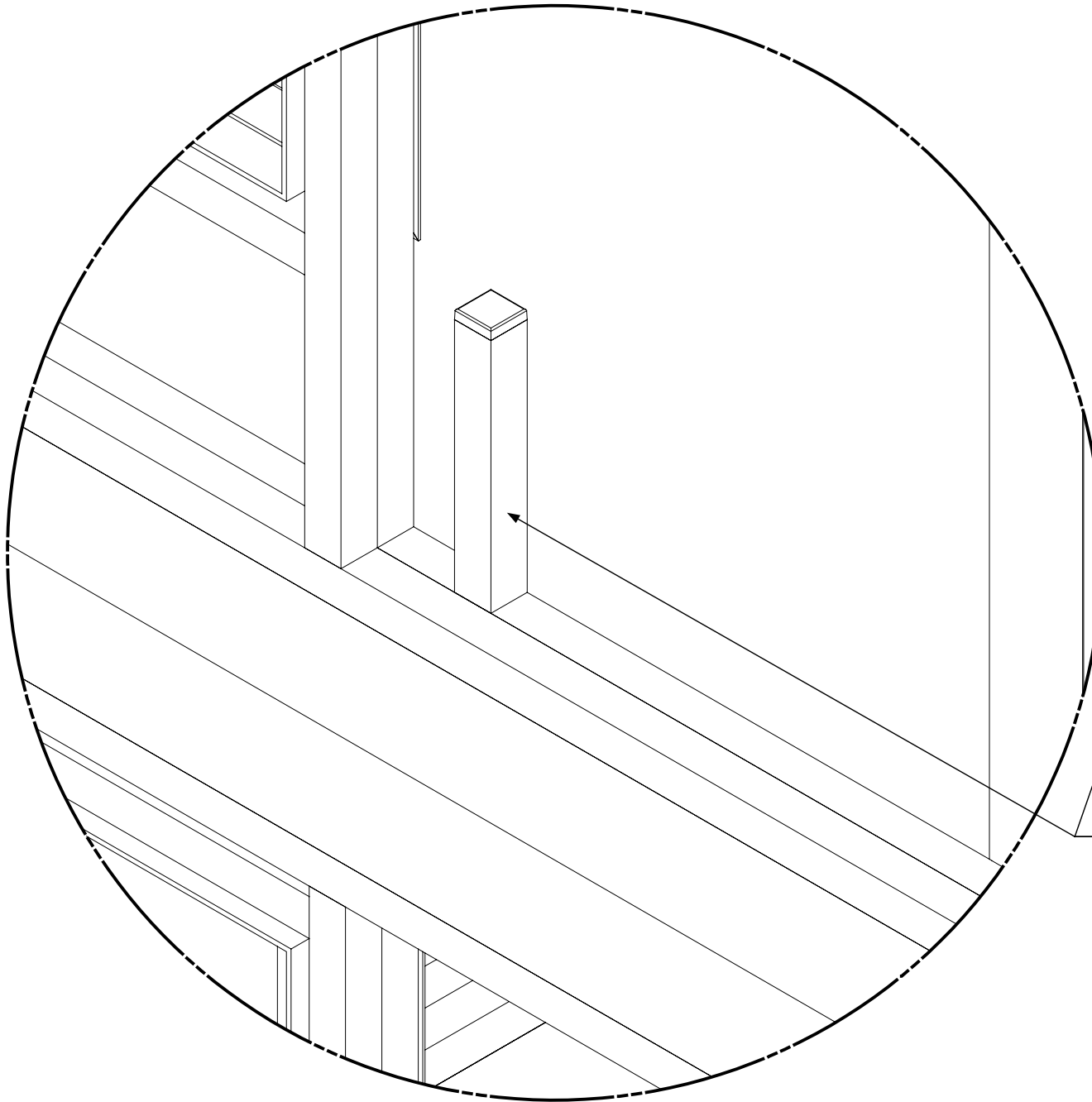
#### DRAWING

Site Assembly  
Cell D  
View A & D  
Installation-Bolts  
Detail 5-1



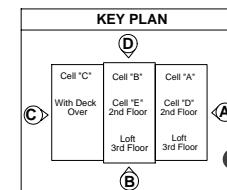
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**FIELD NOTES**

Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 13 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.

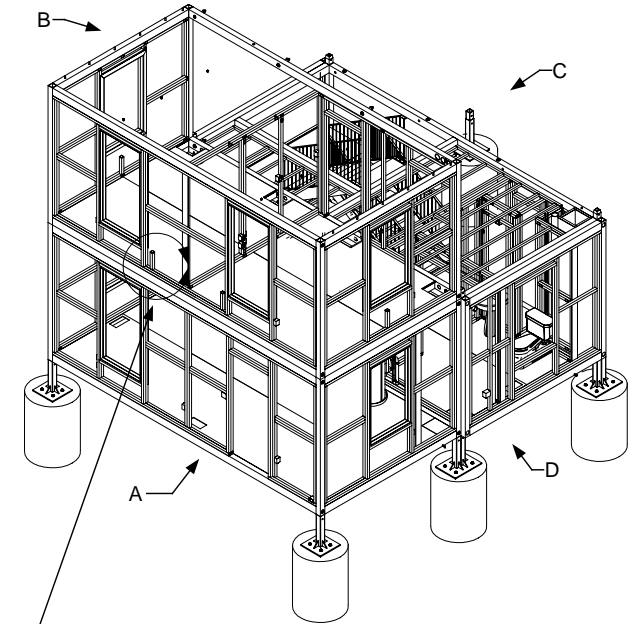
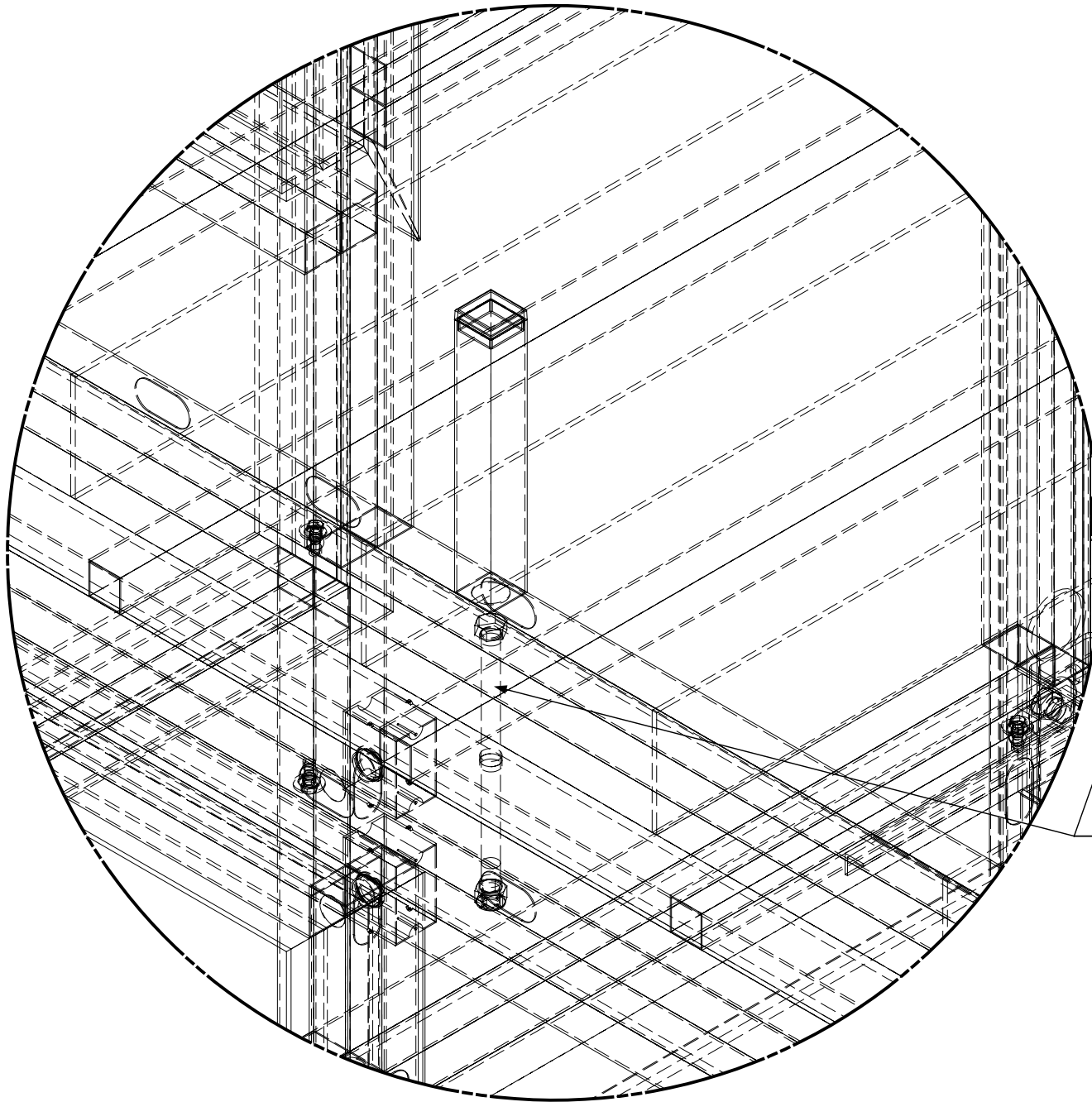


**DRAWING**

Site Assembly  
 Cell D  
 View A & D  
 Installation-Bolts  
 Detail 6

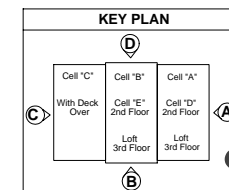
DESIGNED BY: Hartford  
 CHECKED BY: Hartford  
**PAGE 68**





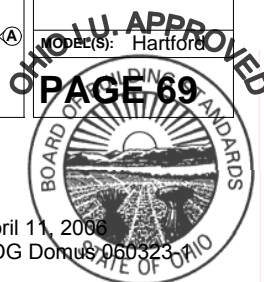
**FIELD NOTES**

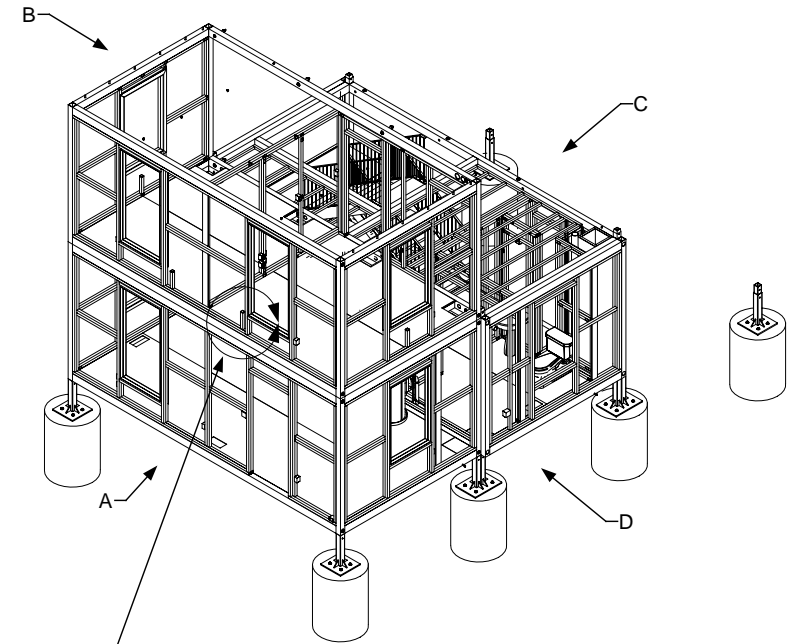
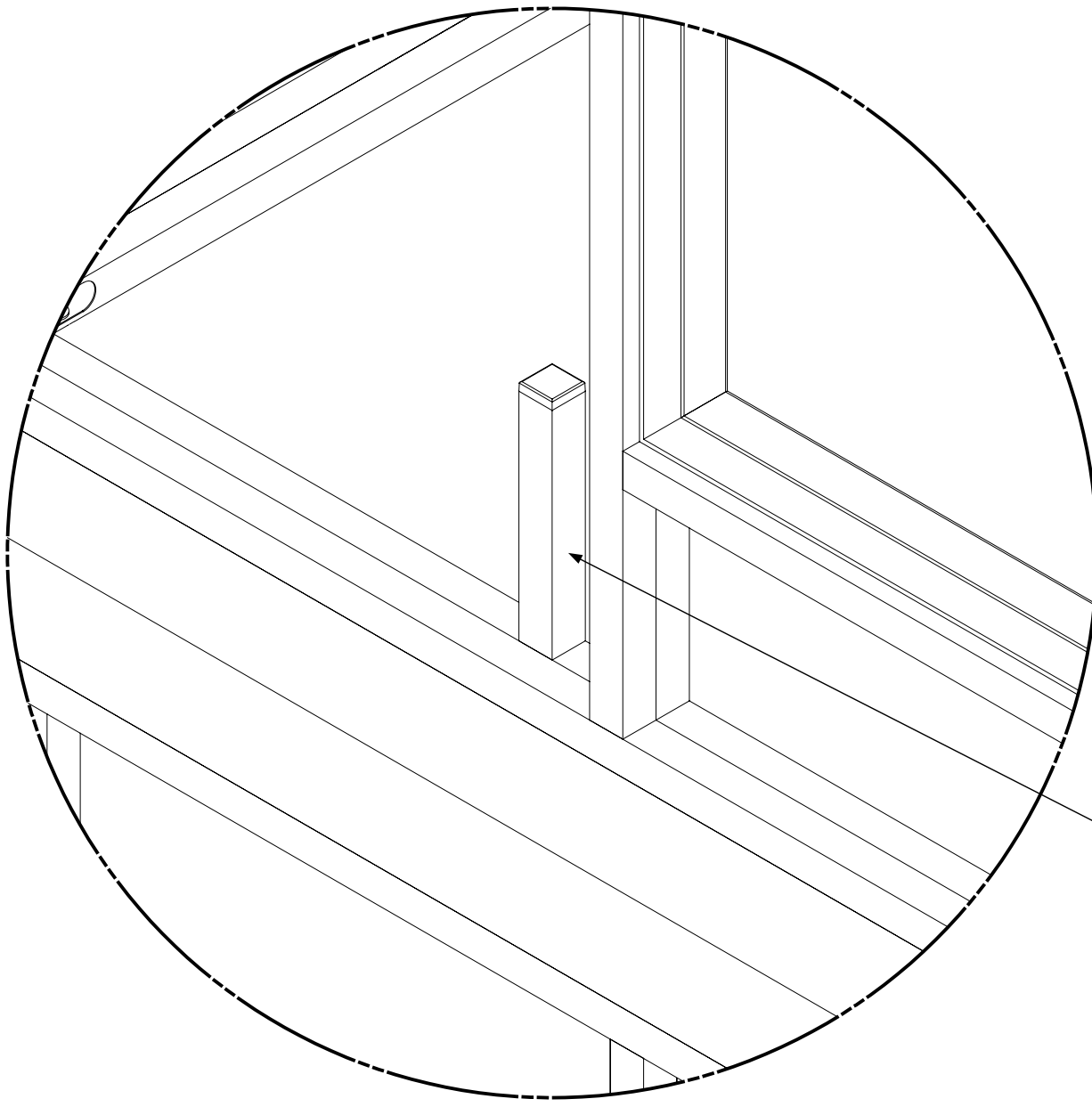
Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 13 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.



**DRAWING**

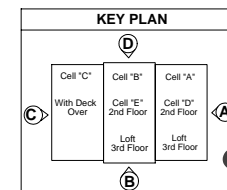
Site Assembly  
 Cell D  
 View A & D  
 Installation-Bolts  
 Detail 6-1





**FIELD NOTES**

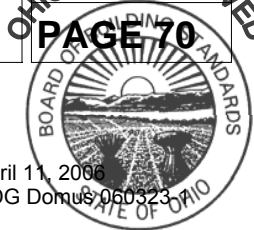
Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 13 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.



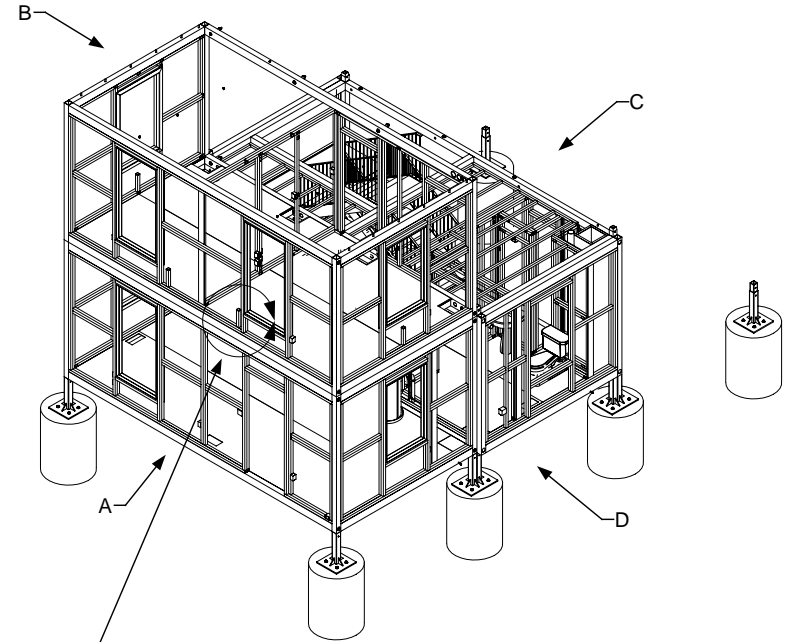
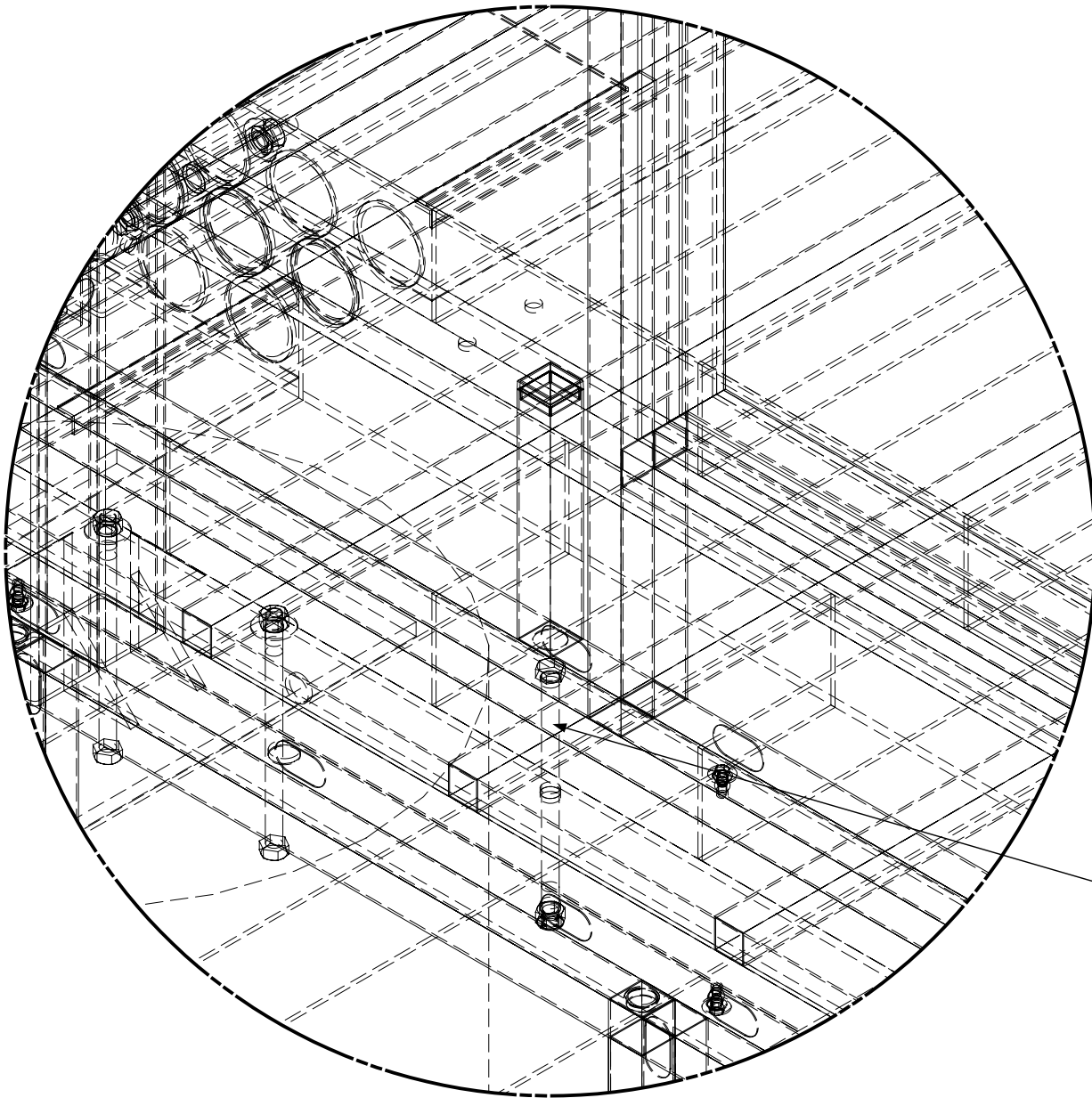
**DRAWING**

Site Assembly  
 Cell D  
 View A & D  
 Installation-Bolts  
 Detail 7

DESIGNED BY: Hartford  
 PREPARED BY: Hartford



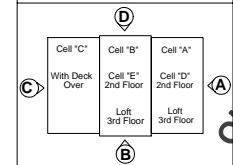




#### FIELD NOTES

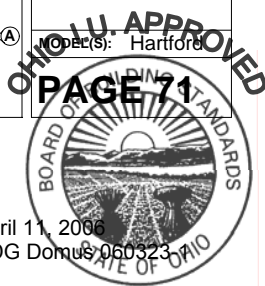
Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 13 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

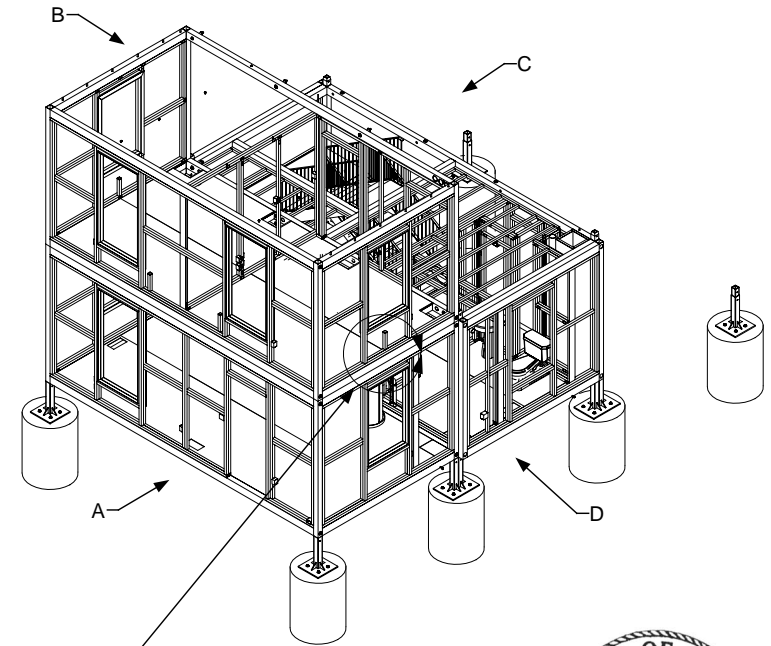
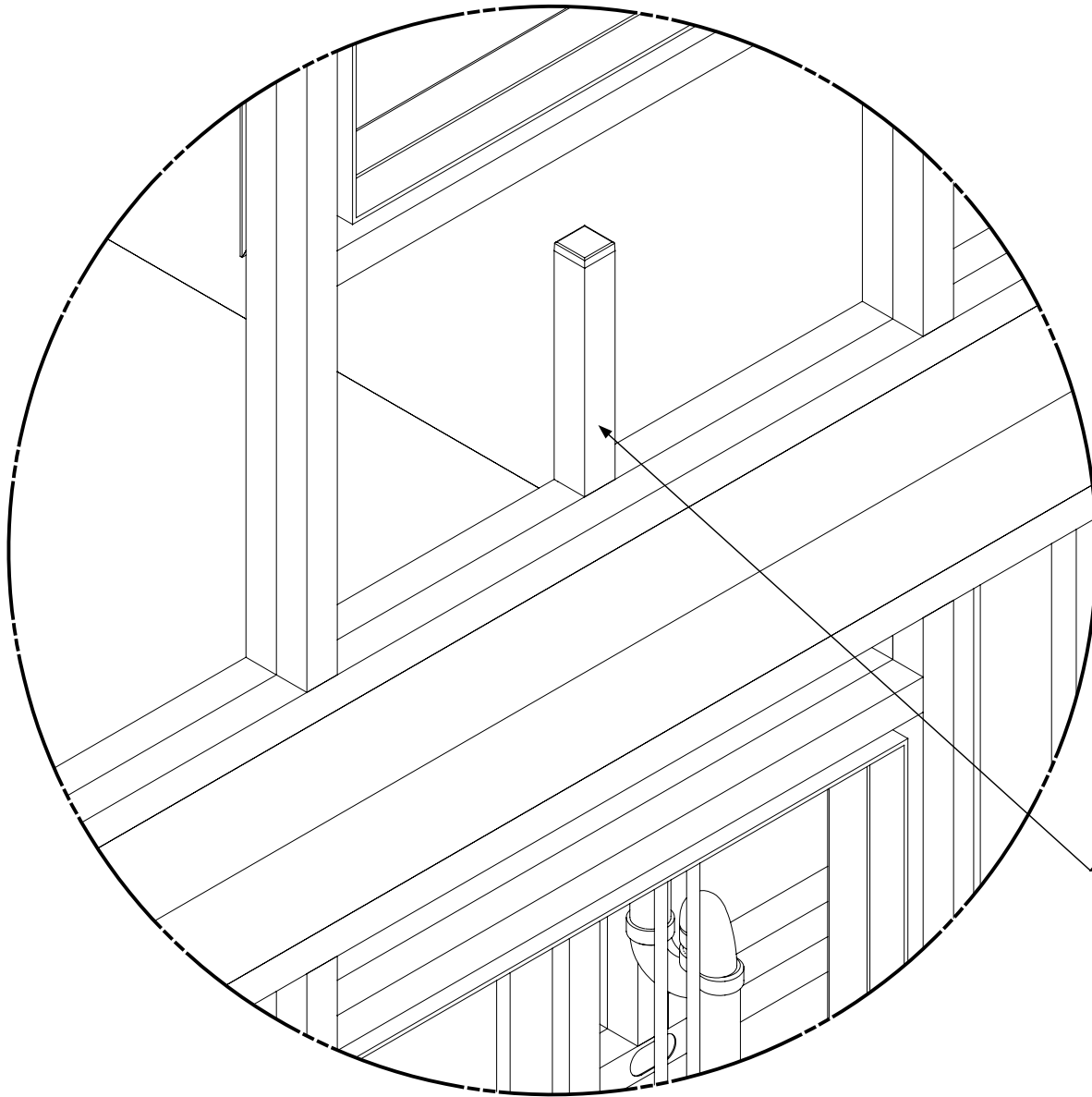
#### KEY PLAN



#### DRAWING

Site Assembly  
Cell D  
View A & D  
Installation-Bolts  
Detail 7-1





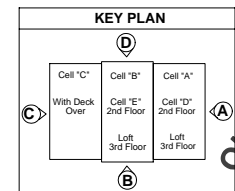
#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 13 1/2"  
Bolts torqued to minimum of 20 ft. lbs.



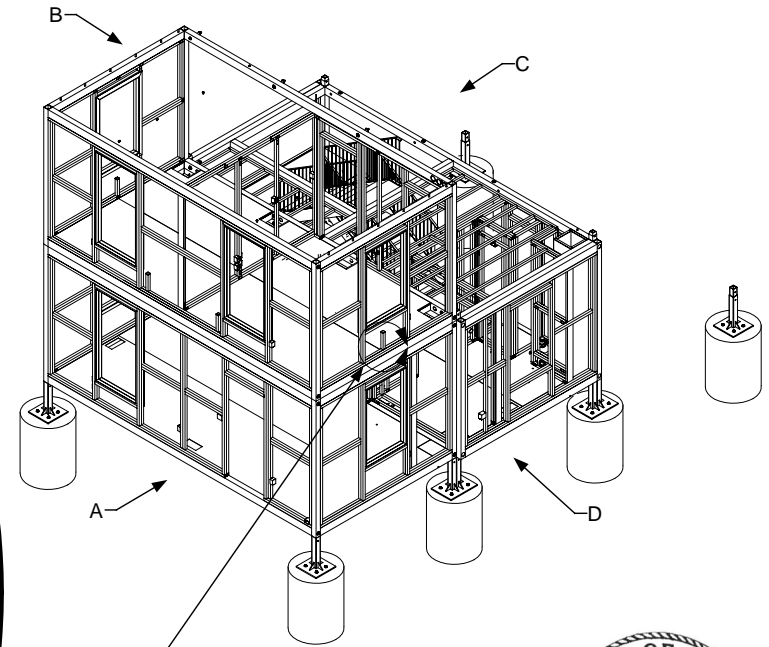
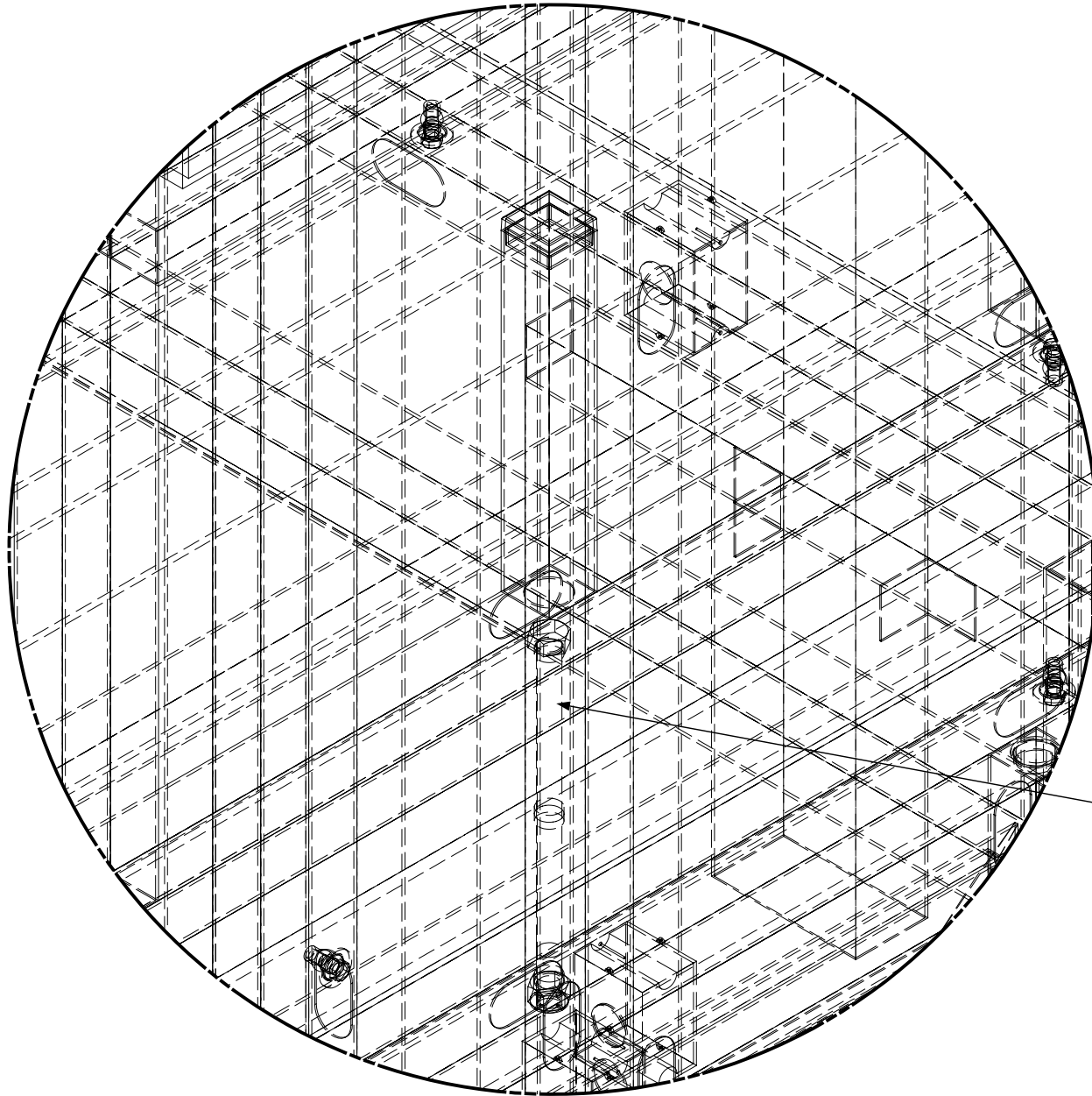
#### DRAWING

Site Assembly  
Cell D  
View A & D  
Installation-Bolts  
Detail 8



OHIO U. APPROVED  
PAGE 72  
BOARD OF ARCHITECTURAL STANDARDS  
STATE OF OHIO

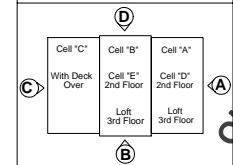




#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 13 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

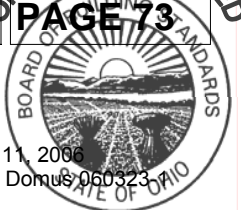
#### KEY PLAN



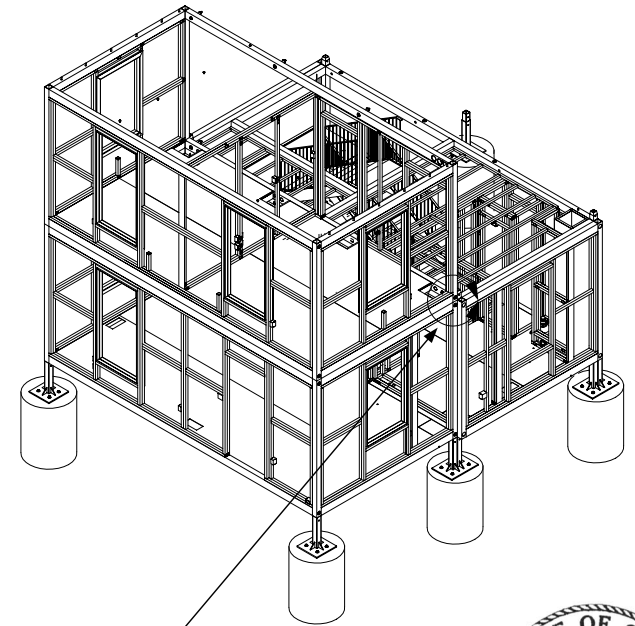
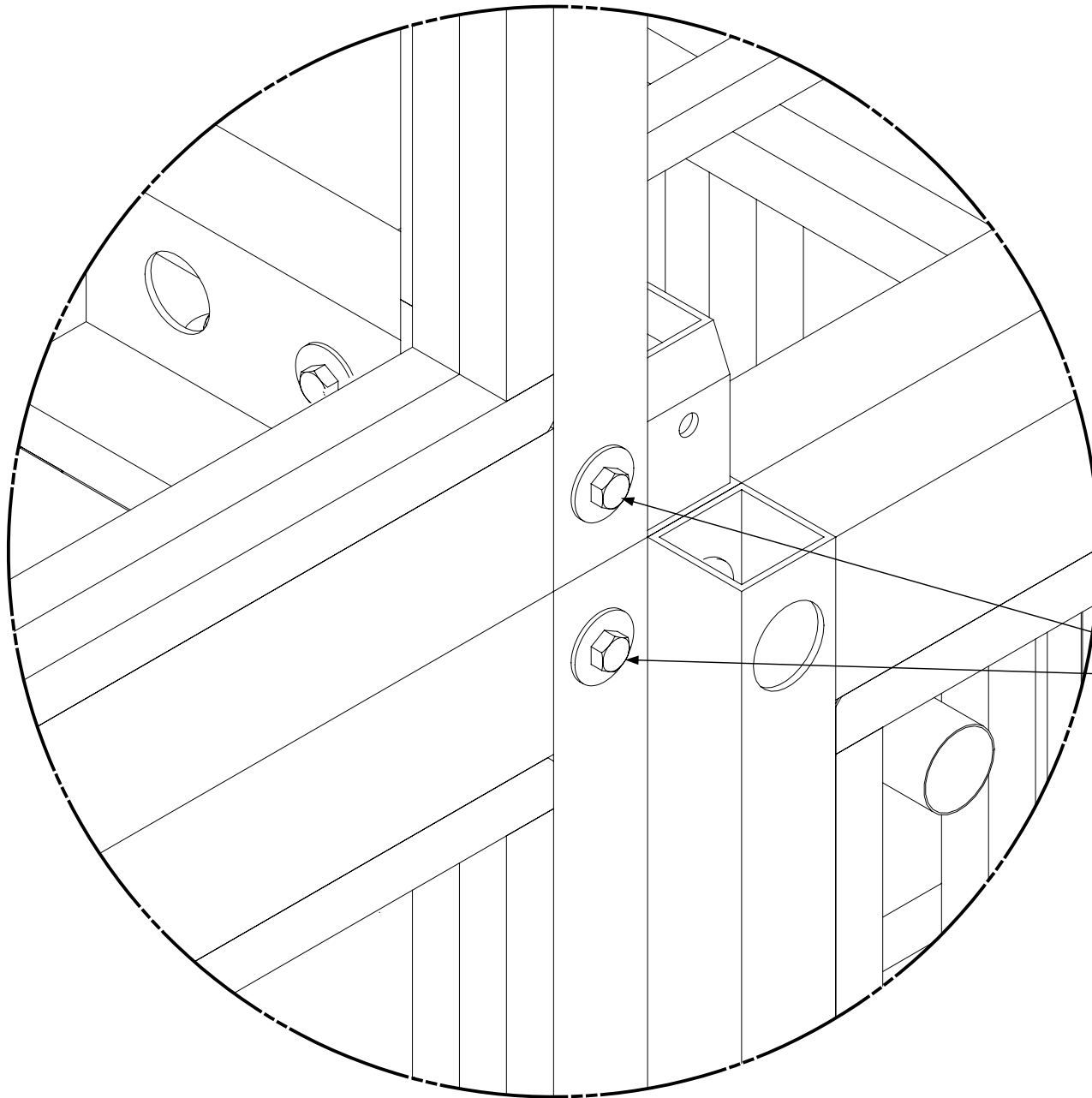
#### DRAWING

Site Assembly  
Cell D  
View A & D  
Installation-Bolts  
Detail 8-1

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PAGE 73  
DESIGNED BY: Hartford

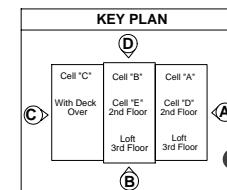


April 11, 2006  
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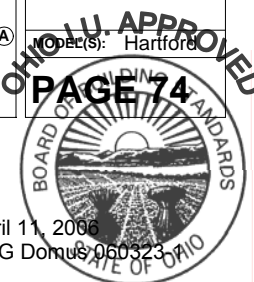
**FIELD NOTES**

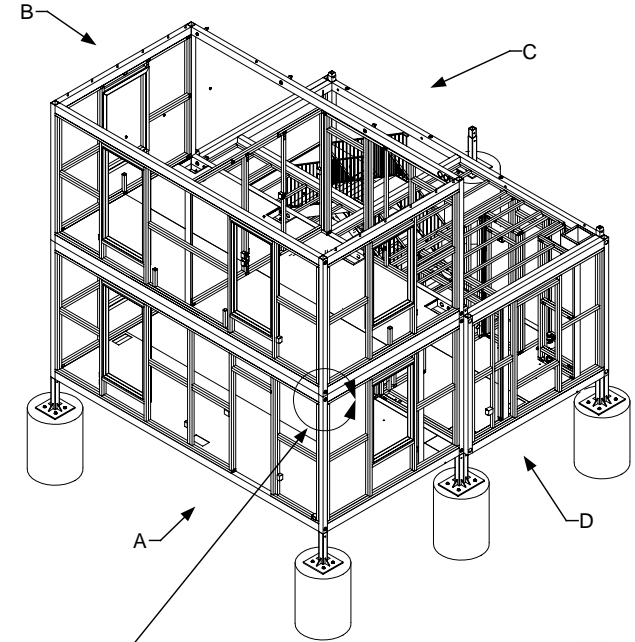
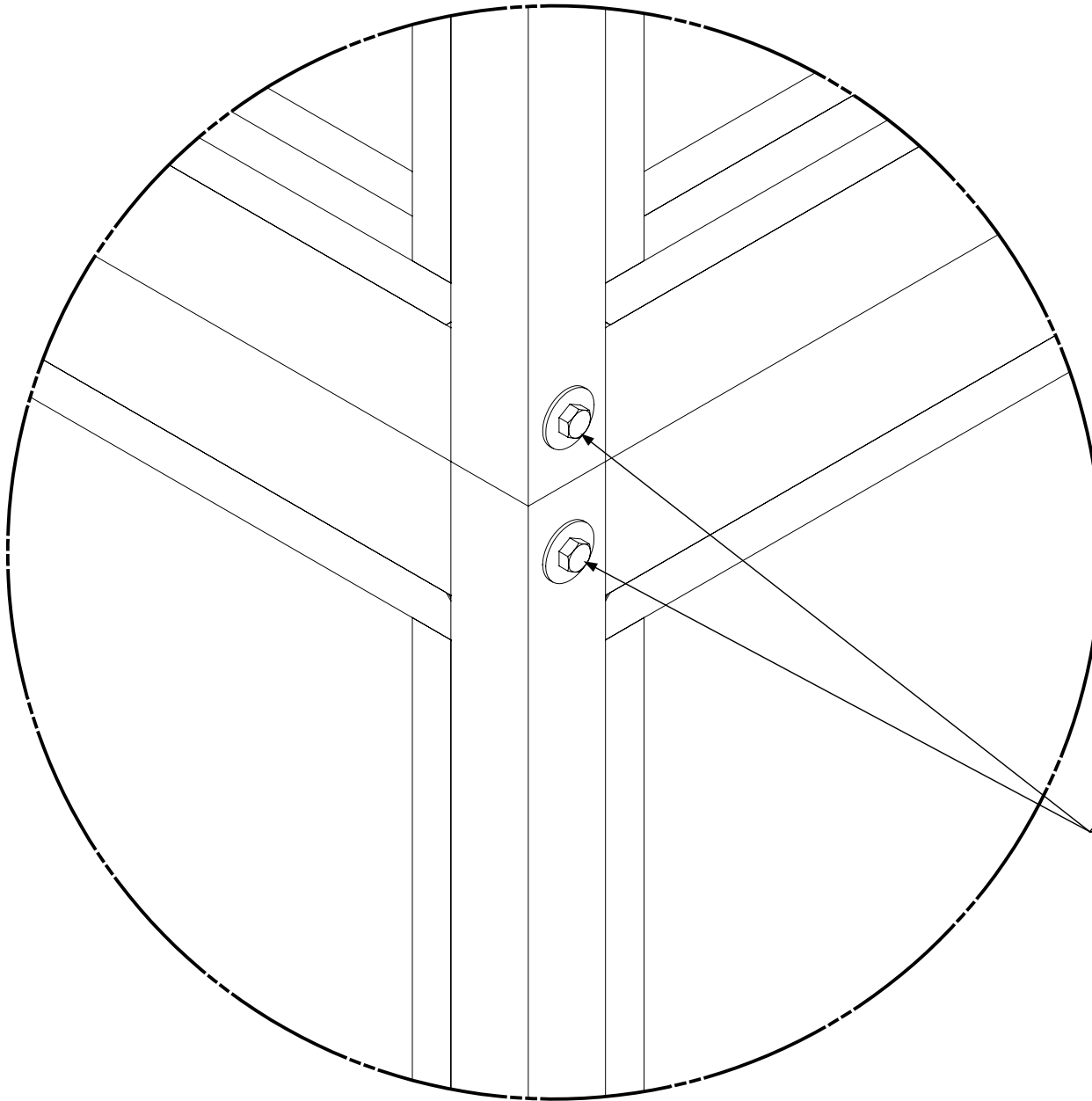
Intermediate Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 6"  
 Bolts torqued to minimum of 20 ft. lbs.



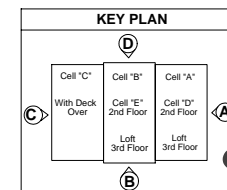
**DRAWING**

Site Assembly  
 Cell D  
 View A & D  
 Installation-Bolts  
 Detail 9

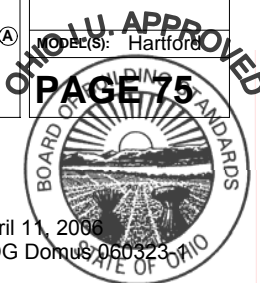


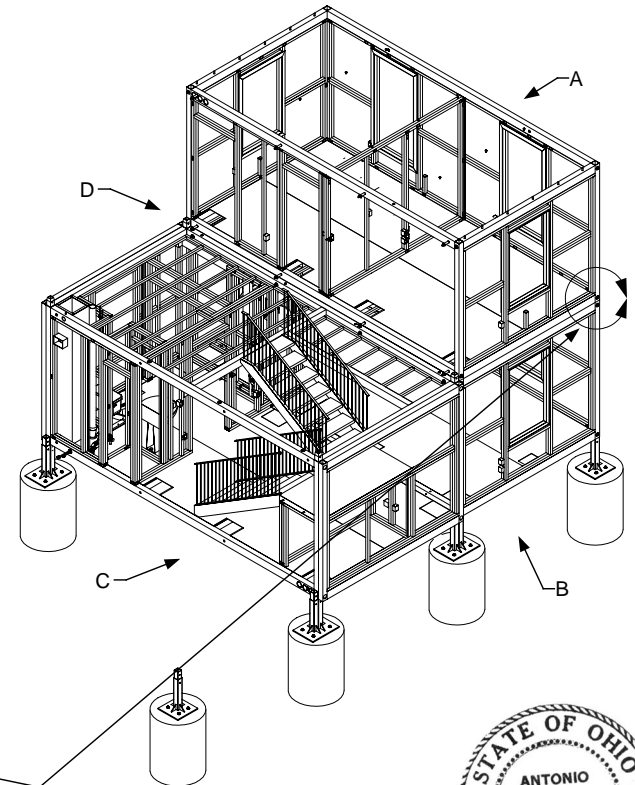
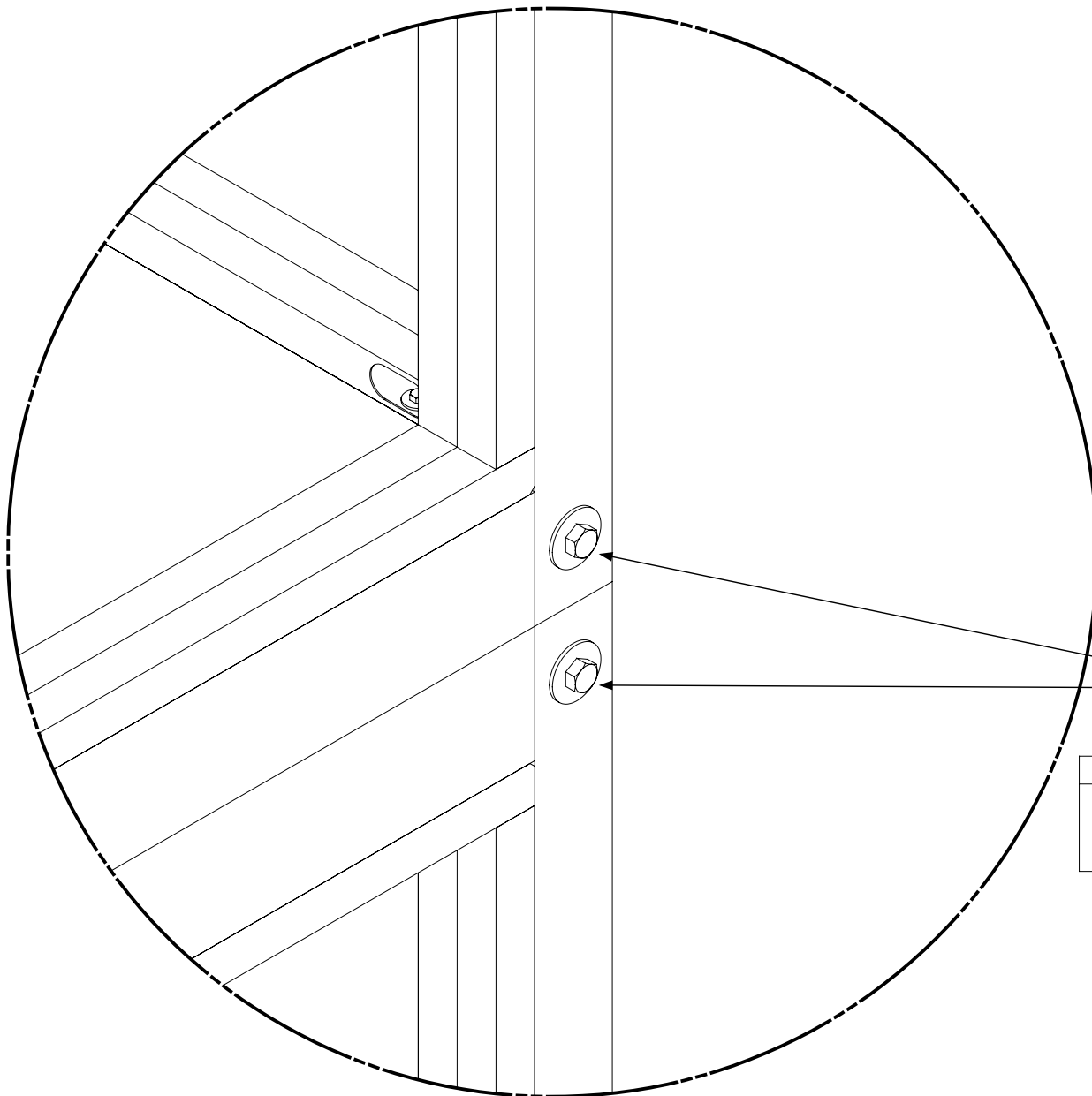


**FIELD NOTES**  
 Corner Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 6"  
 Bolts torqued to minimum of 20 ft. lbs.

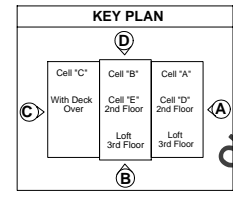


**DRAWING**  
 Site Assembly  
 Cell D  
 View A & D  
 Installation-Bolts  
 Detail 10

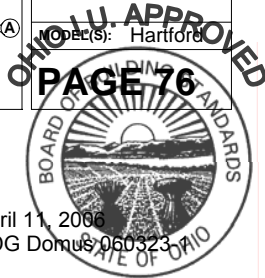


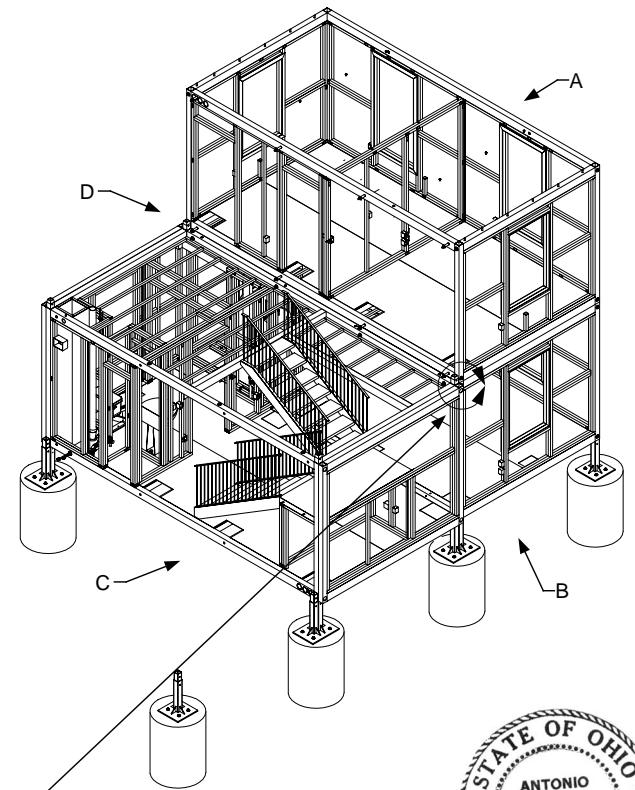
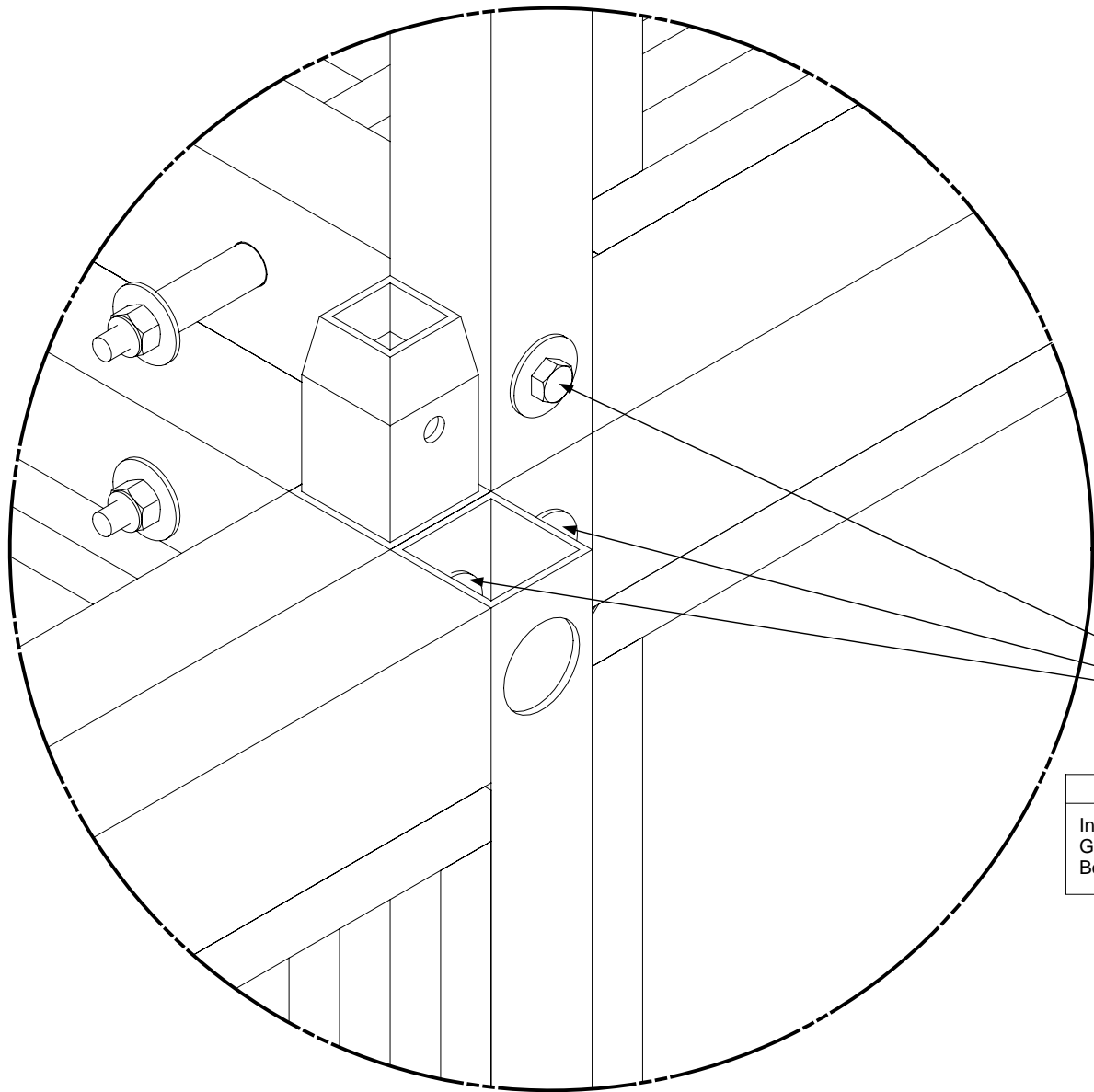


**FIELD NOTES**  
 Corner Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 6"  
 Bolts torqued to minimum of 20 ft. lbs.



**DRAWING**  
 Site Assembly  
 Cell D  
 View B & C  
 Installation-Bolts  
 Detail 11





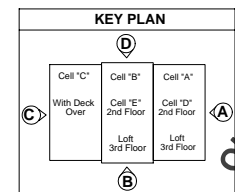
#### FIELD NOTES

Intermediate Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts torqued to minimum of 20 ft. lbs.



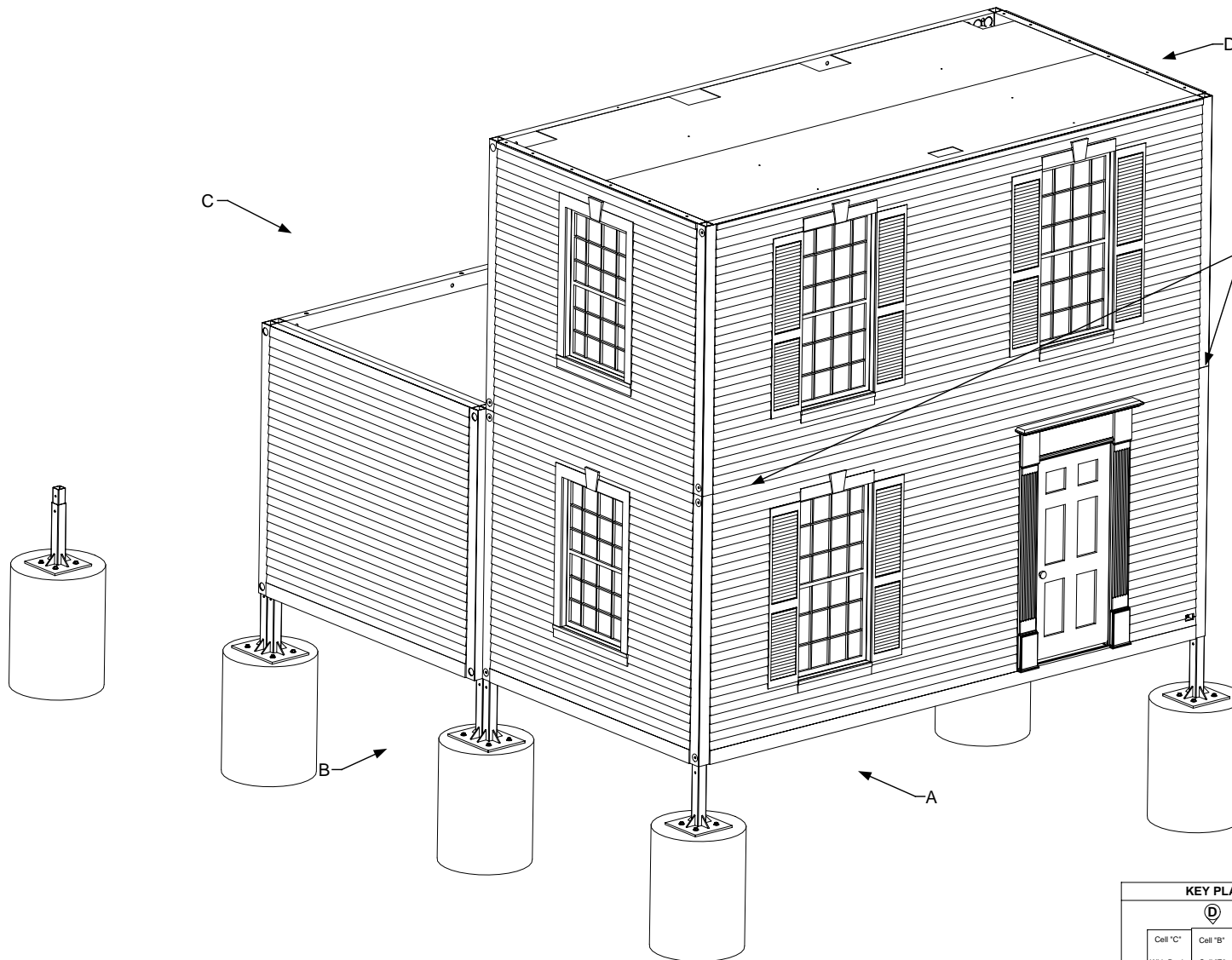
#### DRAWING

Site Assembly  
Cell D  
View B & C  
Installation-Bolts  
Detail 12



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BOARD OF ARCHITECTS  
STATE OF OHIO





# FIELD NOTES

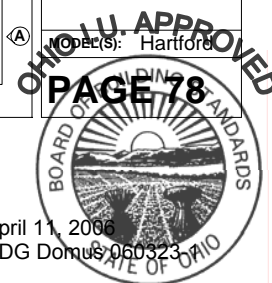
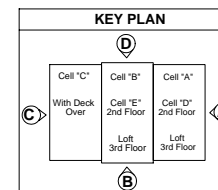
Uniroyal Silaprene  
Adhesive/Sealant  
applied to edge



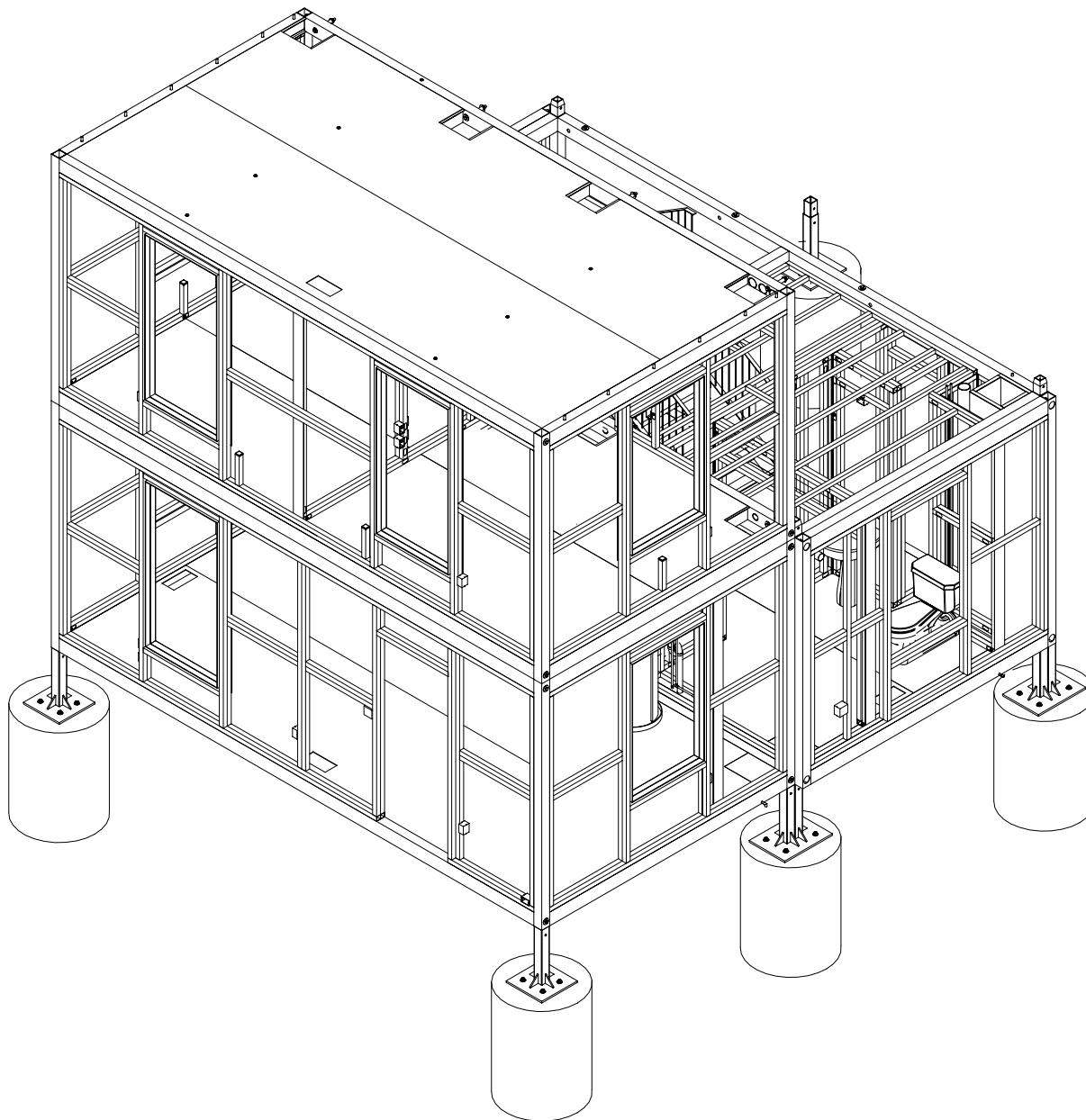
## DRAWING

Site Assembly  
Cell D  
View A & B  
Installation-Cell to  
cell  
Cell mounted  
Exterior view

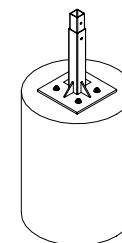
DESIGNED BY: Hartford





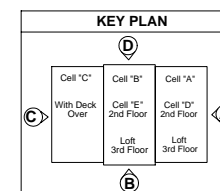


QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to frame
	Bolts and Nuts installed
	Bolt/Nut Count - 4
	Adhesive/Sealant applied to exterior edges between Cell



DRAWING

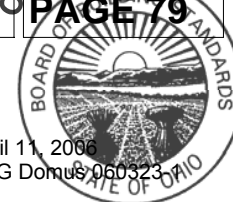
Site Assembly  
Cell D  
View A & D  
Installation-Cell to cell  
Cell mounted  
Finished checklist



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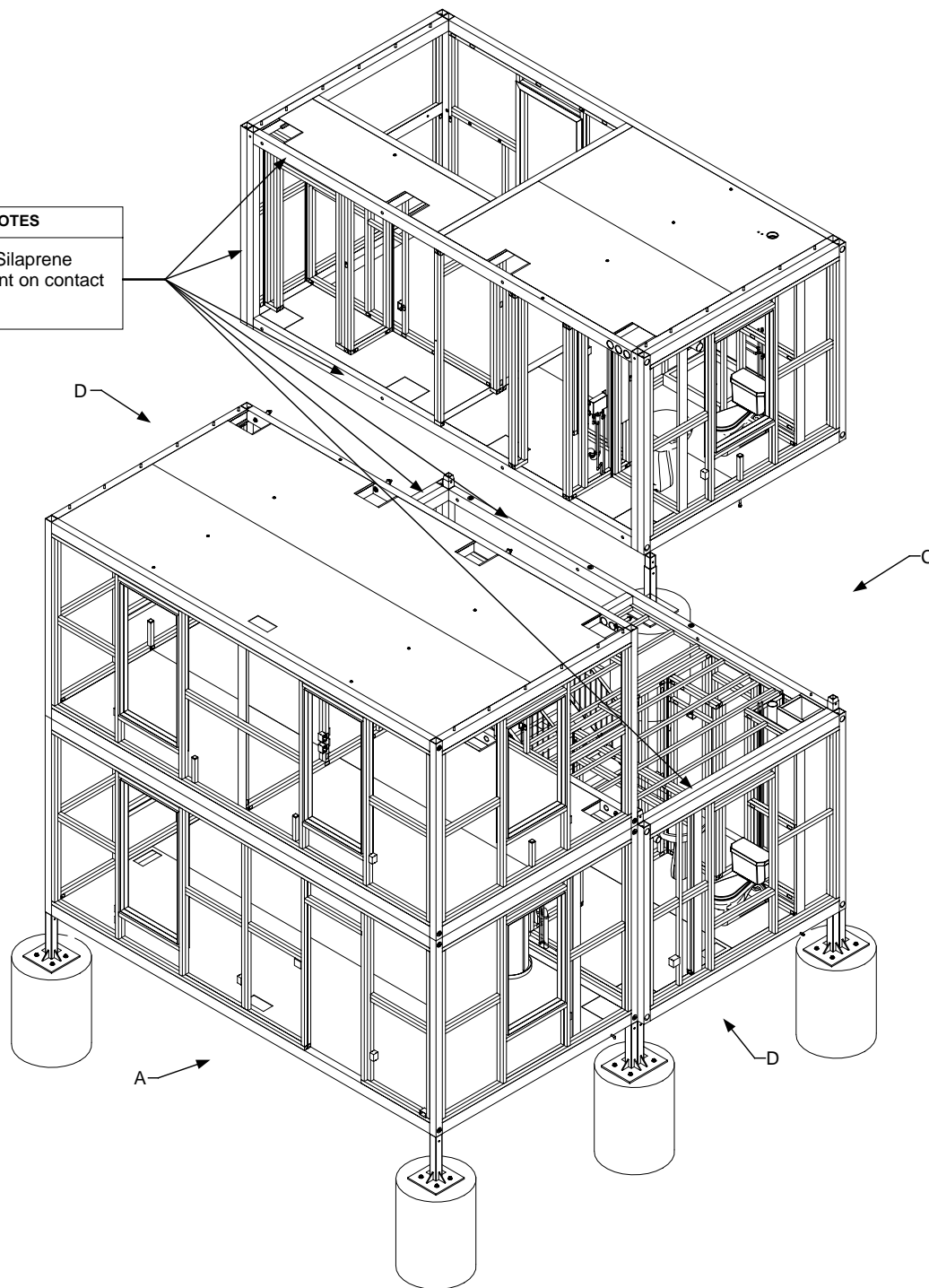
DATE(S): Hartford

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**FIELD NOTES**

Apply Uniroyal Silaprene  
Adhesive/Sealant on contact  
surfaces



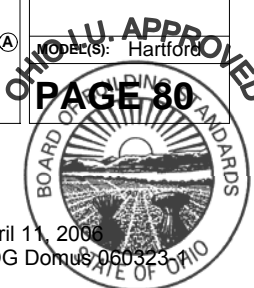
QA Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to frame
	Bolts and Nuts installed
	Bolt/Nut Count - 22
	Plumbing reconnection
	Plumbing test
	Electrical reconnection
	Electrical test
	Edges between cell and Access hatches are filled level with Weld-On Sealant
	Plaster work: Embed elastomeric plaster and tape
	Adhesive/Sealant applied to exterior edges between Cell
	United Duct Seal "Uni-Seal" sealant applied to duct edge

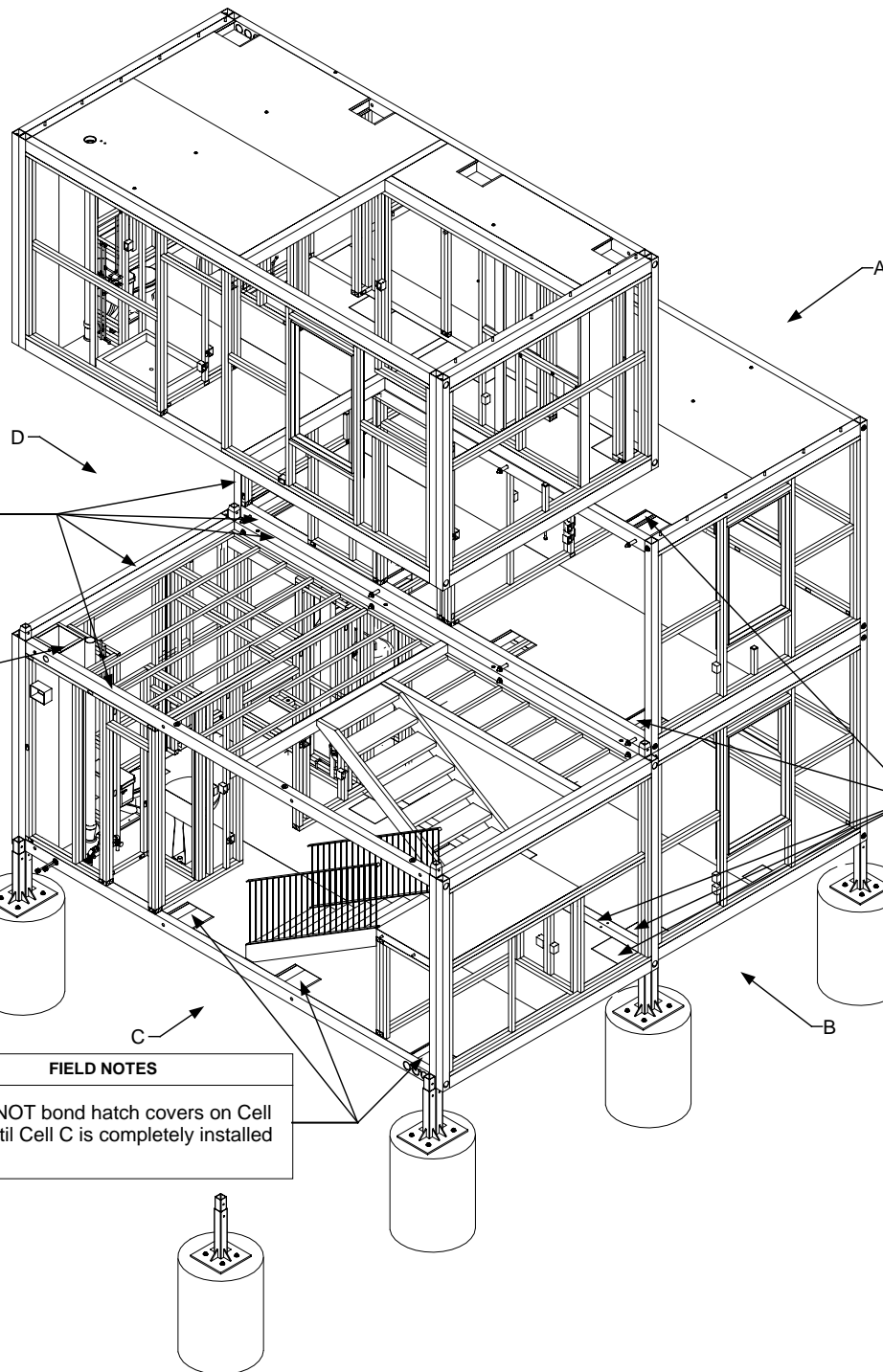


KEY PLAN	
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor
Cell "A" Cell "D" 2nd Floor	Loft 3rd Floor

**DRAWING**

Site Assembly  
Cell E  
View A & D  
Installation-Cell to  
cell  
Setting cell





#### FIELD NOTES

Apply Uniroyal Silaprene  
Adhesive/Sealant on contact surfaces

#### FIELD NOTES

Apply McGill AirSeal Corporation's  
United Duct Sealer "Uni-Seal" UL  
Classified as Class 1 with flame spread  
rate of 15 to duct edge

#### FIELD NOTES

Edges and Access hatches filled,  
leveled with Weld-On Sealant

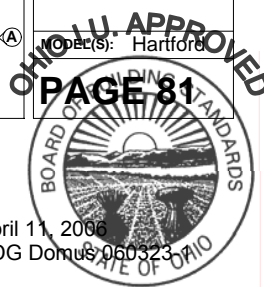
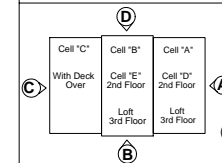
#### FIELD NOTES

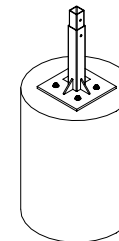
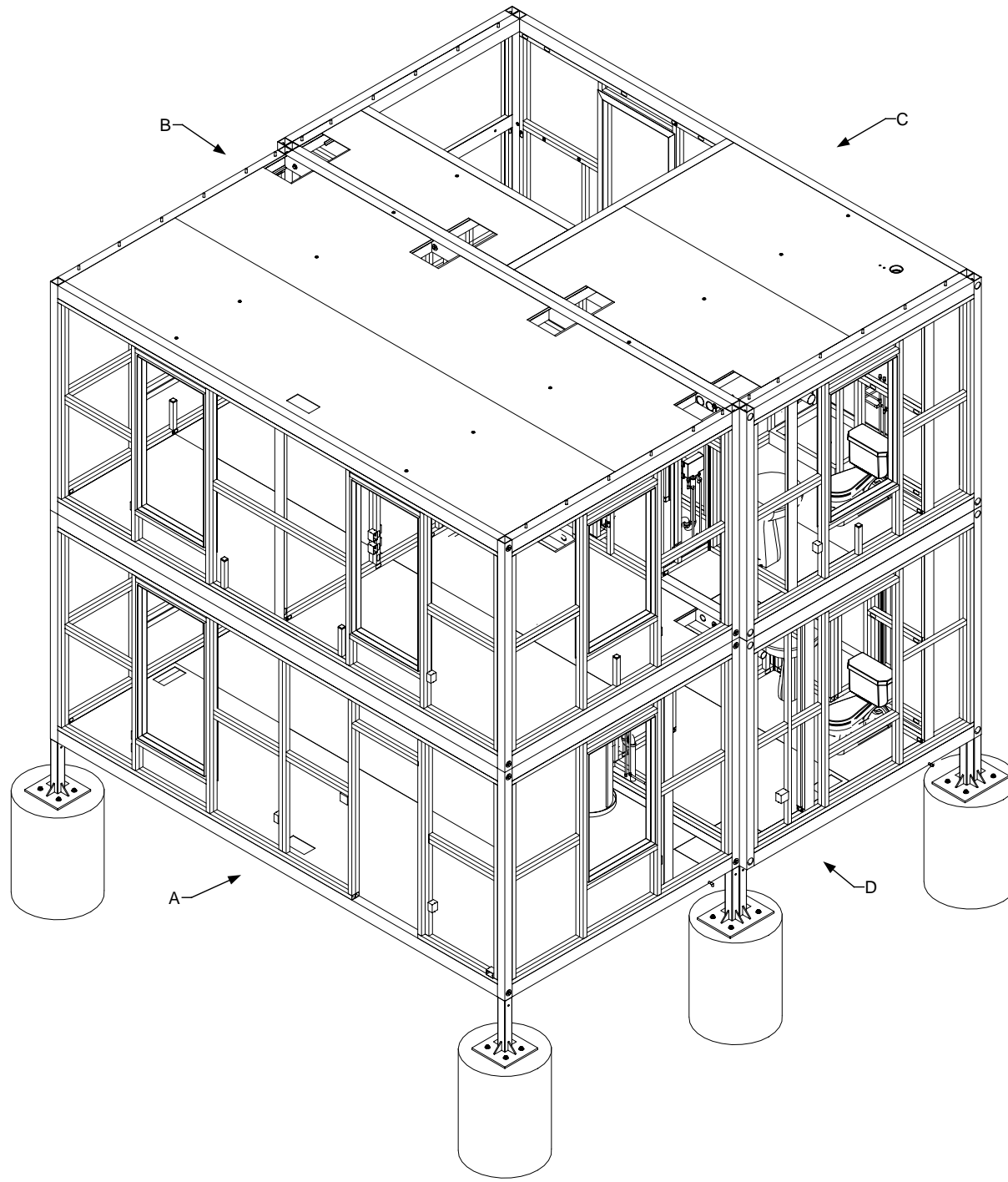
DO NOT bond hatch covers on Cell B  
until Cell C is completely installed

#### DRAWING

Site Assembly  
Cell E  
View B & C  
Installation-Cell to  
cell  
Setting cell

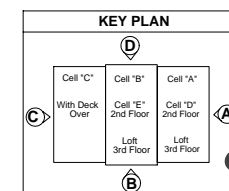
#### KEY PLAN



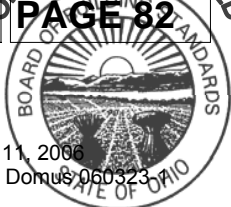


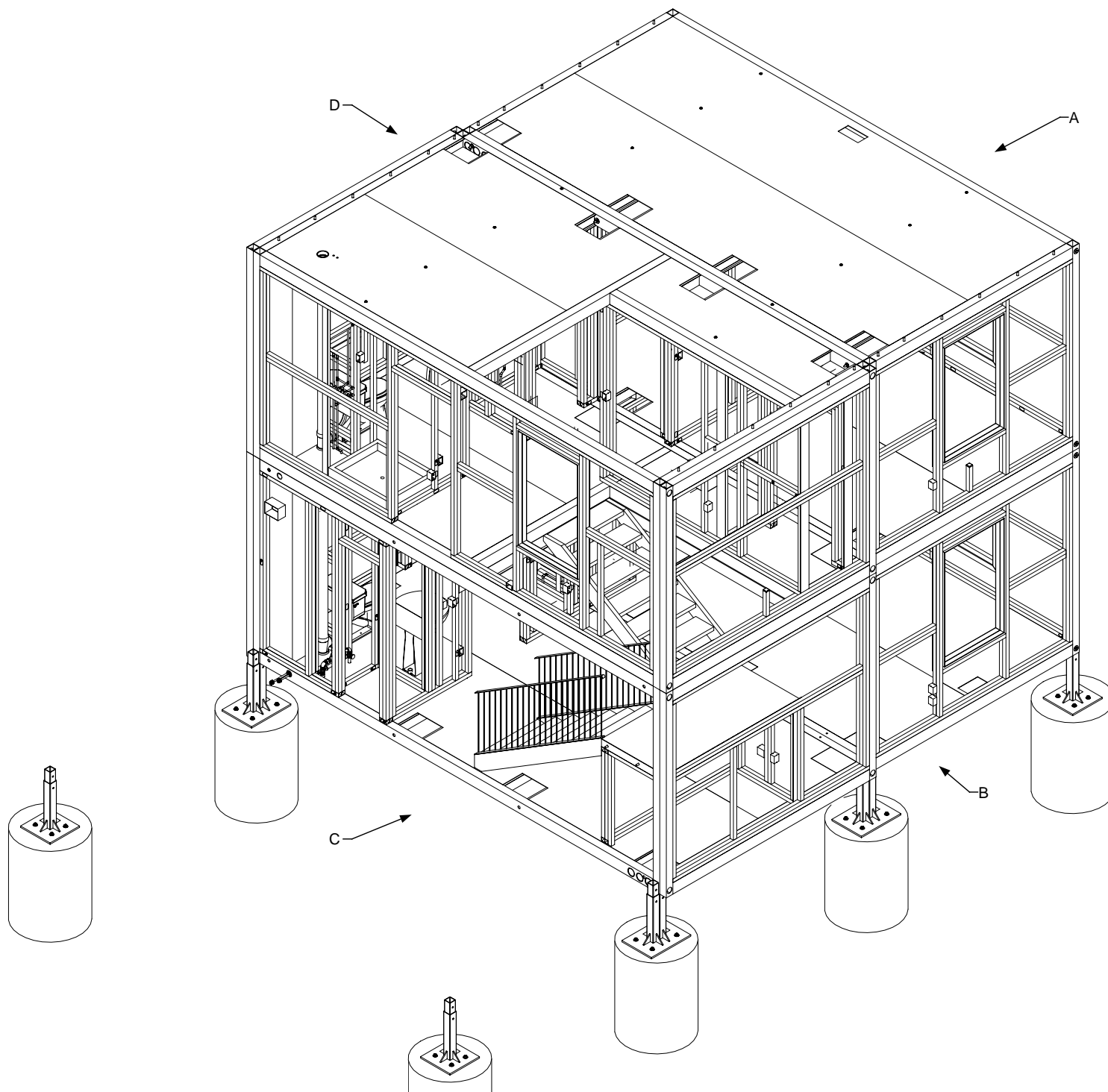
# DRAWING

Site Assembly  
Cell E  
View A & D  
Installation-Cell to  
cell  
Cell mounted

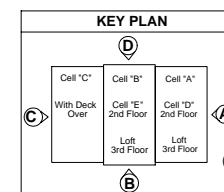


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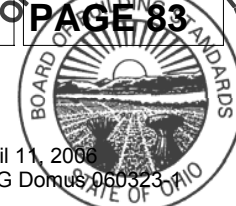


DRAWING  
Site Assembly  
Cell E  
View B & C  
Installation-Cell to  
cell  
Cell mounted

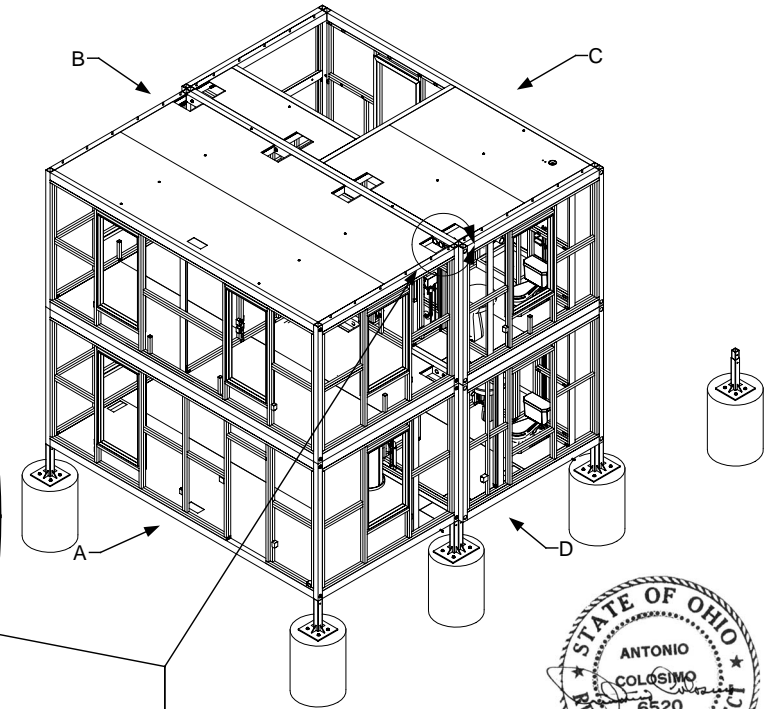
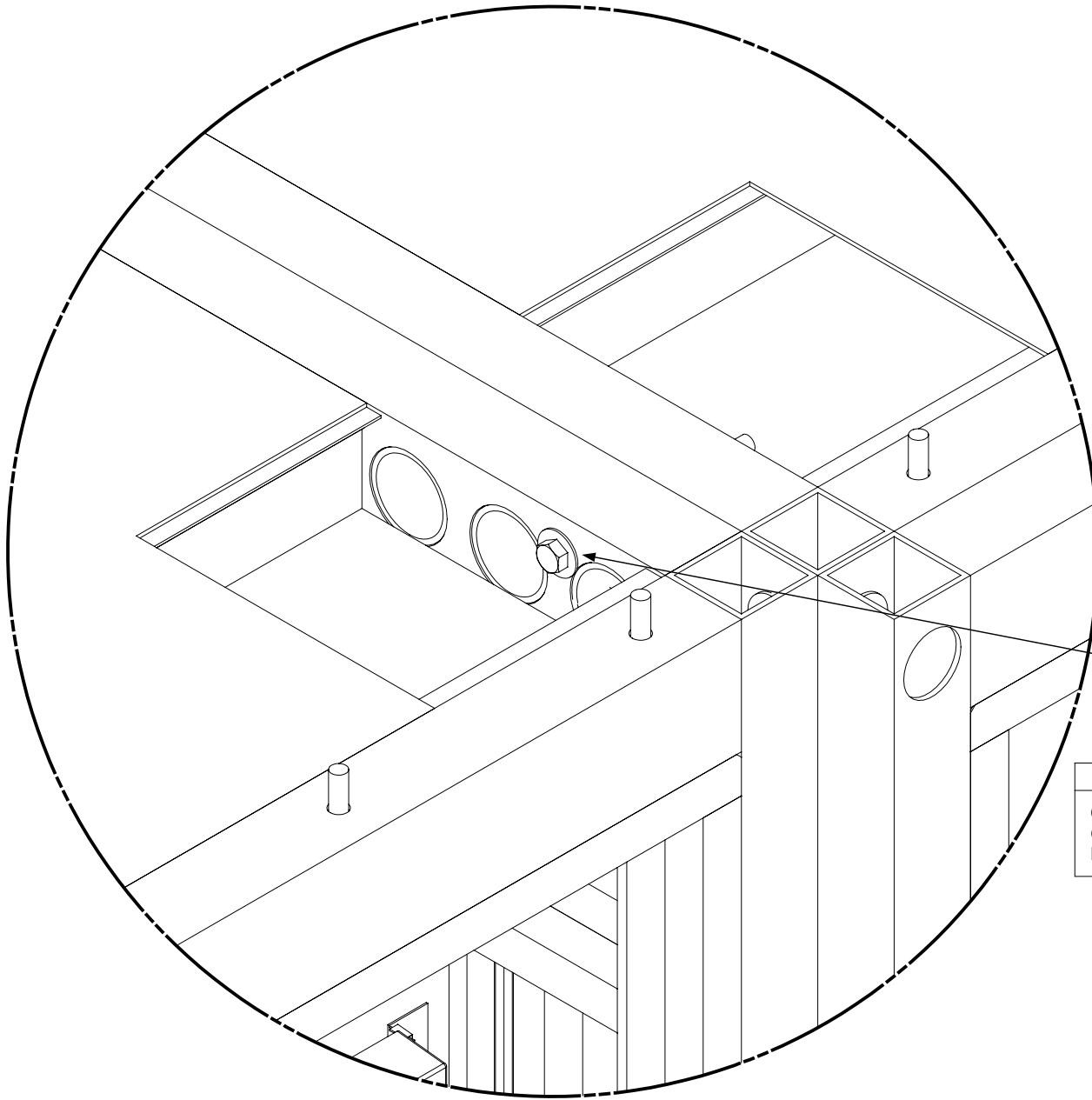


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DESIGNED BY: Hartford

April 11, 2006  
PDG Domus 060323



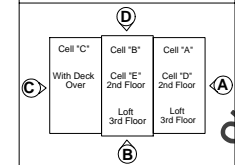




#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

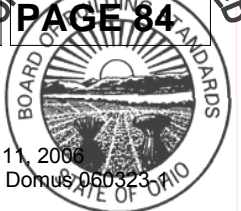
#### KEY PLAN



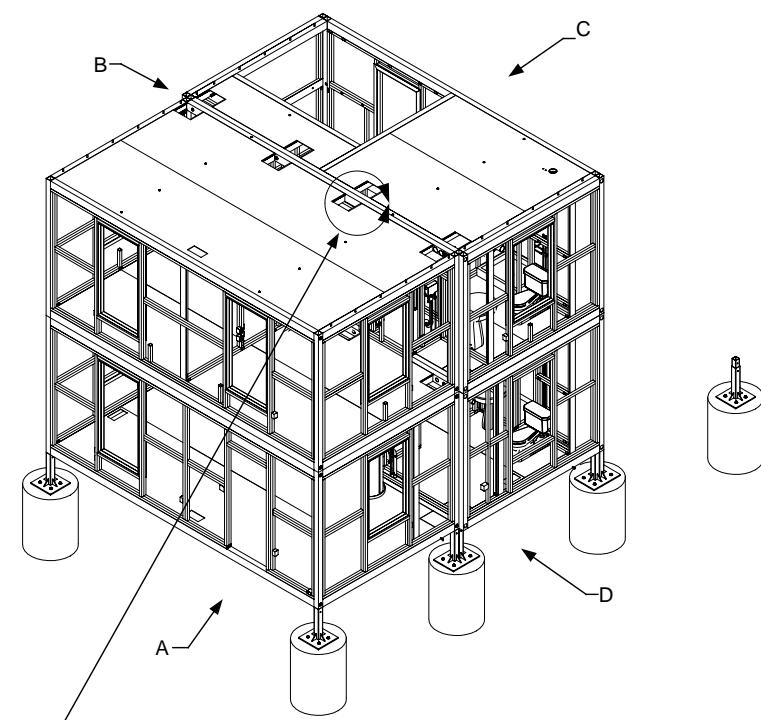
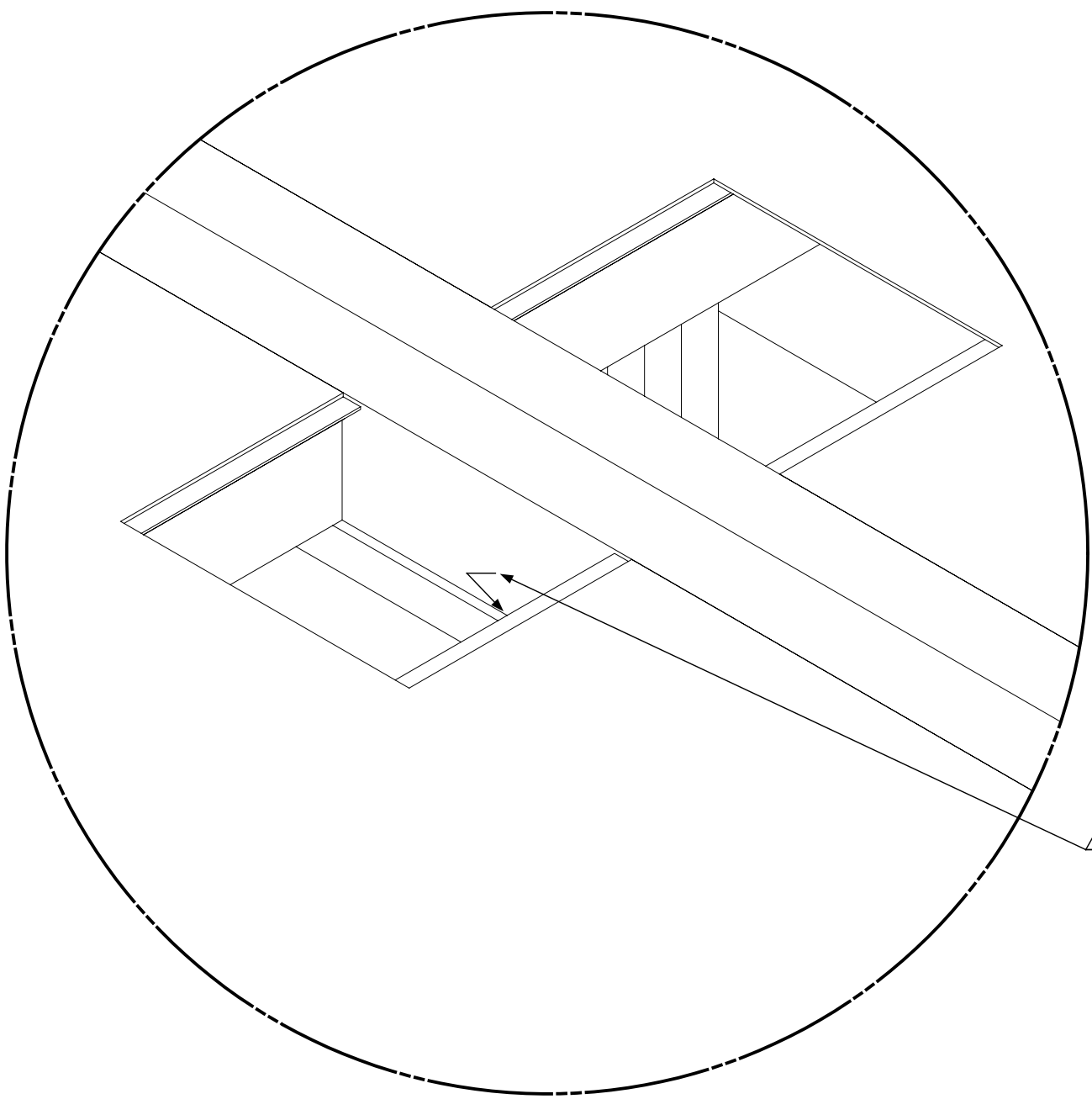
#### DRAWING

Site Assembly  
Cell E  
View A & D  
Installation-Bolts  
Detail 1

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DESIGNED BY: Hartford





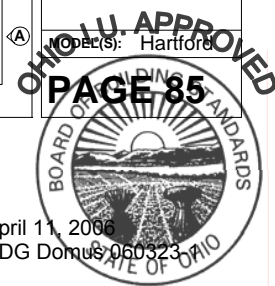
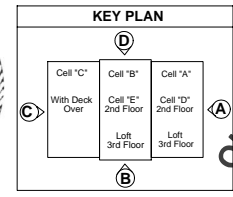


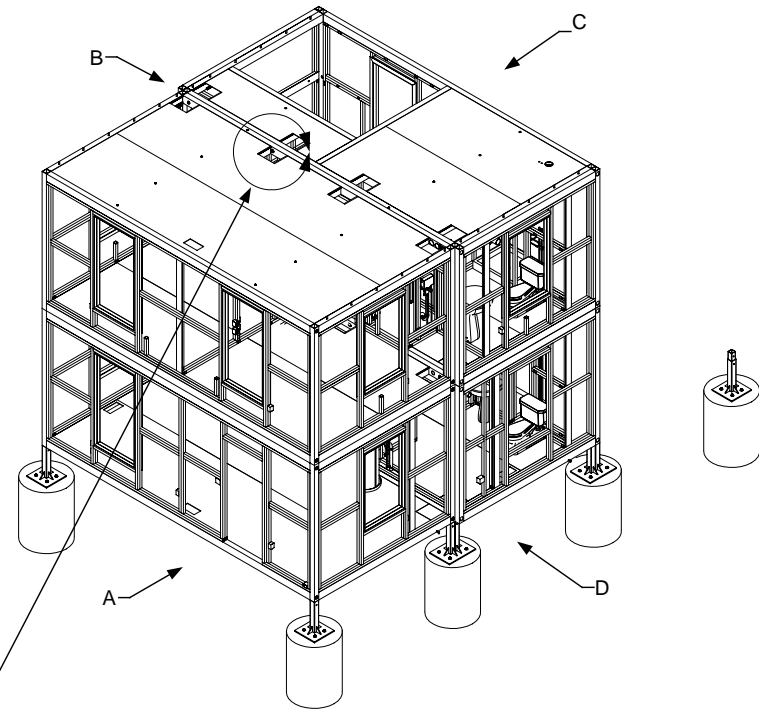
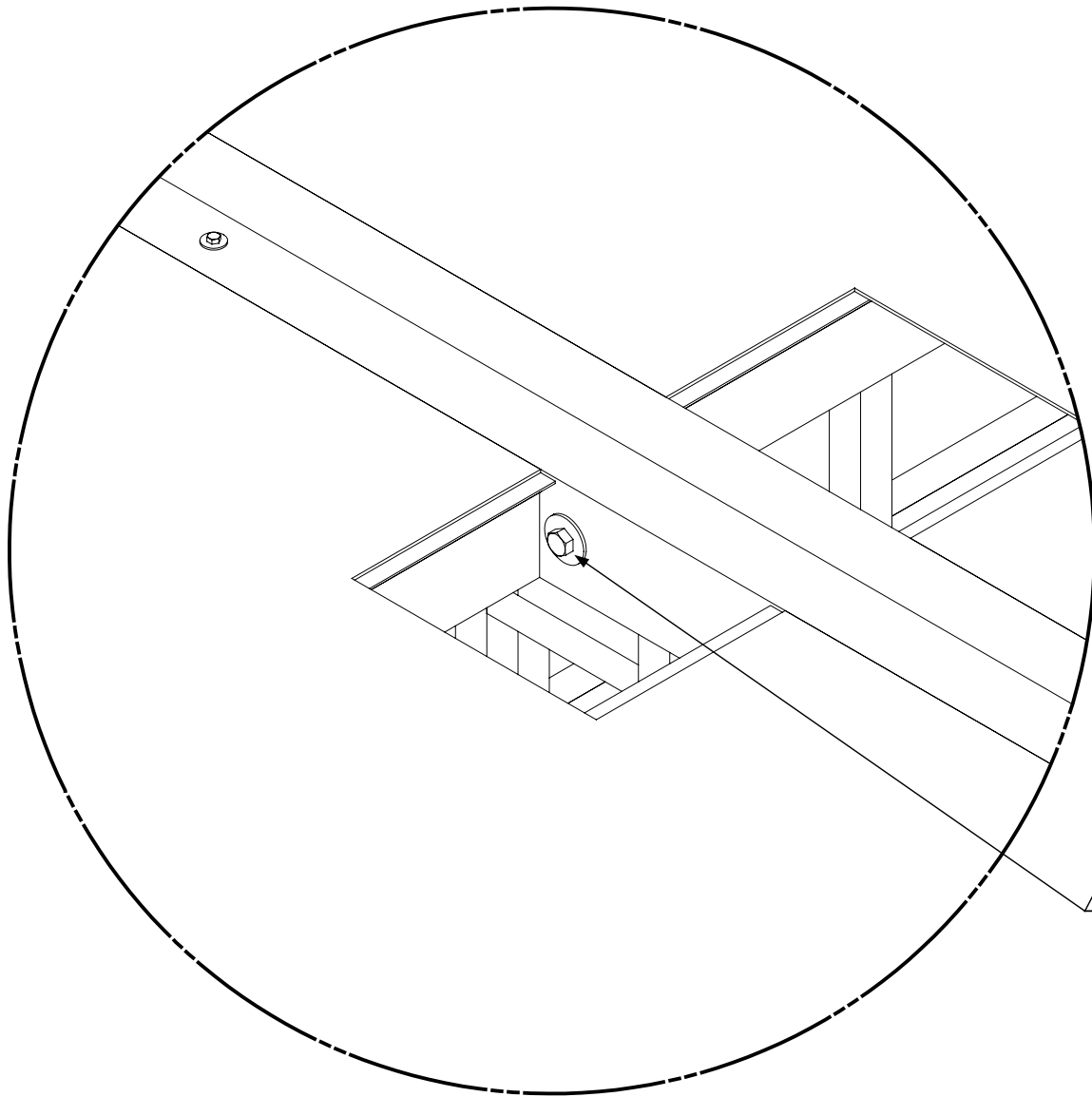
**FIELD NOTES**

Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 9 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.

**DRAWING**

Site Assembly  
 Cell E  
 View A & D  
 Installation-Bolts  
 Detail 2



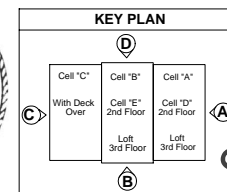


#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

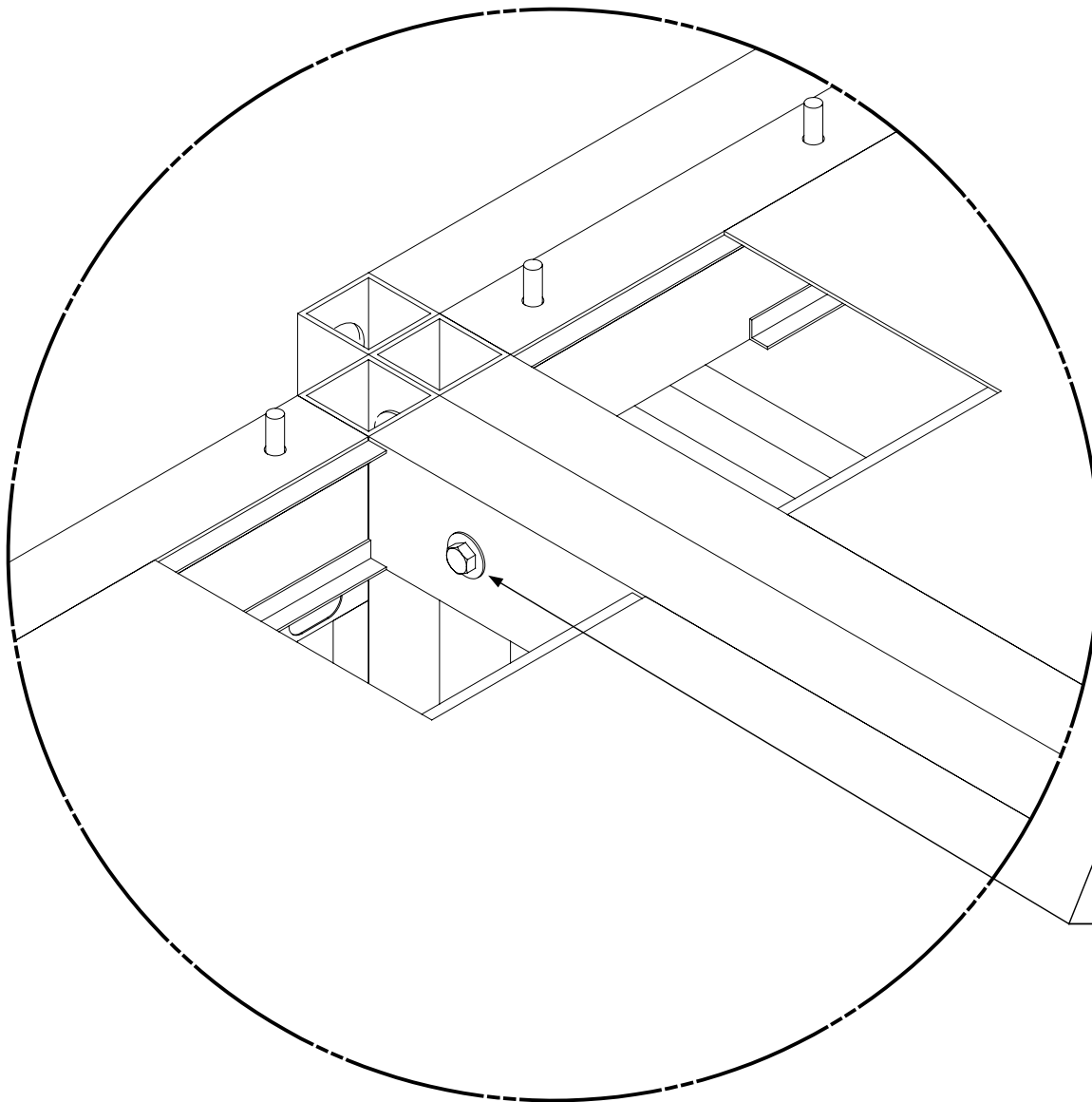
#### DRAWING

Site Assembly  
Cell E  
View A & D  
Installation-Bolts  
Detail 3



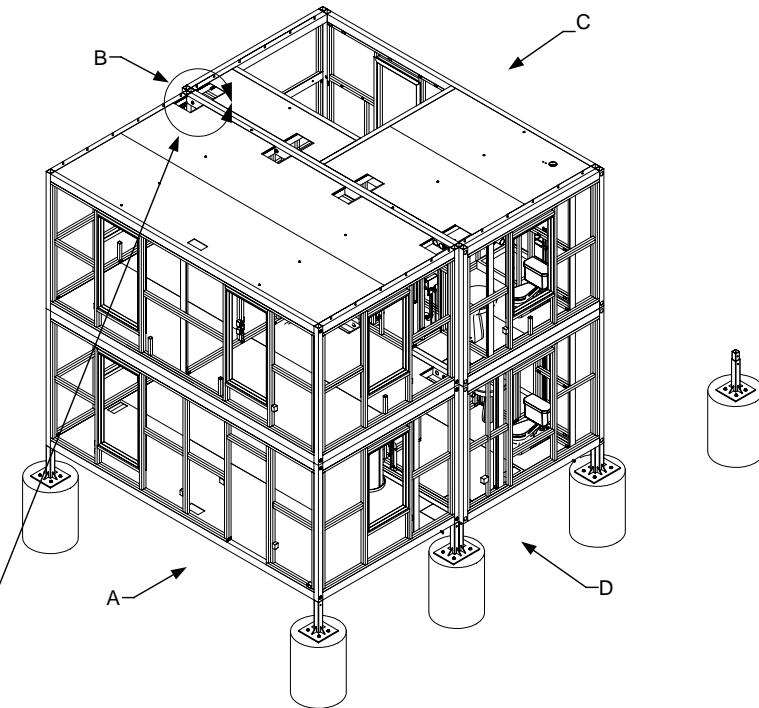
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Hartford





**FIELD NOTES**

Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 9 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.



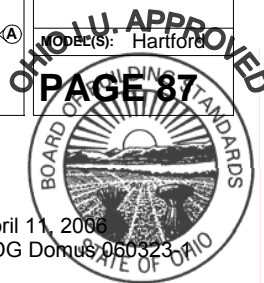
**DRAWING**

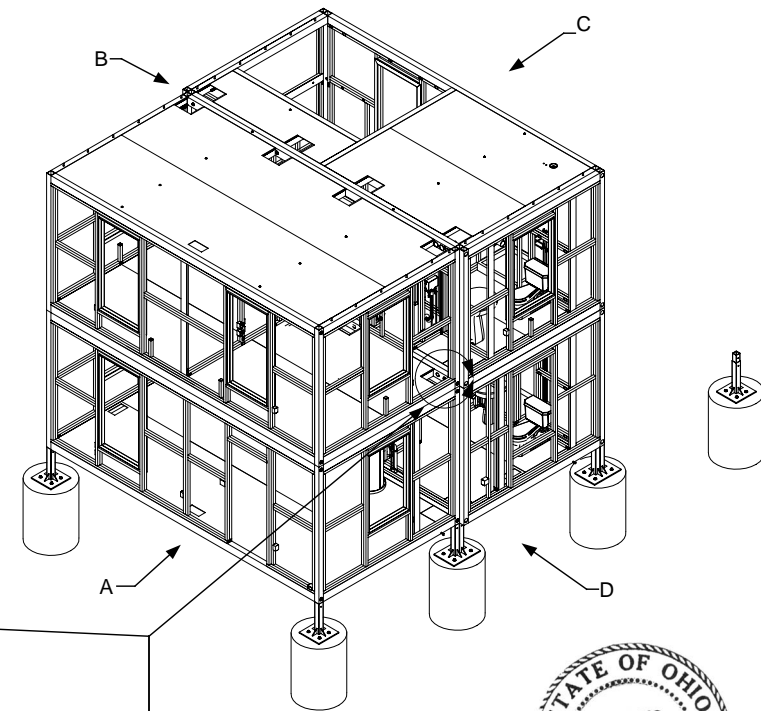
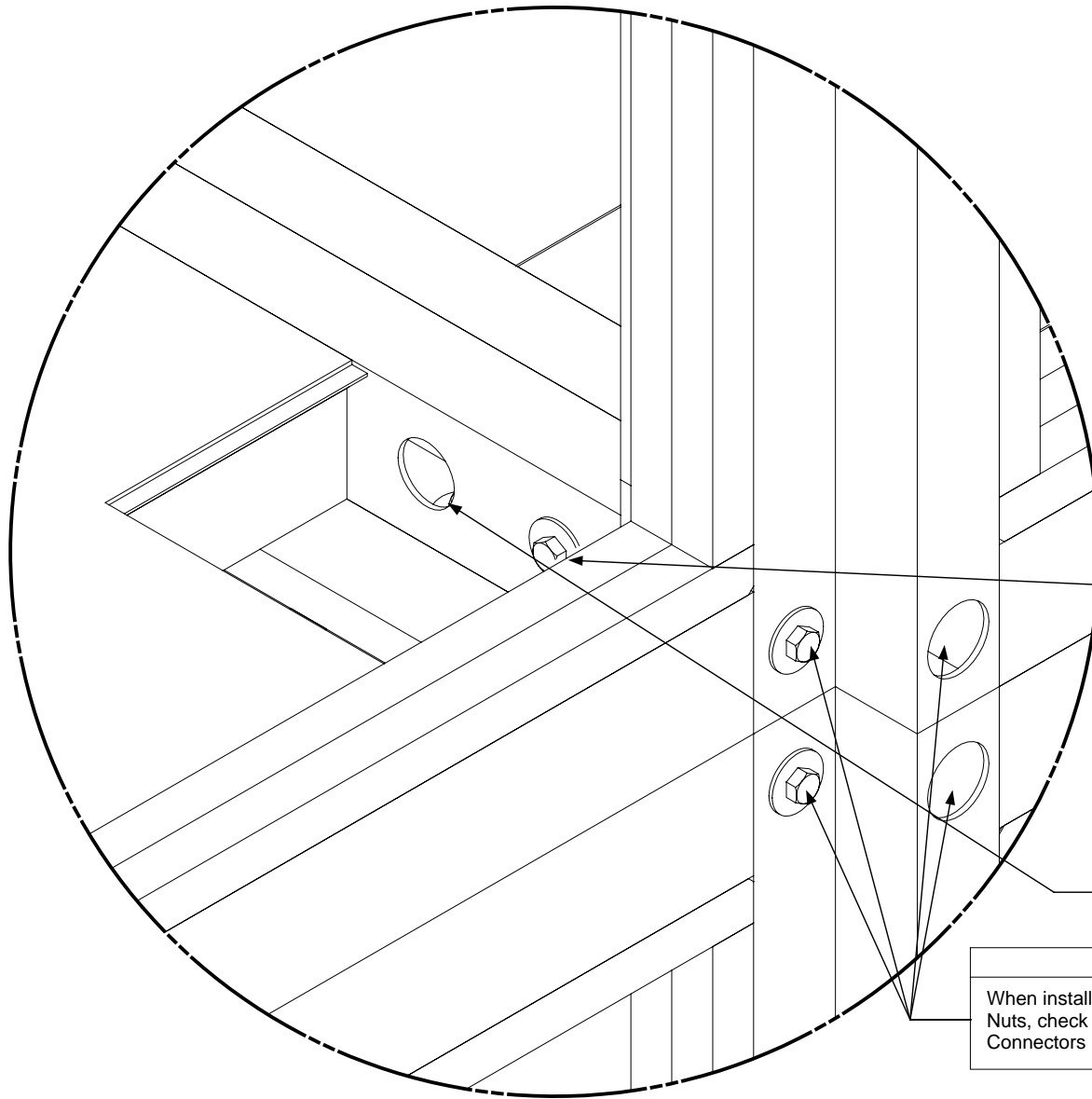
Site Assembly  
 Cell E  
 View A & D  
 Installation-Bolts  
 Detail 4



**KEY PLAN**

D		
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
	Loft 3rd Floor	Loft 3rd Floor
B		





#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

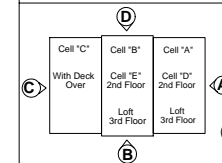
#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 1 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

#### FIELD NOTES

When installing Connector Bolts & Nuts, check torque rating on other Connectors

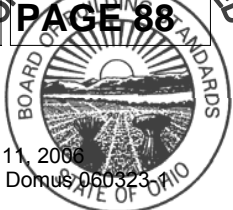
#### KEY PLAN

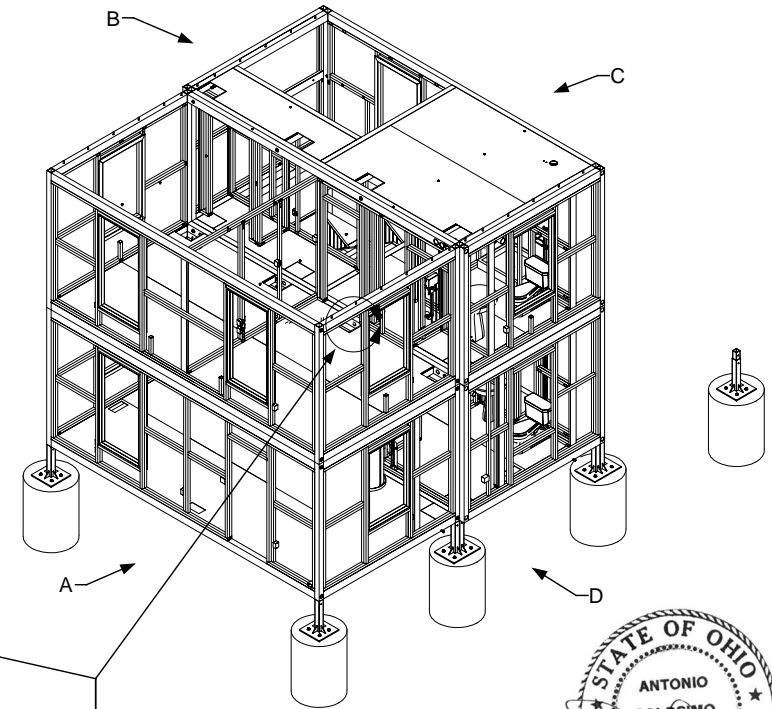
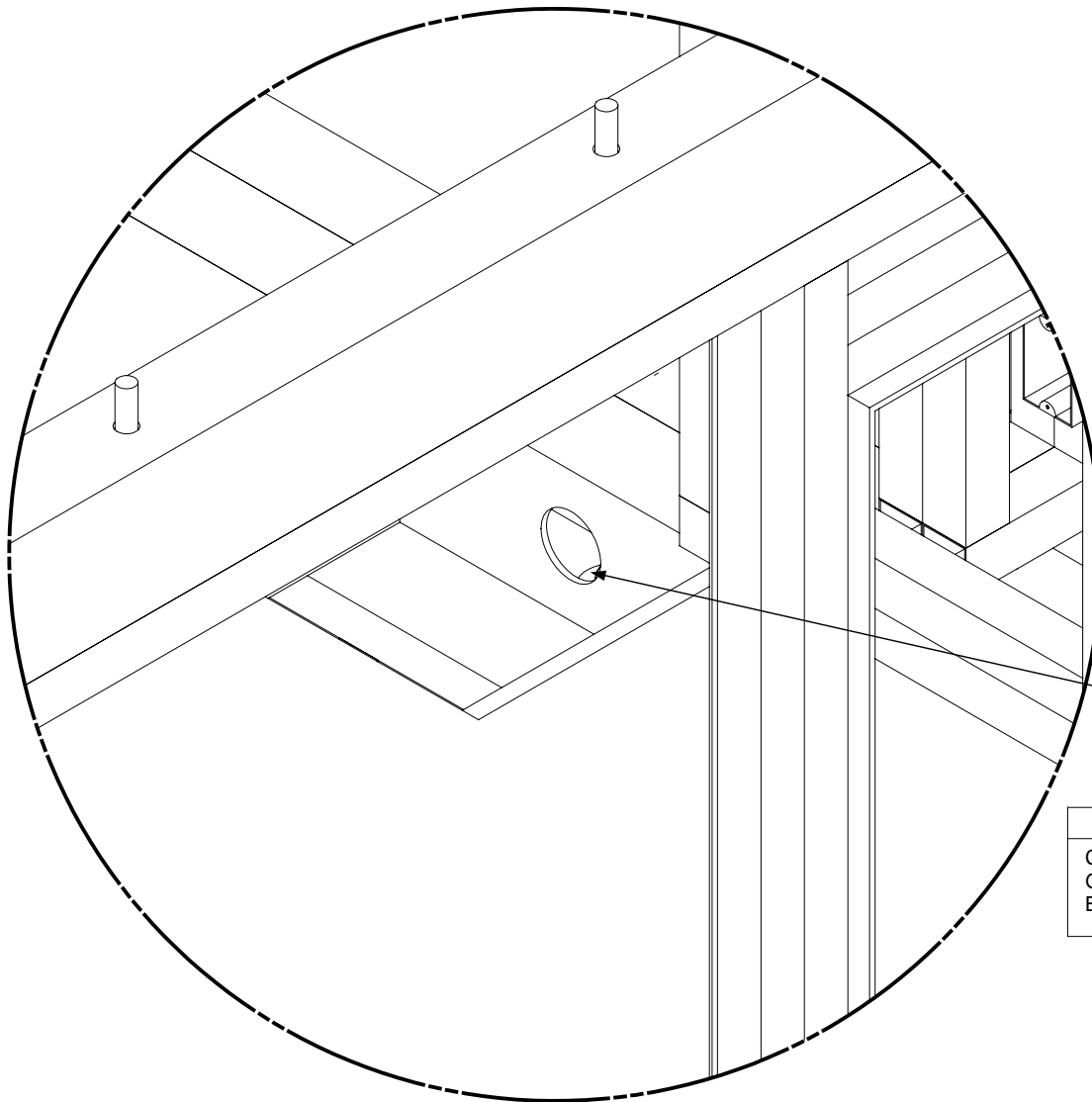


#### DRAWING

Site Assembly  
Cell E  
View A & D  
Installation-Bolts  
Detail 5

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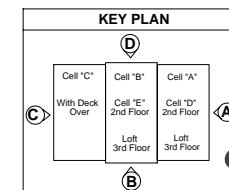
#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

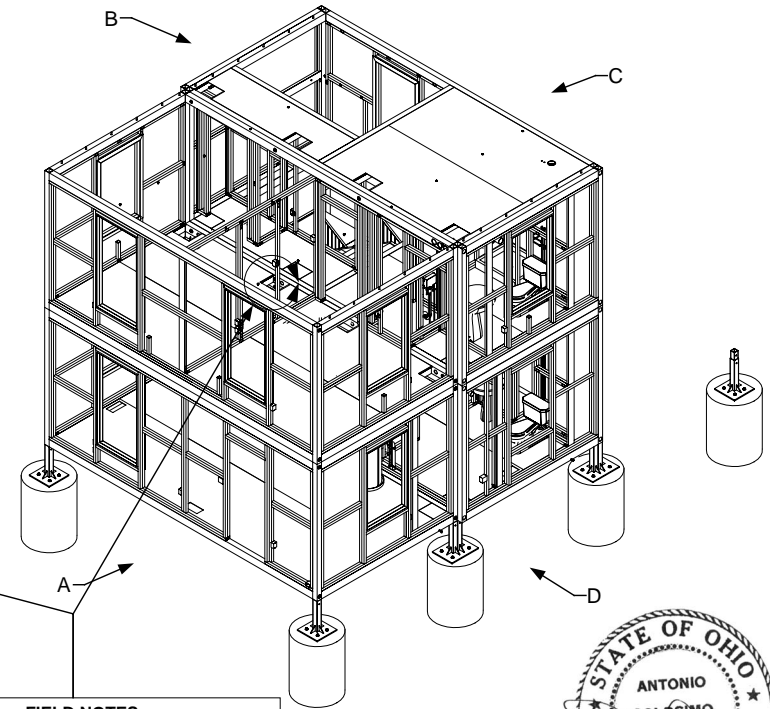
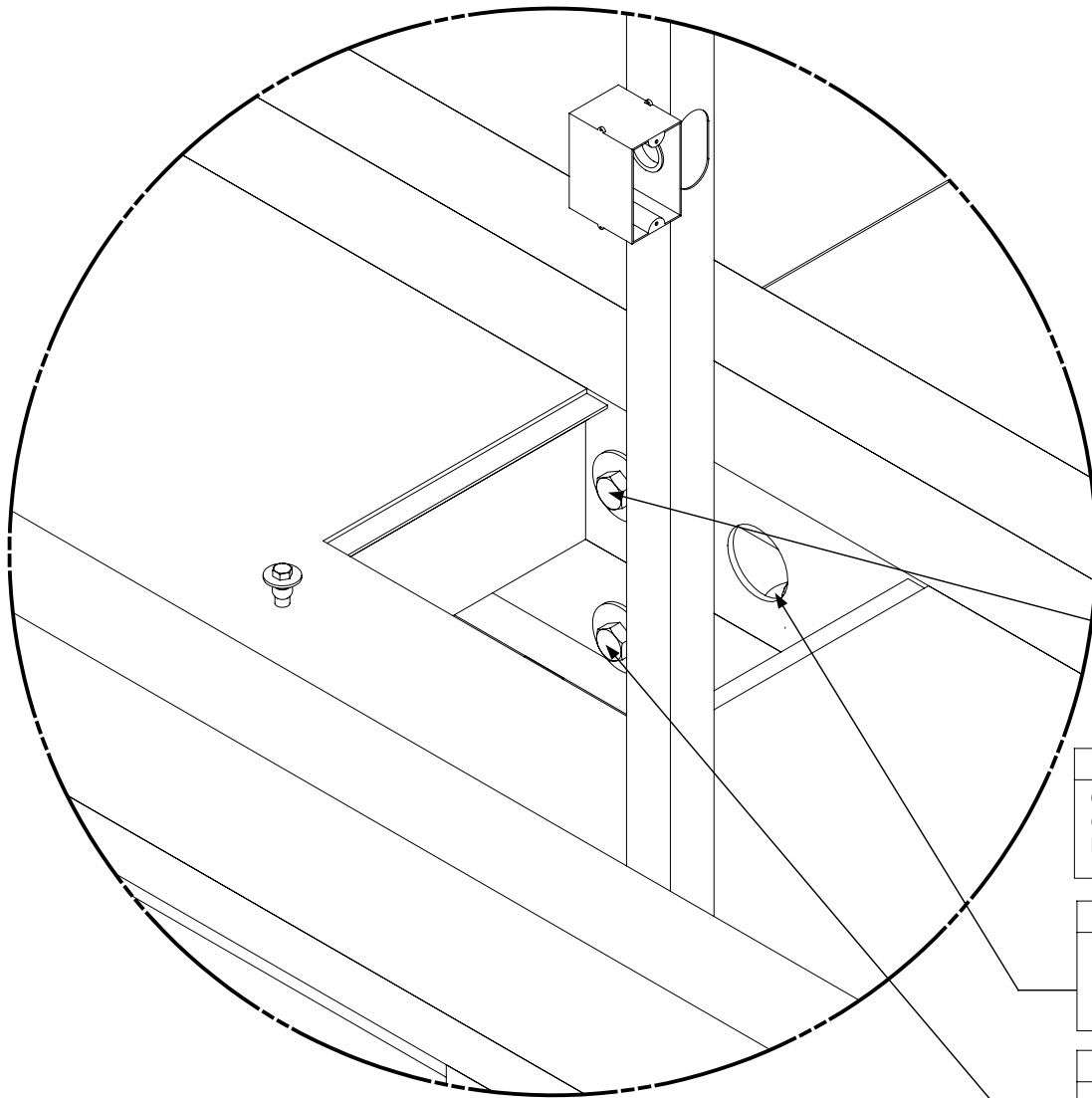


#### DRAWING

Site Assembly  
Cell E  
View A & D  
Installation-Bolts  
Detail 6



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STATE OF OHIO



**FIELD NOTES**

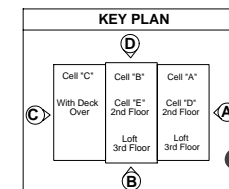
Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 9 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.

**FIELD NOTES**

Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 1 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.

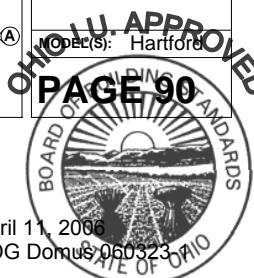
**FIELD NOTES**

When installing Connector Bolts & Nuts, check torque rating on other Connectors

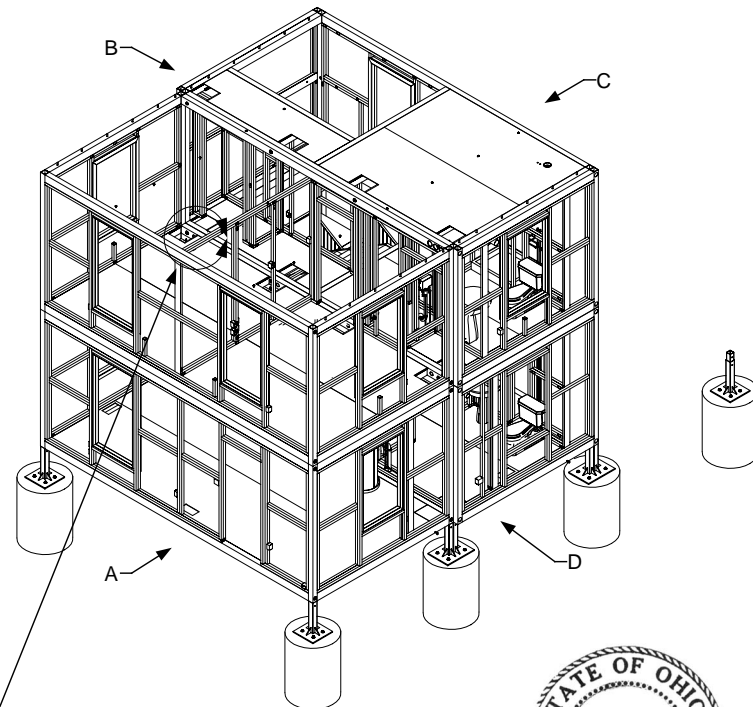
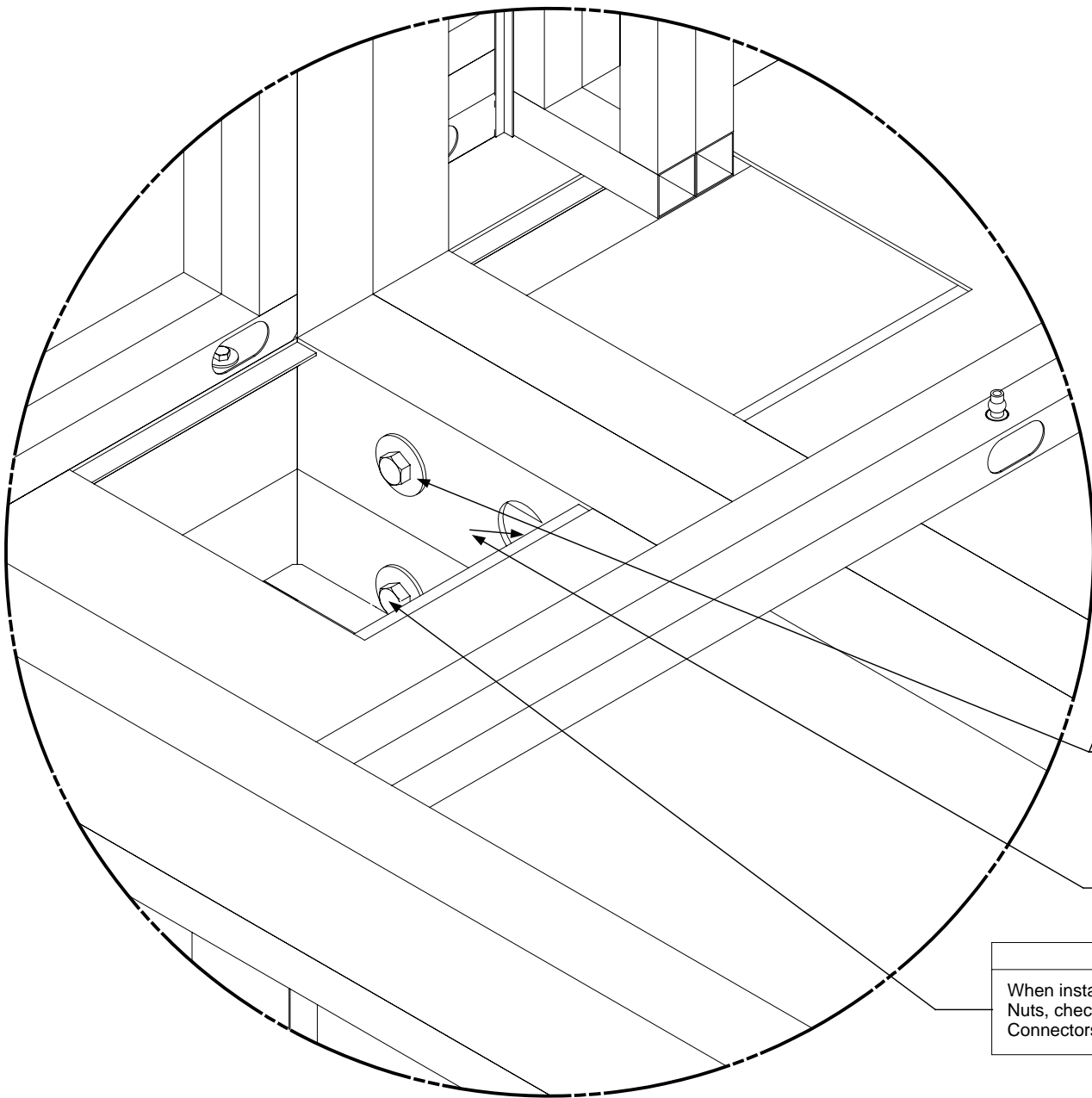


**DRAWING**

Site Assembly  
 Cell E  
 View A & D  
 Installation-Bolts  
 Detail 7







#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

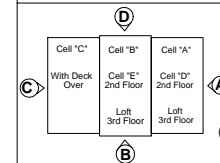
#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 1 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

#### FIELD NOTES

When installing Connector Bolts & Nuts, check torque rating on other Connectors

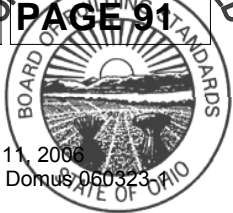
#### KEY PLAN

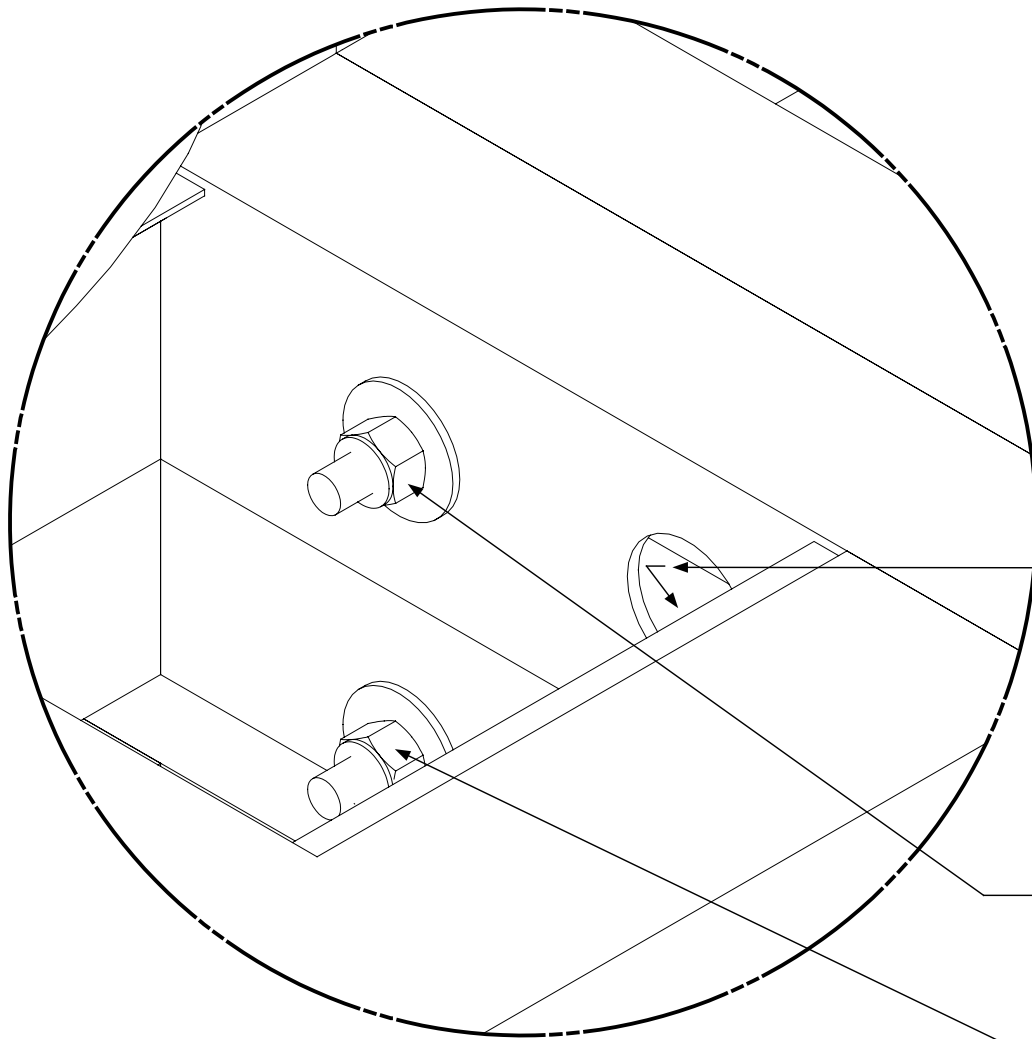


#### DRAWING

Site Assembly  
Cell E  
View A & D  
Installation-Bolts  
Detail 8

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**FIELD NOTES**

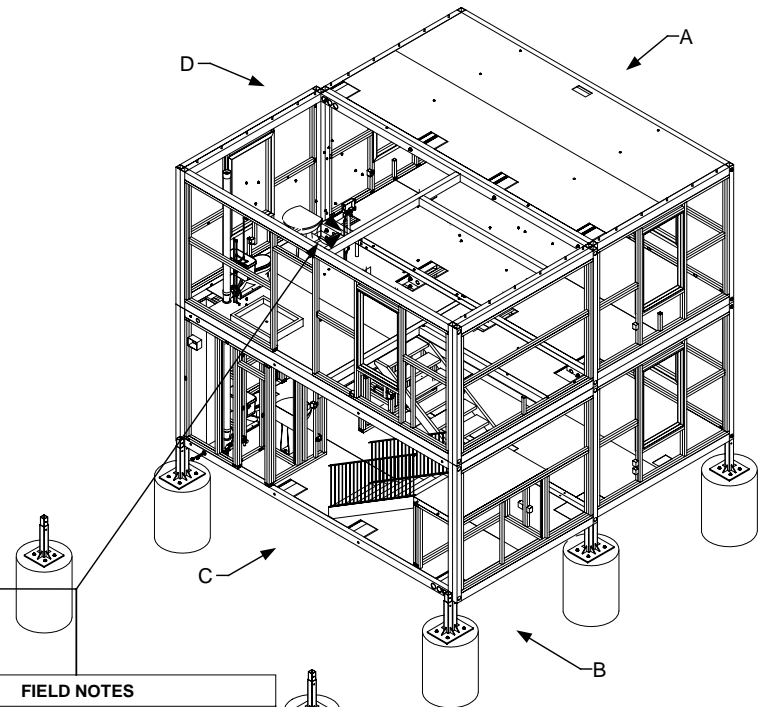
Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 1 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

**FIELD NOTES**

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

**FIELD NOTES**

When installing Connector Bolts & Nuts, check torque rating on other Connectors

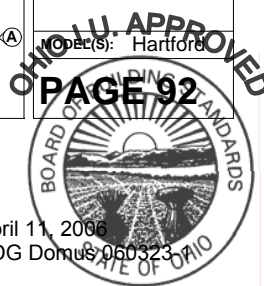


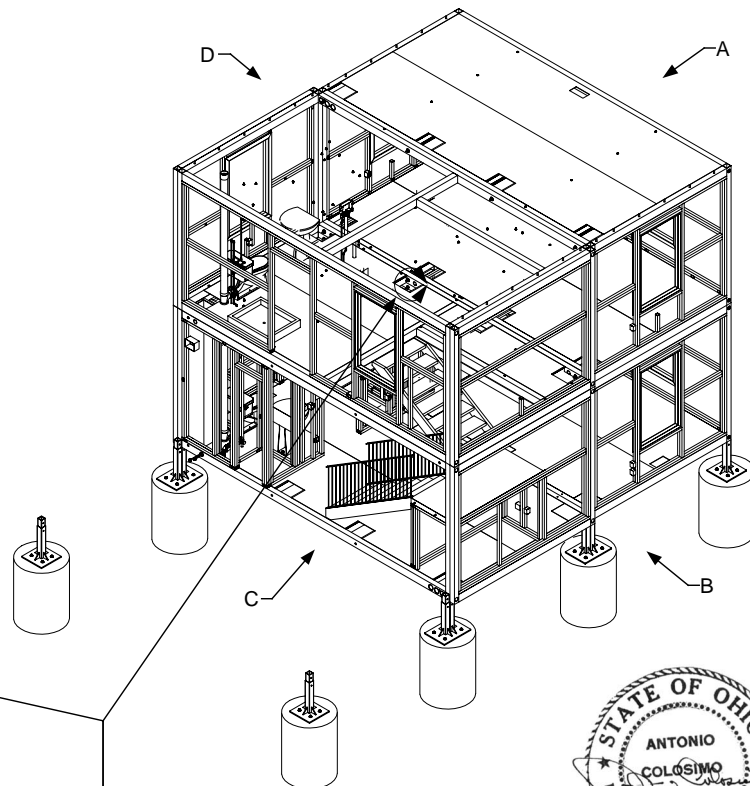
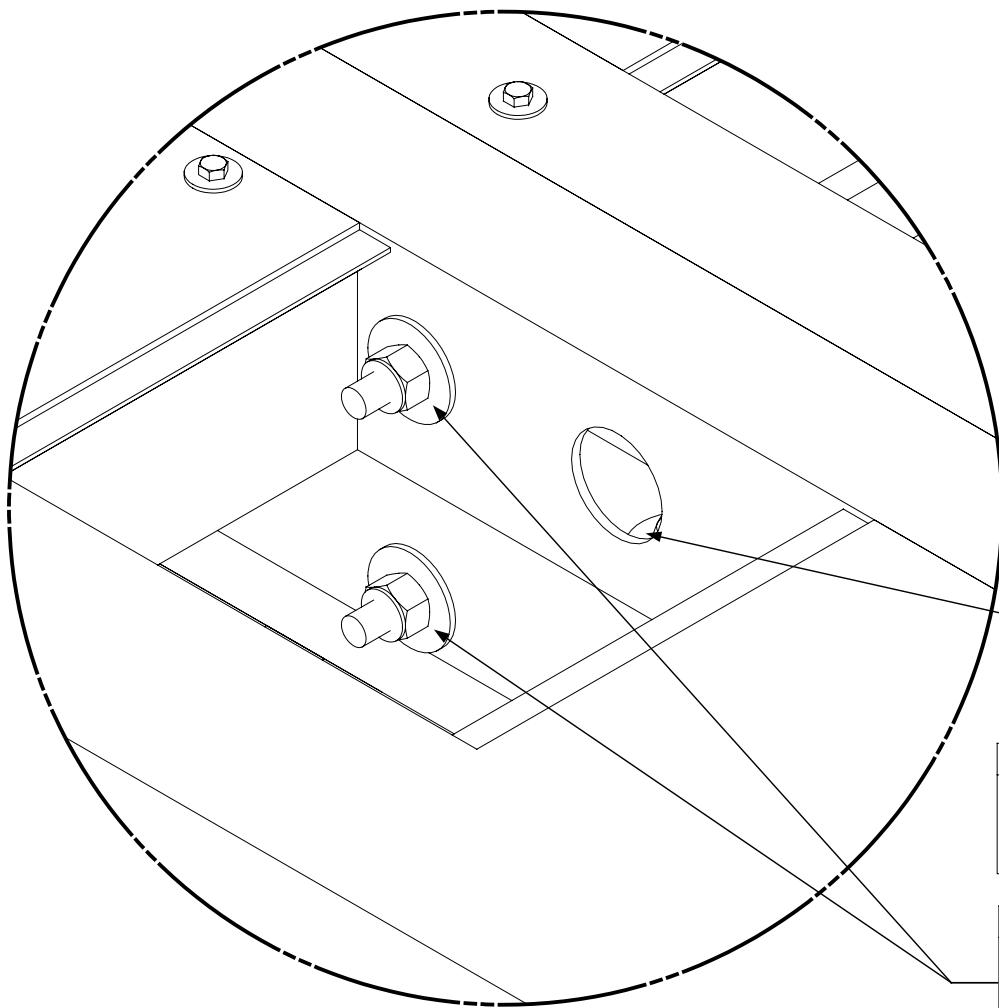
**KEY PLAN**

Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
	Loft 3rd Floor	Loft 3rd Floor

**DRAWING**

Site Assembly  
Cell E  
View B & C  
Installation-Bolts  
Detail 9





#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 1 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

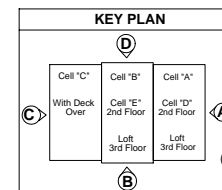
#### FIELD NOTES

When installing Connector Bolts & Nuts, check torque rating on other Connectors

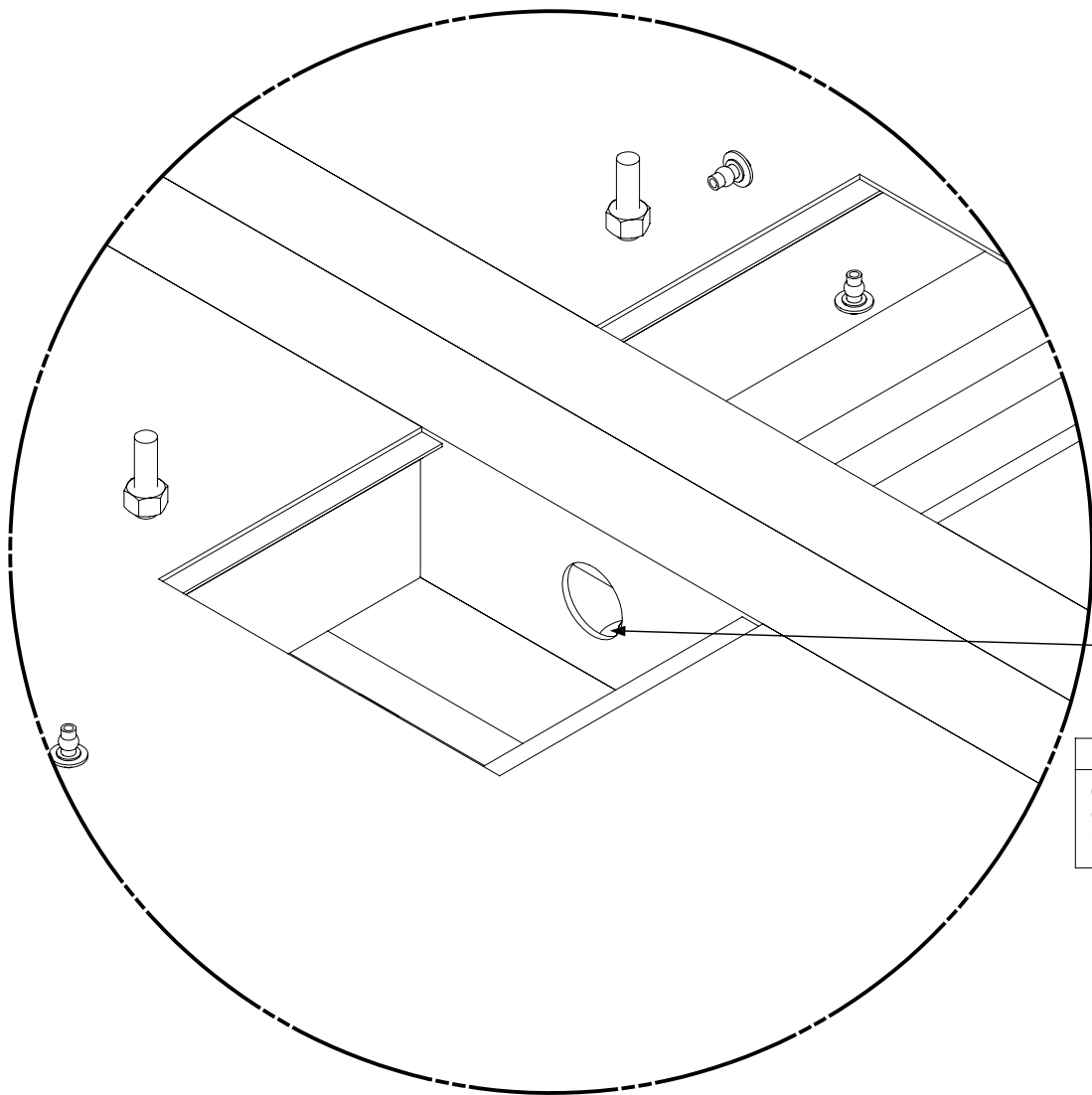


#### DRAWING

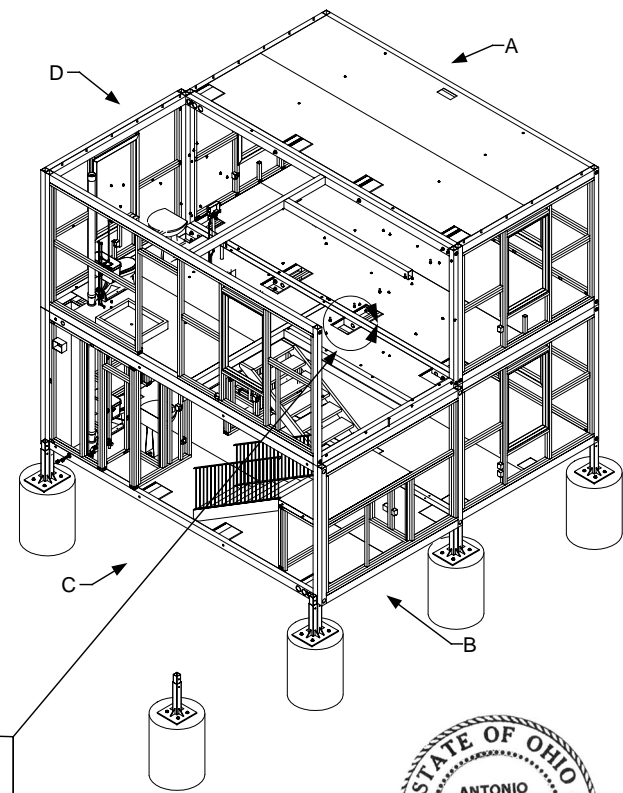
Site Assembly  
Cell E  
View B & C  
Installation-Bolts  
Detail 10



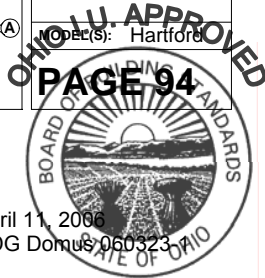
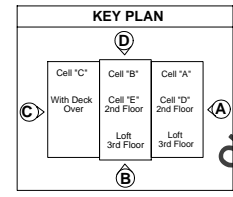
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STATE OF OHIO

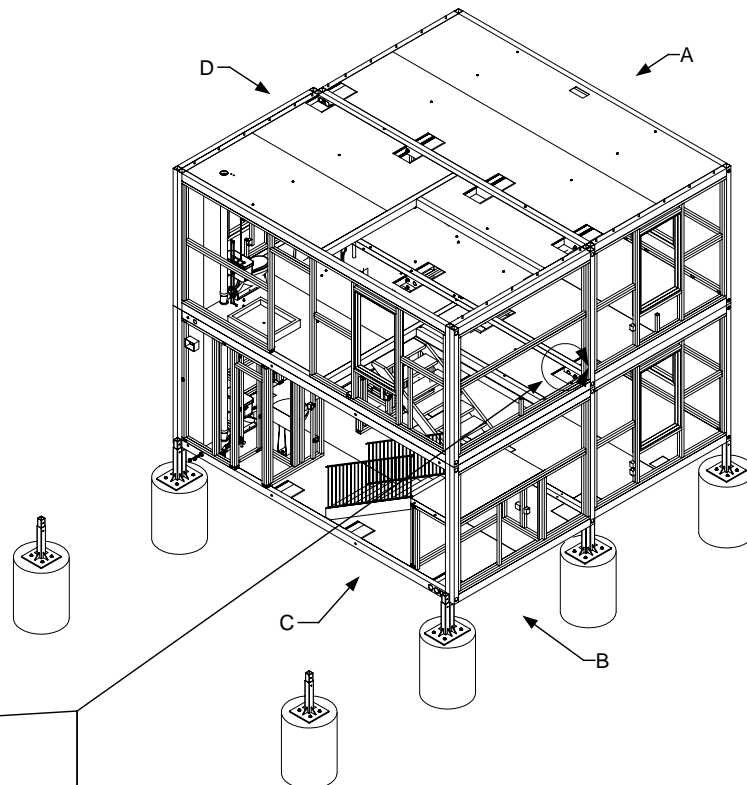
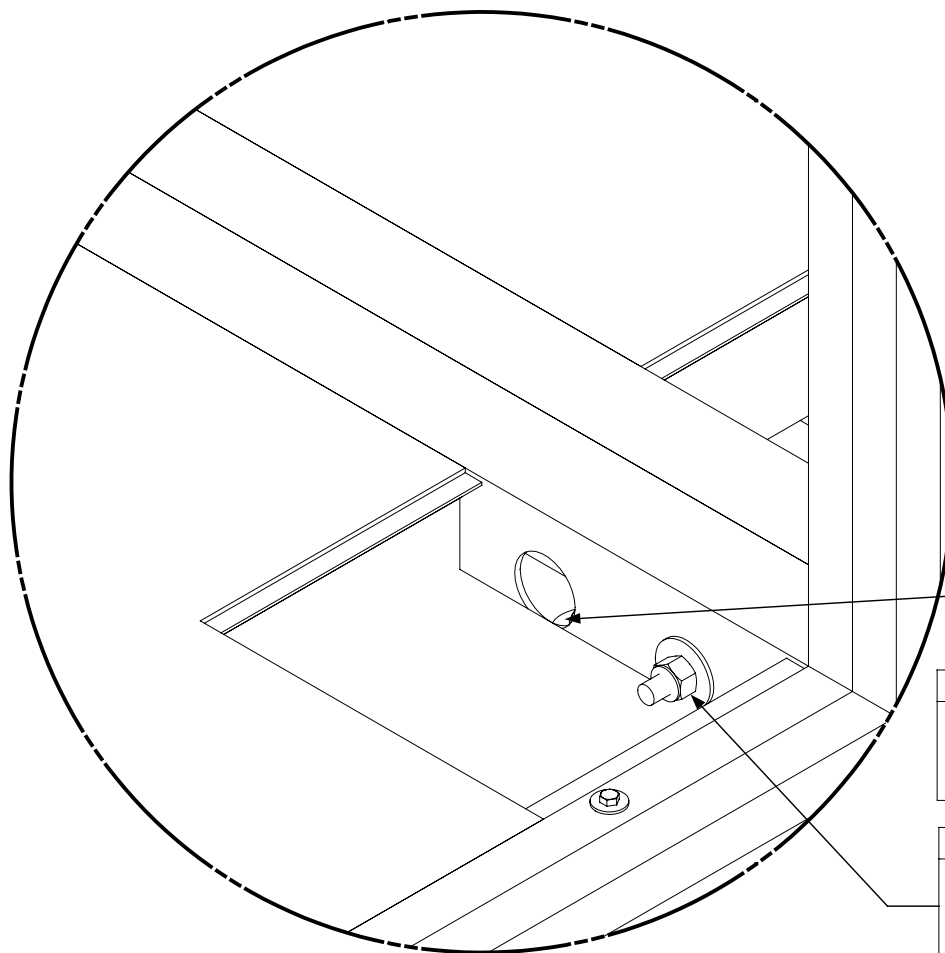


**FIELD NOTES**  
 Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 1 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.



**DRAWING**  
 Site Assembly  
 Cell E  
 View B & C  
 Installation-Bolts  
 Detail 11





#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 1 1/2"  
Bolts torqued to minimum of 20 ft. lbs.

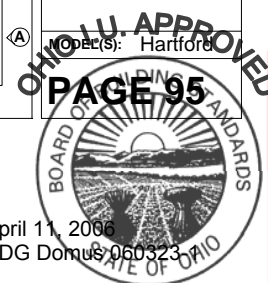
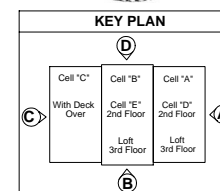
#### FIELD NOTES

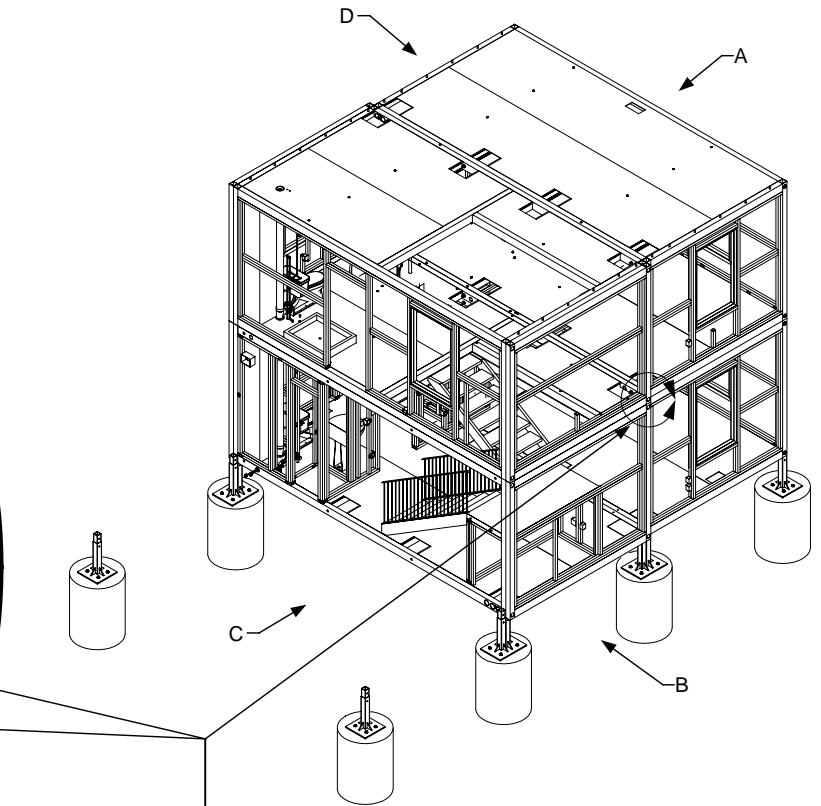
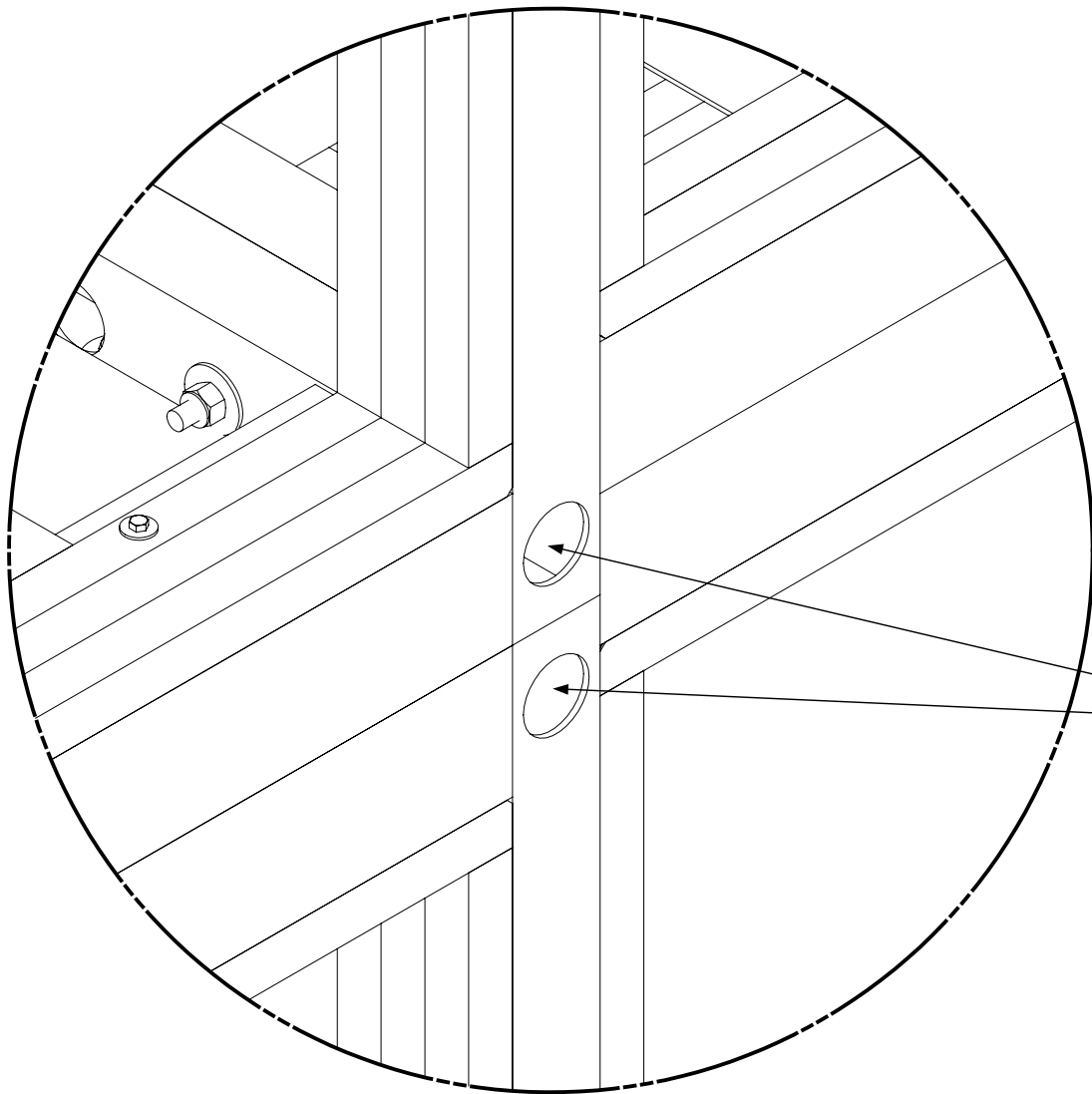
When installing Connector Bolts & Nuts, check torque rating on other Connectors



#### DRAWING

Site Assembly  
Cell E  
View B & C  
Installation-Bolts  
Detail 12





**FIELD NOTES**

Intermediate Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 6"  
 Bolts torqued to minimum of 20 ft. lbs.

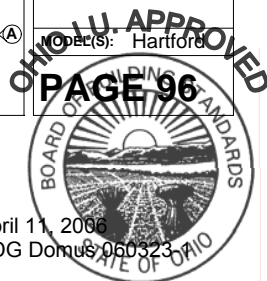


**KEY PLAN**

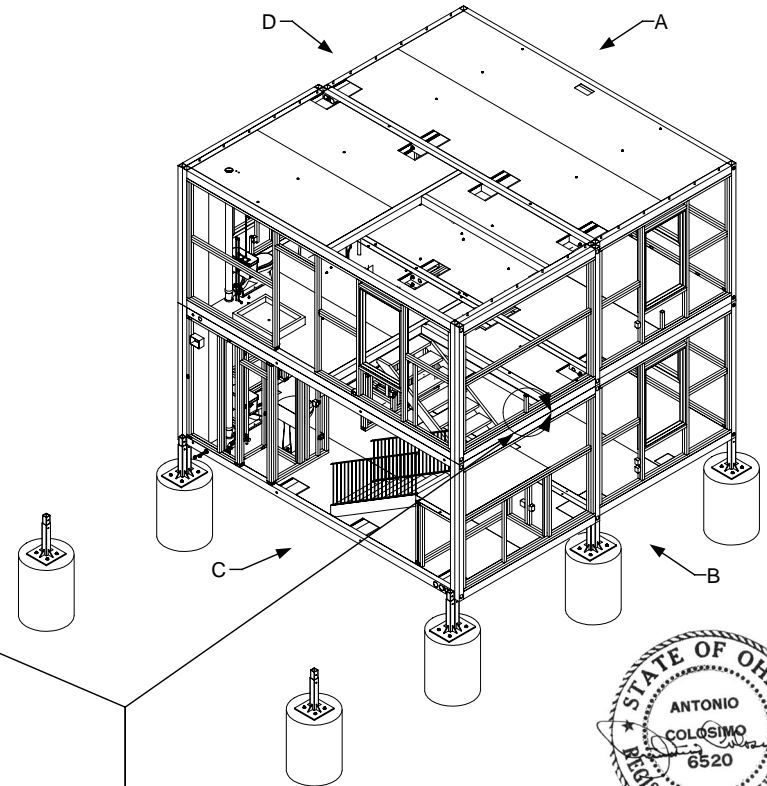
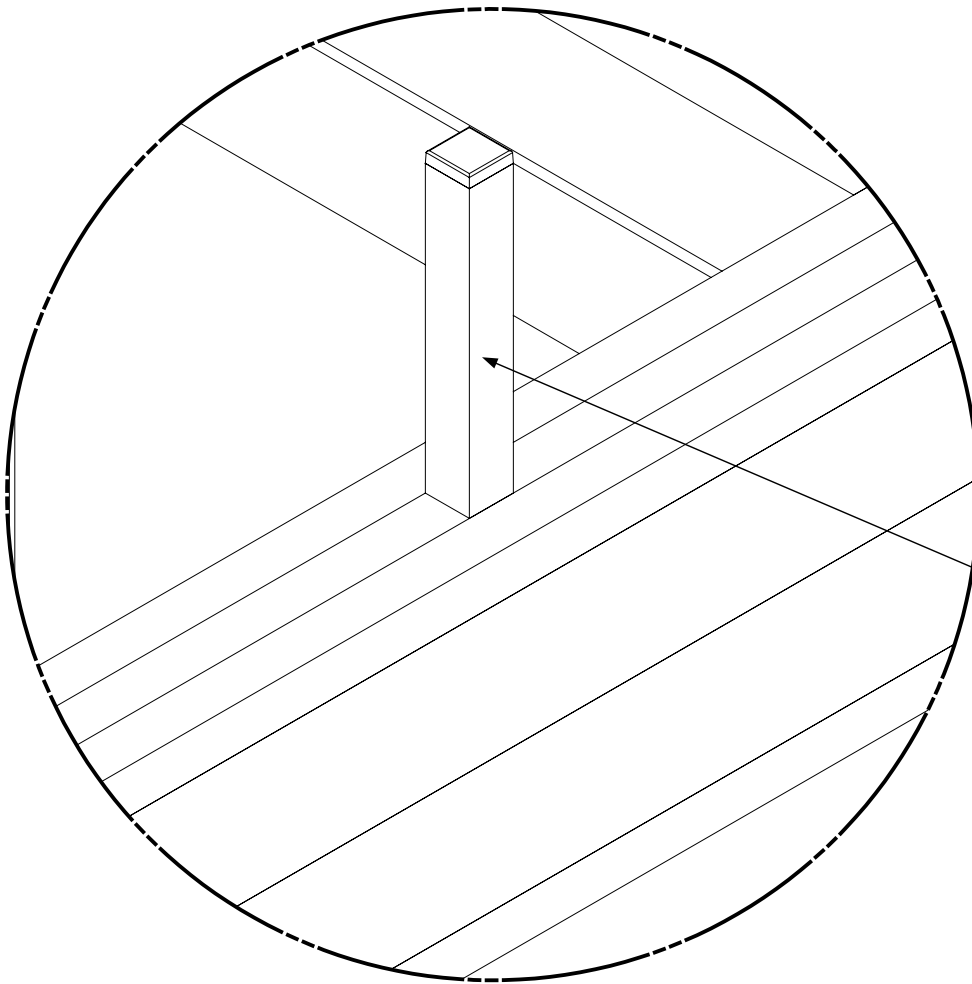
	D	
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
	Loft 3rd Floor	Loft 3rd Floor
C	B	A

**DRAWING**

Site Assembly  
 Cell E  
 View B & C  
 Installation-Bolts  
 Detail 13







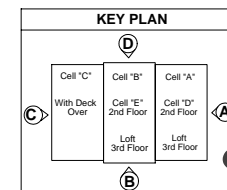
#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 13 1/2"  
Bolts torqued to minimum of 20 ft. lbs.



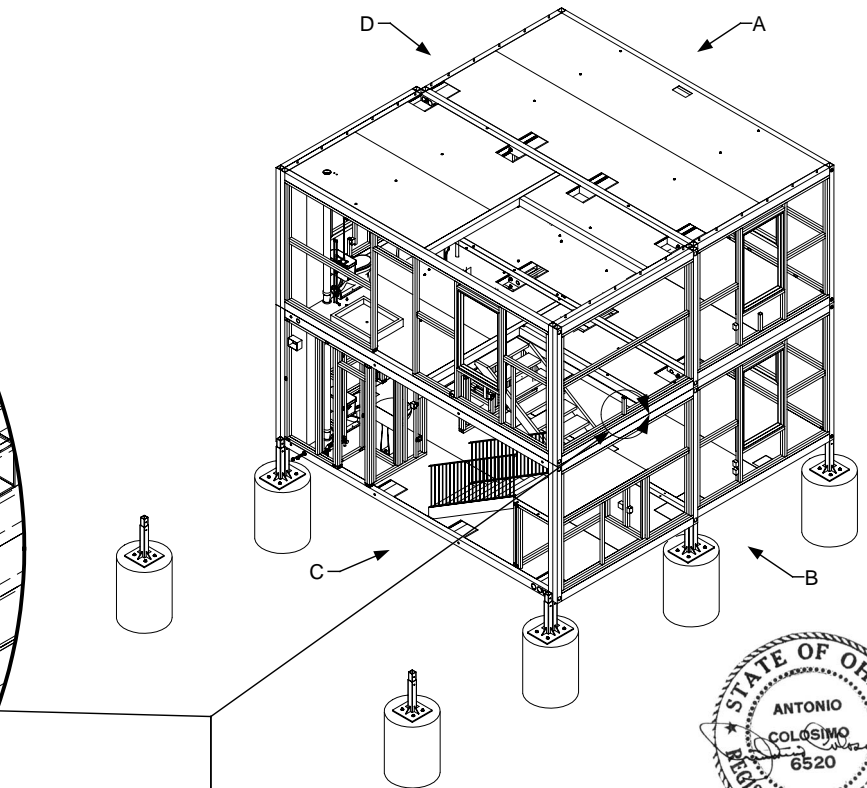
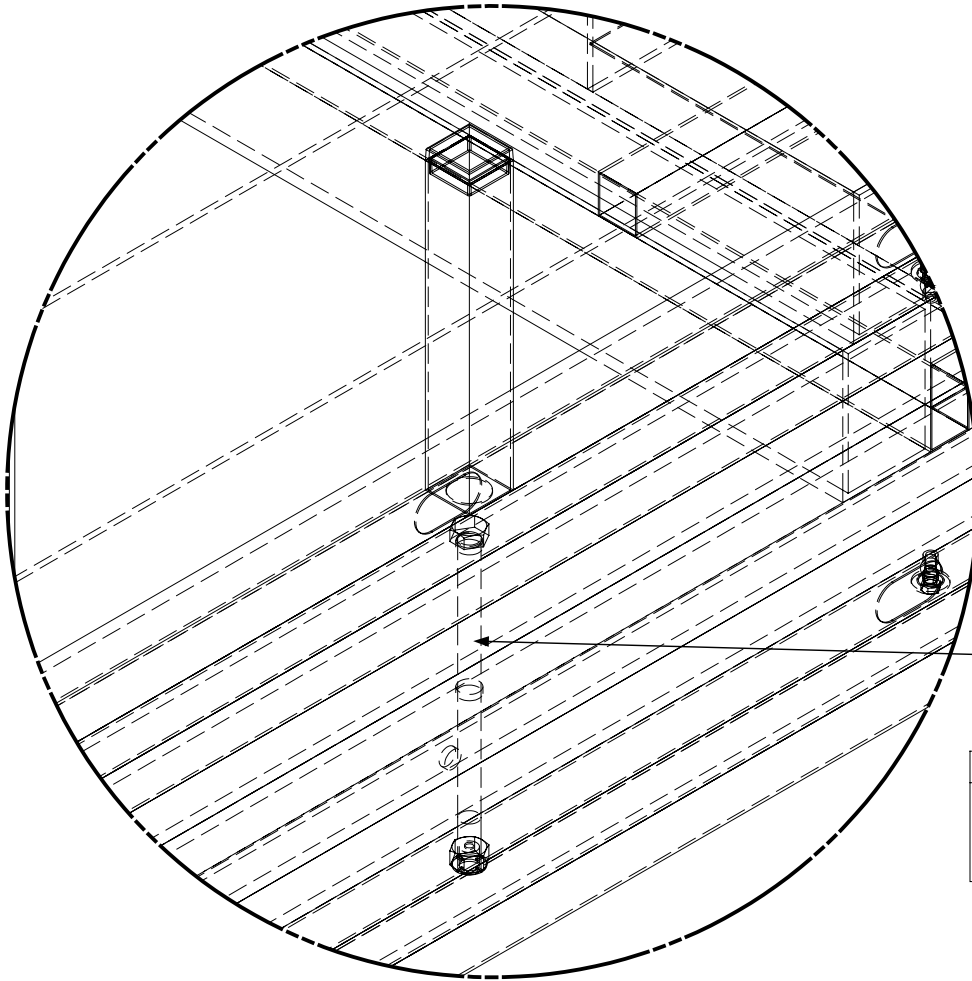
#### DRAWING

Site Assembly  
Cell E  
View B & C  
Installation-Bolts  
Detail 14



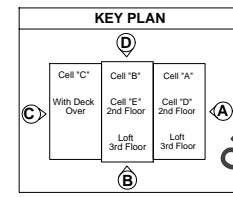
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DESIGNED BY: Hartford  
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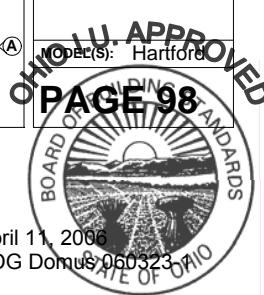
**FIELD NOTES**

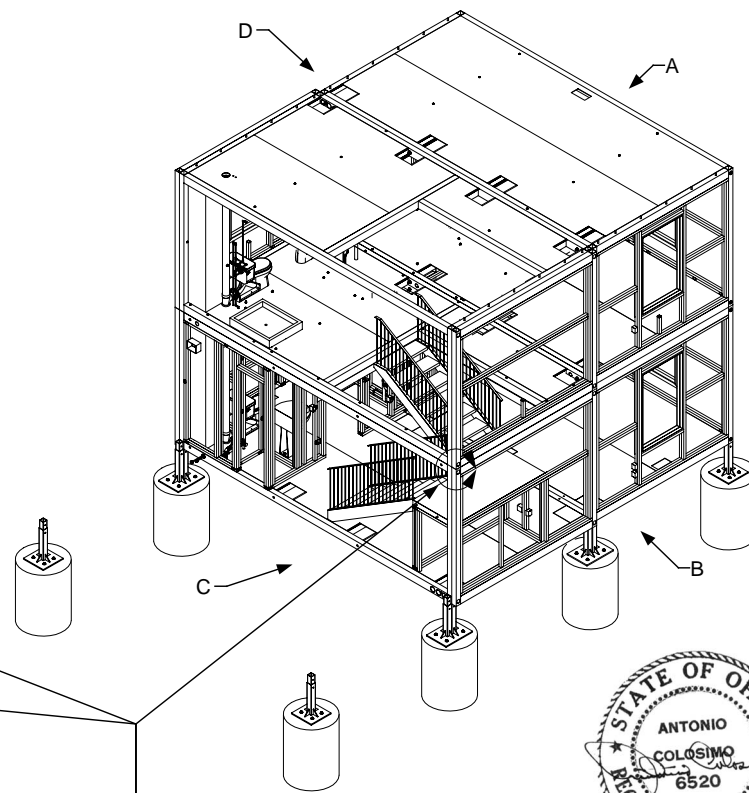
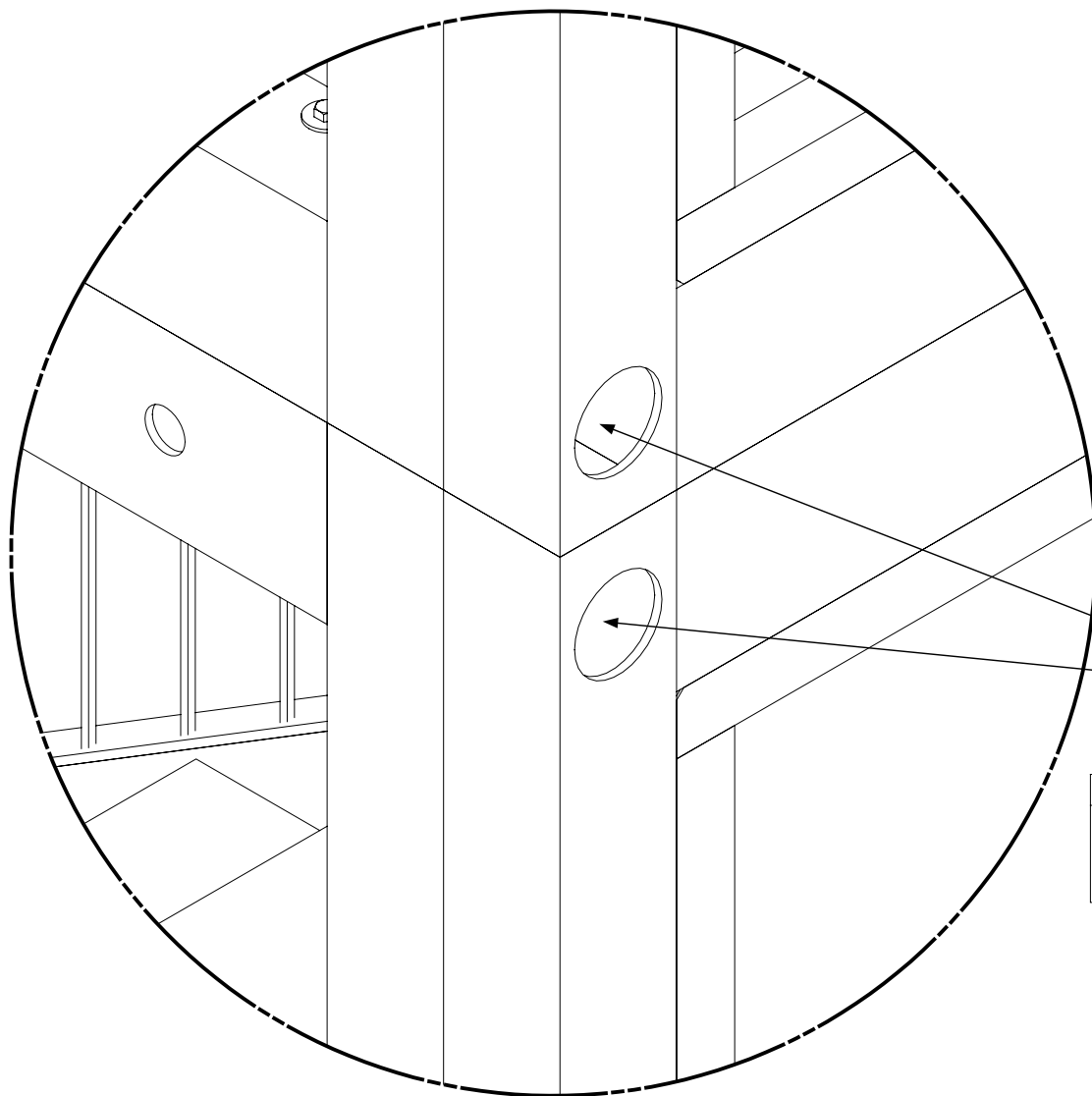
Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 13 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.



**DRAWING**

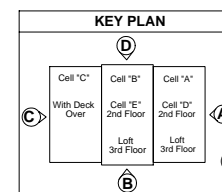
Site Assembly  
 Cell E  
 View B & C  
 Installation-Bolts  
 Detail 14-1





**FIELD NOTES**

Intermediate Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 6"  
 Bolts torqued to minimum of 20 ft. lbs.

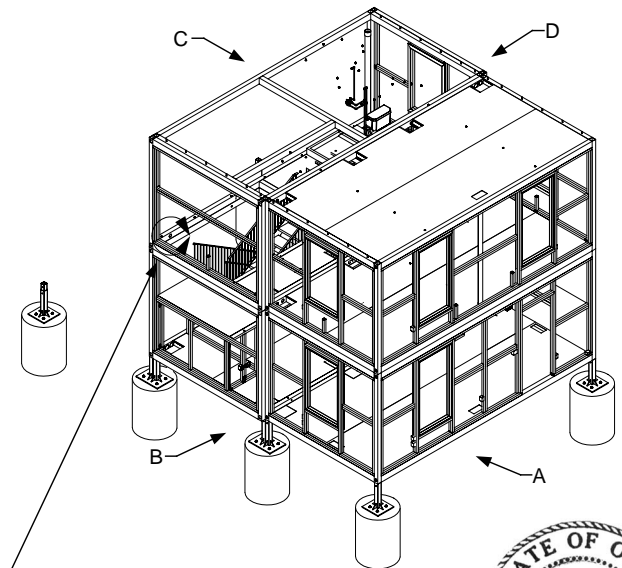
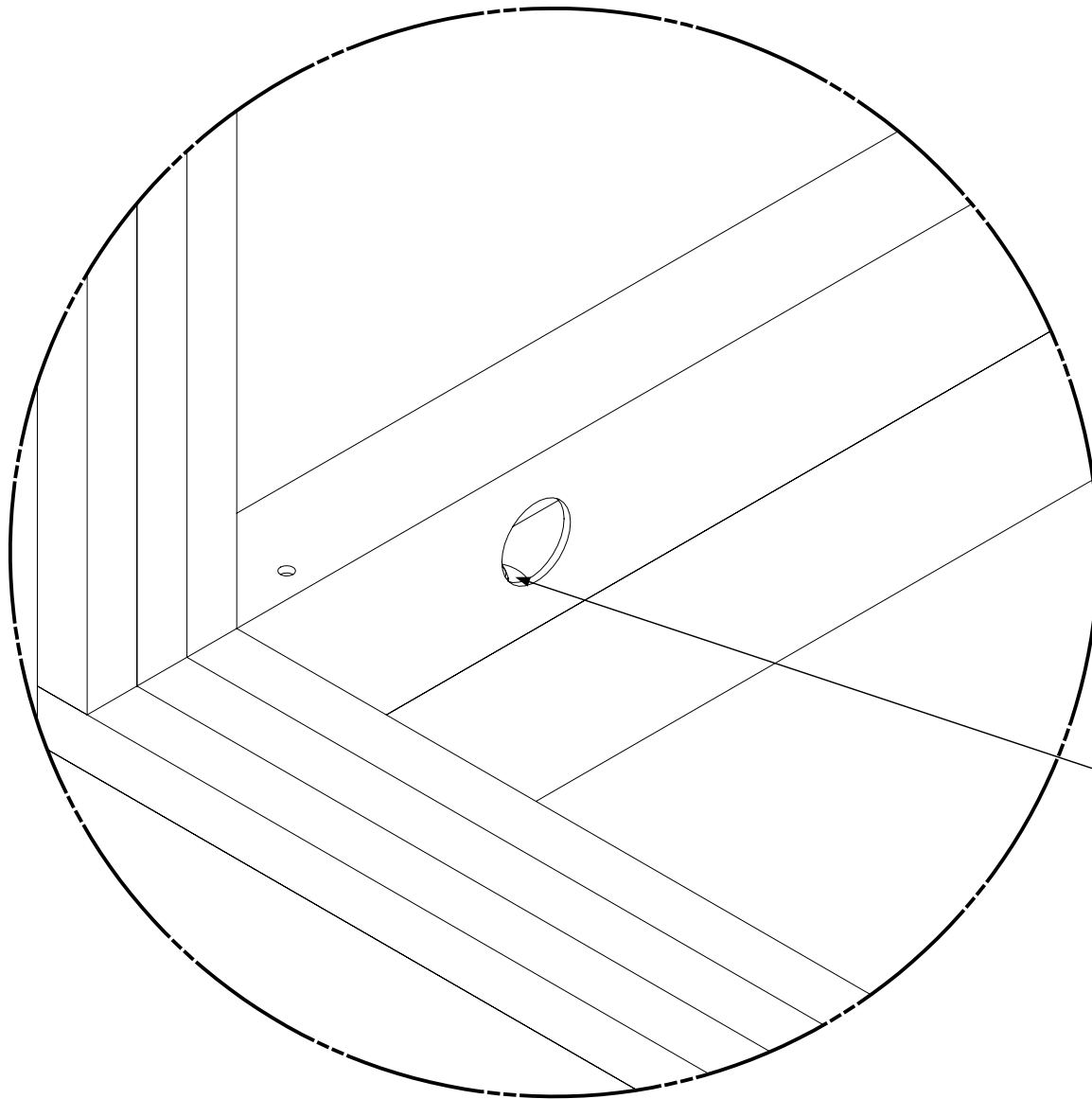


**DRAWING**

Site Assembly  
 Cell E  
 View B & C  
 Installation-Bolts  
 Detail 15

DESIGNED BY: Hartford  
 PREPARED BY: Hartford





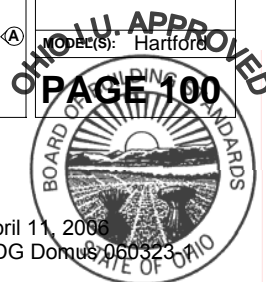
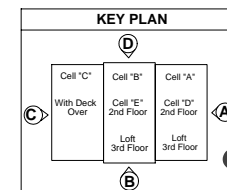
**FIELD NOTES**

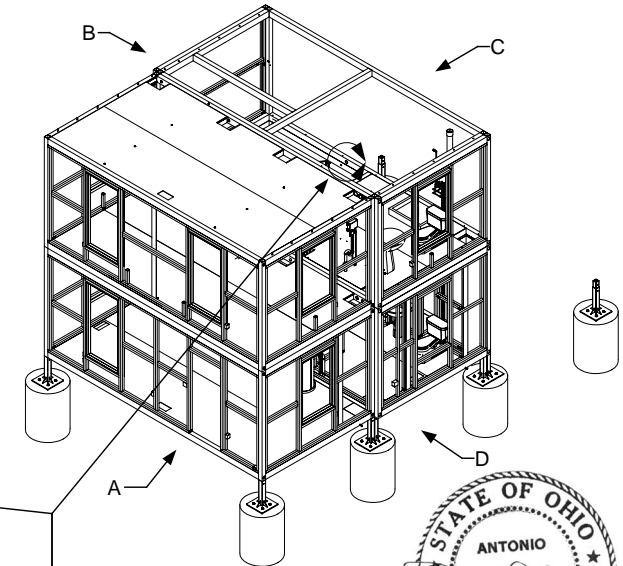
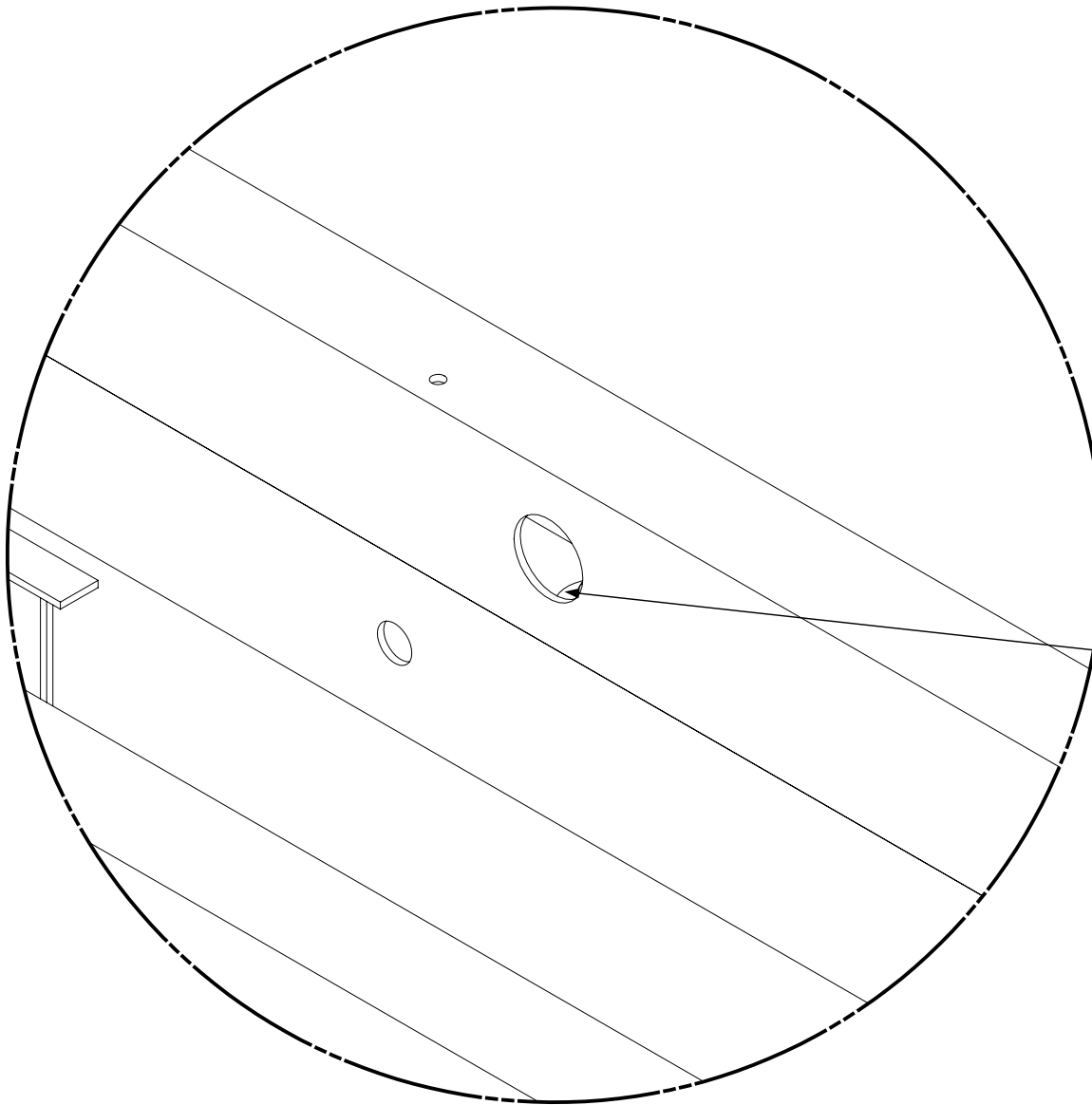
Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 1 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.



**DRAWING**

Site Assembly  
 Cell E  
 View A & B  
 Installation-Bolts  
 Detail 16





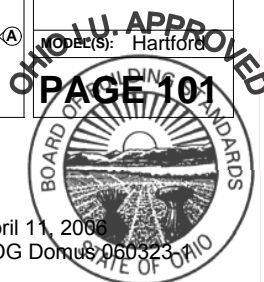
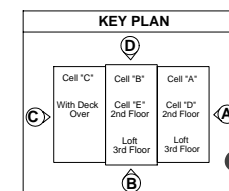
#### FIELD NOTES

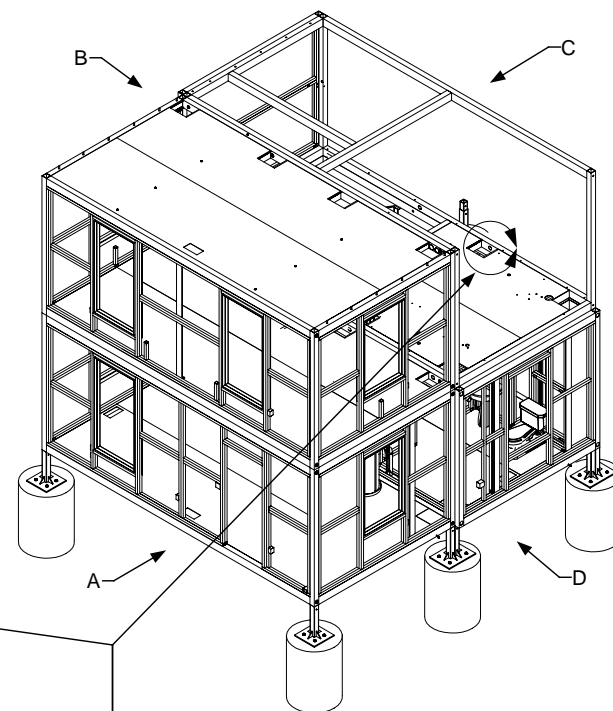
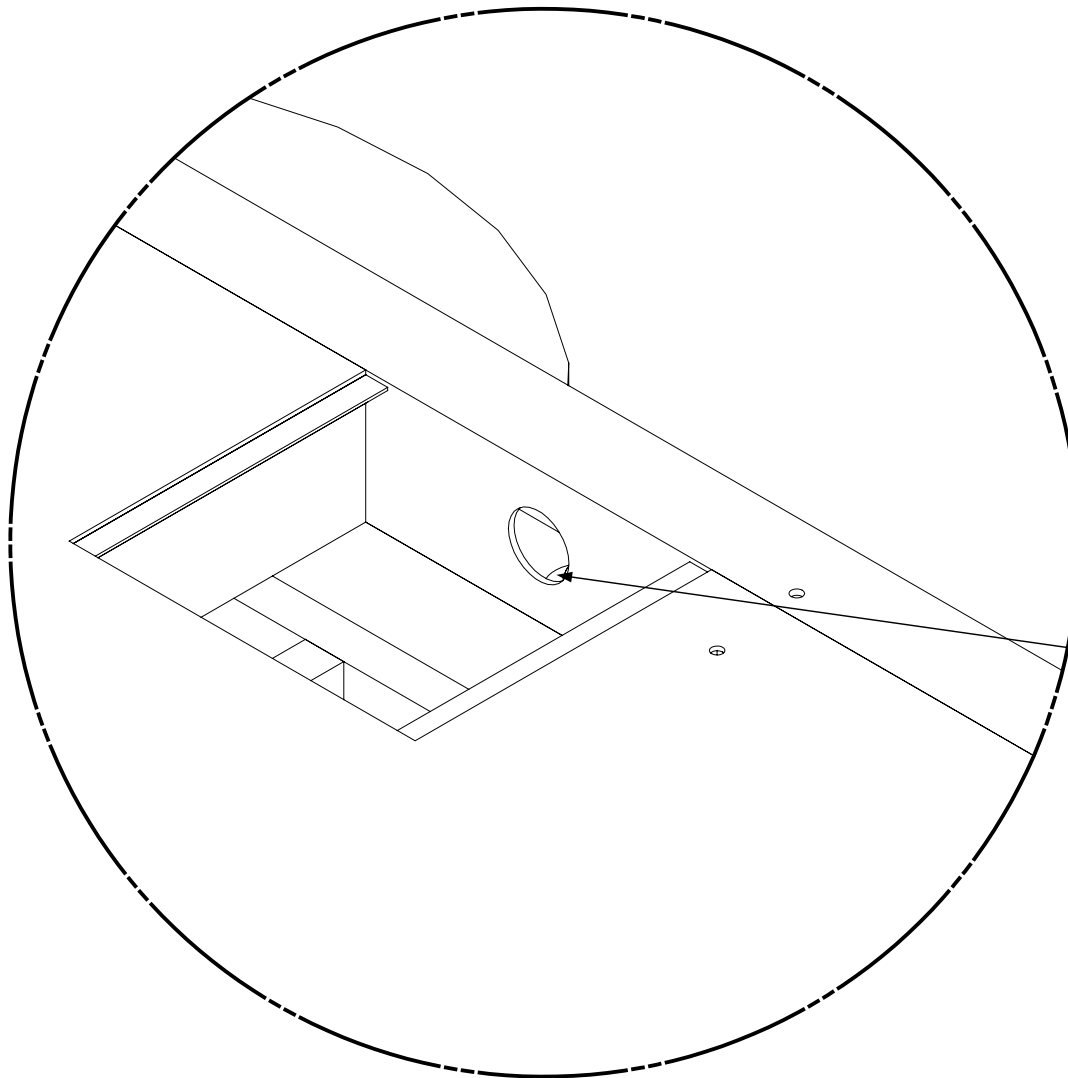
Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 1 1/2"  
Bolts torqued to minimum of 20 ft. lbs.



#### DRAWING

Site Assembly  
Cell E  
View A & D  
Installation-Bolts  
Detail 17





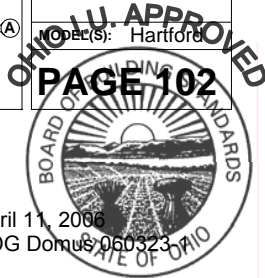
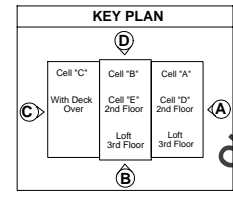
**FIELD NOTES**

Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 1 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.

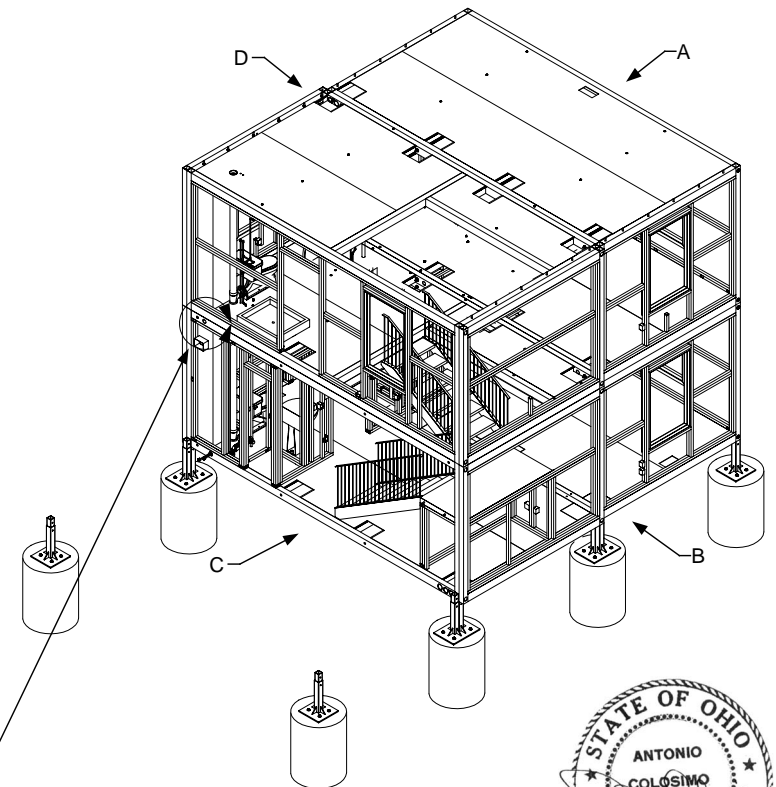
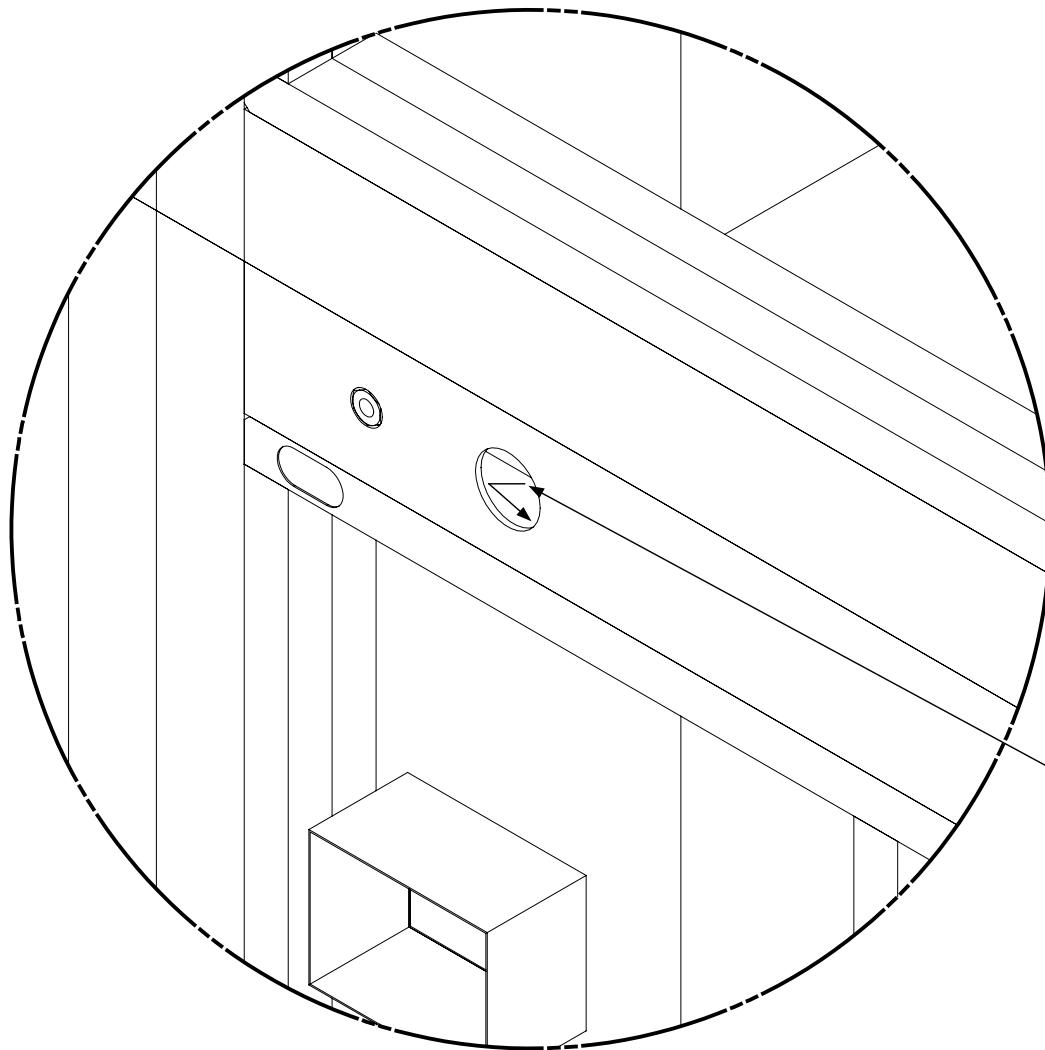


**DRAWING**

Site Assembly  
 Cell E  
 View A & D  
 Installation-Bolts  
 Detail 18







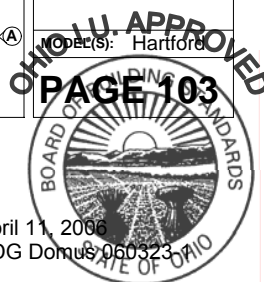
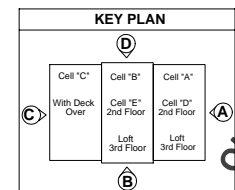
#### FIELD NOTES

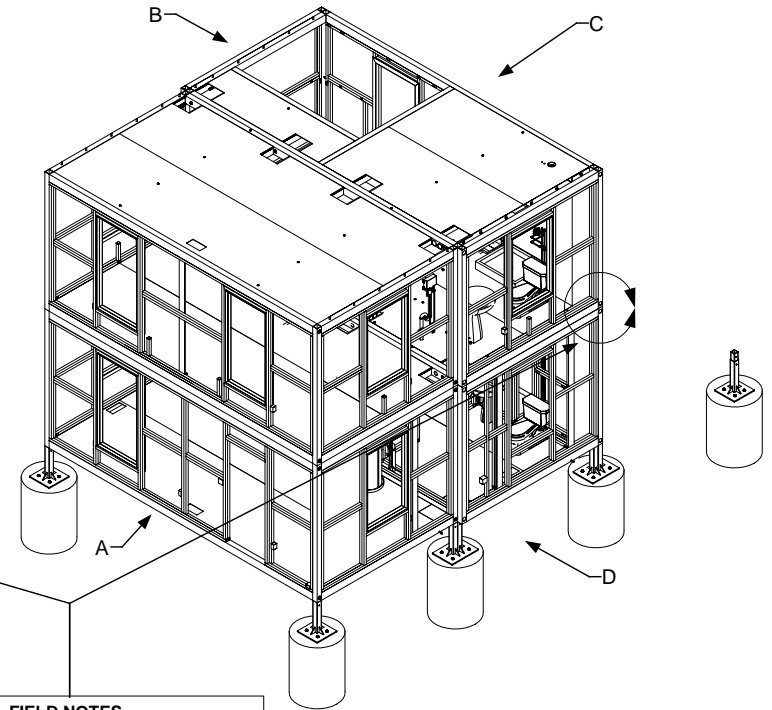
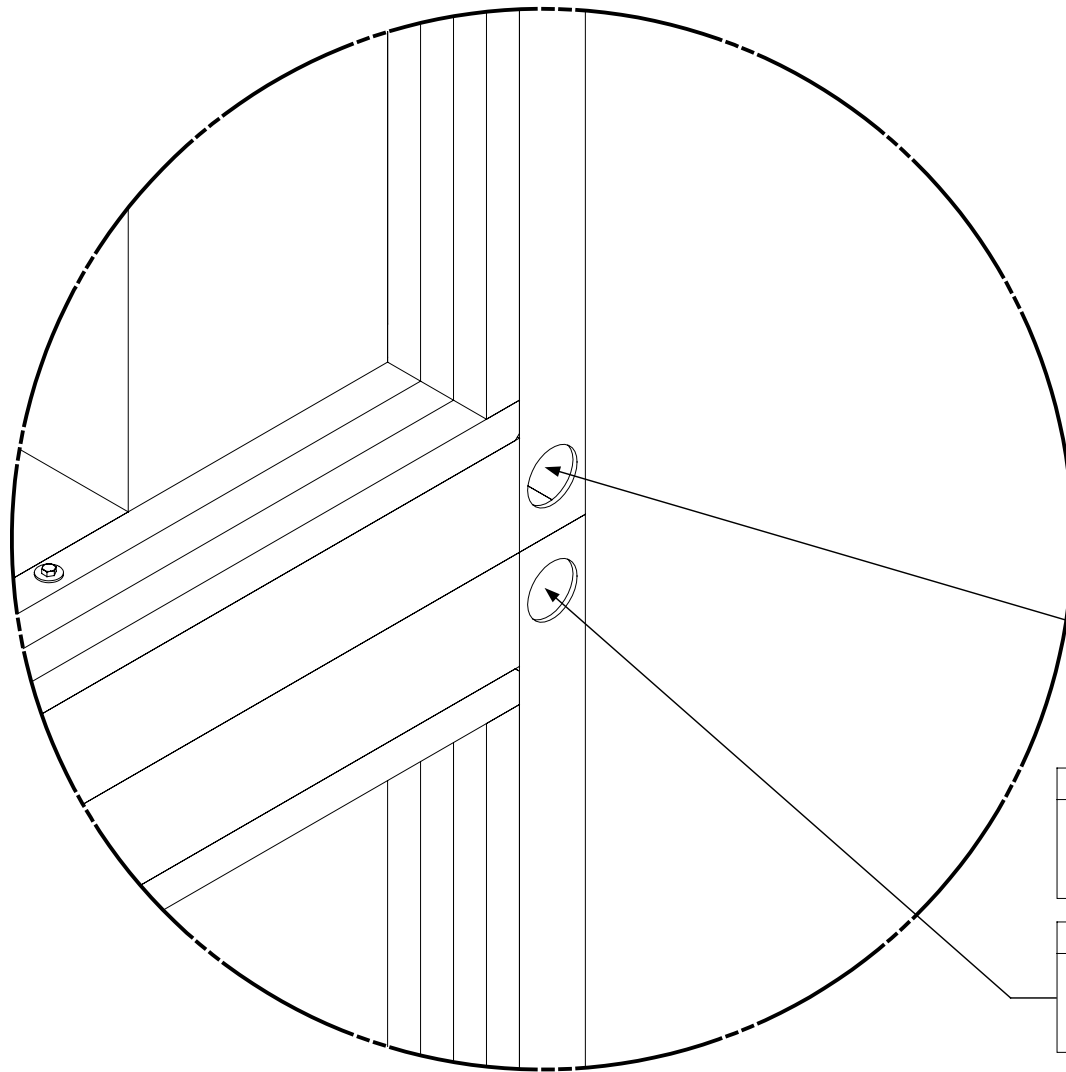
Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 1 1/2"  
Bolts torqued to minimum of 20 ft. lbs.



#### DRAWING

Site Assembly  
Cell E  
View B & C  
Installation-Bolts  
Detail 19



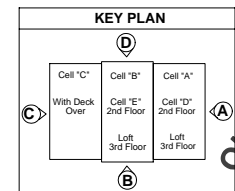


#### FIELD NOTES

Intermediate Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts torqued to minimum of 20 ft. lbs.

#### FIELD NOTES

When installing Connector Bolts & Nuts, check torque rating on other Connectors

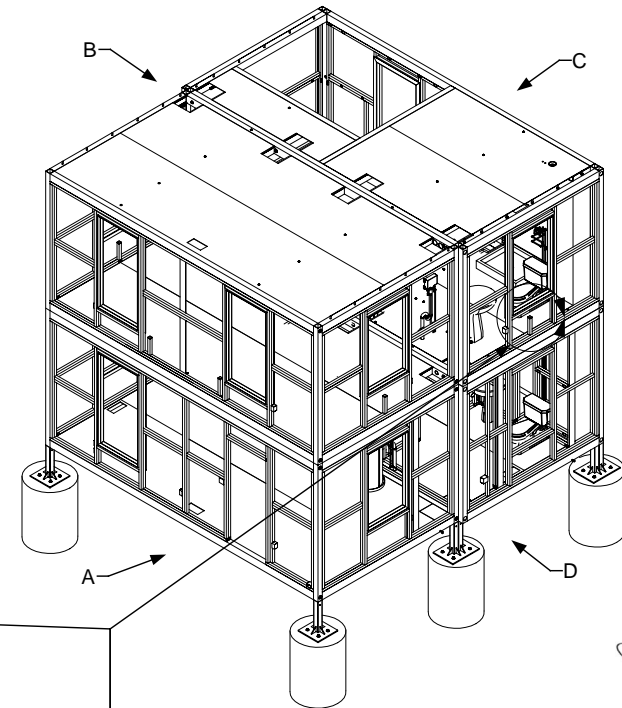
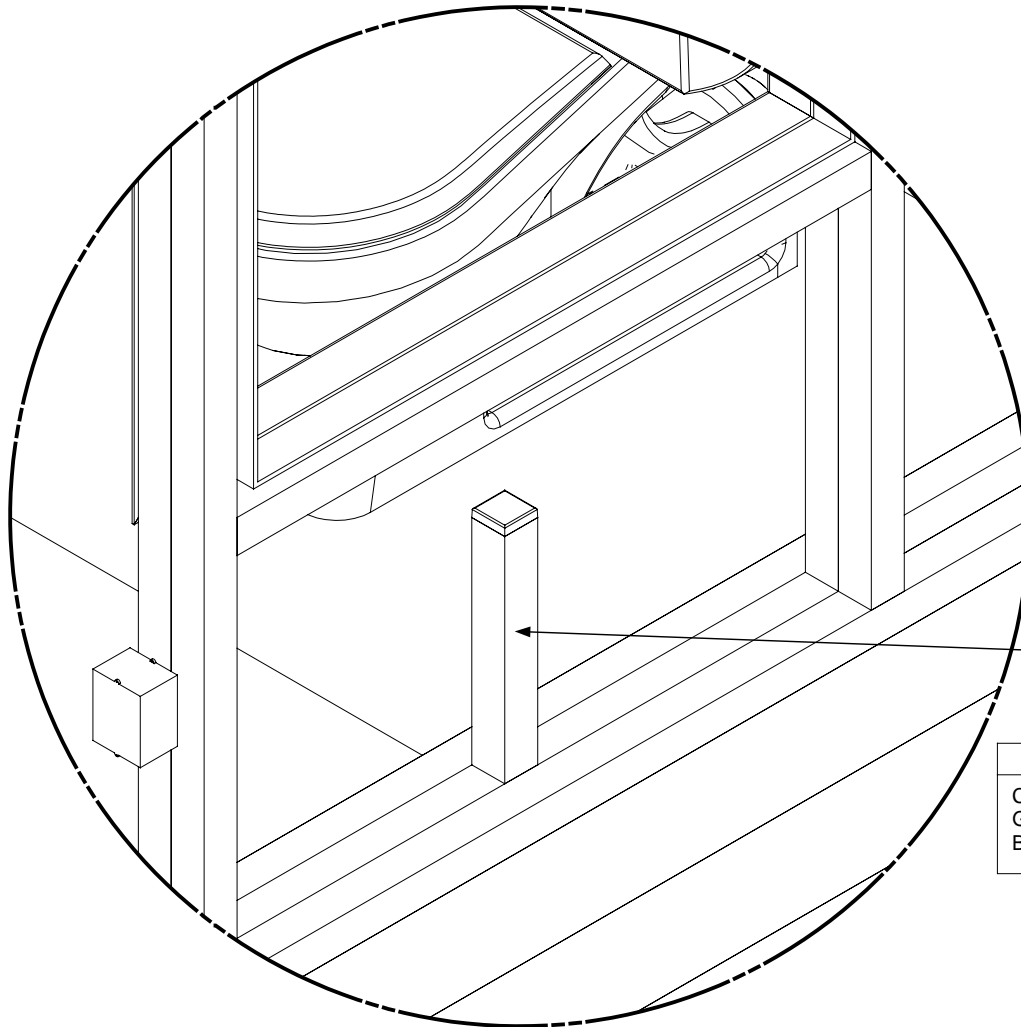


#### DRAWING

Site Assembly  
Cell E  
View A & D  
Installation-Bolts  
Detail 20

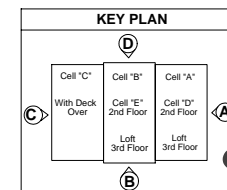
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DESIGNER(S): Hartford





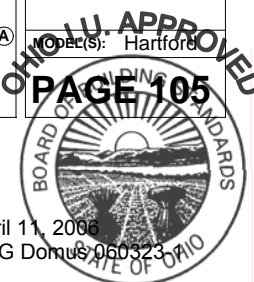
**FIELD NOTES**

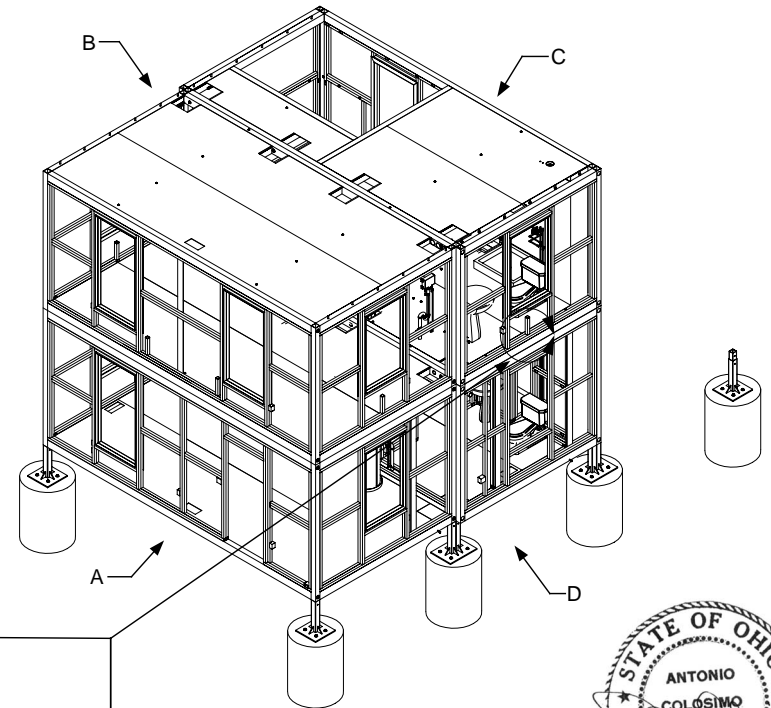
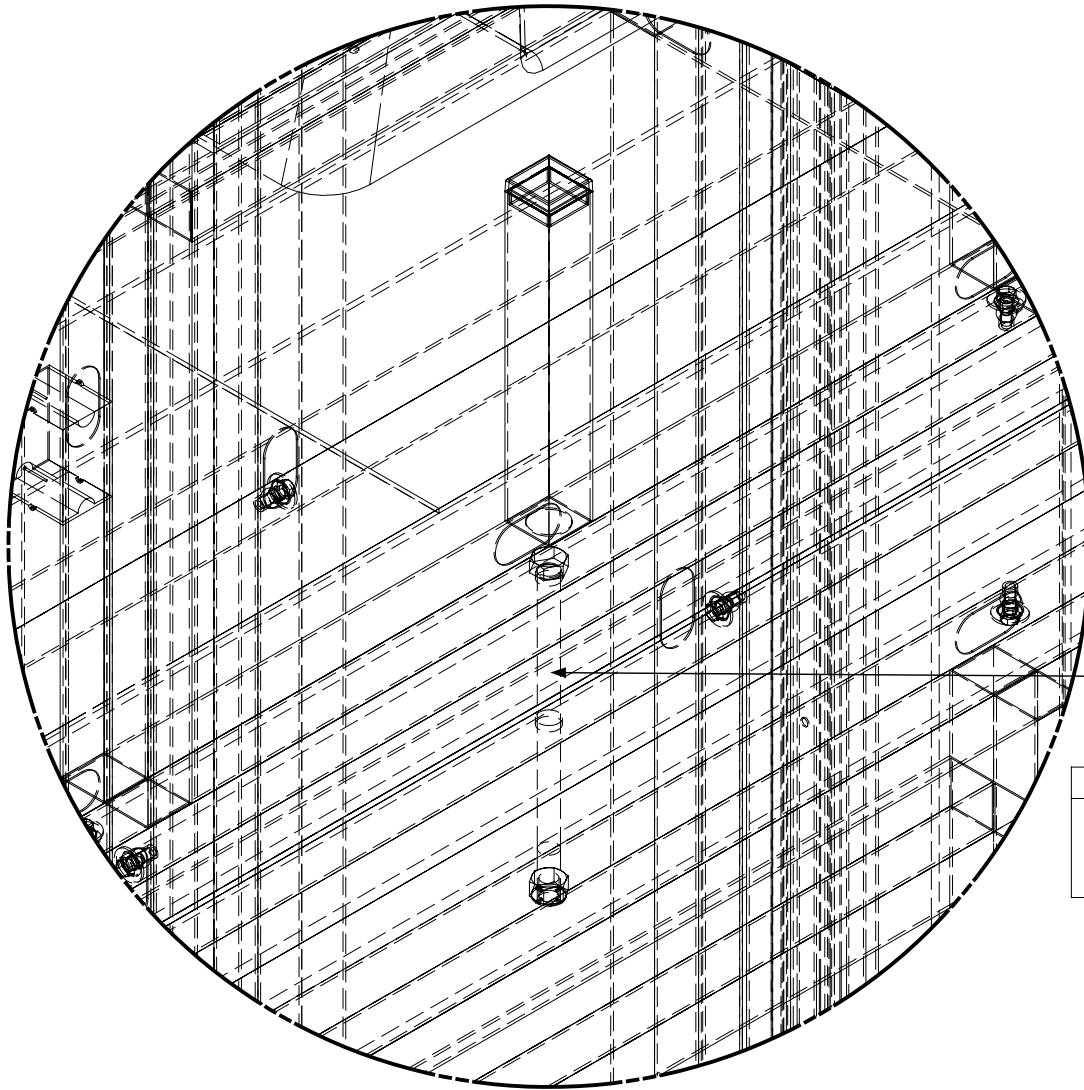
Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 13 1/2"  
 Bolts torqued to minimum of 20 ft. lbs.



**DRAWING**

Site Assembly  
 Cell E  
 View A & D  
 Installation-Bolts  
 Detail 21





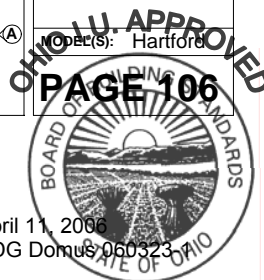
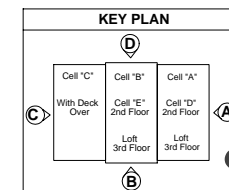
#### FIELD NOTES

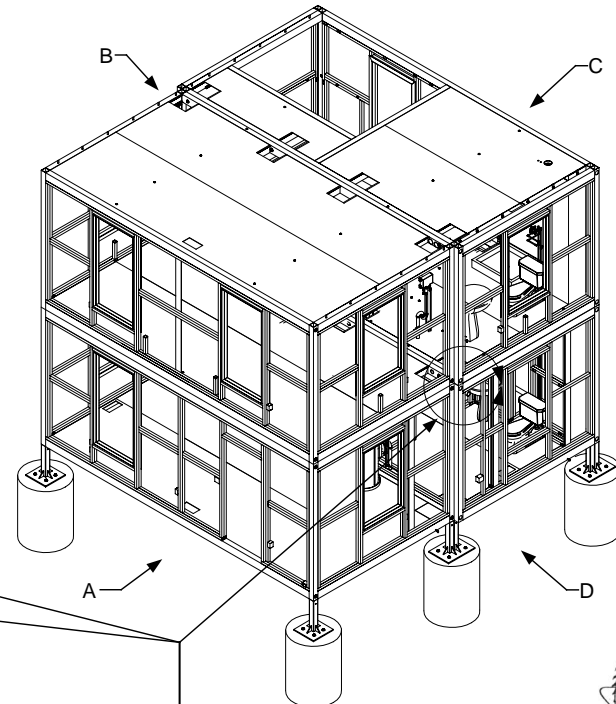
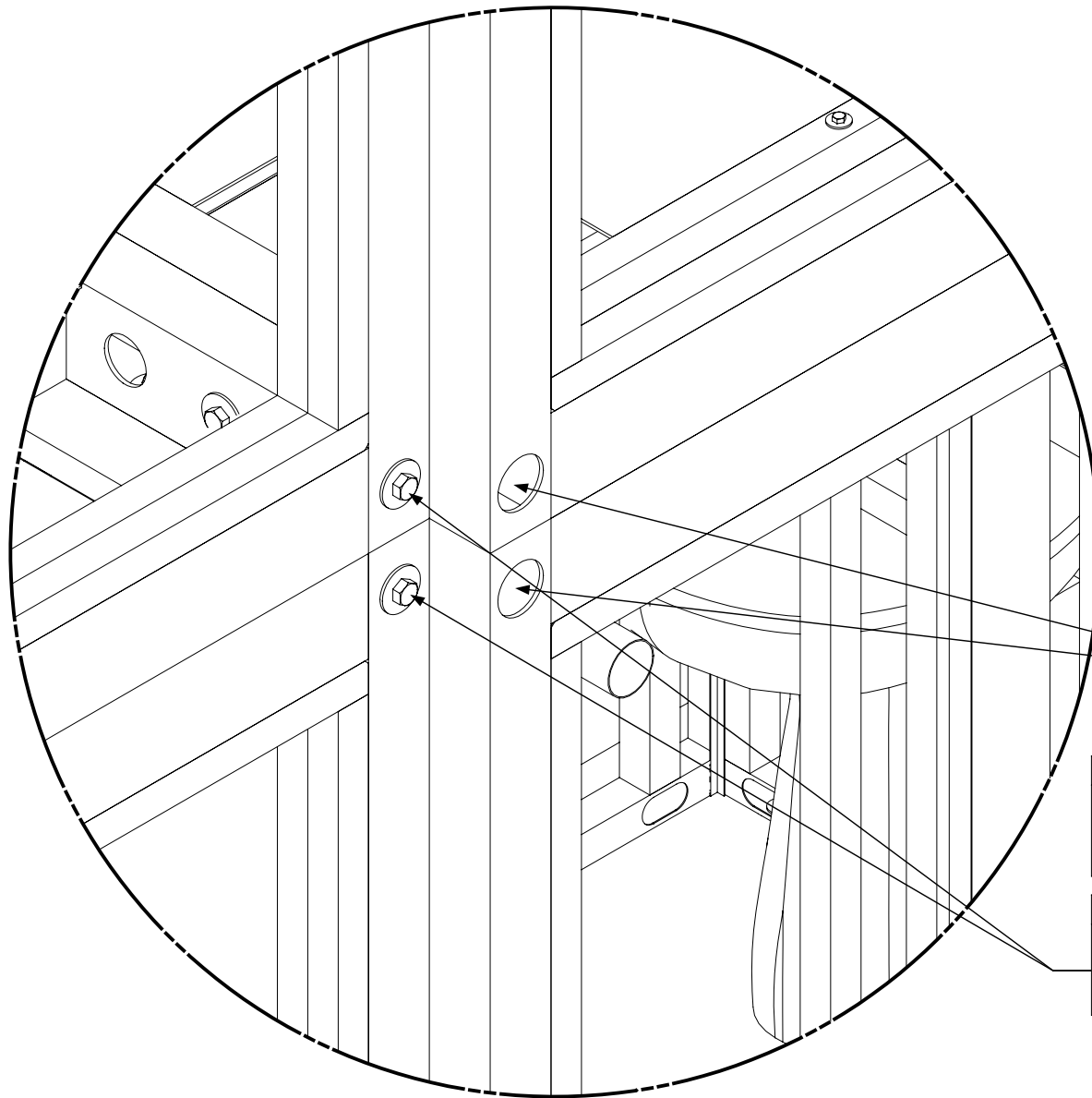
Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 13 1/2"  
Bolts torqued to minimum of 20 ft. lbs.



#### DRAWING

Site Assembly  
Cell E  
View A & D  
Installation-Bolts  
Detail 21-1



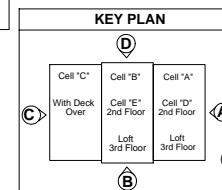


#### FIELD NOTES

Intermediate Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts torqued to minimum of 20 ft. lbs.

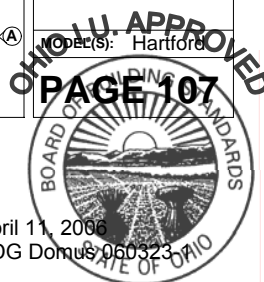
#### FIELD NOTES

When installing Connector Bolts & Nuts, check torque rating on other Connectors

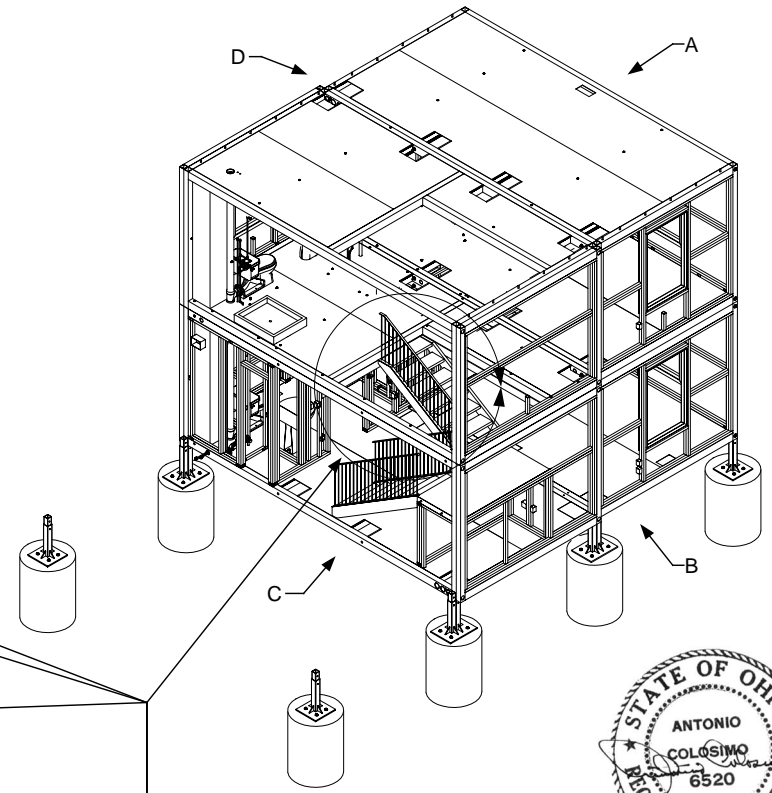
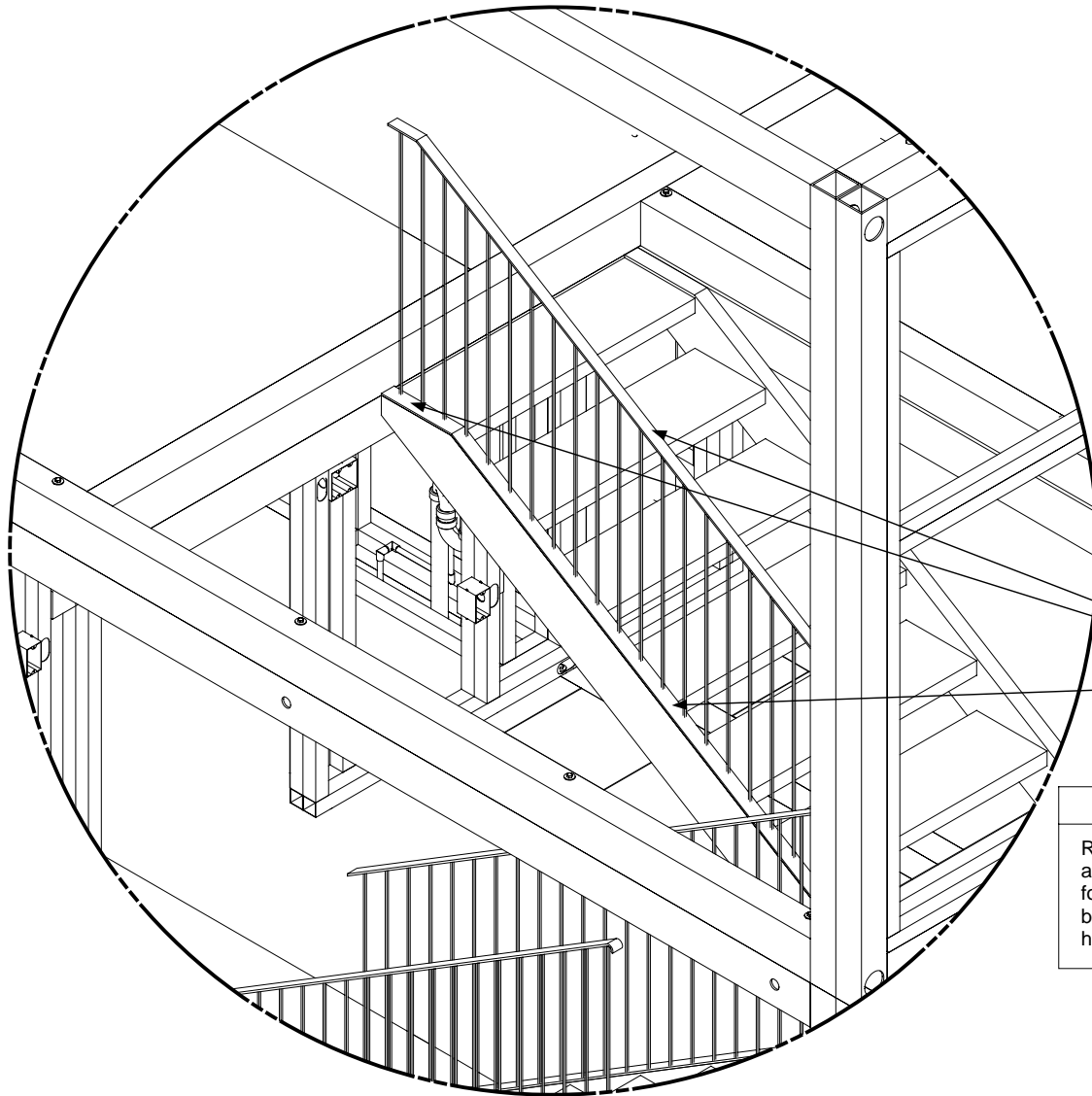


#### DRAWING

Site Assembly  
Cell E  
View A & D  
Installation-Bolts  
Detail 22







#### FIELD NOTES

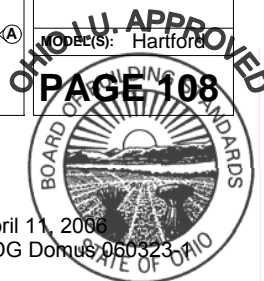
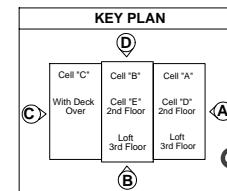
Reinstallation of Staircase railing. Staircase railings are installed in factory for fit & finish, then removed for shipping. Differences in design and layout affect bolt patterns from supplier to supplier. General bolt holes are space 8 to 10 spindles apart.



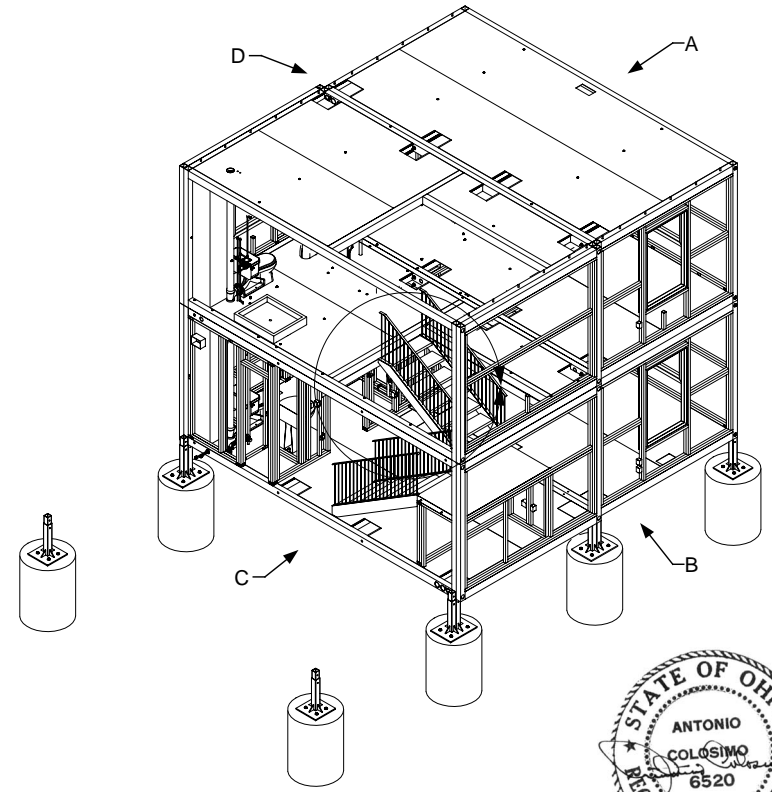
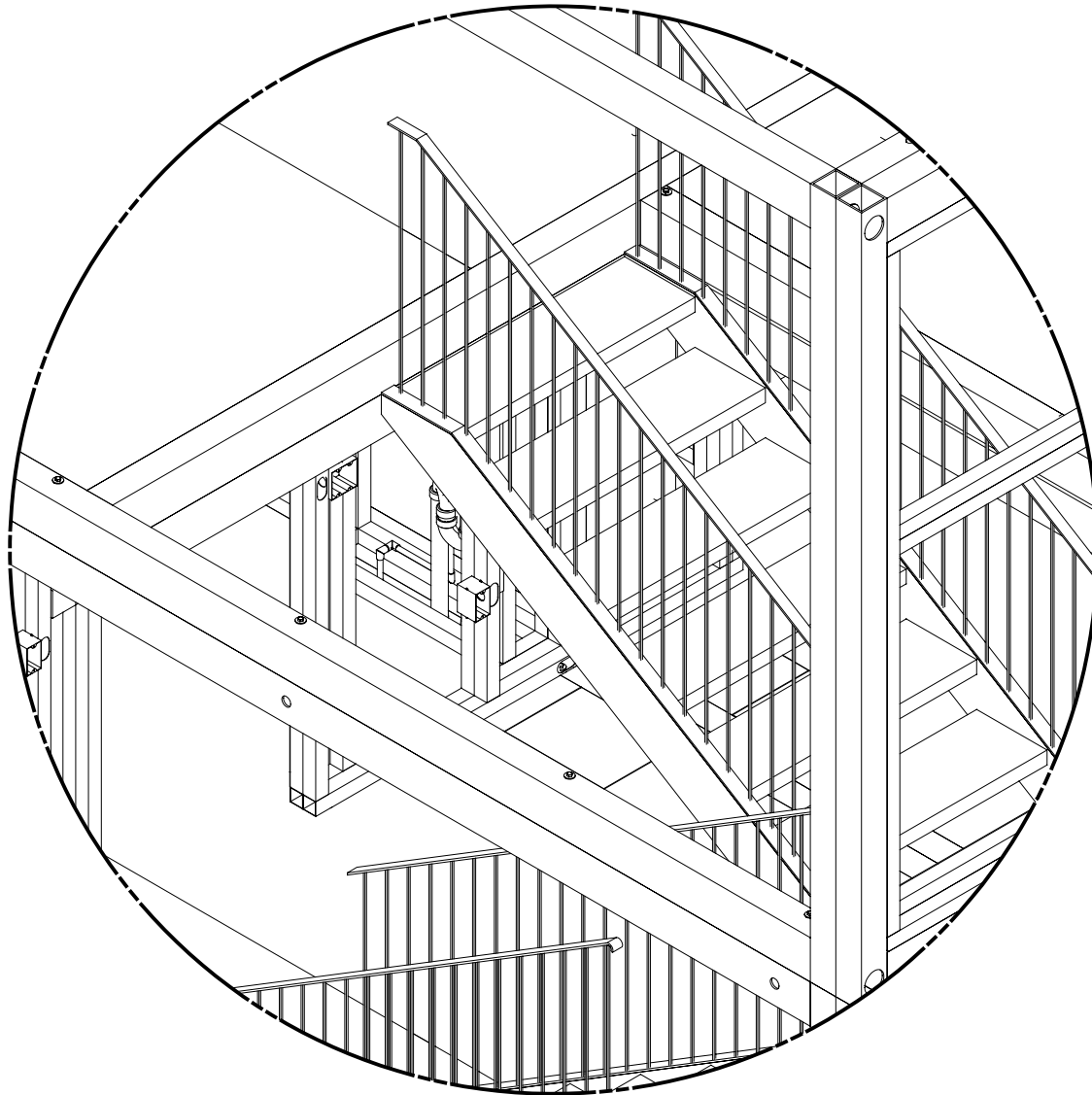
#### DRAWING

Site Assembly  
Cell E  
View B & C  
Installation-Cell to  
cell  
Staircase  
railing  
Detail 1

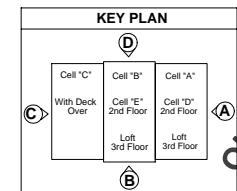
DESIGNED BY: Hartford







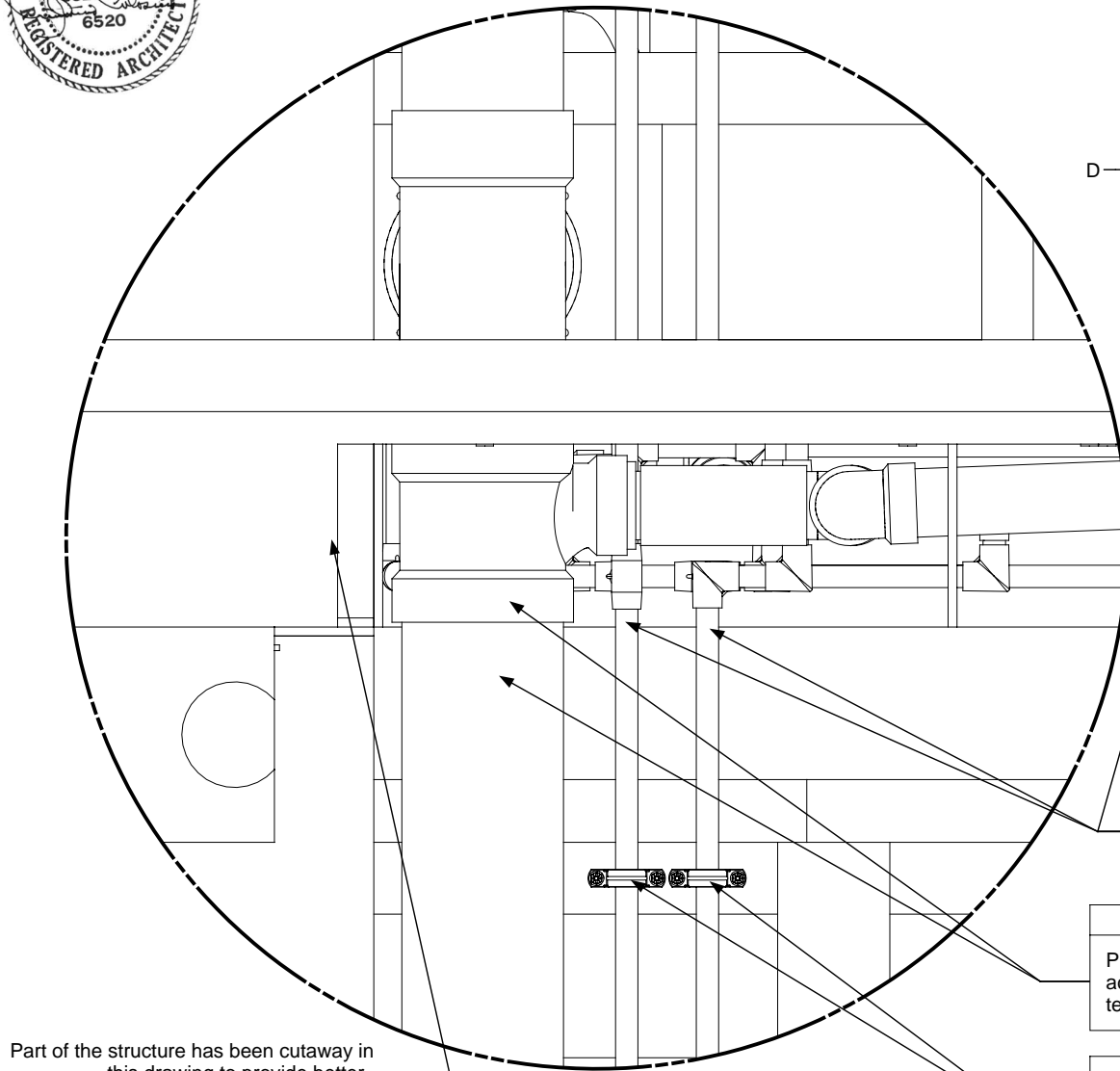
DRAWING  
Site Assembly  
Cell E  
View B & C  
Installation-Cell to  
cell  
Staircase  
railing  
Detail 2



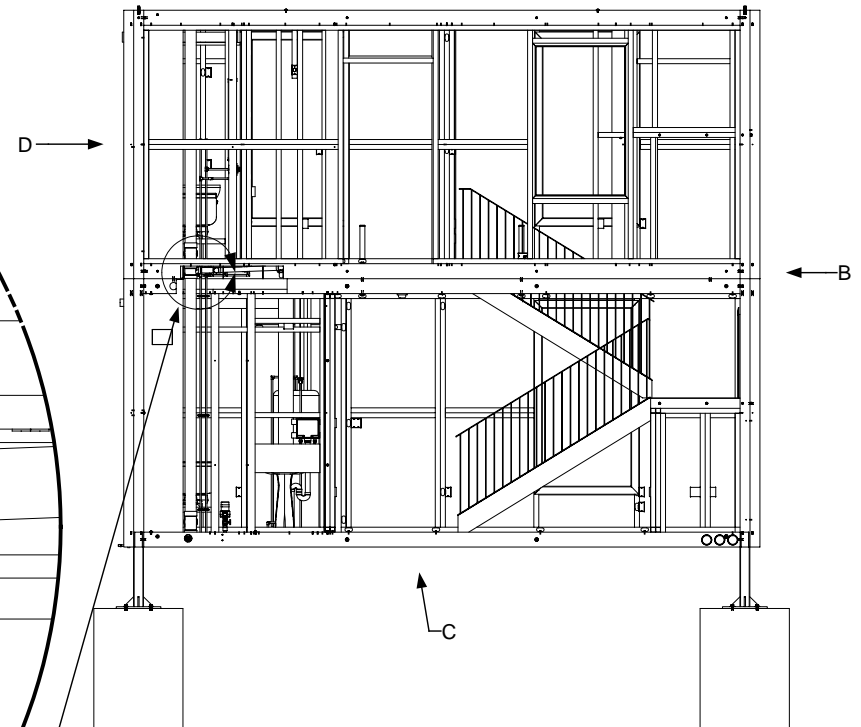
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April 11, 2006  
PDG 060323



Part of the structure has been cutaway in this drawing to provide better visualization of installation process.



**FIELD NOTES**

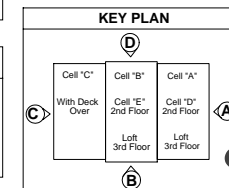
Plumbing reconnection, use PVC activator & adhesive. Hot water line & cold water line & test

**FIELD NOTES**

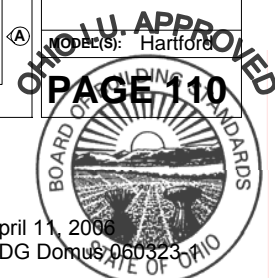
Plumbing reconnection, use PVC activator & adhesive. Waste stack & test

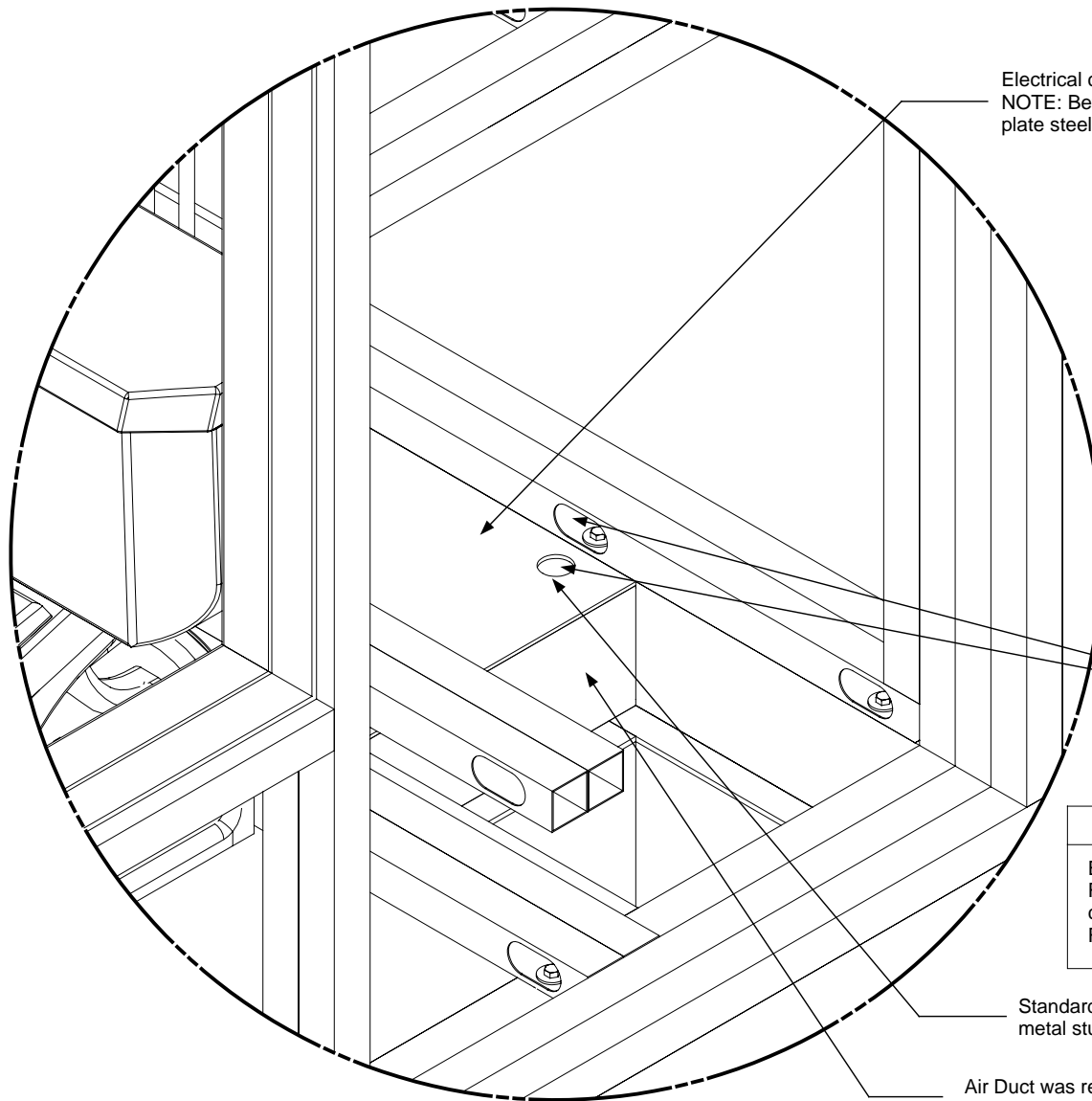
**FIELD NOTES**

Install Plumbing support clamps with self-tapping screws 1/4" x 1/2"

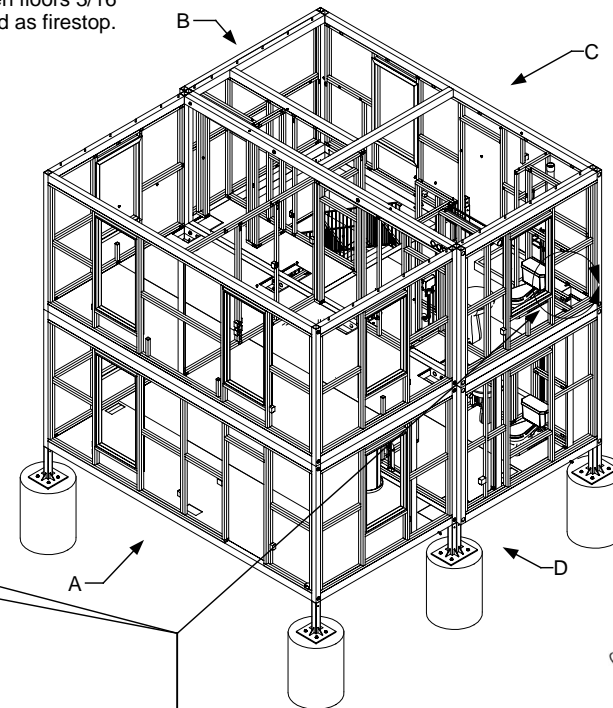


**DRAWING**  
Site Assembly  
Cell E  
View C  
Installation-Cell to cell  
Plumbing  
Detail 1





Electrical case area  
NOTE: Between floors 3/16"  
plate steel used as firestop.



#### FIELD NOTES

Electrical reconnection point  
Reconnection: Use of Molex UL approved COC-1  
crossover 3/C connector.  
Ref: Electrical Application Manual

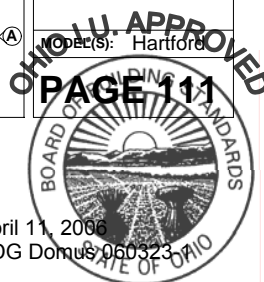
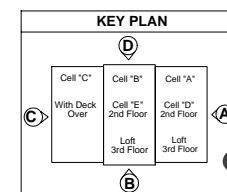
Standard UL approved  
metal stud bushing.

Air Duct was removed in this drawing to provide  
better visualization of installation process.



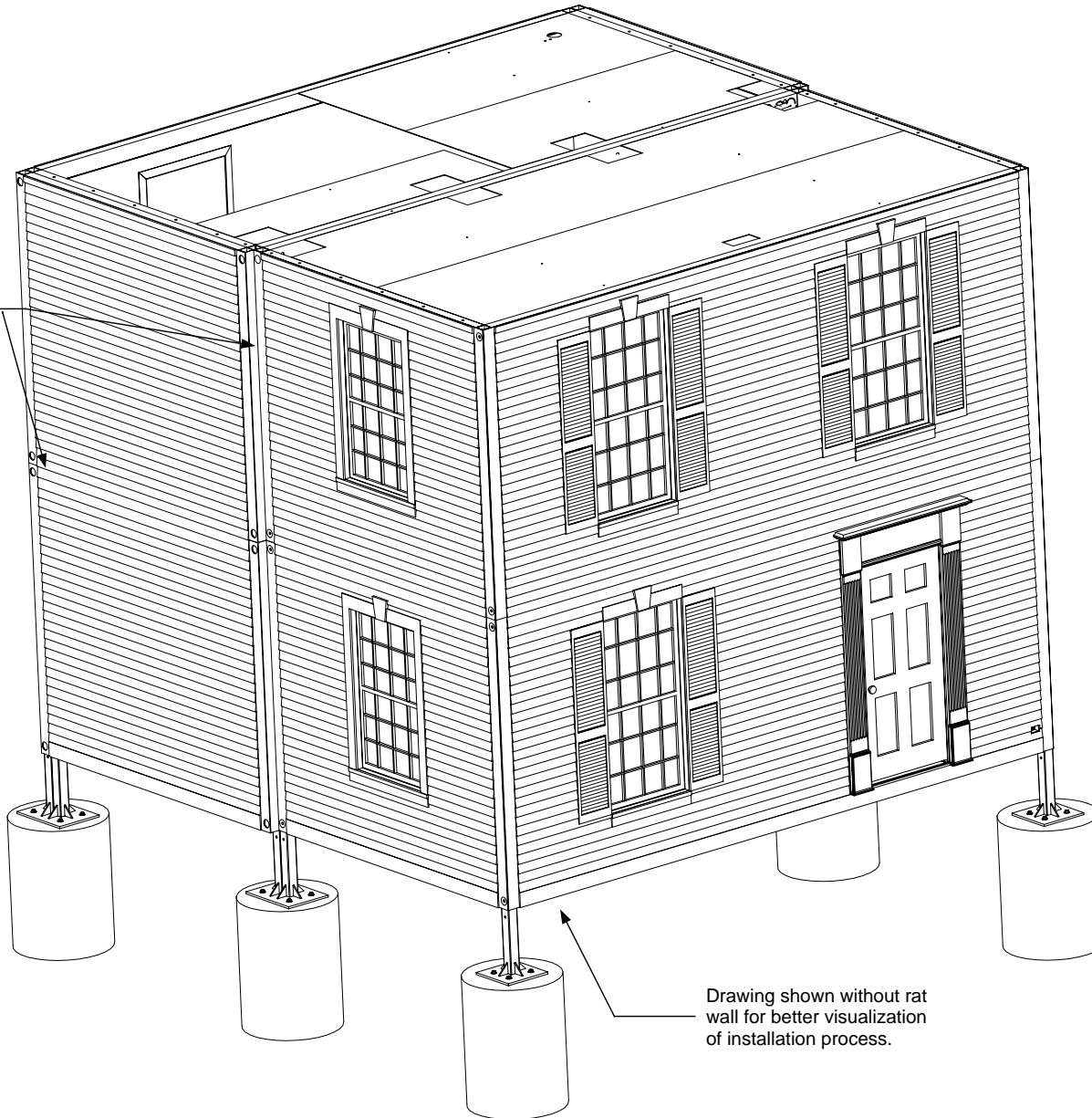
#### DRAWING

Site Assembly  
Cell E  
View A & D  
Installation-Cell to  
cell  
Electrical  
re-assembly  
Detail 1



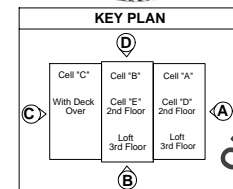
**FIELD NOTES**

Uniroyal Silaprene  
Adhesive/Sealant  
applied to edge



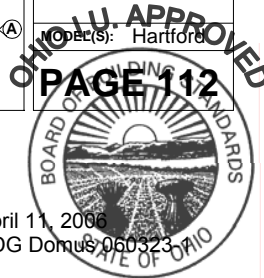
Drawing shown without rat wall for better visualization of installation process.

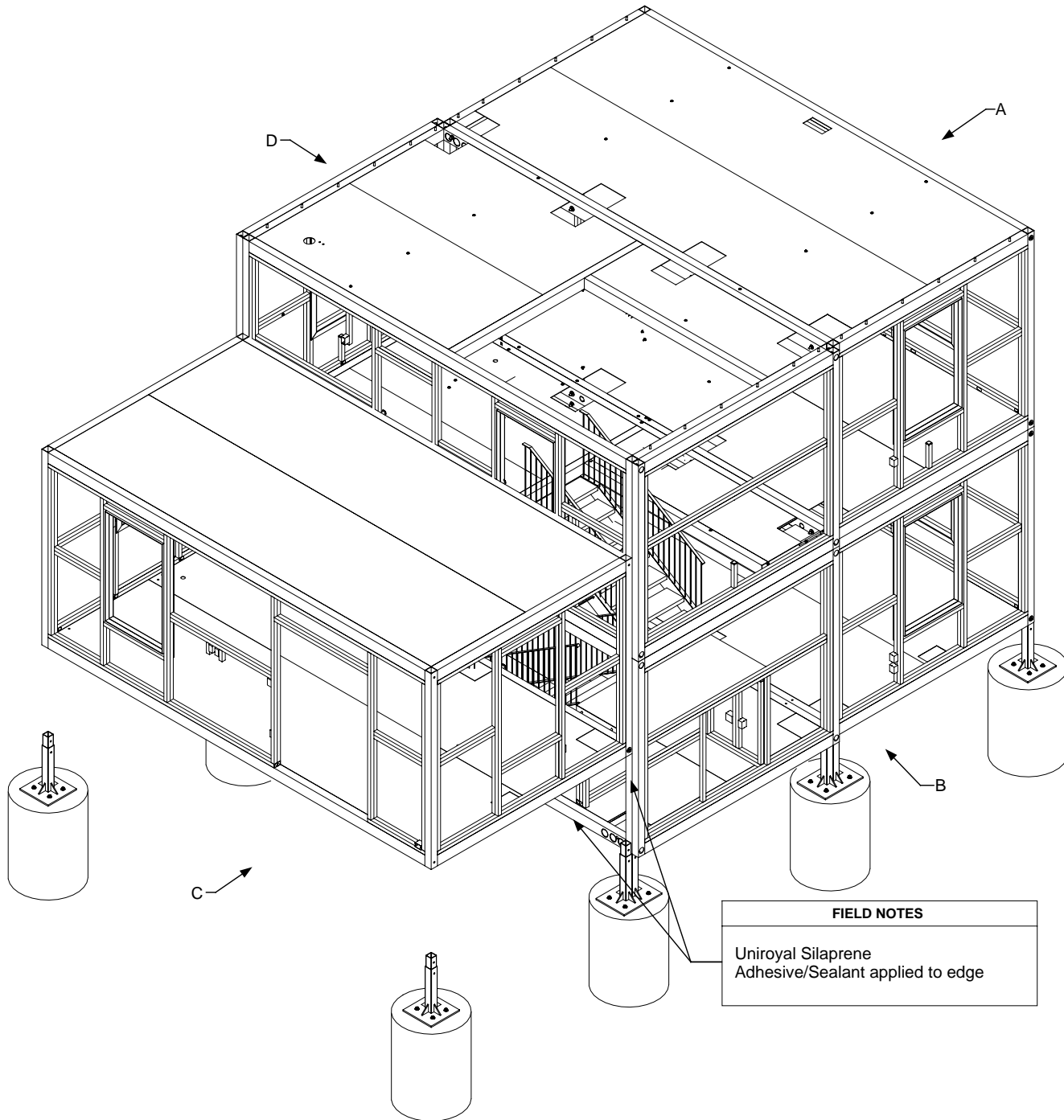
QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to frame
	Bolts and Nuts installed
	Bolt/Nut Count - 22
	Plumbing reconnection
	Plumbing test
	Electrical reconnection
	Electrical test
	Edges between cell and Access hatches are filled level with Weld-On Sealant
	Plaster work: Embed elastomeric plaster and tape
	Adhesive/Sealant applied to exterior edges between Cell
	United Duct Seal "Uni-Seal" sealant applied to duct edge



**DRAWING**

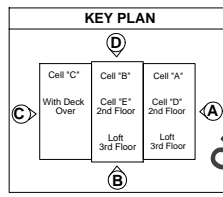
Site Assembly  
Cell E  
View A & B  
Installation-Cell to cell  
Cell mounted  
Exterior view  
Finished checklist





**FIELD NOTES**

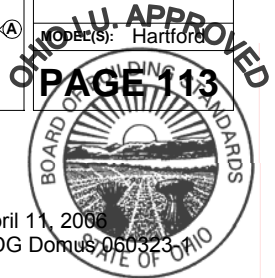
Uniroyal Silaprene  
Adhesive/Sealant applied to edge



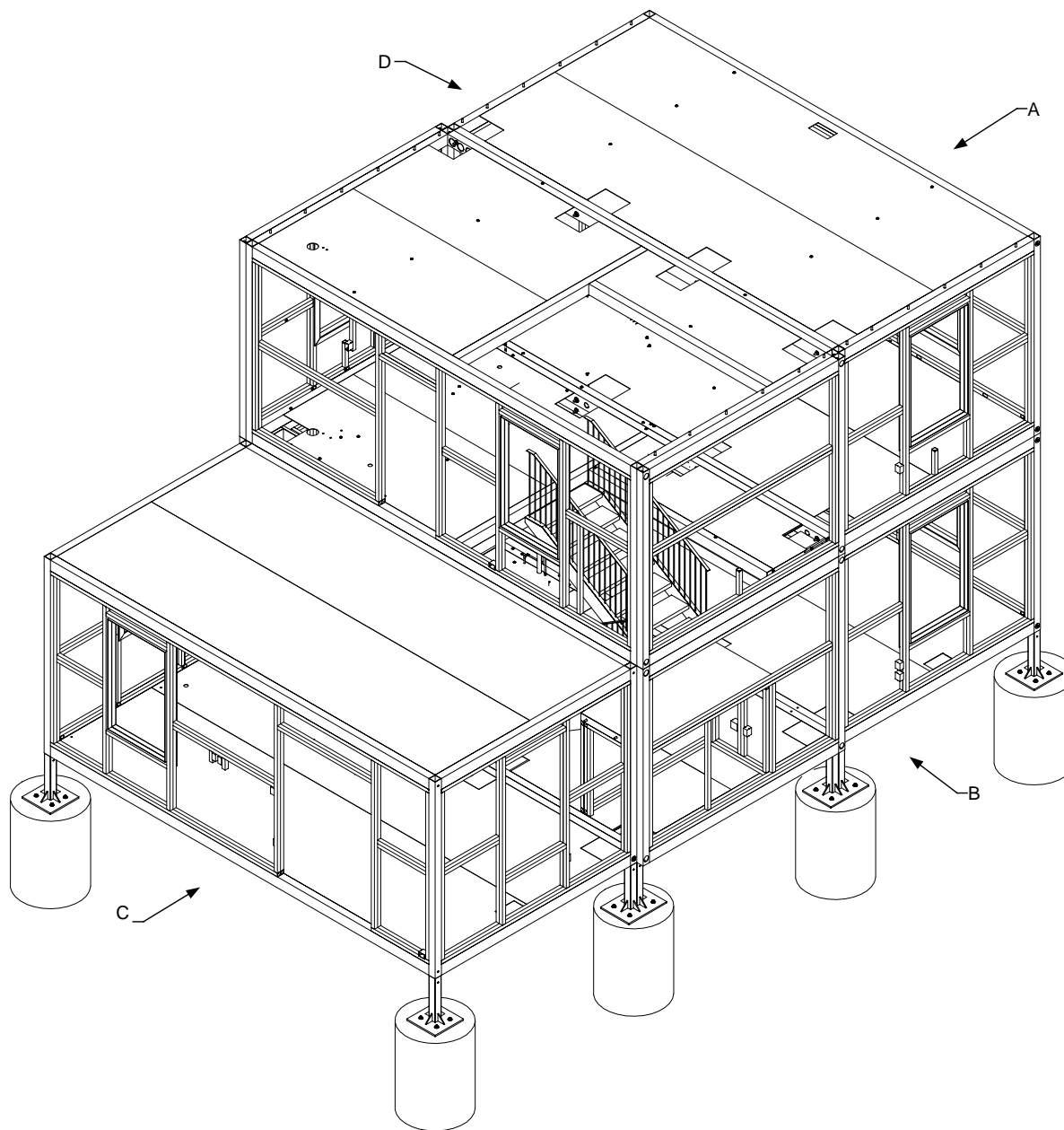
QA Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to frame
	Bolts and Nuts installed
	Bolt/Nut Count - 12
	Plumbing reconnection
	Plumbing test
	Electrical reconnection
	Electrical test
	Edges between cell and Access hatches are filled level with Weld-On Sealant
	Plaster work: Embed elastomeric plaster and tape
	Adhesive/Sealant applied to exterior edges between Cell

**DRAWING**

Cell C  
Site Assembly  
View B & C  
Installation-Cell to  
foundation  
Setting cell

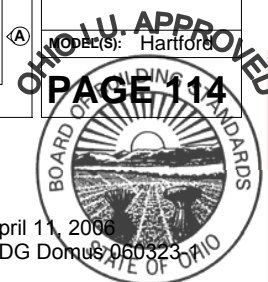
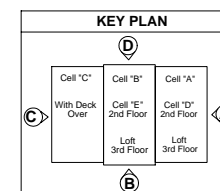




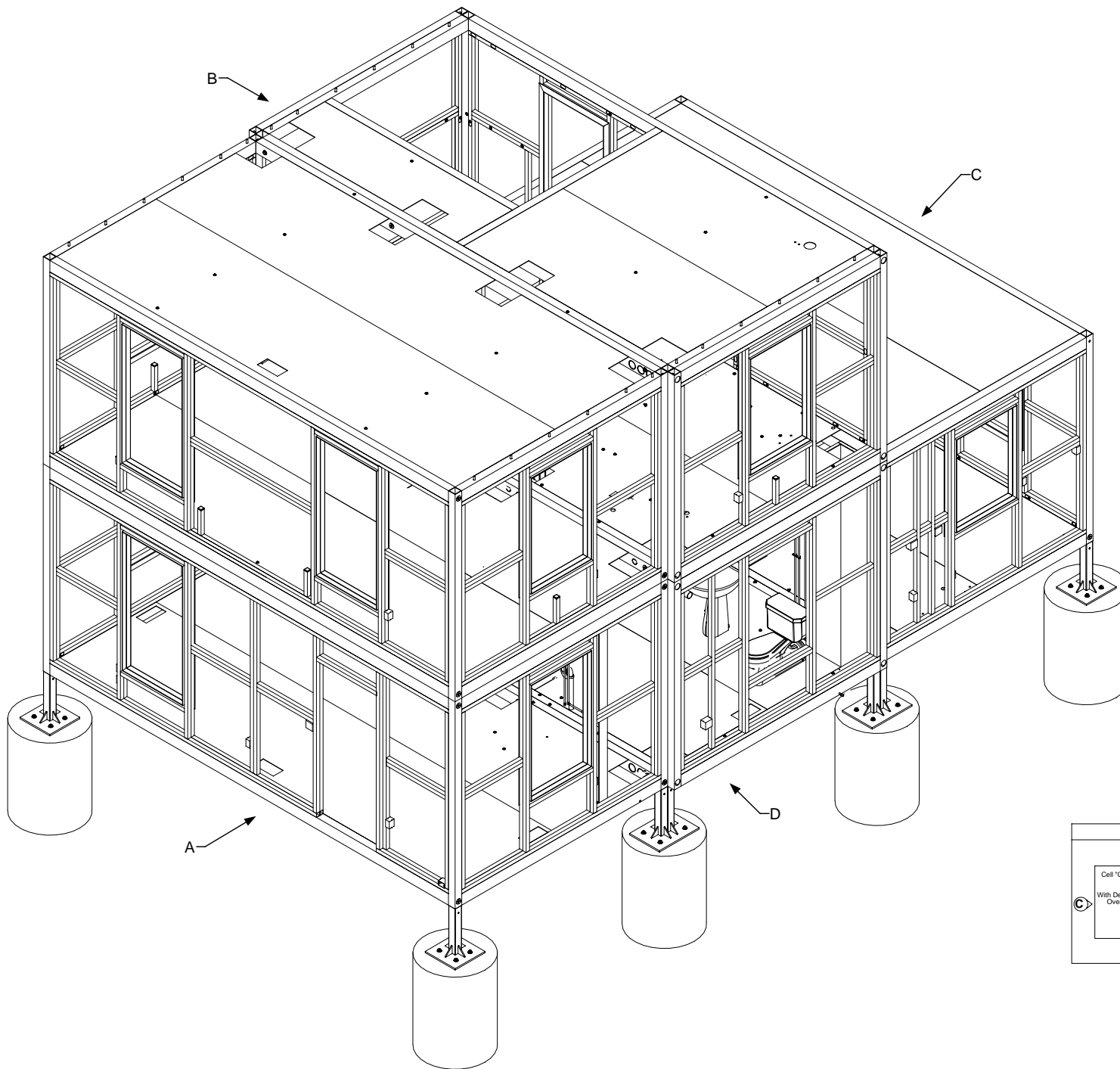


**DRAWING**

Site Assembly  
Cell C  
View B & C  
Installation-Cell to  
foundation  
Cell mounted

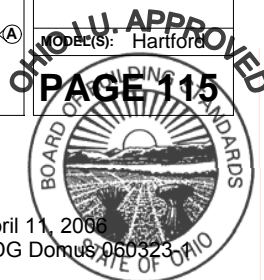
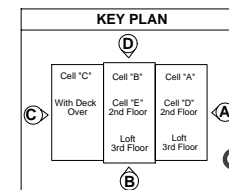


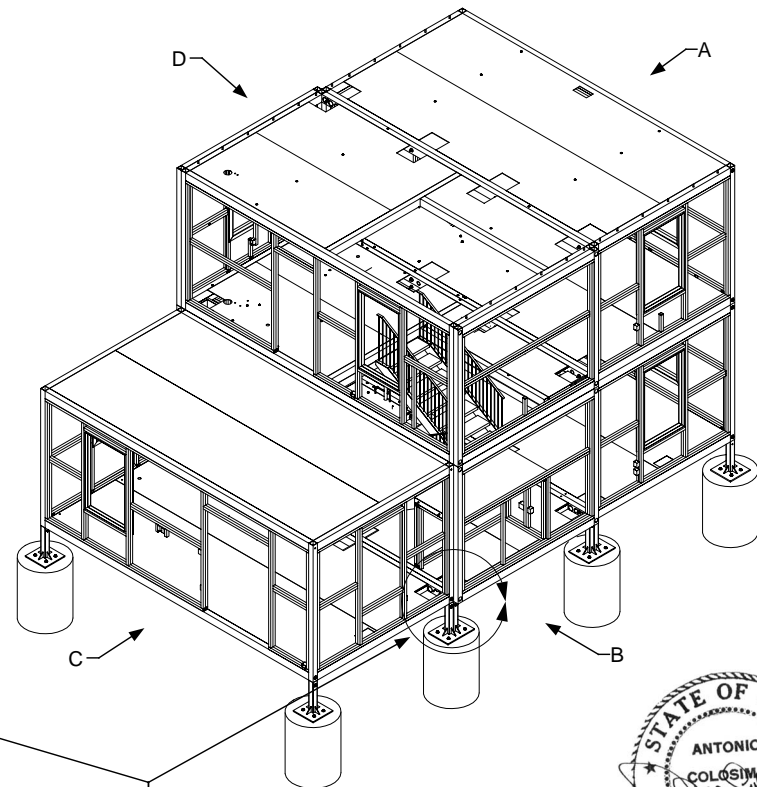
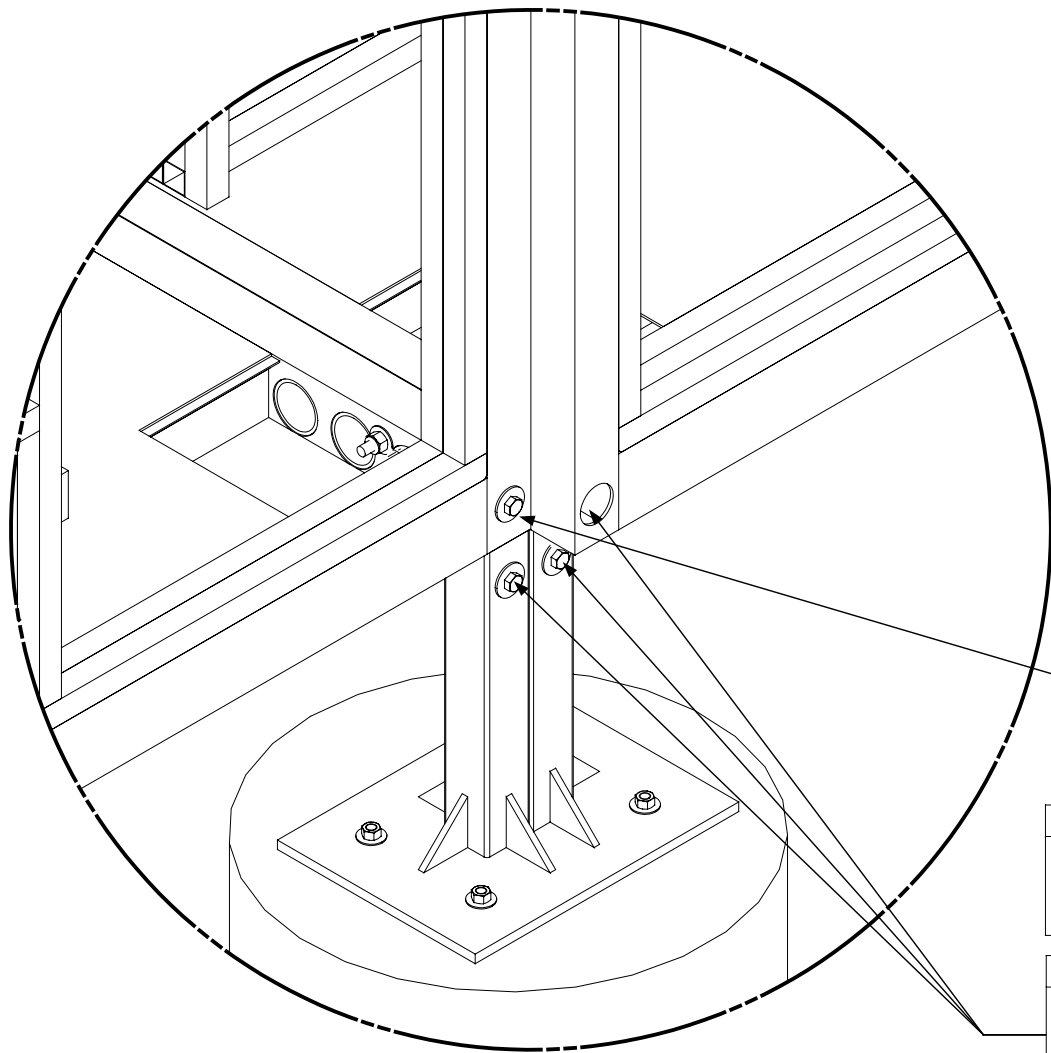




DRAWING

Site Assembly  
Cell C  
View A & D  
Installation-Cell to  
foundation  
Cell mounted





#### FIELD NOTES

Cell Intermediate Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts, torqued to minimum of 20 ft. lbs.

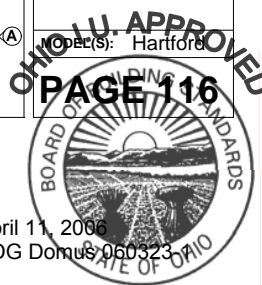
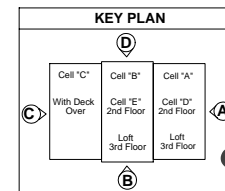
#### FIELD NOTES

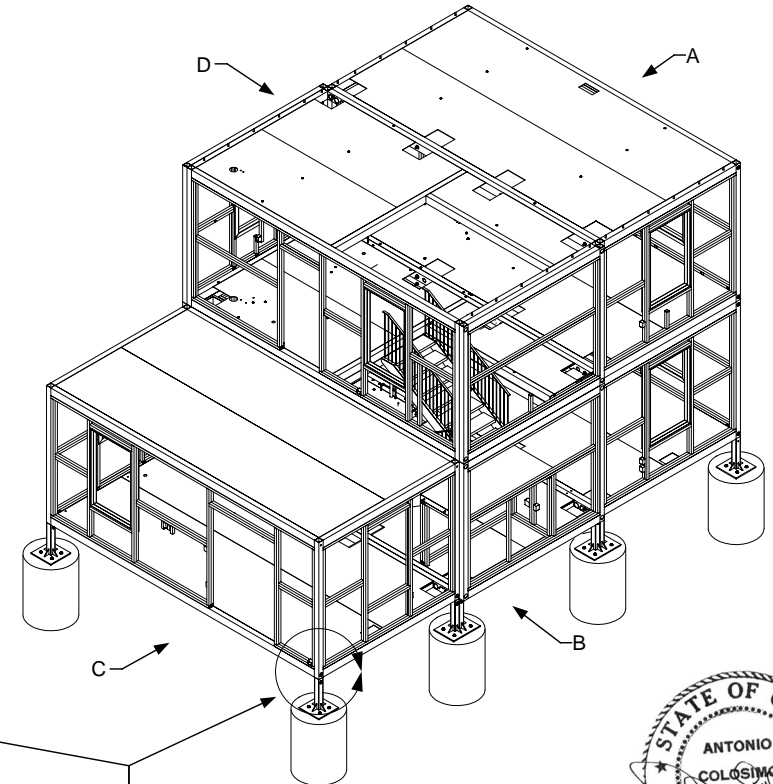
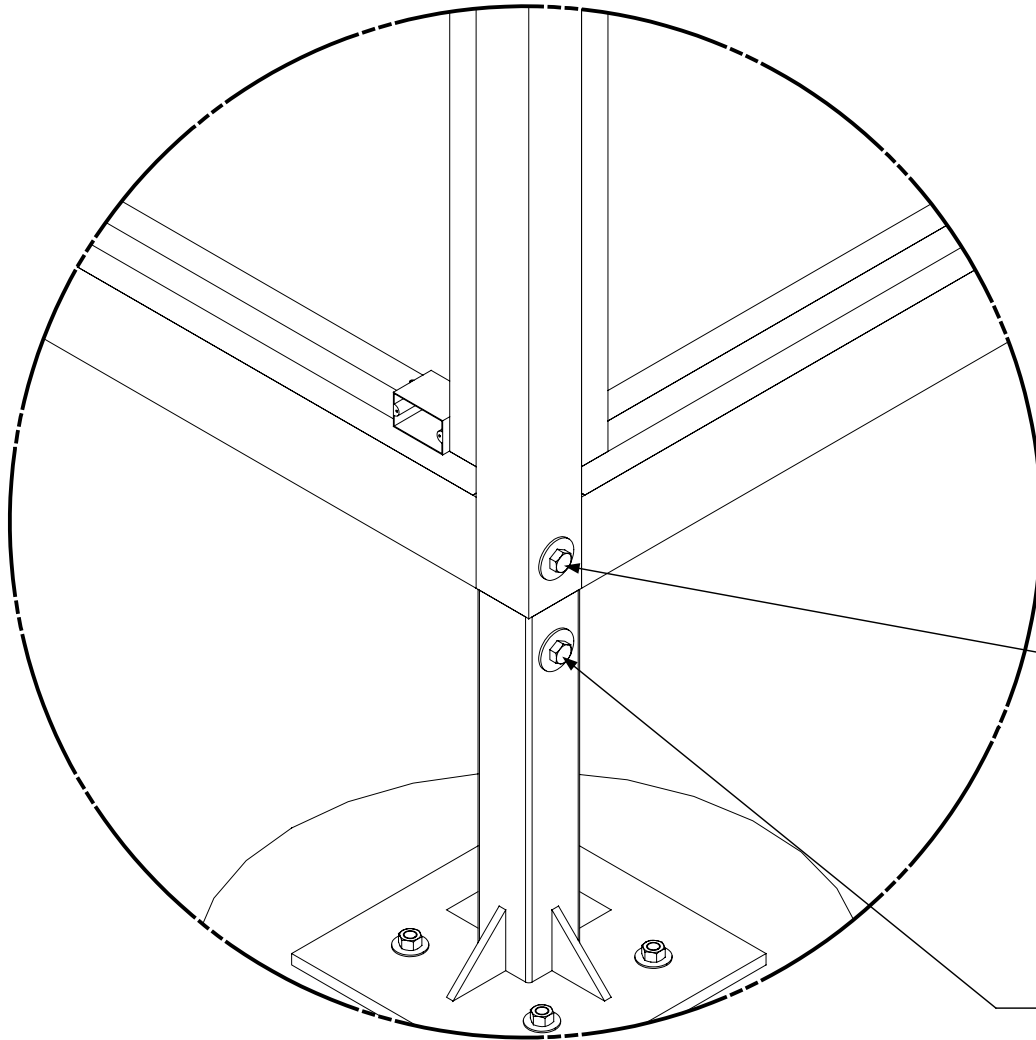
When installing Connector Bolts & Nuts, check torque rating on other Connectors



#### DRAWING

Site Assembly  
Cell C  
View B & C  
Installation-Bolts  
Detail 1



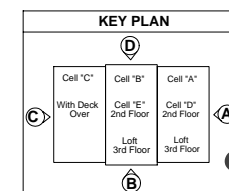


**FIELD NOTES**

Cell Corner Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts, torqued to minimum of 20 ft. lbs.

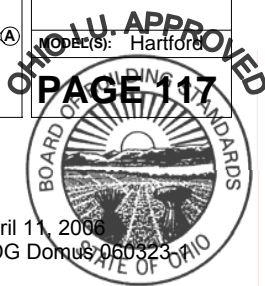
**FIELD NOTES**

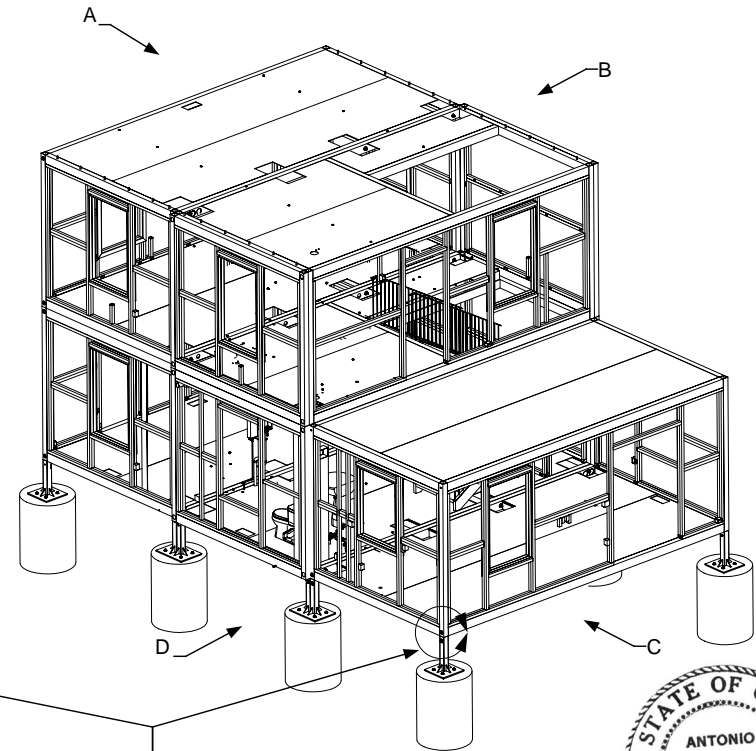
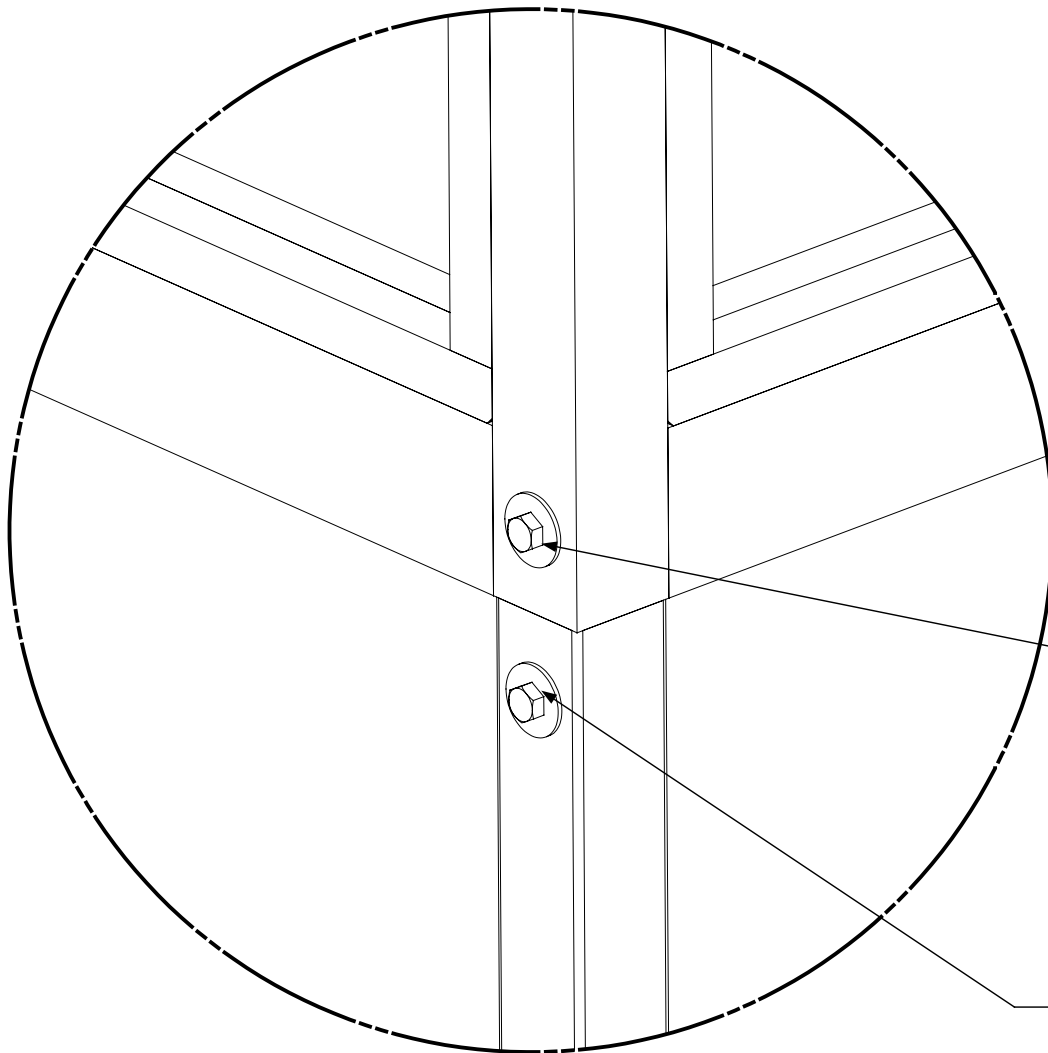
When installing Connector Bolts & Nuts, check torque rating on other Connectors



**DRAWING**

Site Assembly  
Cell C  
View B & C  
Installation-Bolts  
Detail 2





#### FIELD NOTES

Cell Corner Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts, torqued to minimum of 20 ft. lbs.

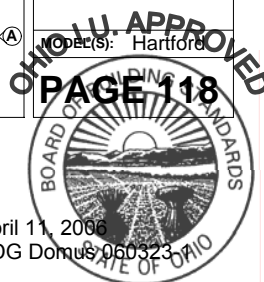
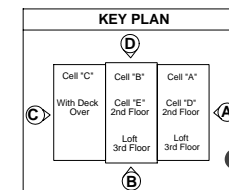
#### FIELD NOTES

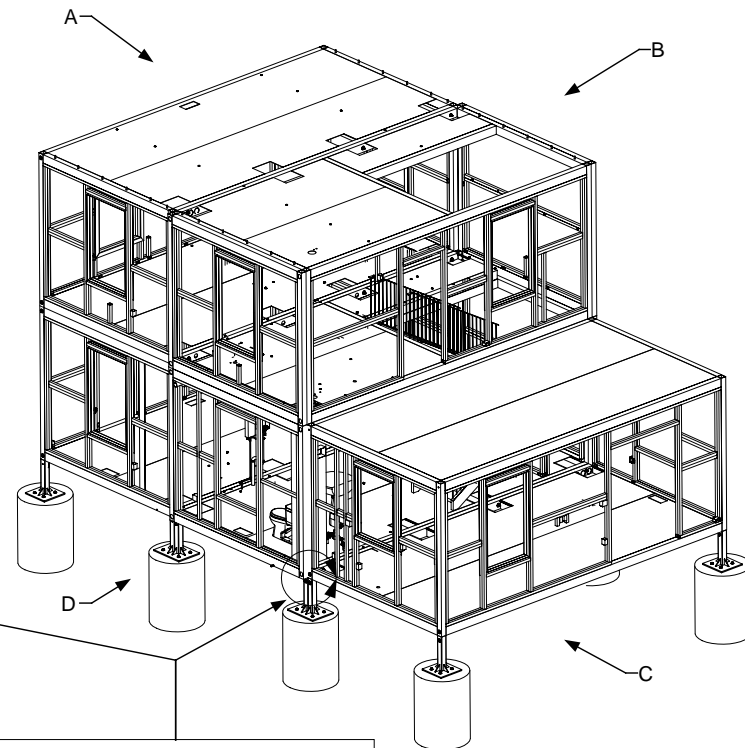
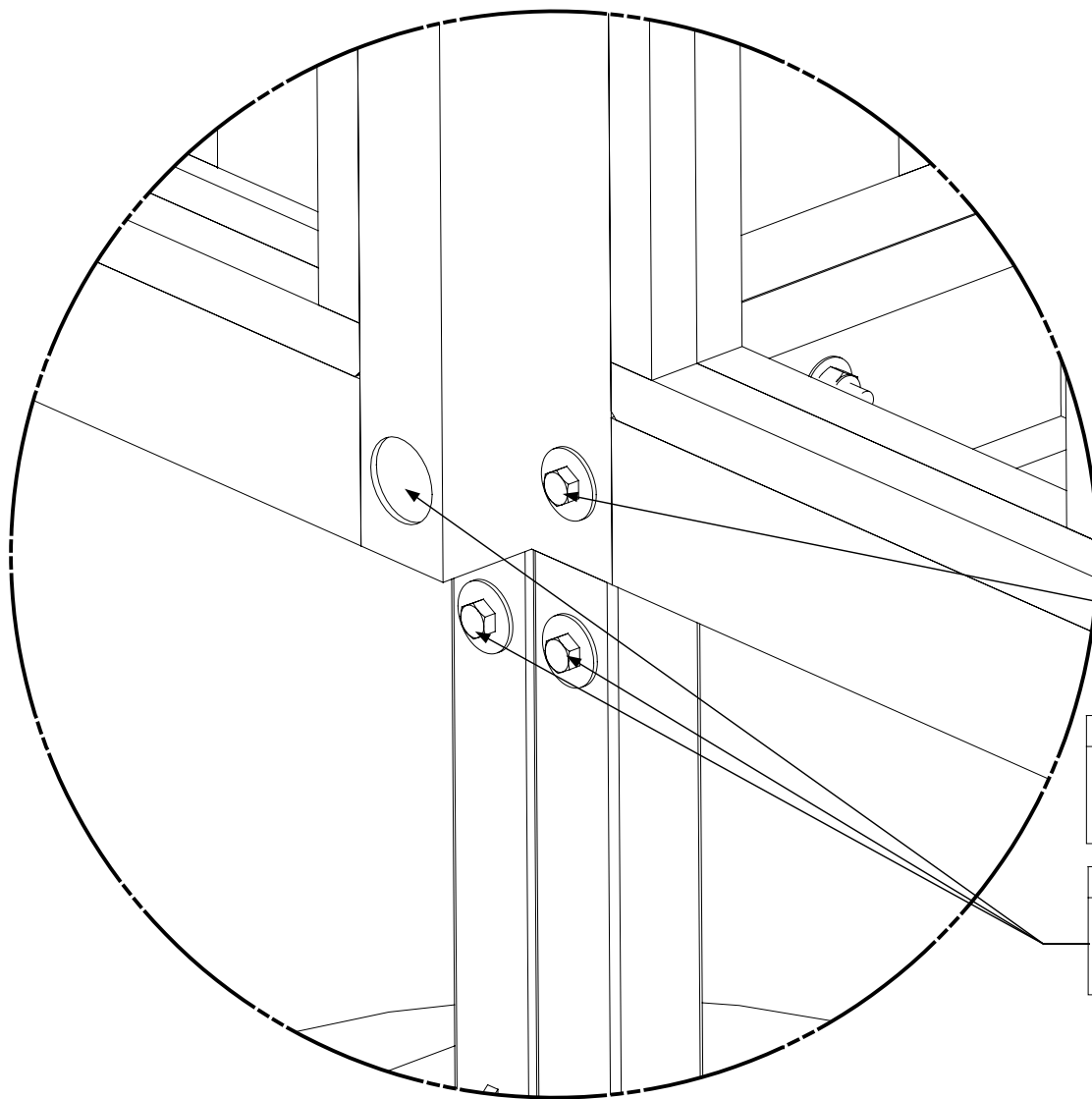
When installing Connector Bolts & Nuts, check torque rating on other Connectors



#### DRAWING

Site Assembly  
Cell C  
View C & D  
Installation-Bolts  
Detail 3





#### FIELD NOTES

Intermediate Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts, torqued to minimum of 20 ft. lbs.

#### FIELD NOTES

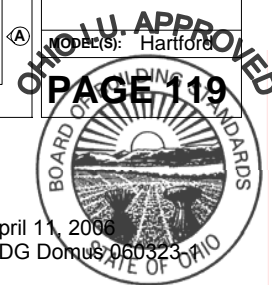
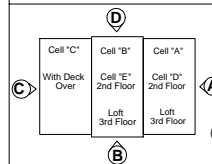
When installing Connector Bolts & Nuts, check torque rating on other Connectors



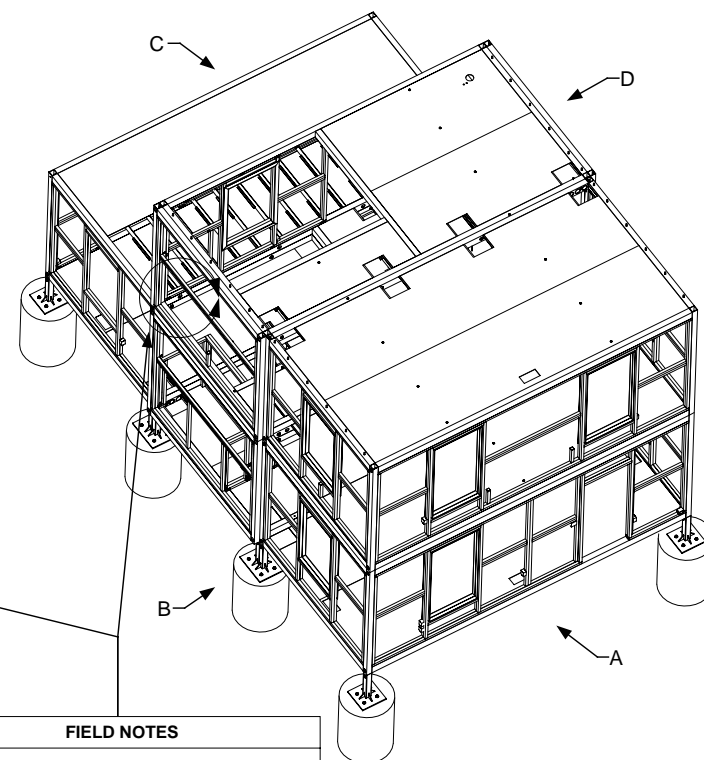
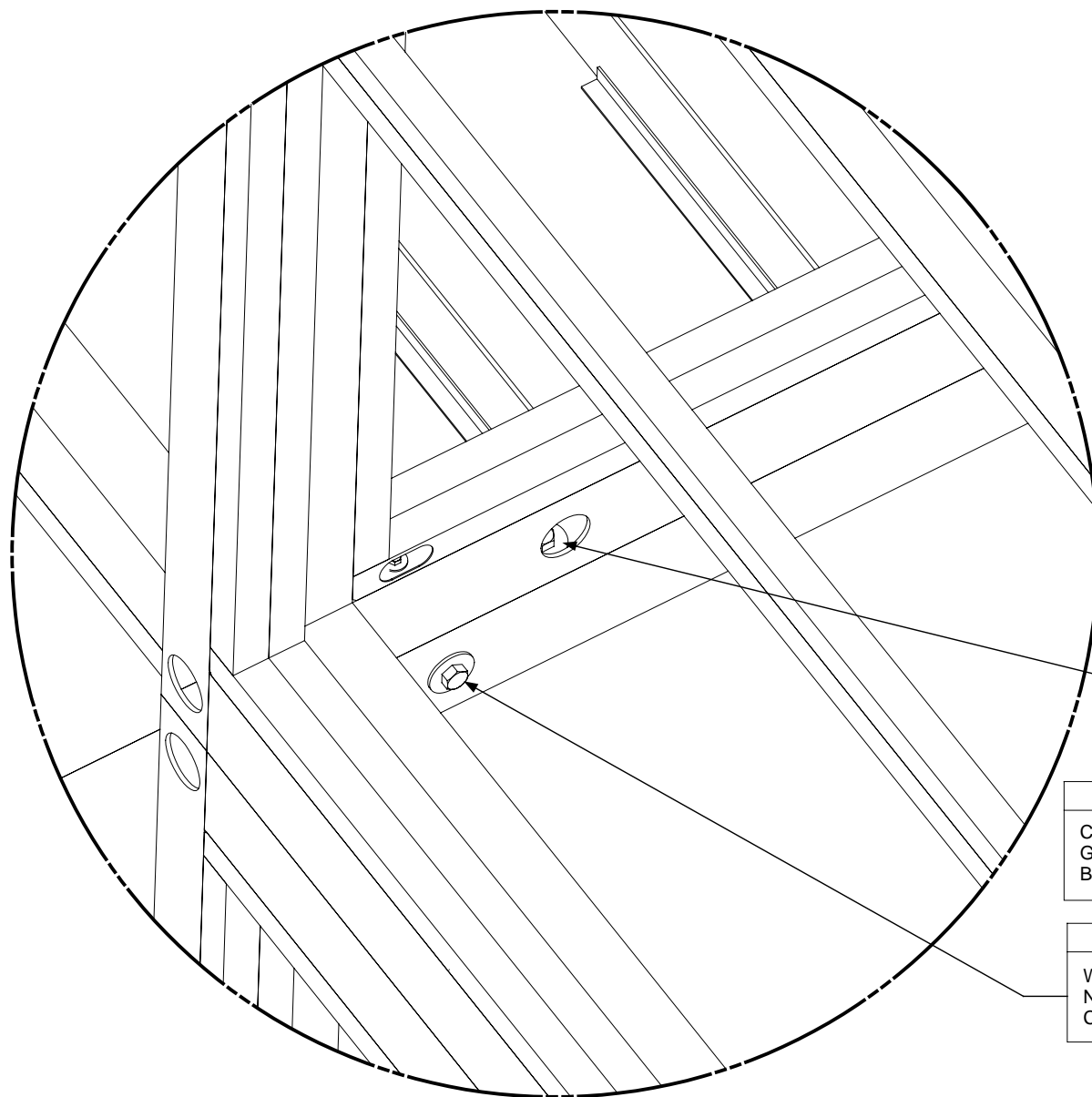
#### DRAWING

Site Assembly  
Cell C  
View C & D  
Installation-Bolts  
Detail 4

#### KEY PLAN







**FIELD NOTES**

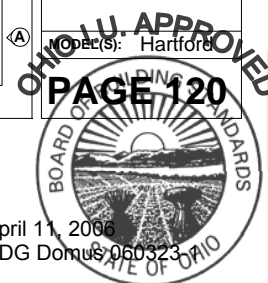
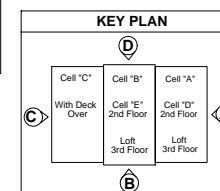
Cell Connectors  
 Grade 5 Bolt & Nut 3/4" x 1 1/2"  
 Bolts, torqued to minimum of 20 ft. lbs.

**FIELD NOTES**

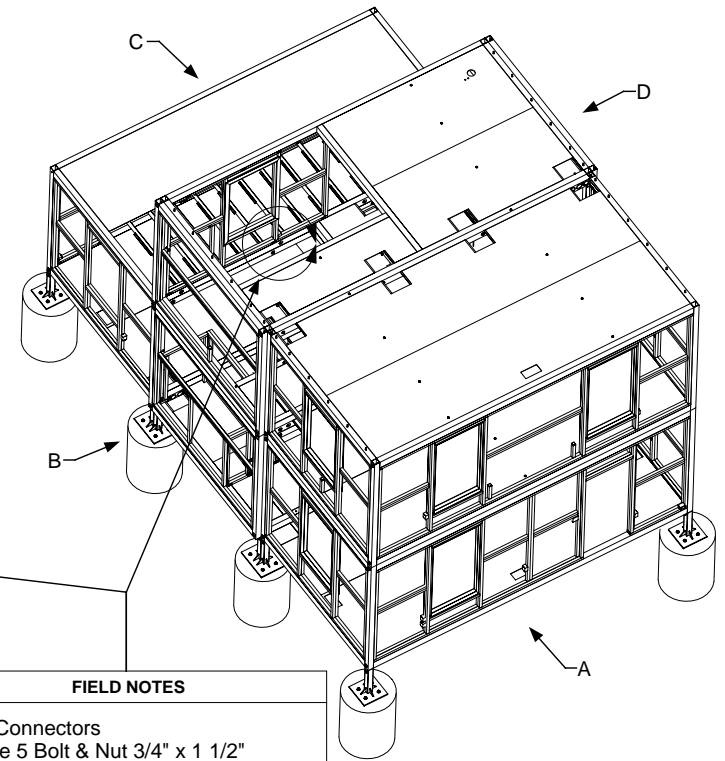
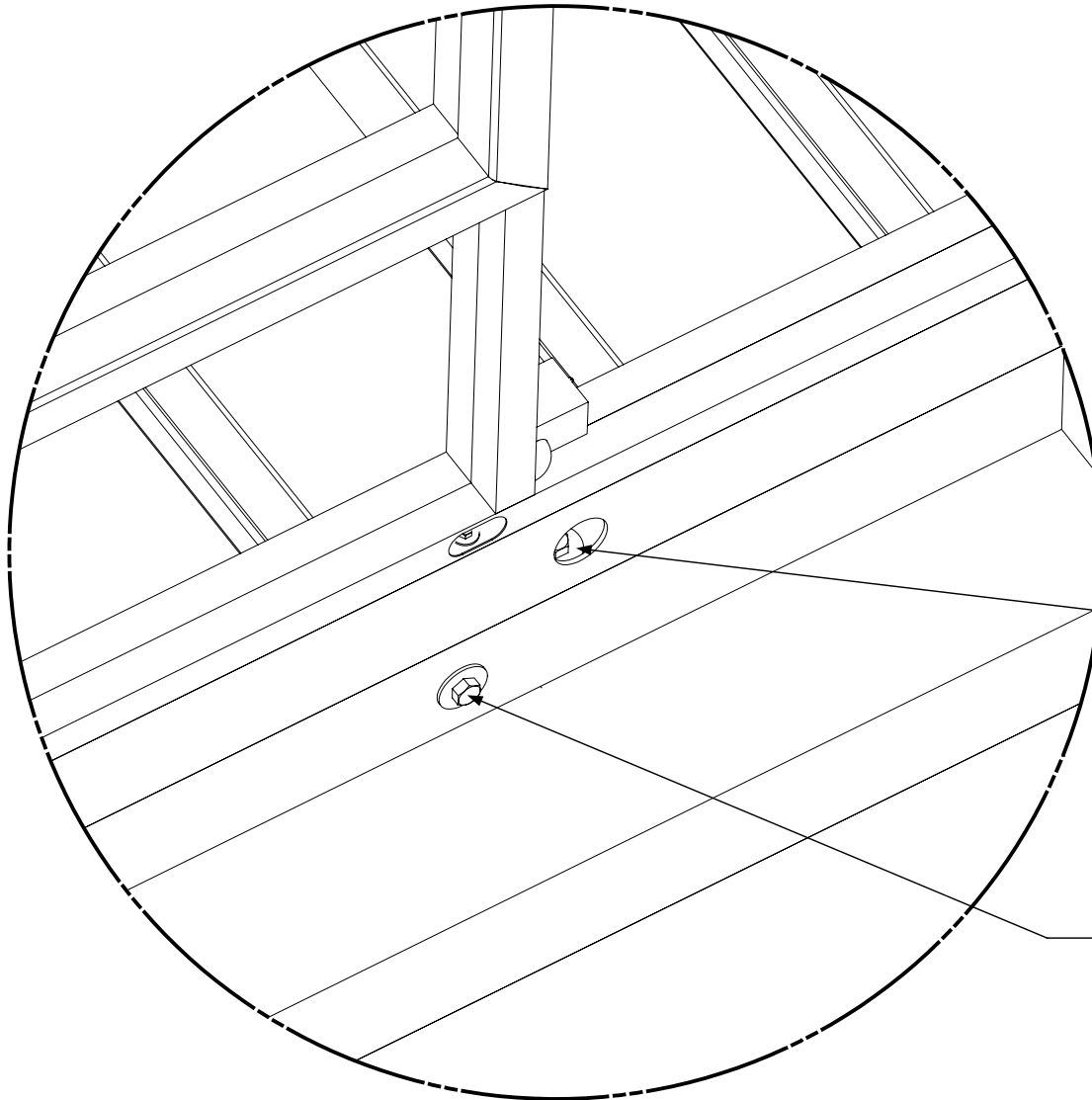
When installing Connector Bolts & Nuts, check torque rating on other Connectors

**DRAWING**

Site Assembly  
 Cell C  
 View A & B  
 Installation-Bolts  
 Detail 5







**FIELD NOTES**

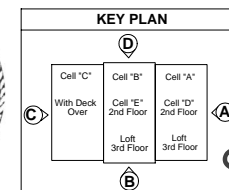
Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 1 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.

**FIELD NOTES**

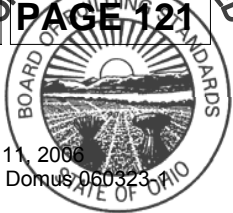
When installing Connector Bolts & Nuts, check torque rating on other Connectors

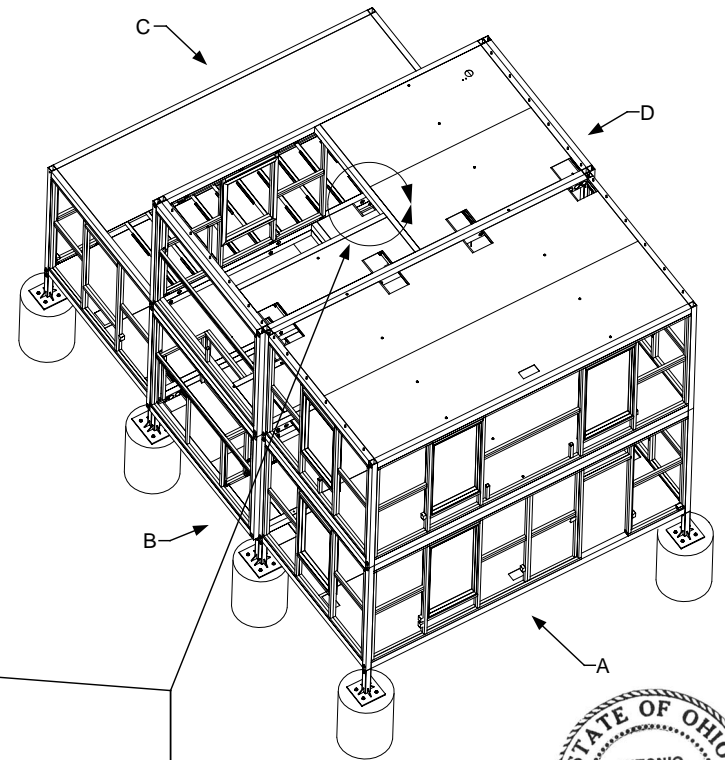
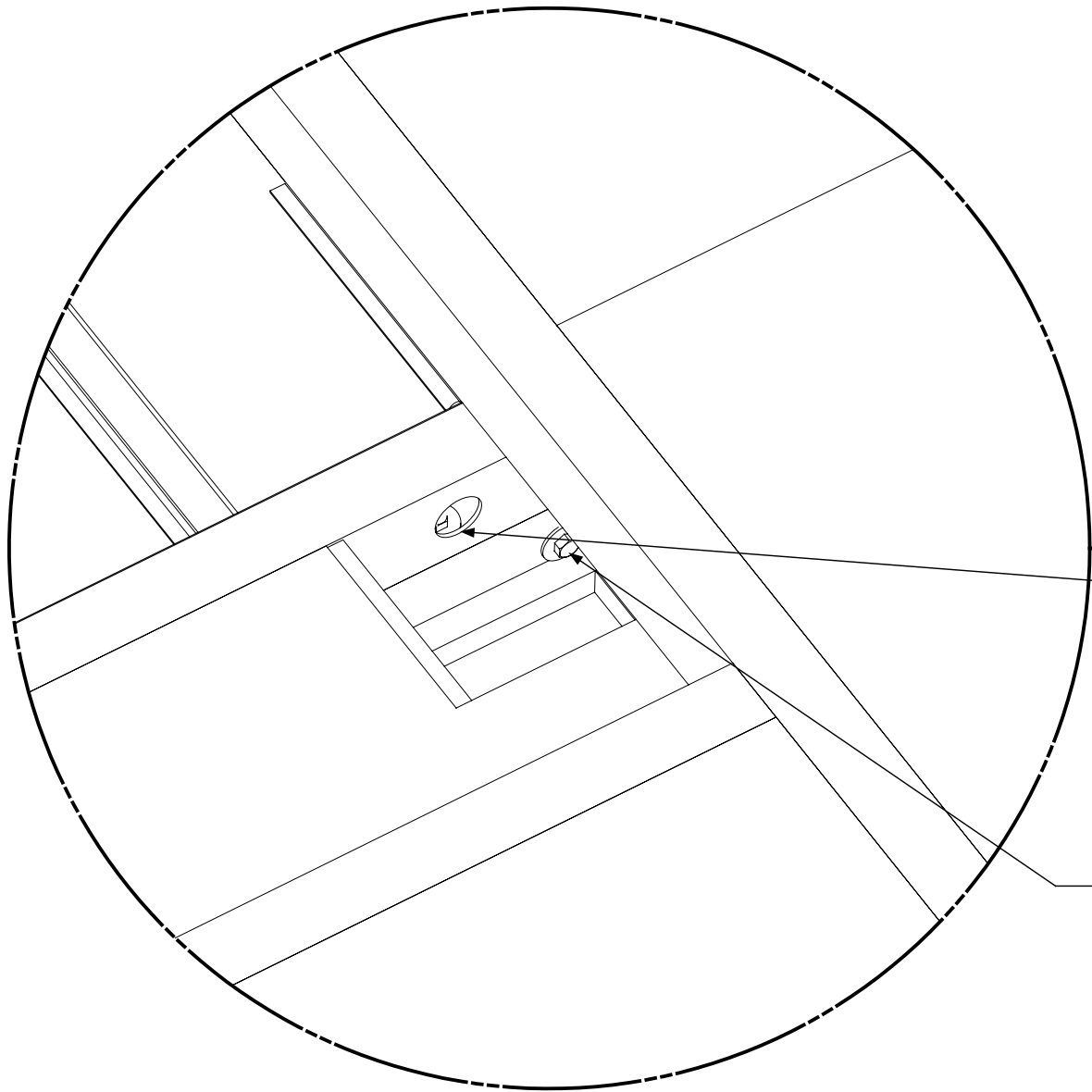
**DRAWING**

Site Assembly  
Cell C  
View A & B  
Installation-Bolts  
Detail 6



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Hartford





#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 1 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.

#### FIELD NOTES

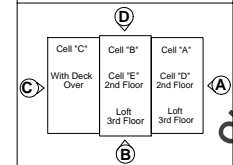
When installing Connector Bolts & Nuts, check torque rating on other Connectors



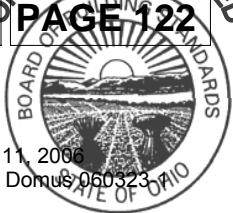
#### DRAWING

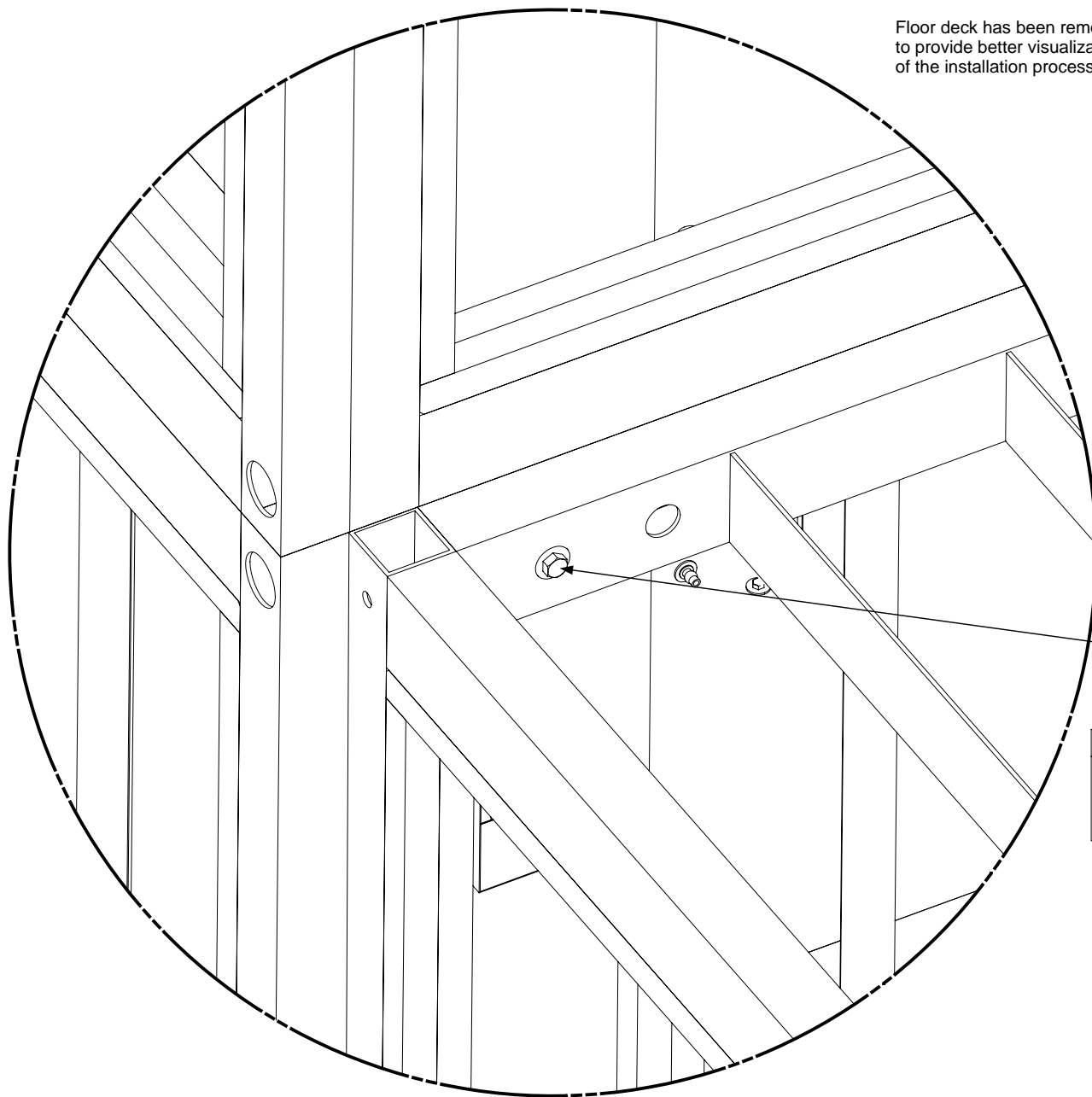
Site Assembly  
Cell C  
View A & B  
Installation-Bolts  
Detail 7

#### KEY PLAN

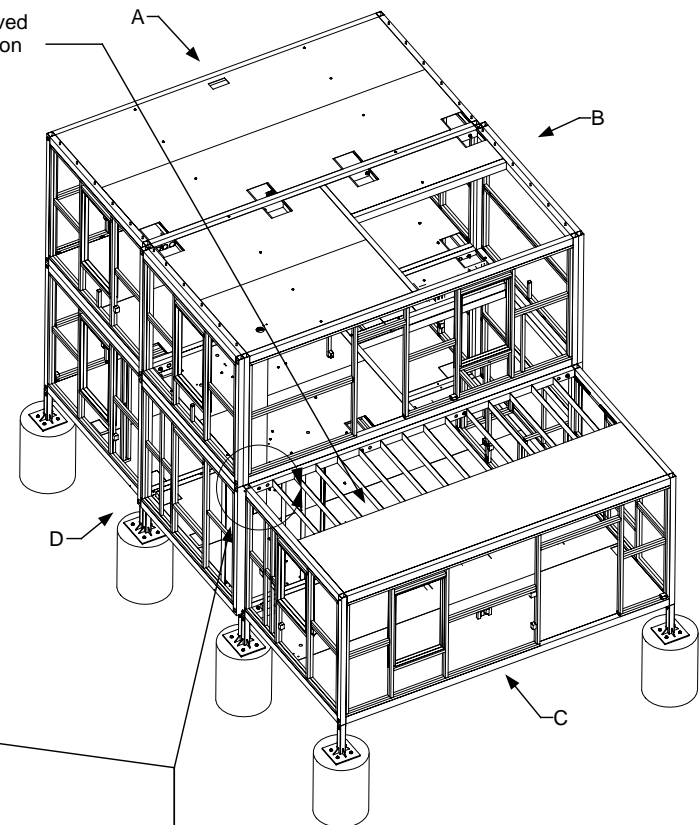


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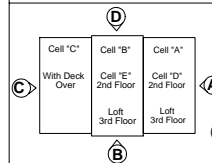
Floor deck has been removed  
to provide better visualization  
of the installation process



#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.

#### KEY PLAN

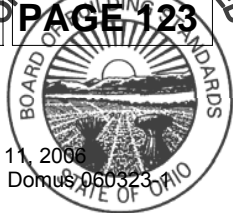


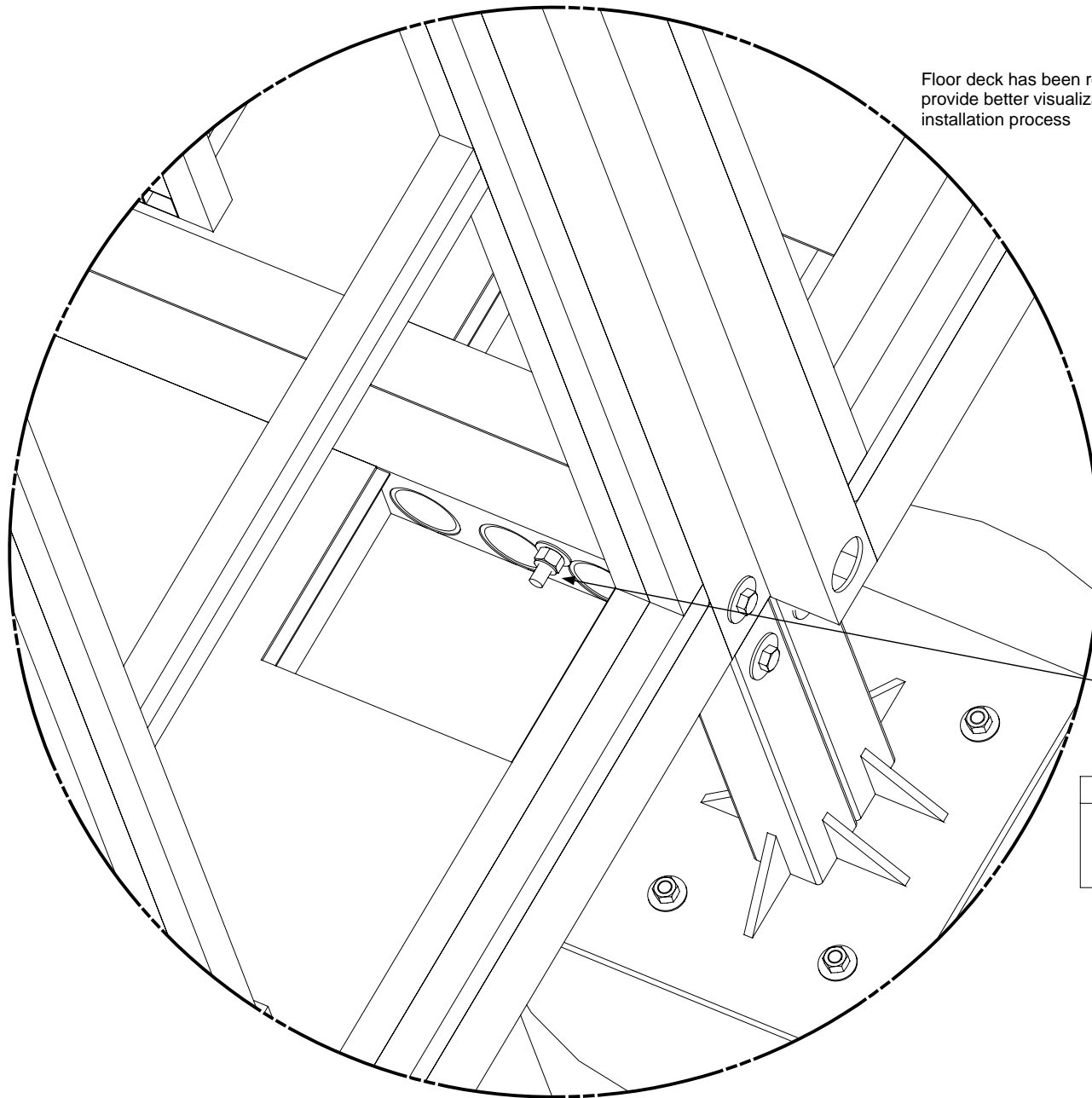
#### DRAWING

Site Assembly  
Cell C  
View C & D  
Installation-Bolts  
Detail 8

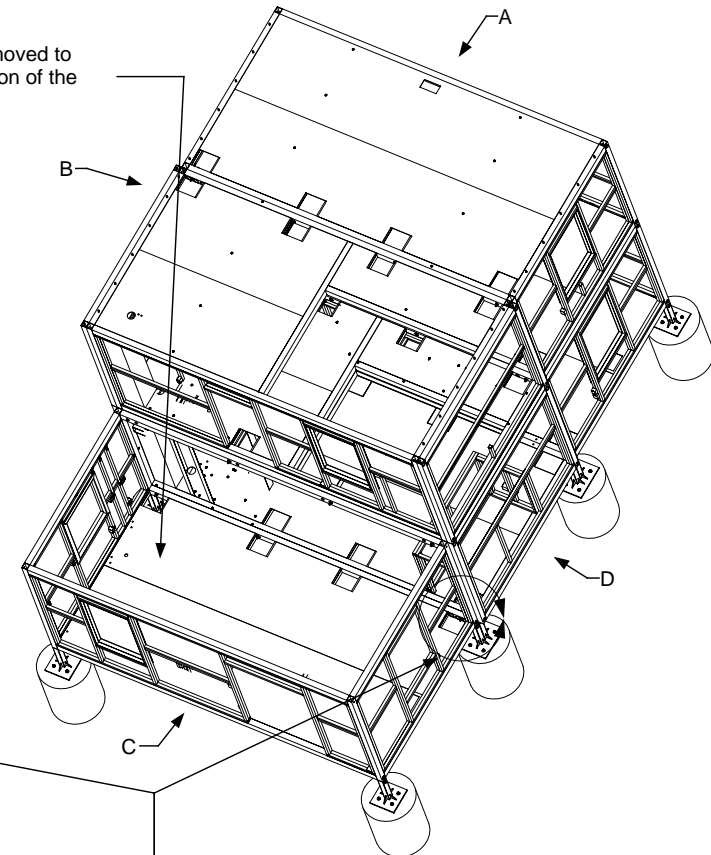


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Floor deck has been removed to provide better visualization of the installation process



#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.

#### DRAWING

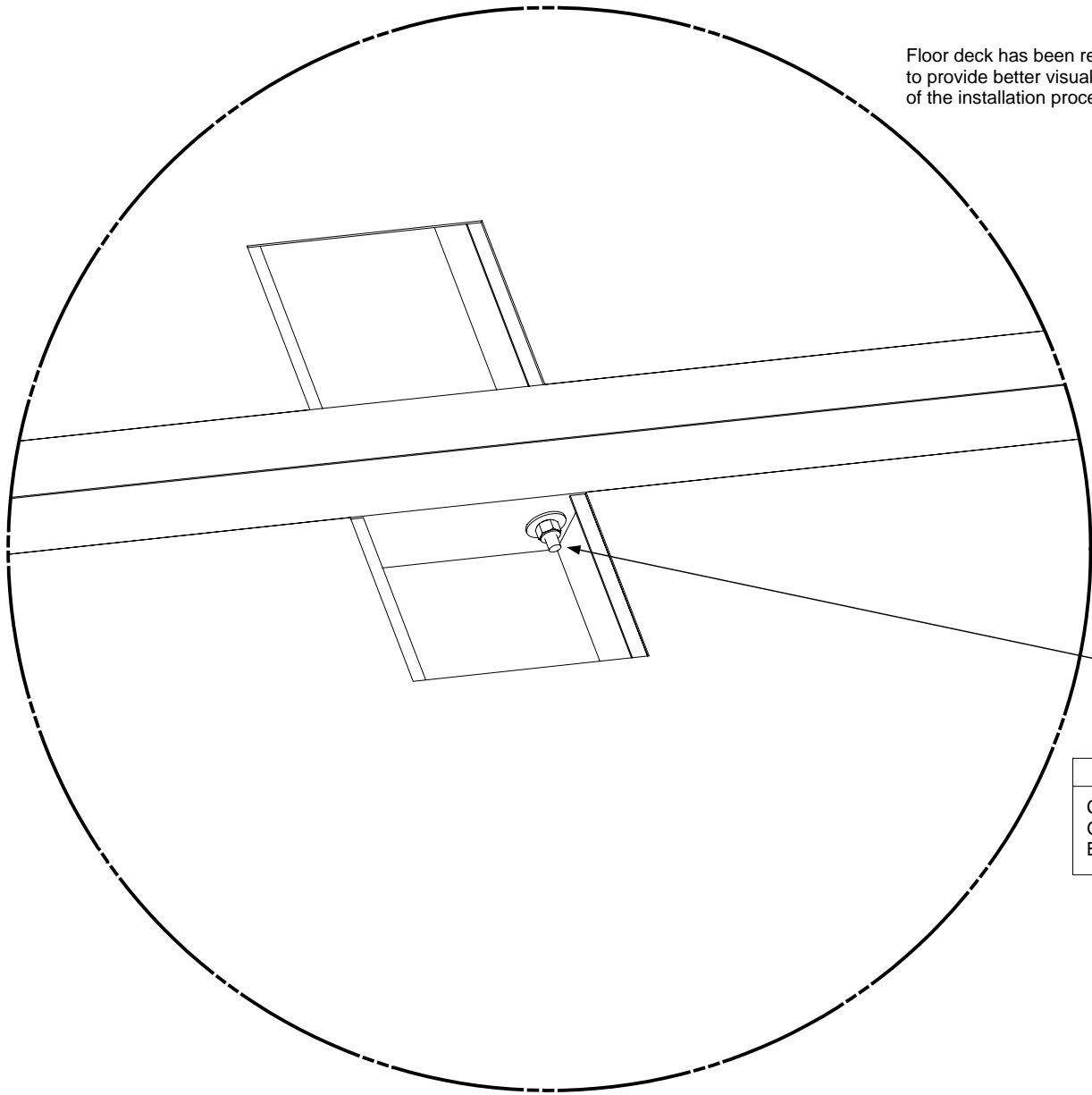
Site Assembly  
Cell C  
View C & D  
Installation-Bolts  
Detail 9



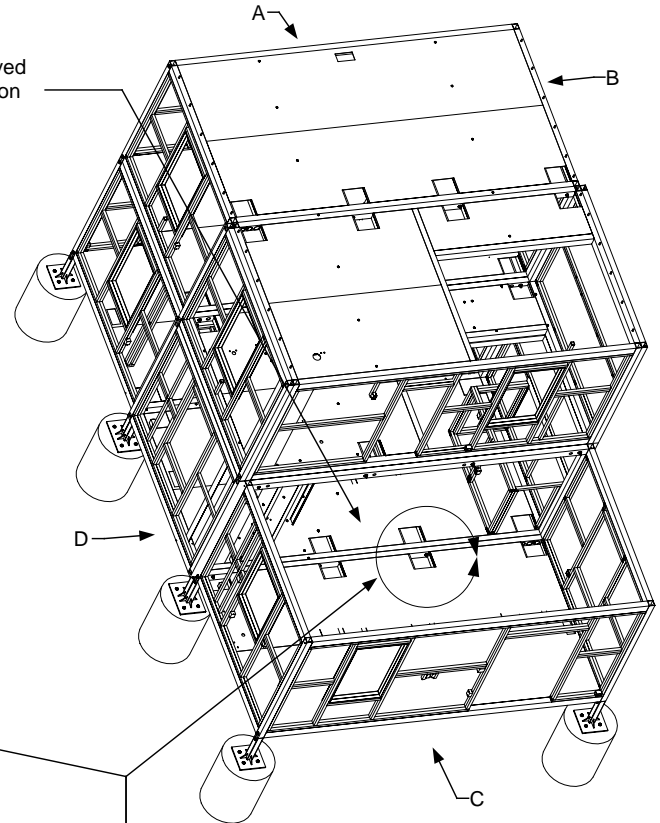
KEY PLAN		
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
	Loft 3rd Floor	Loft 3rd Floor

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Floor deck has been removed  
to provide better visualization  
of the installation process



#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.

#### DRAWING

Site Assembly  
Cell C  
View C & D  
Installation-Bolts  
Detail 10

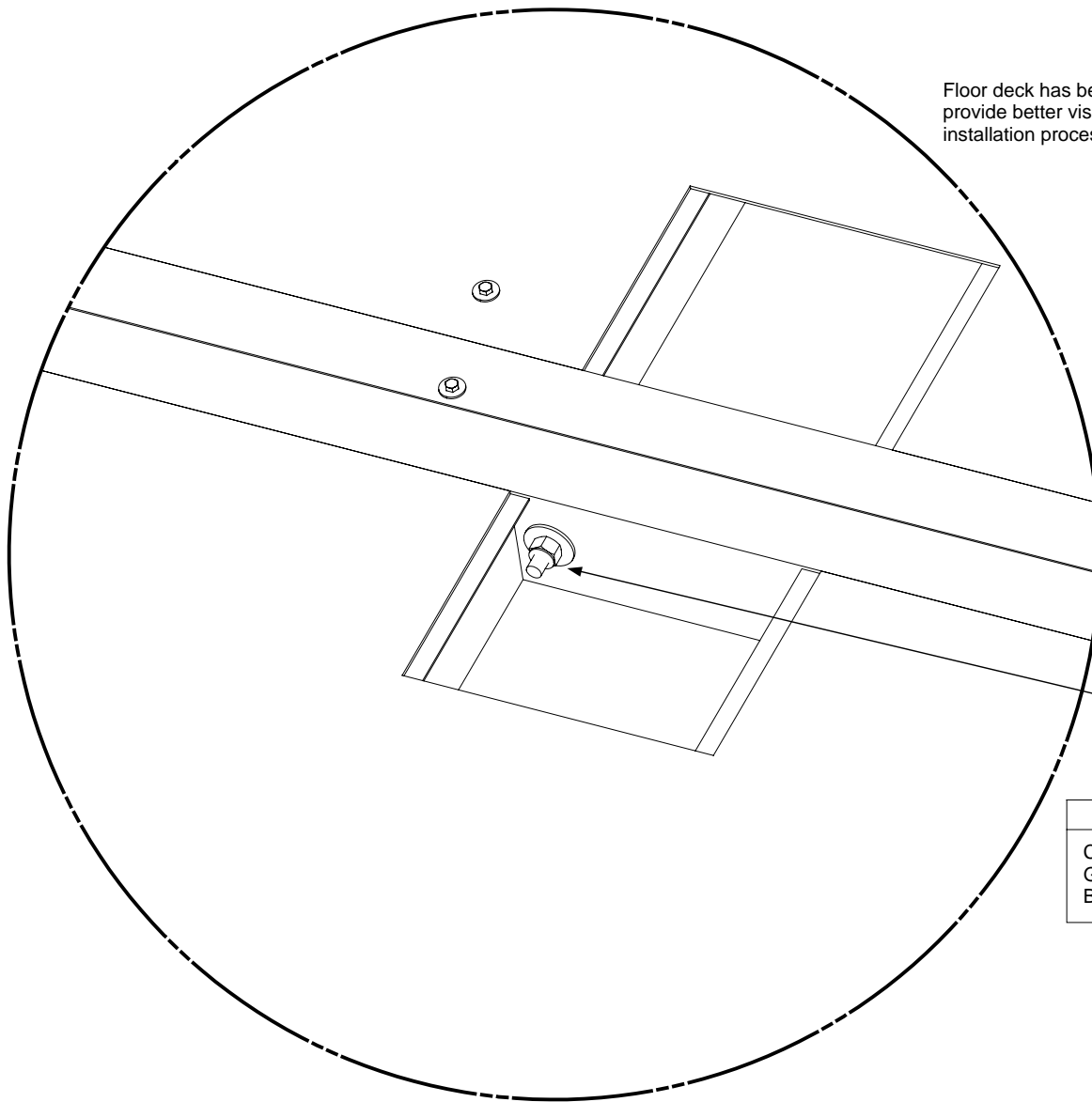


KEY PLAN		
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
	Loft 3rd Floor	Loft 3rd Floor

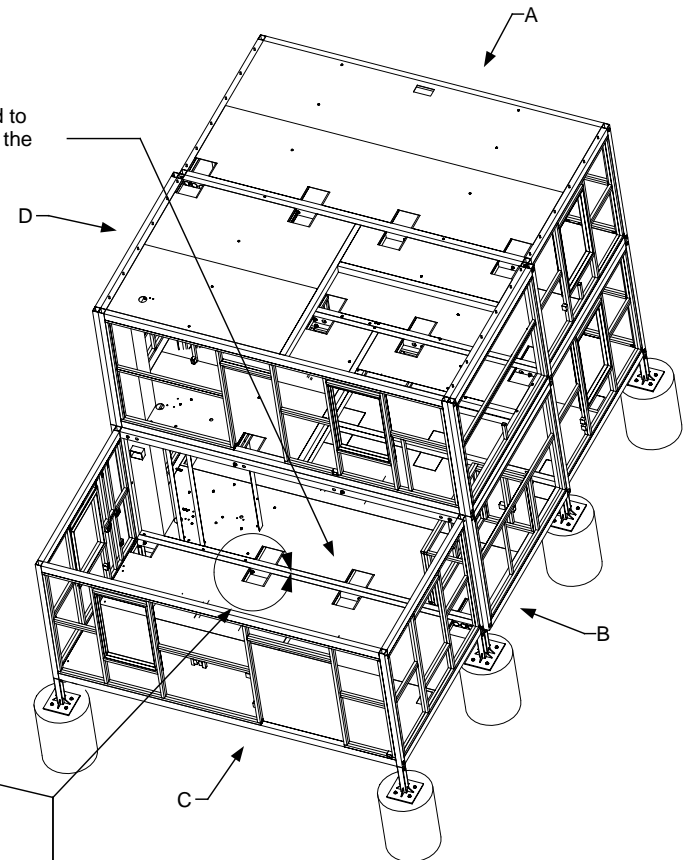
OHIO U. APPROVED  
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Floor deck has been removed to provide better visualization of the installation process



#### FIELD NOTES

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.

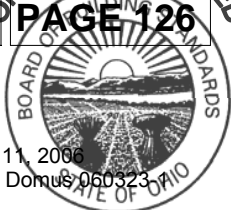
#### DRAWING

Site Assembly  
Cell C  
View B & C  
Installation-Bolts  
Detail 11

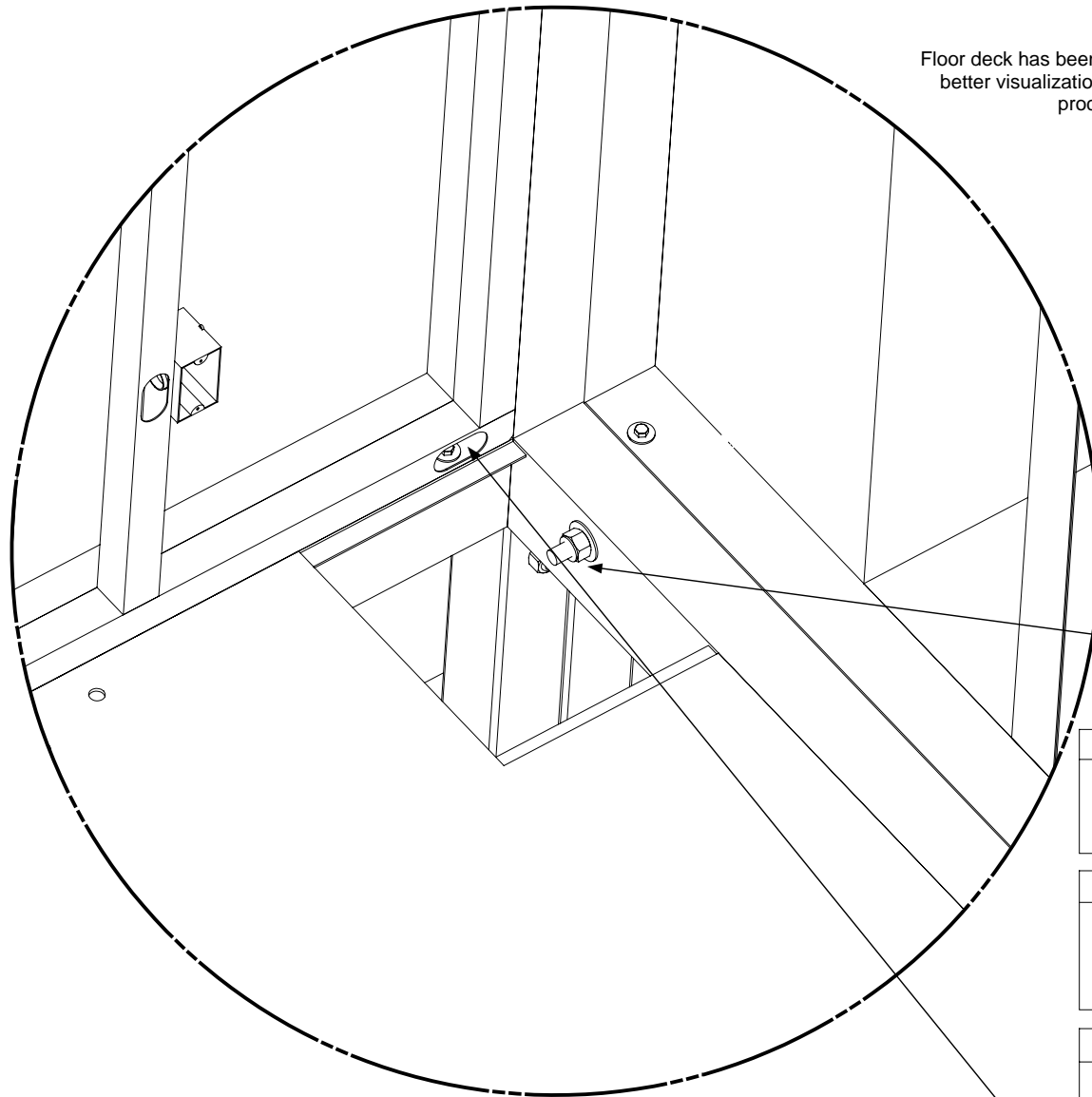


KEY PLAN		
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
	Loft 3rd Floor	Loft 3rd Floor

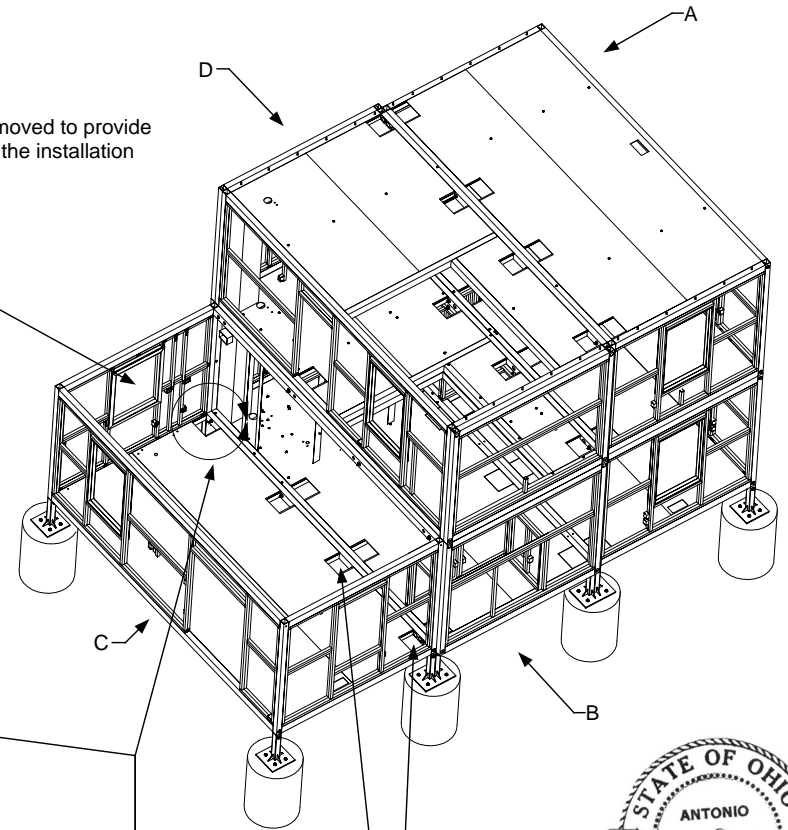
OHIO U. APPROVED  
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Floor deck has been removed to provide better visualization of the installation process



#### FIELD NOTES

Cell Corner Connectors  
Grade 5 Bolt & Nut 3/4" x 9 1/2"  
Bolts, torqued to minimum of 20 ft. lbs.

#### FIELD NOTES

Remaining 8 Hatch Covers installed  
Edges between Cell and Access  
Hatches are filled, leveled with Weld-  
On Sealant

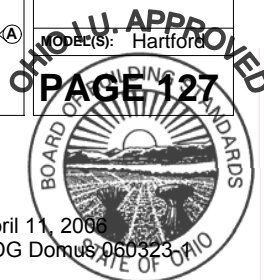
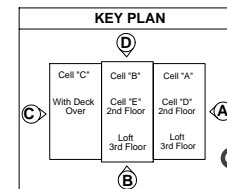
#### FIELD NOTES

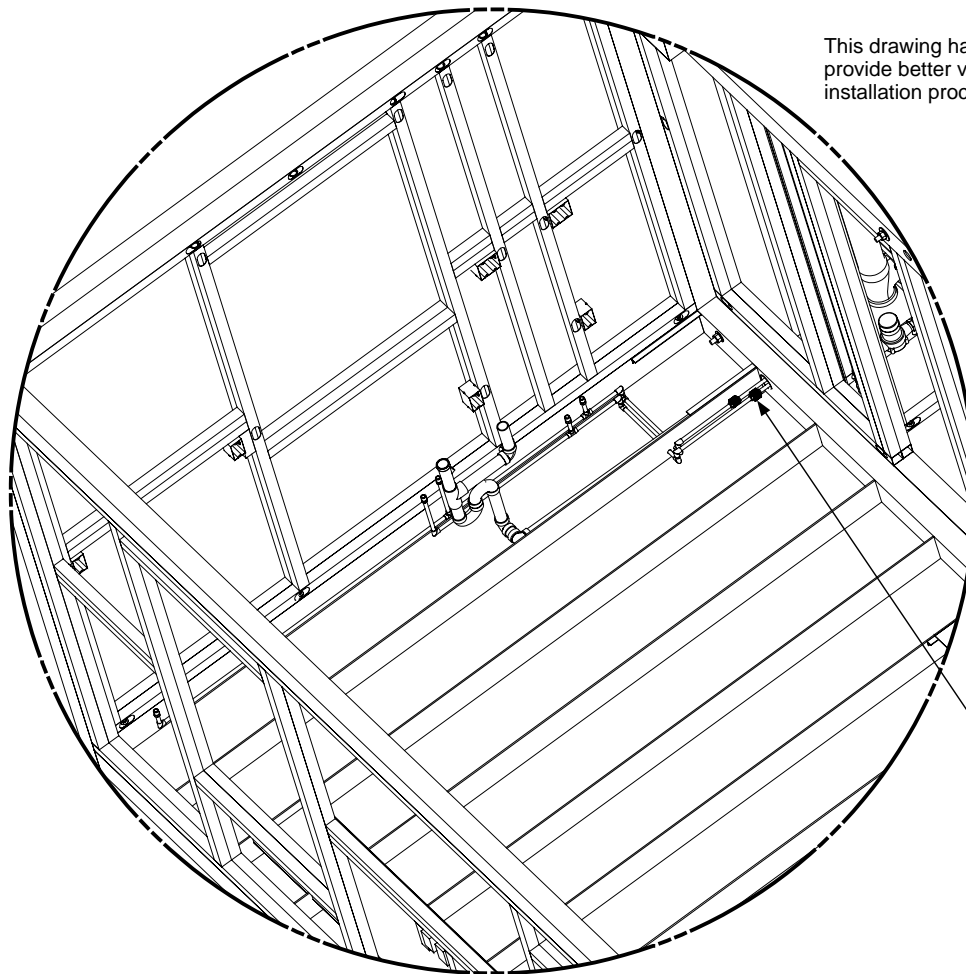
Electrical reconnection point  
Reconnection: Use of Molex UL  
approved COC-1 Crossover 3/C  
Connector  
Ref: Electrical Application Manual



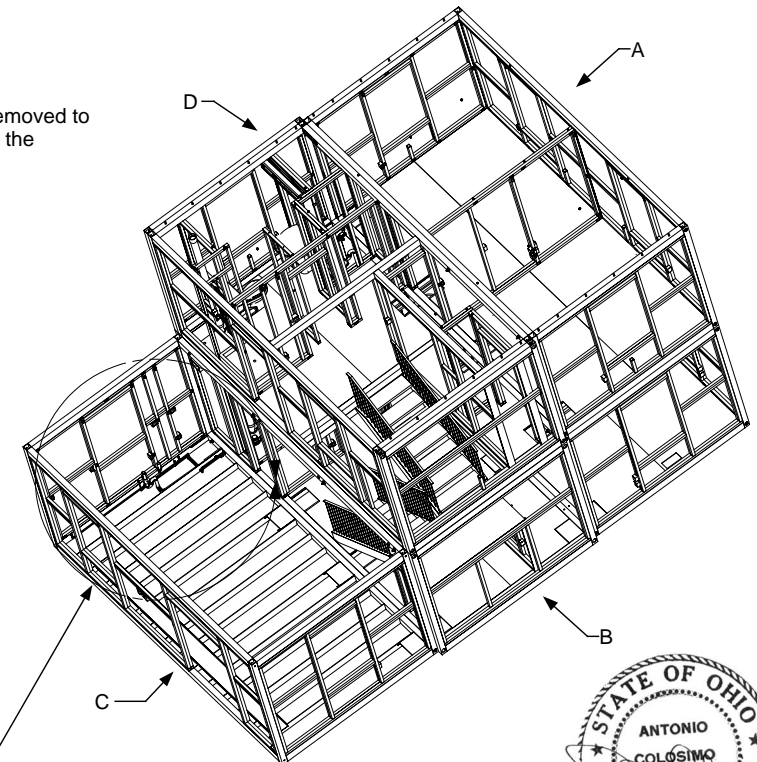
#### DRAWING

Site Assembly  
Cell C  
View B & C  
Installation-Bolts  
Detail 12





This drawing has had parts removed to provide better visualization of the installation process



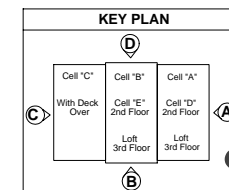
#### FIELD NOTES

Hot & Cold water line  
Reconnection in Cell C using unions  
Pressure test after reconnection

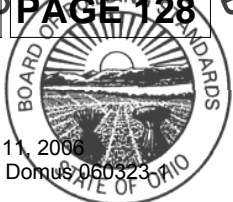


#### DRAWING

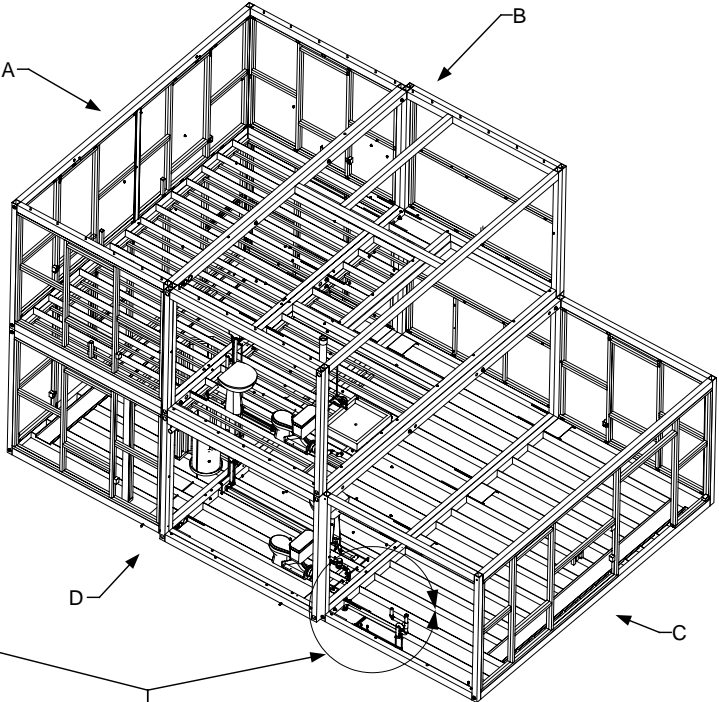
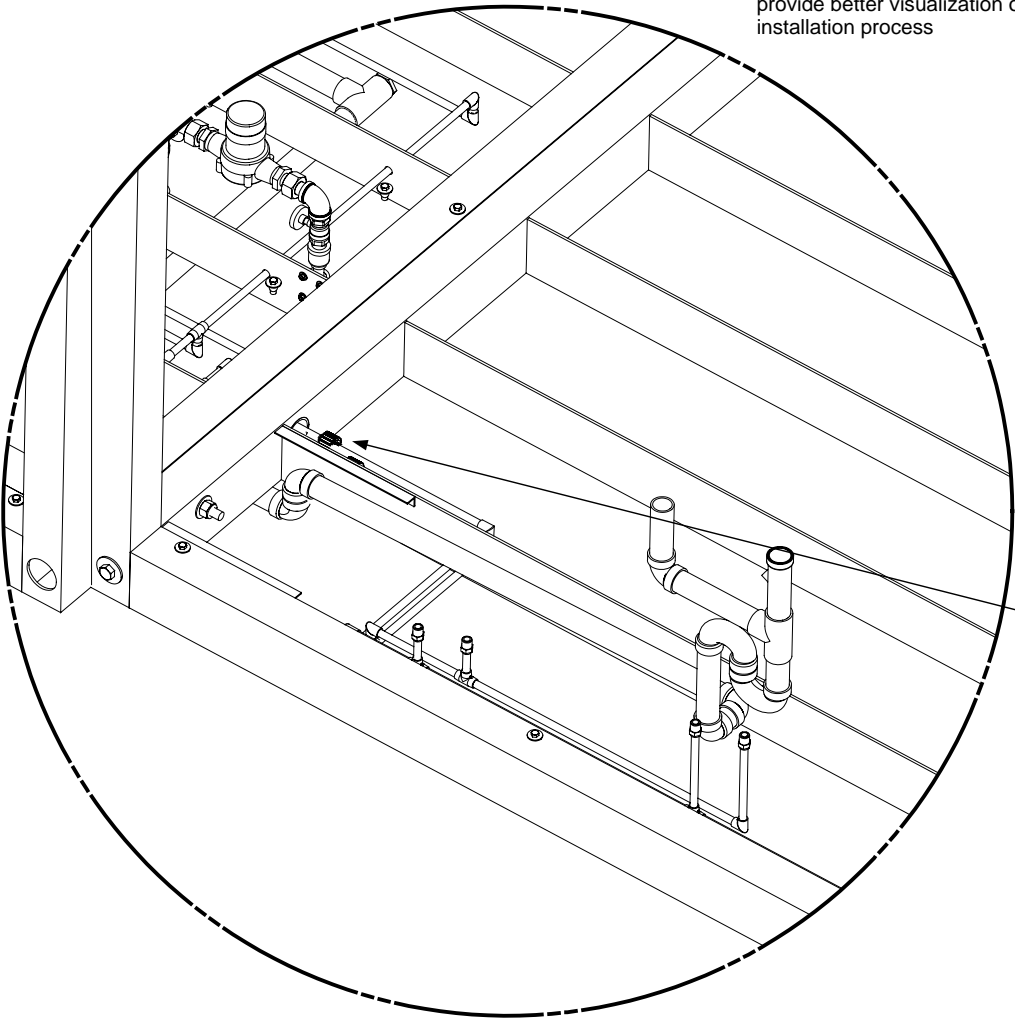
Site Assembly  
Cell C  
View B & C  
Plumbing  
Detail 1



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PAGE 128



This drawing has had parts removed to provide better visualization of the installation process



**FIELD NOTES**

Hot & Cold water line  
Reconnection in Cell C using unions  
Pressure test after reconnection

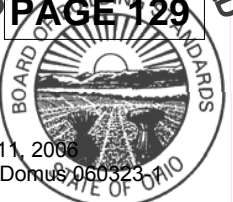
**DRAWING**

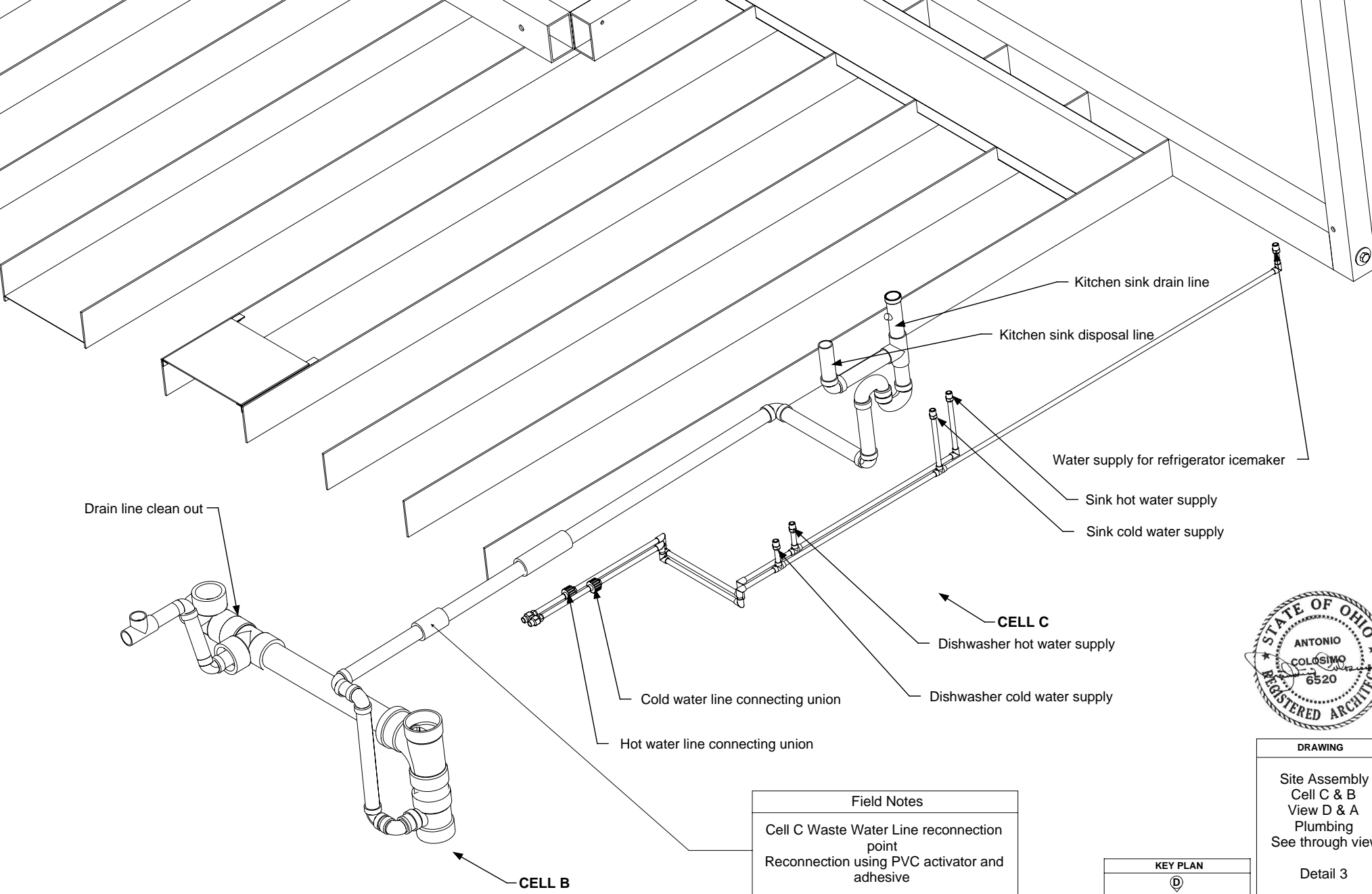
Site Assembly  
Cell C  
View C & D  
Plumbing  
Detail 2



KEY PLAN		
C	Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor
	Loft 3rd Floor	Cell "A" Cell "D" 2nd Floor
		D
		B

APPROVED  
PAGE 129  
Hartford

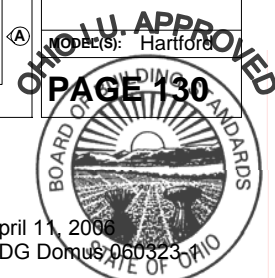
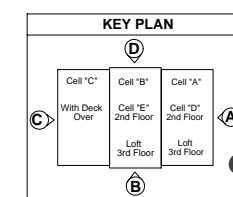




**DRAWING**

Site Assembly  
Cell C & B  
View D & A  
Plumbing  
See through view

Detail 3



CELL B

Field Notes

Two connection points

A →

Dishwasher cold water supply

Dishwasher hot water supply

Disposal

Kitchen sink drain line

Kitchen sink hot water supply

Kitchen sink cold water supply

Water supply for refrigerator icemaker

D ↑

CELL C

3" Waste line

4" Waste line

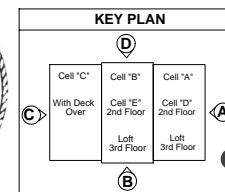
Field Notes

Cell C waste water line  
reconnection point  
Reconnection using PVC  
activator and adhesive

DRAWING

Site Assembly  
Cell C  
View D  
Plumbing  
See through view

Detail 4



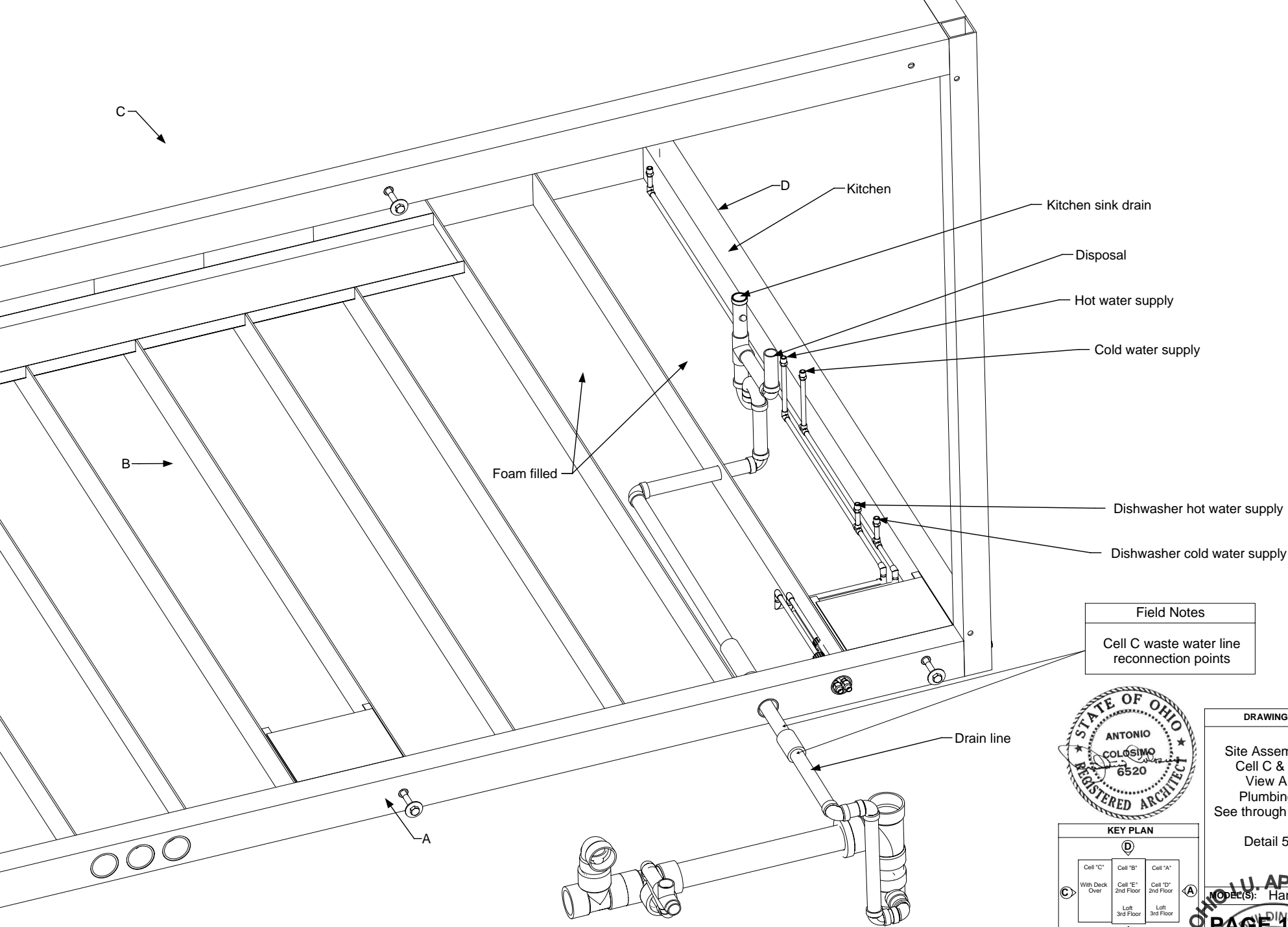
OHIO U. APPROVED  
PROJECT(S): Hartford

PAGE 131



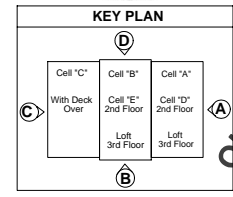
April 11, 2006  
PDG Domus 060323





Field Notes

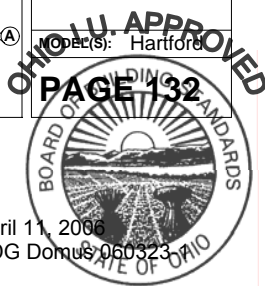
Cell C waste water line  
reconnection points



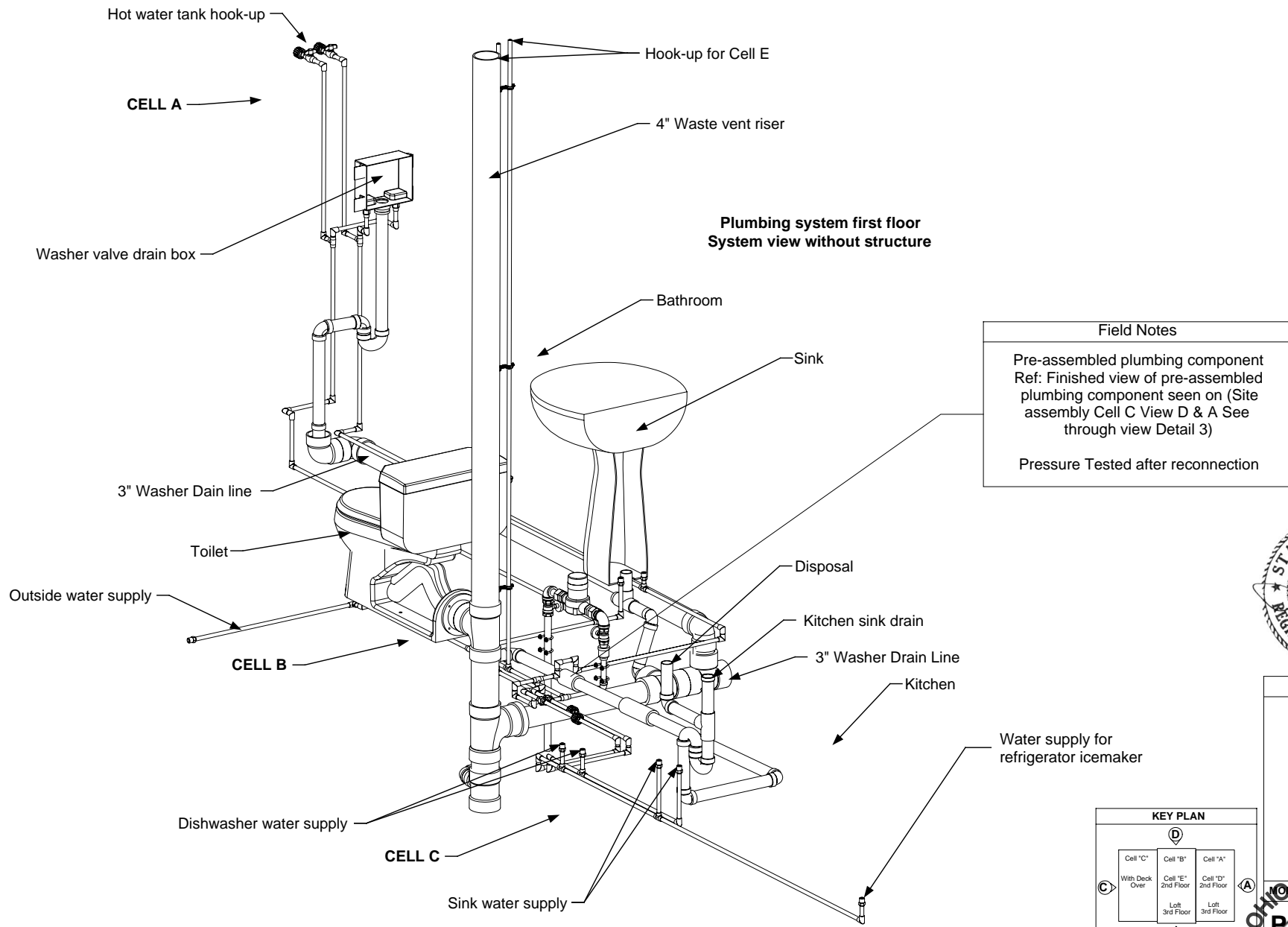
DRAWING

Site Assembly  
Cell C & B  
View A  
Plumbing  
See through detail

Detail 5



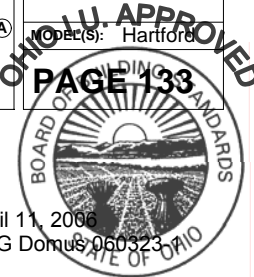




**DRAWING**

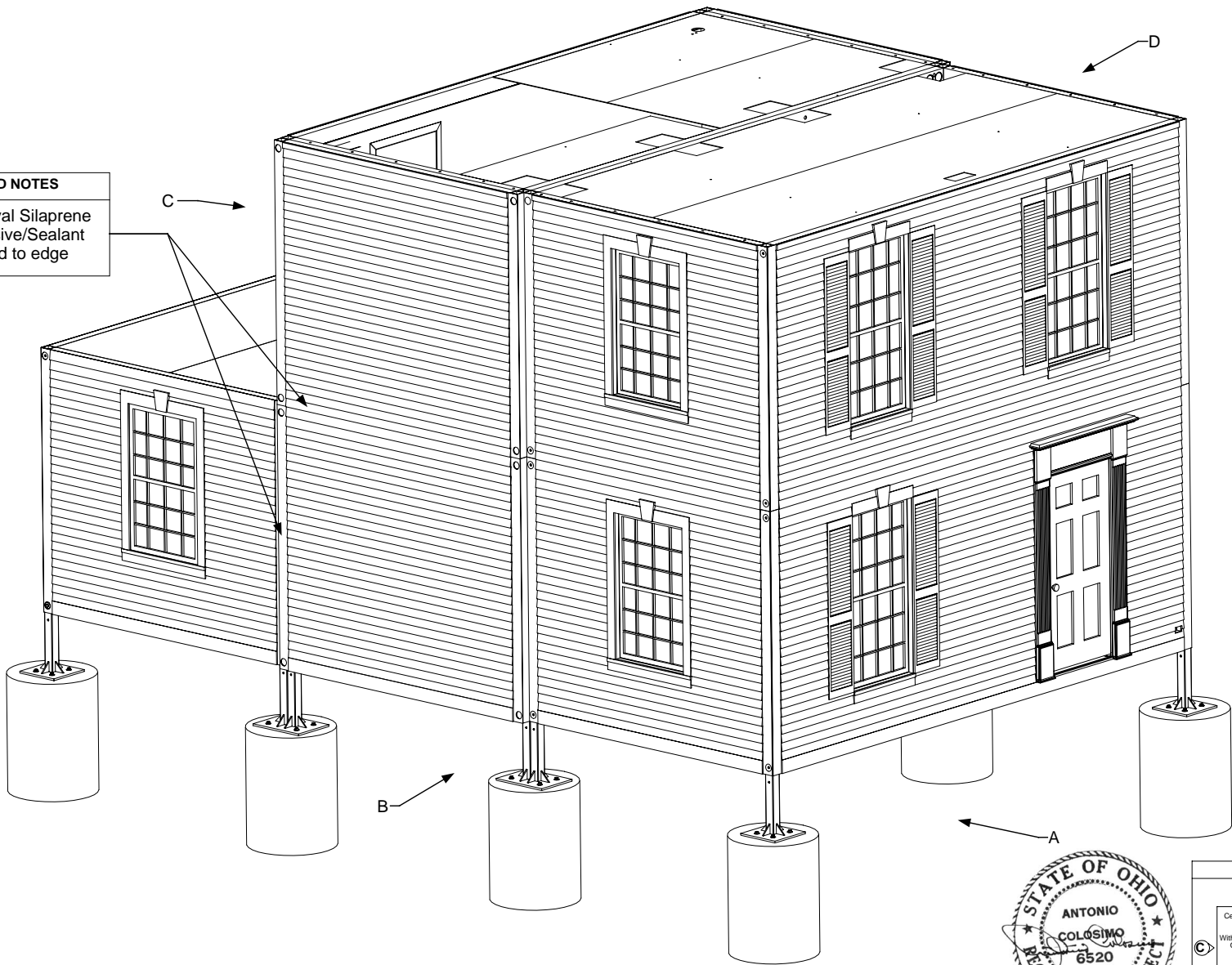
Site Assembly  
Cell C & B  
View A  
Plumbing See  
through view

Detail 6



**FIELD NOTES**

Uniroyal Silaprene  
Adhesive/Sealant  
applied to edge



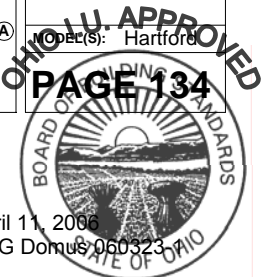
QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to frame
	Bolts and Nuts installed
	Bolt/Nut Count - 12
	Plumbing reconnection
	Plumbing test
	Electrical reconnection
	Electrical test
	Edges between cell and Access hatches are filled level with Weld-On Sealant
	Plaster work: Embed elastomeric plaster and tape
	Adhesive/Sealant applied to exterior edges between Cell



KEY PLAN		
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
	Loft 3rd Floor	Loft 3rd Floor

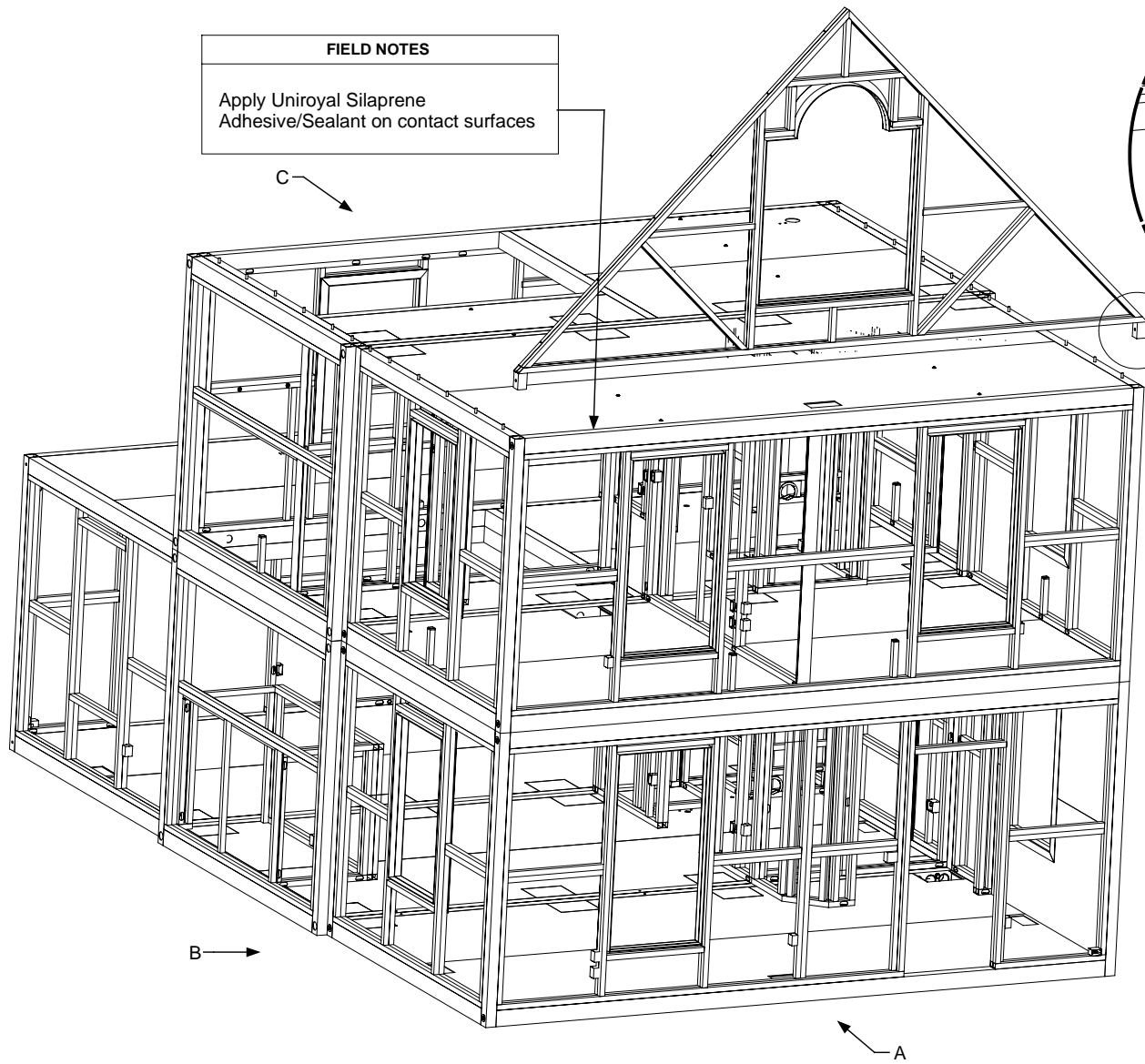
**DRAWING**

Site Assembly  
Cell C  
View A & B  
Installation-Cell to  
foundation  
Cell mounted  
Exterior view  
Finished checklist



**FIELD NOTES**

Apply Uniroyal Silaprene  
Adhesive/Sealant on contact surfaces



**FIELD NOTES**

Install End Gable Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts, torqued to minimum of 20 ft. lbs.

QA Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to frame
	Bolts and Nuts installed
	Bolt/Nut Count - 322
	Plumbing reconnection
	Plumbing test
	Electrical reconnection
	Electrical test
	Edges between cell and Access hatches are filled level with Weld-On Sealant
	Plaster work: Embed elastomeric plaster and tape
	Adhesive/Sealant applied to exterior edges between Cell

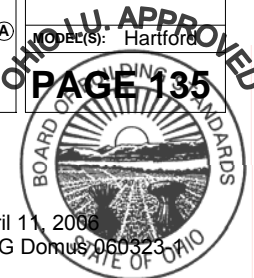


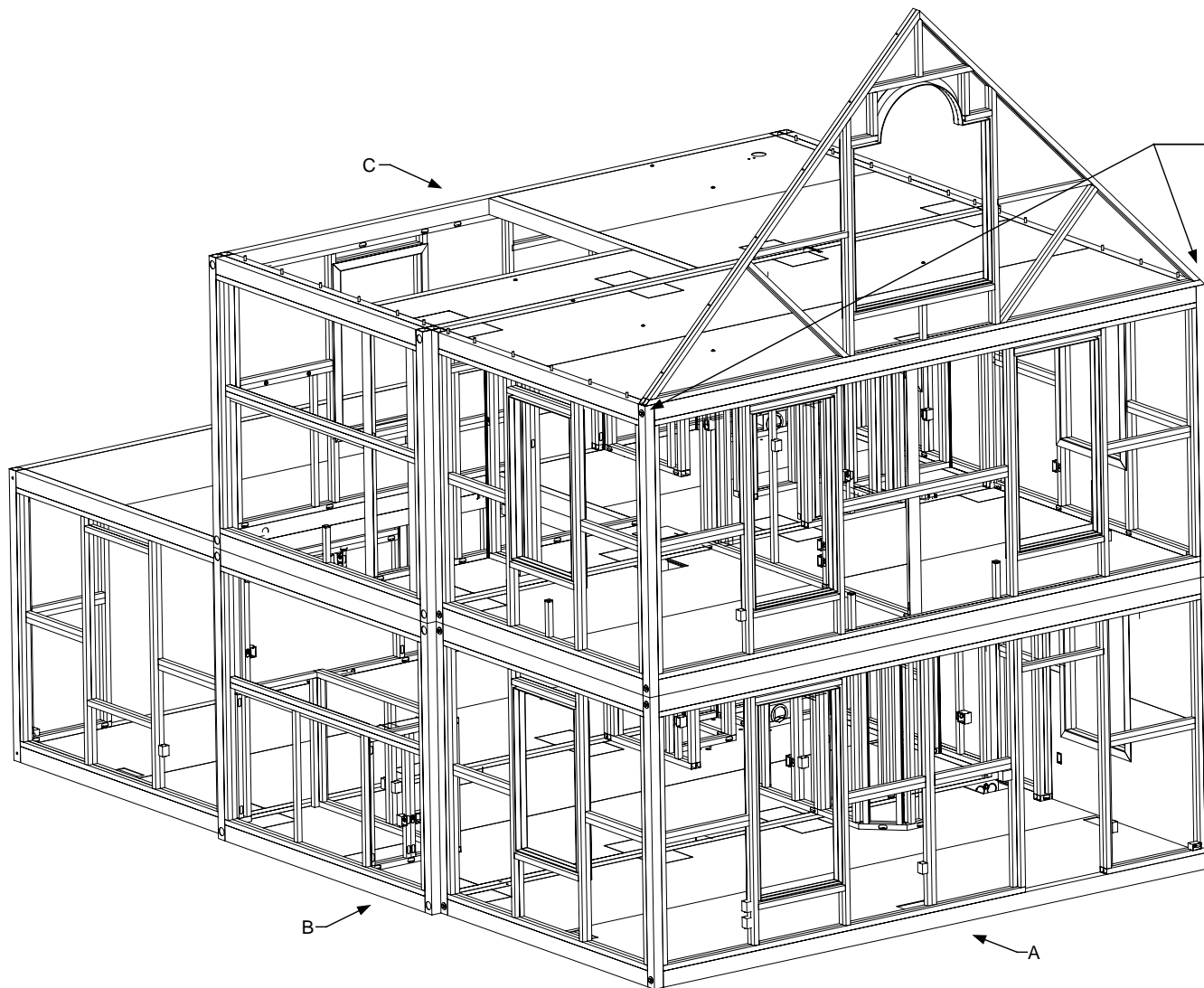
**KEY PLAN**

C	Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor	A
		Loft 3rd Floor	Loft 3rd Floor	
		B		

**DRAWING**

Site Assembly  
End Gable  
View A & B  
Installation-End  
gable (G1)  
Detail 1





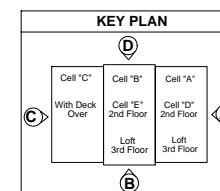
# FIELD NOTES

Corner Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts, torqued to minimum of 20 ft. lbs.

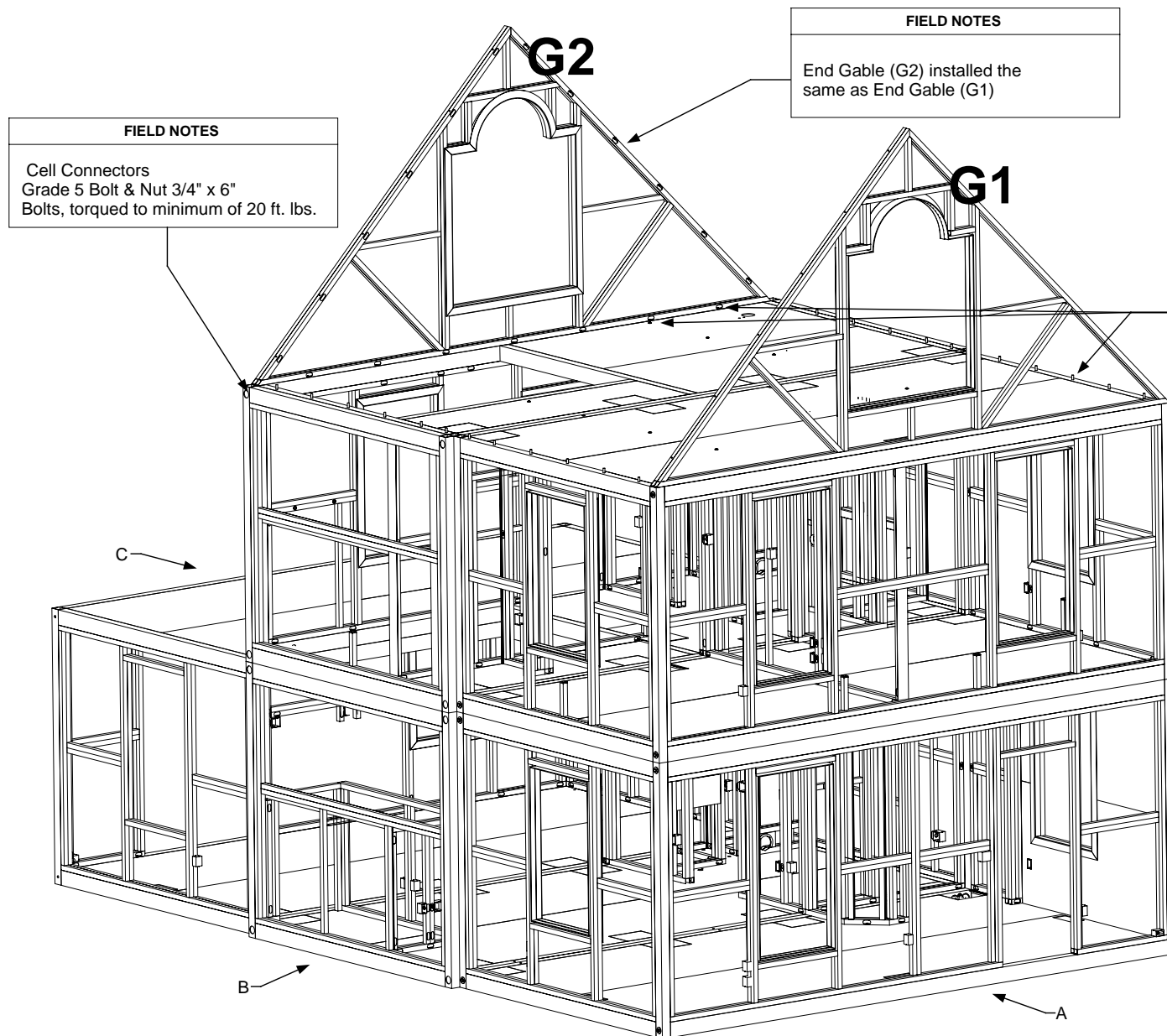


## DRAWING

Site Assembly  
End Gable  
View A & B  
Installation-End  
gable (G1)  
Gable mounted







**FIELD NOTES**

Cell Connectors  
Grade 5 Bolt & Nut 3/4" x 6"  
Bolts, torqued to minimum of 20 ft. lbs.

**FIELD NOTES**

End Gable (G2) installed the same as End Gable (G1)

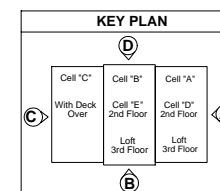
**FIELD NOTES**

End Gable Fastener Points  
3/8" x 1" Bolt & Rive-Nut with washer  
Tighten snug, 14 Bolts



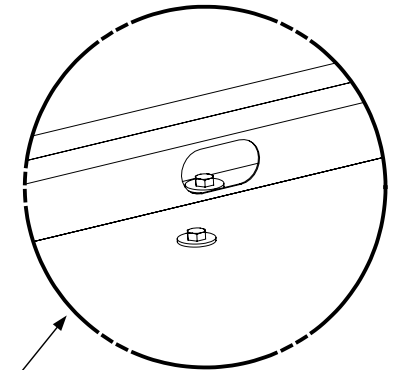
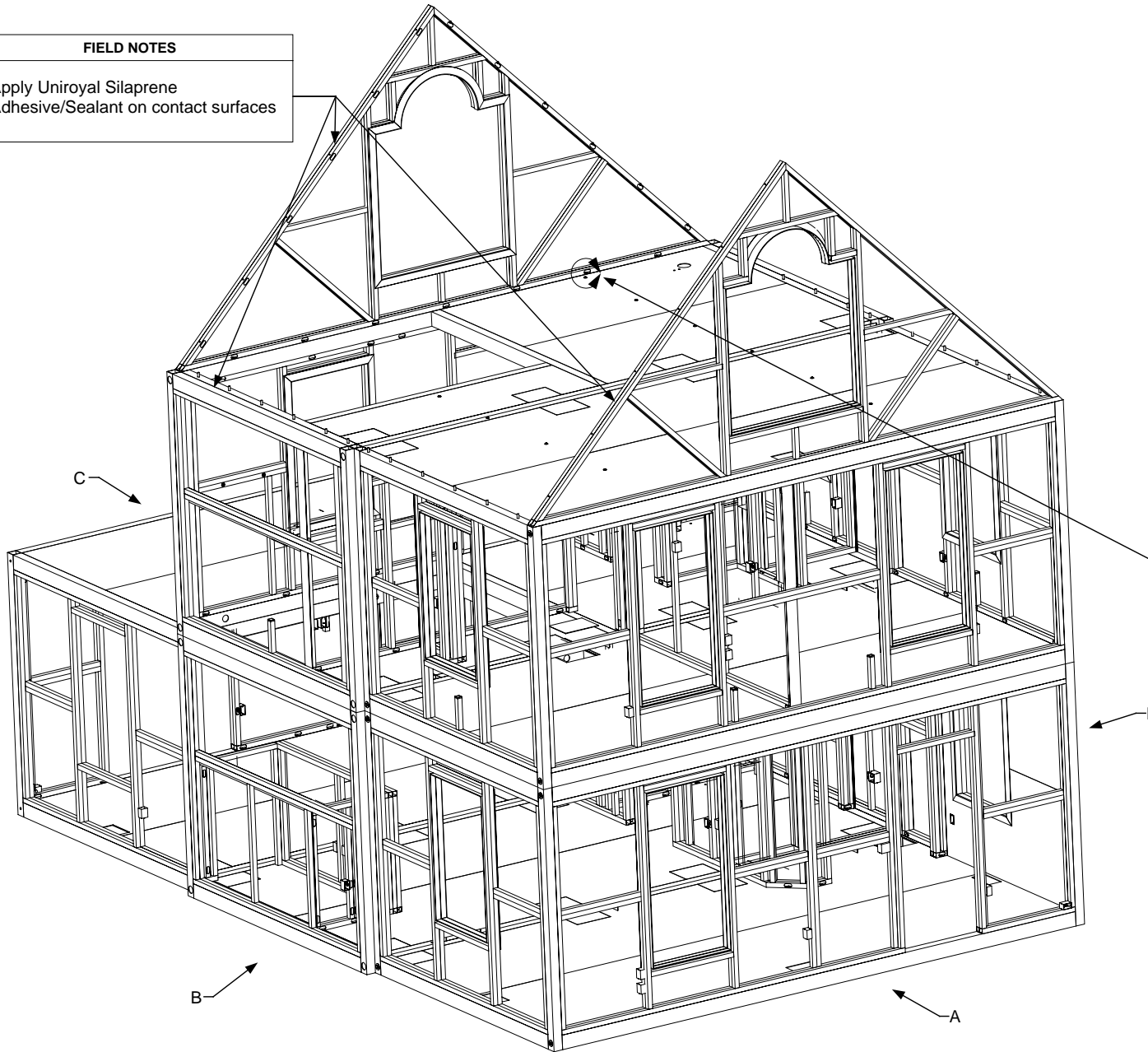
**DRAWING**

Site Assembly  
End Gable G2  
View A & B  
Installation-End  
gable (G2)  
Gable G2 mounted



# FIELD NOTES

Apply Uniroyal Silaprene  
Adhesive/Sealant on contact surfaces

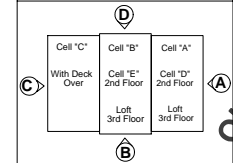


# FIELD NOTES

End Gable Fastener Points  
3/8" x 1" Bolt & Rive-Nut with washer  
Tighten snug, 14 Bolts

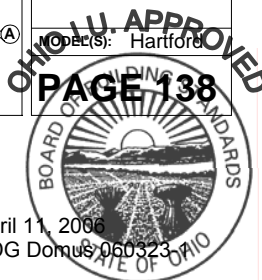


# KEY PLAN



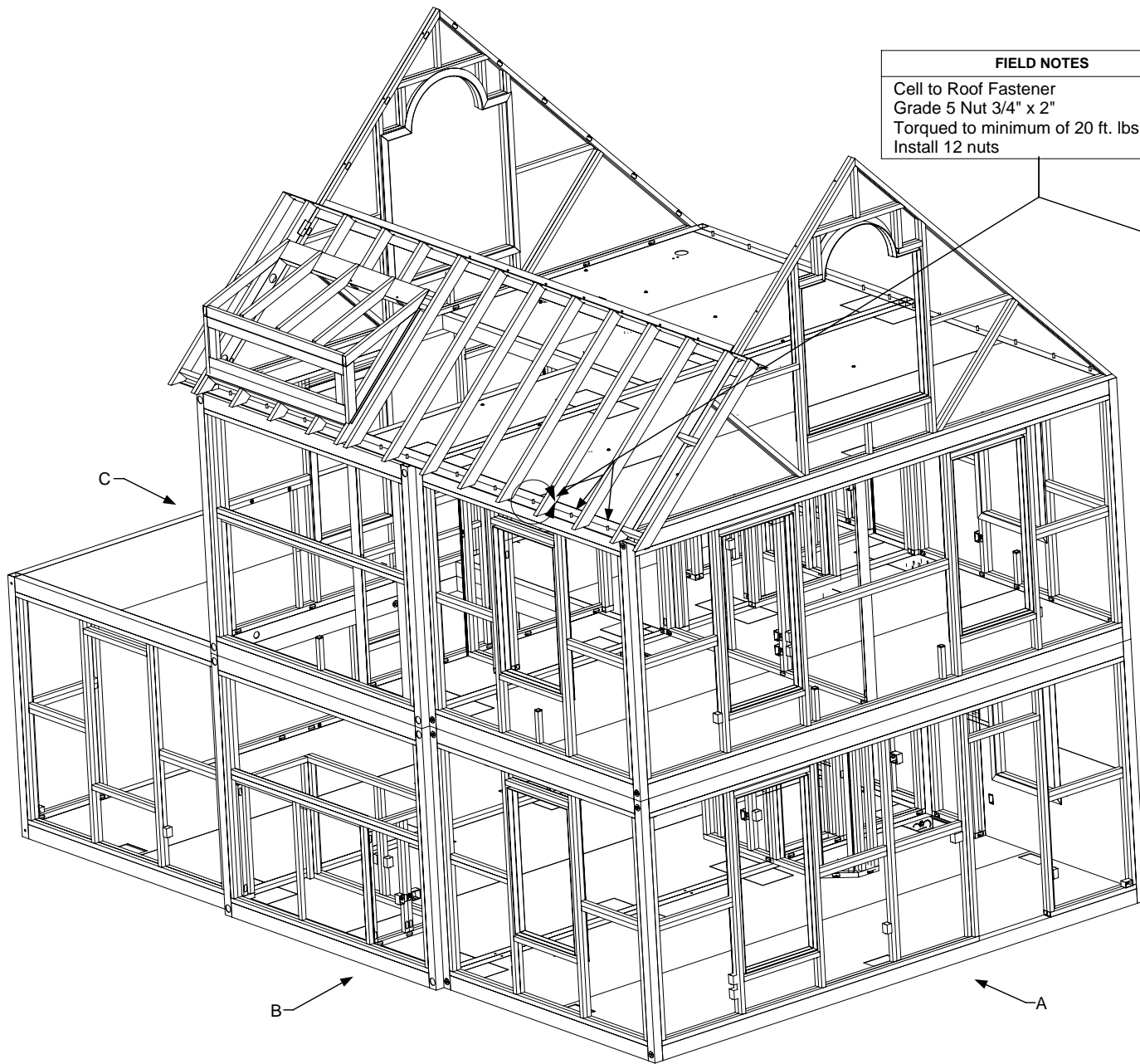
# DRAWING

Site Assembly  
End Gable  
View A & B  
Installation-Bolts  
Detail 1



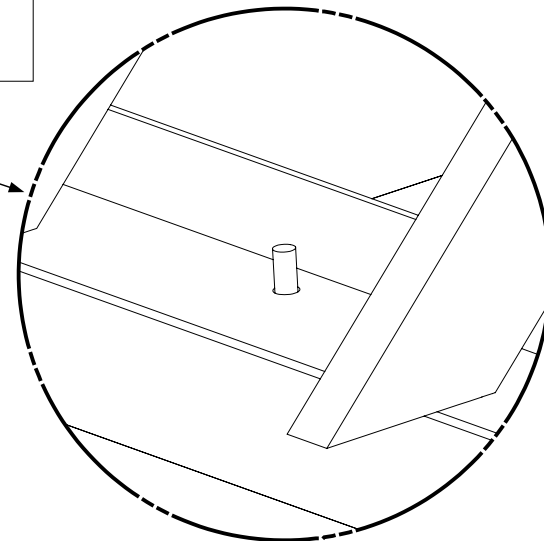
April 11, 2006  
PDG Domus 060323





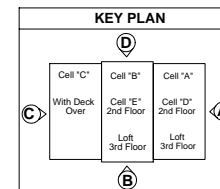
**FIELD NOTES**

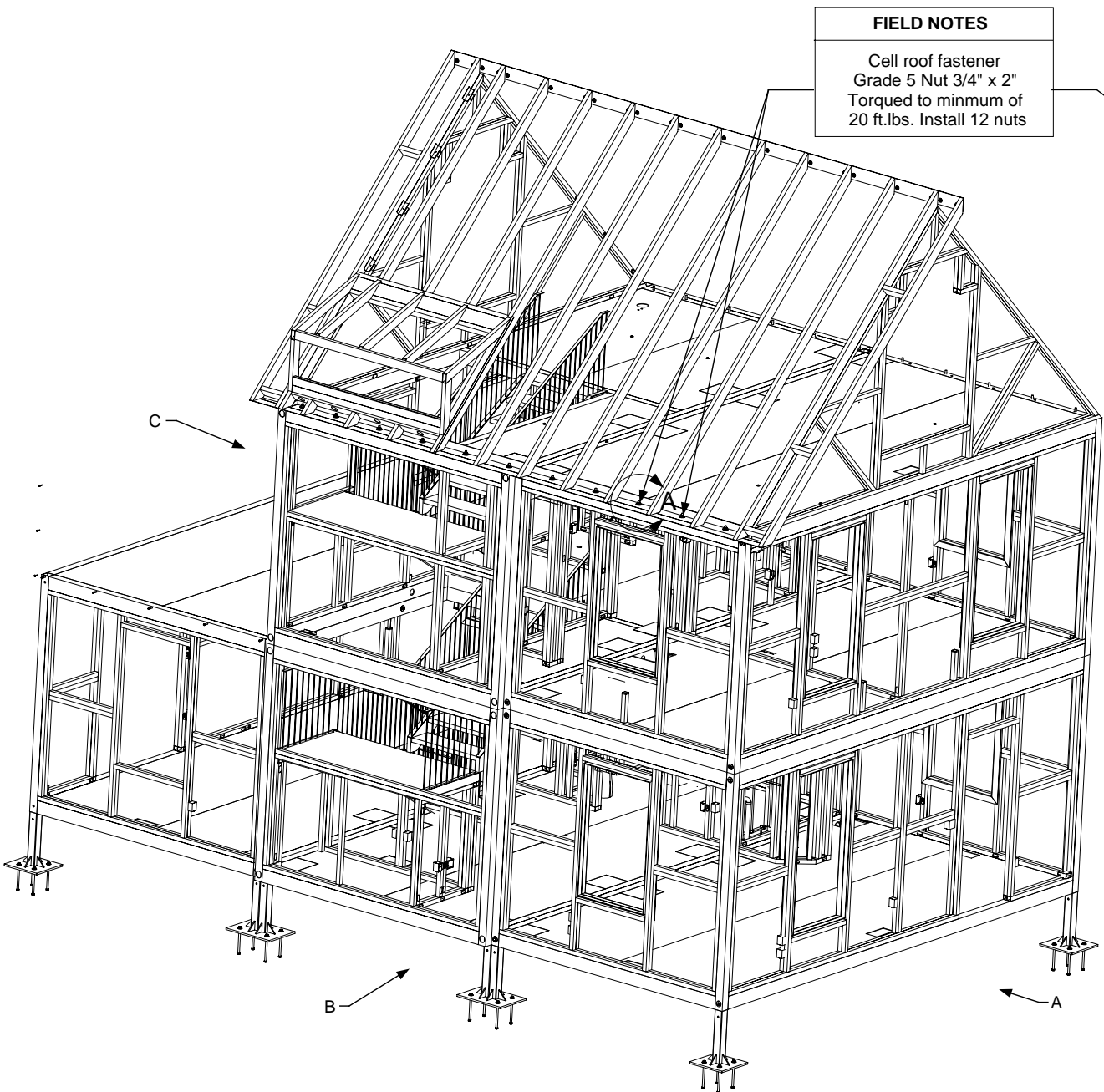
Cell to Roof Fastener  
 Grade 5 Nut 3/4" x 2"  
 Torqued to minimum of 20 ft. lbs.  
 Install 12 nuts



**DRAWING**

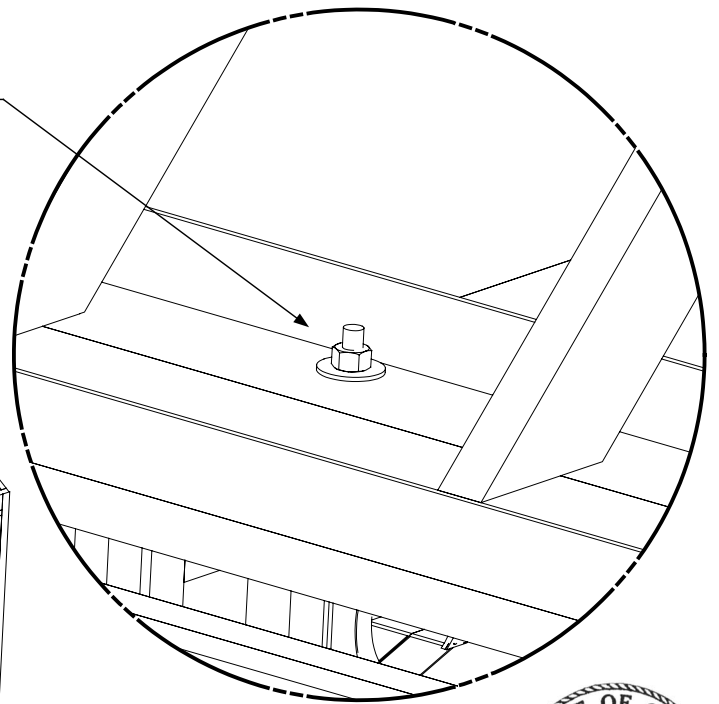
Site Assembly  
 Roof  
 View A & B  
 Installation-Lower  
 section (L1)  
 Detail 1





**FIELD NOTES**

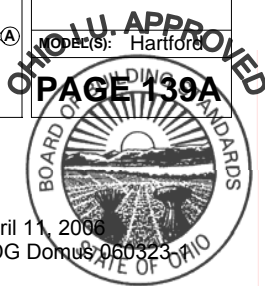
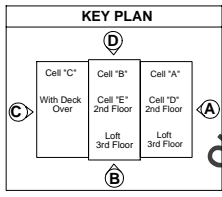
Cell roof fastener  
 Grade 5 Nut 3/4" x 2"  
 Torqued to minimum of  
 20 ft.lbs. Install 12 nuts

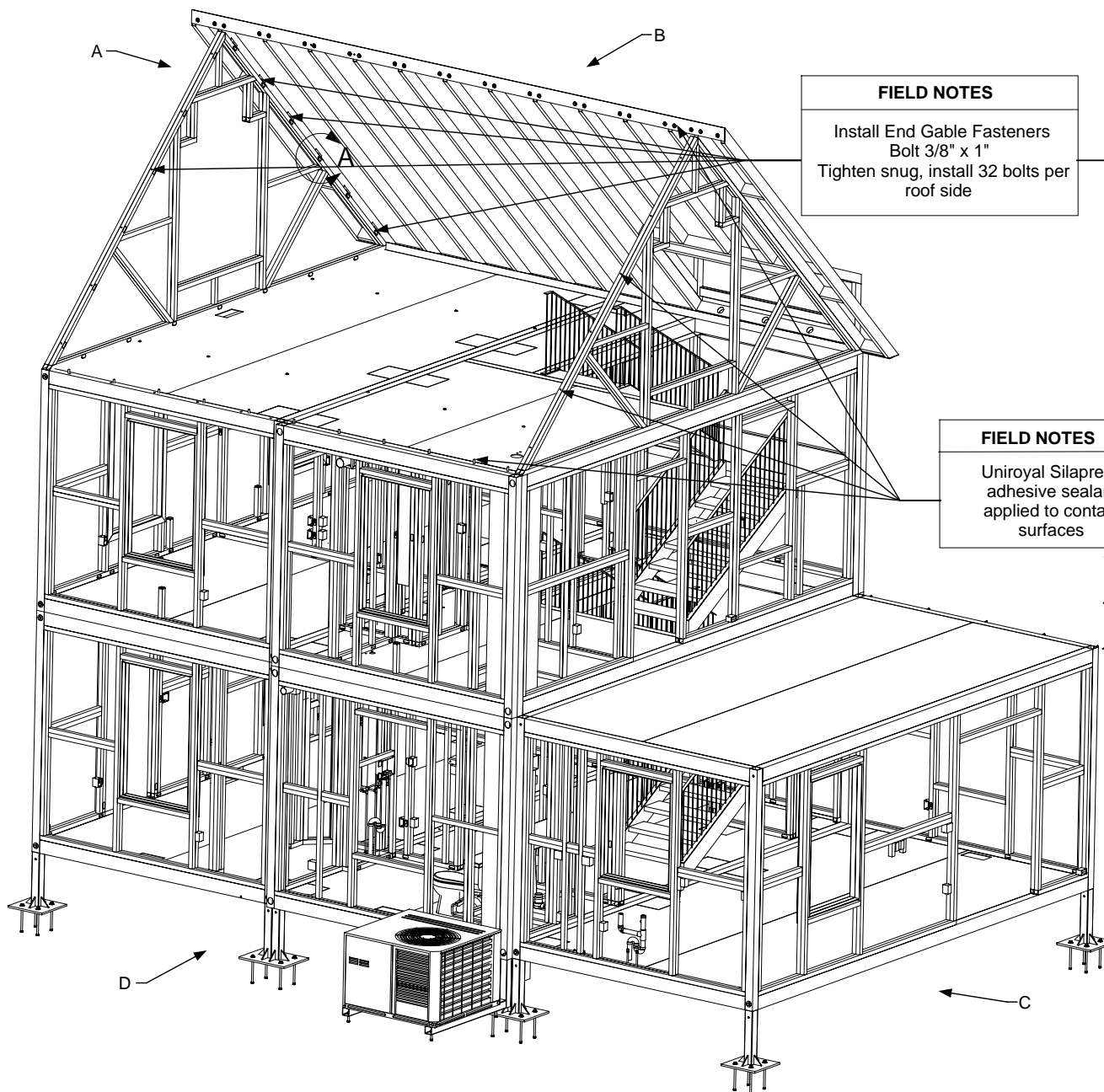


**DRAWING**

Site Assembly  
 Roof  
 View A & B  
 Installation B side  
 Type 1  
 Detail 1

DESIGNED BY: Hartford  
 DATE: 11/11/06



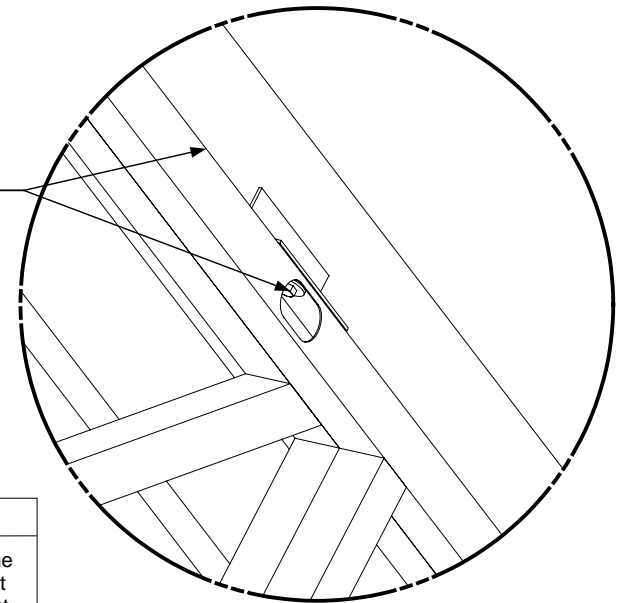


#### FIELD NOTES

Install End Gable Fasteners  
Bolt 3/8" x 1"  
Tighten snug, install 32 bolts per  
roof side

#### FIELD NOTES

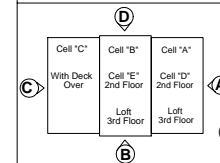
Uniroyal Silaprene  
adhesive sealant  
applied to contact  
surfaces



#### FIELD NOTES

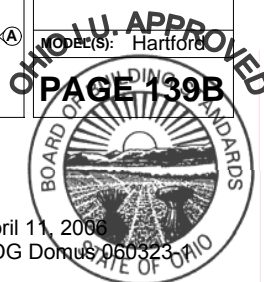
Both roof Types (1 and 2) use the same  
fasteners. The Type 1 roof has no knee  
wall and the roof sections are one part.  
Location of all fasteners are in the same  
place on a Type 1 and Type 2 roof.

#### KEY PLAN

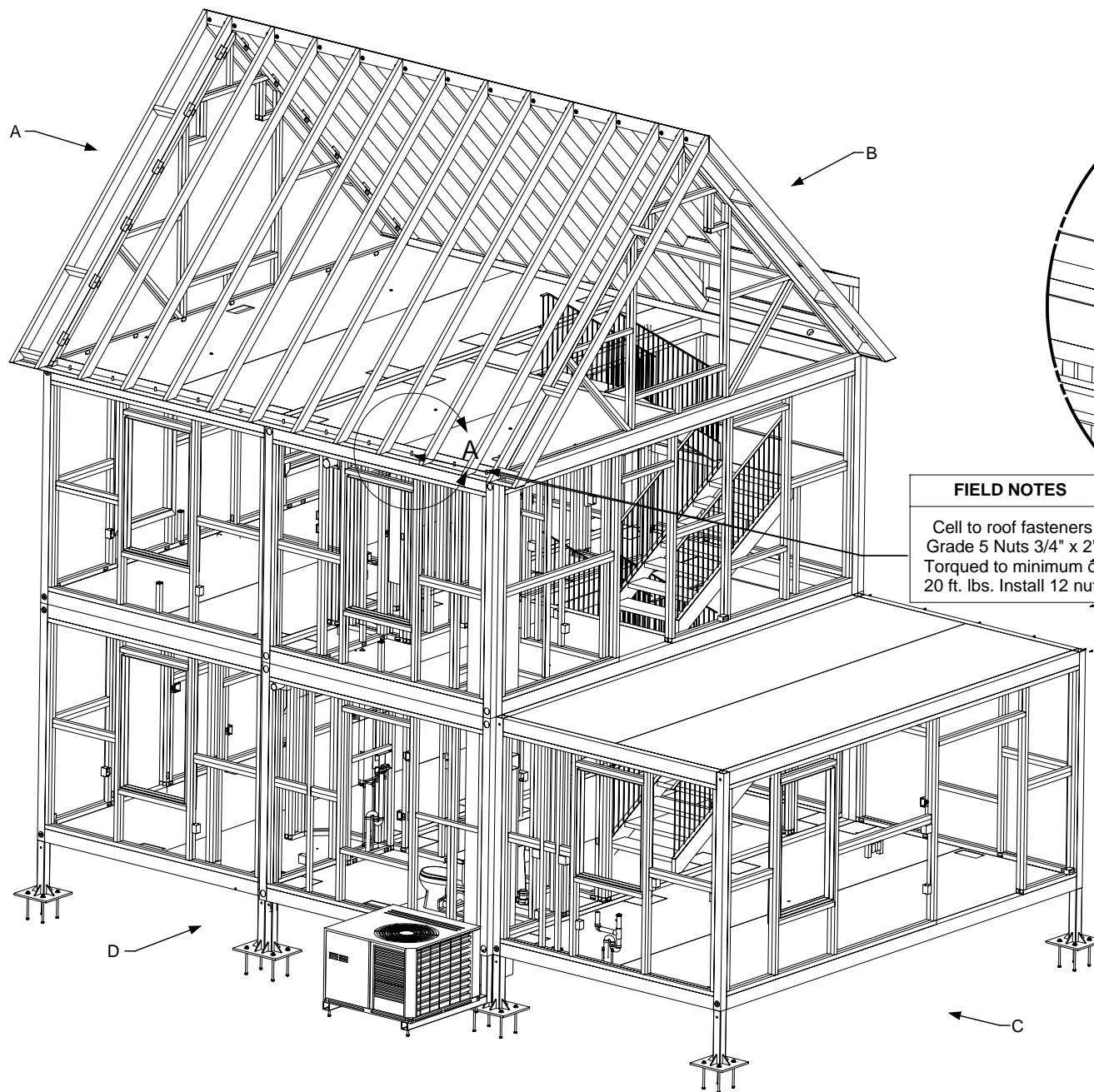


#### DRAWING

Site Assembly  
Roof  
View C & D  
Installation-B side  
Type 1  
Detail 2

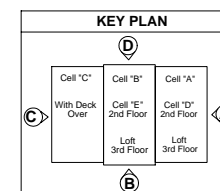


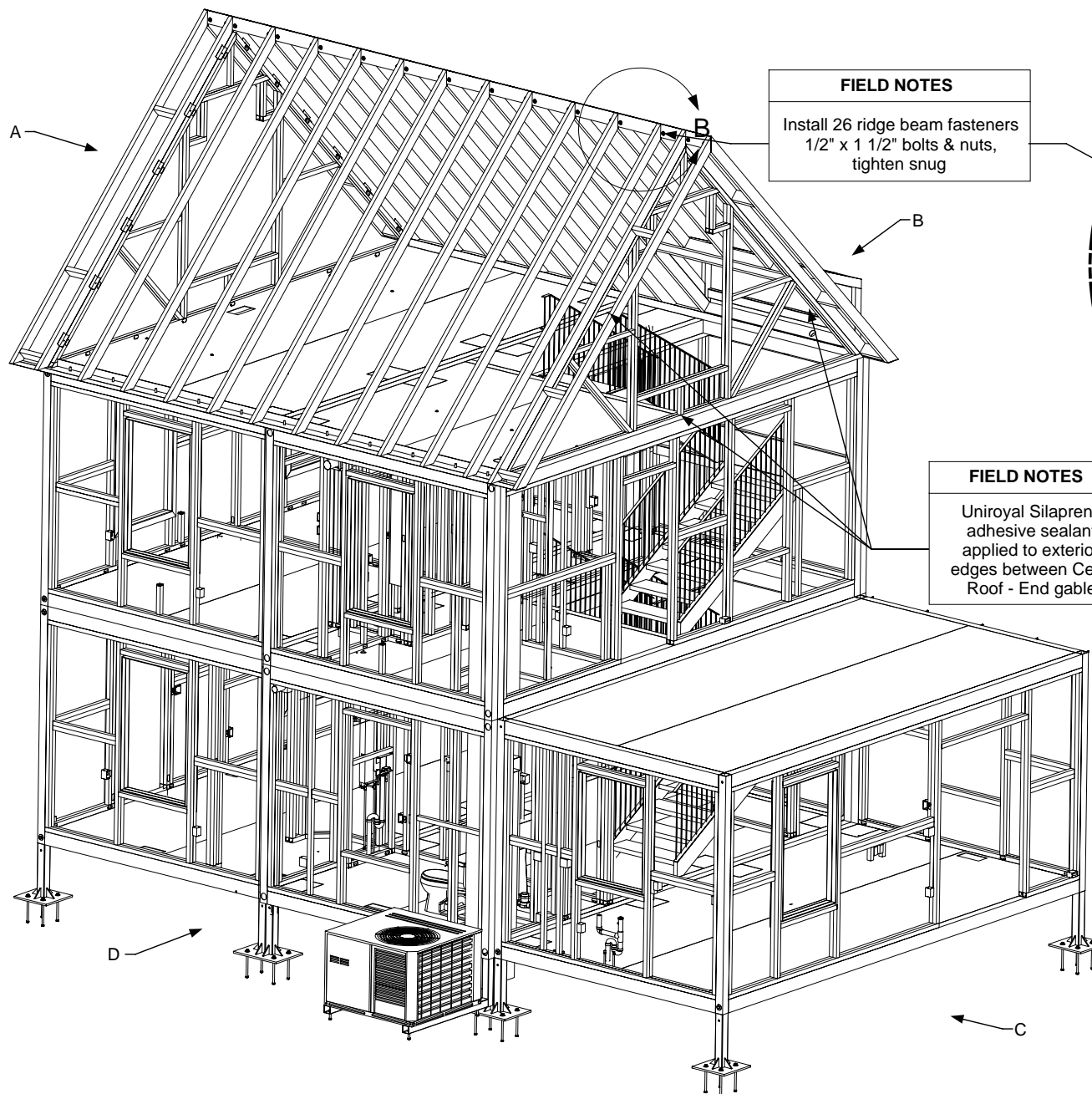




**DRAWING**

Site Assembly  
Roof  
View C & D  
Installation D Side  
Detail 3





#### FIELD NOTES

Install 26 ridge beam fasteners  
1/2" x 1 1/2" bolts & nuts,  
tighten snug

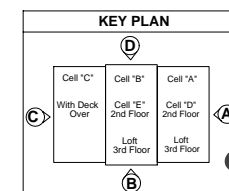
#### FIELD NOTES

Uniroyal Silaprene  
adhesive sealant  
applied to exterior  
edges between Cell -  
Roof - End gable



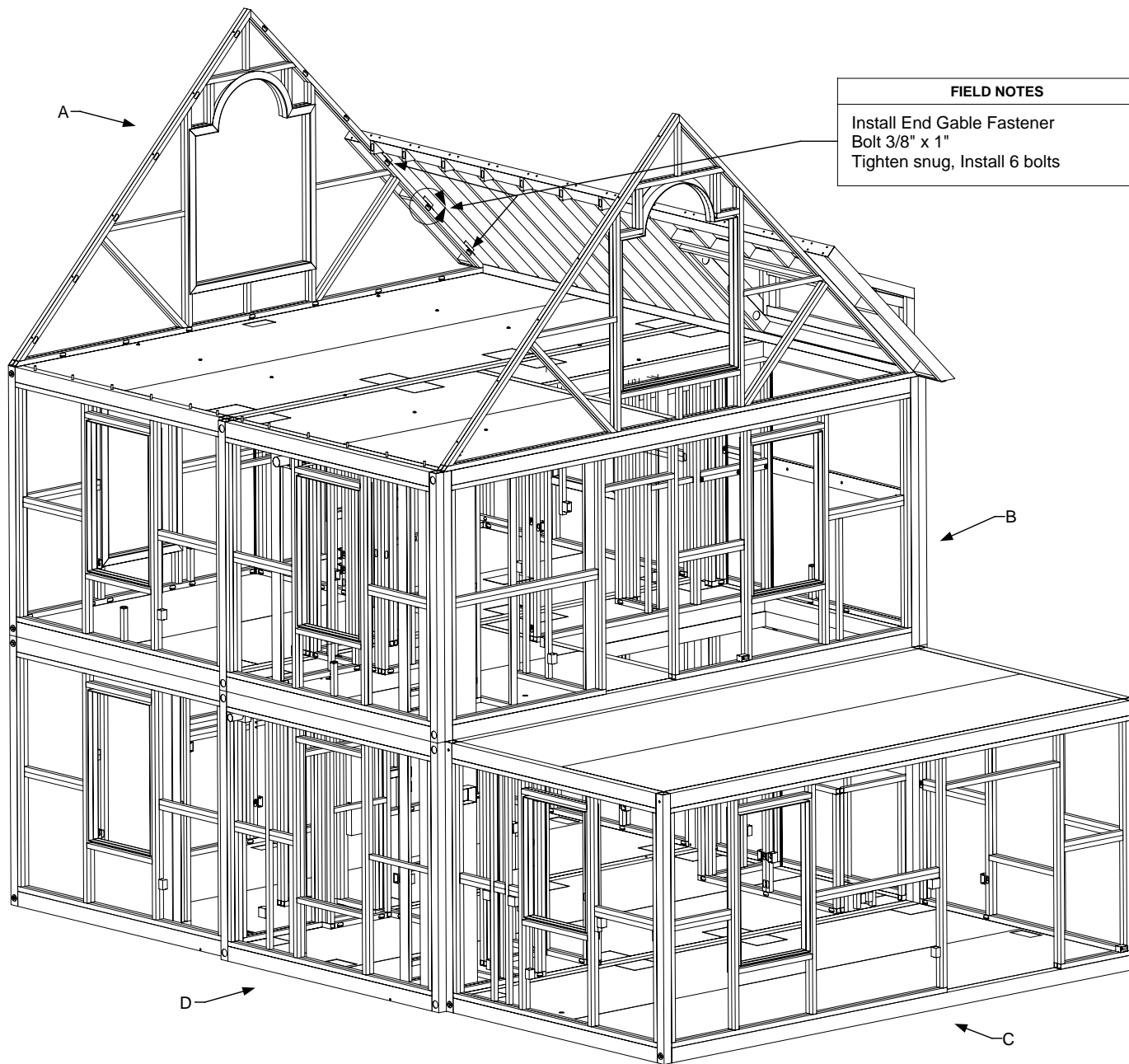
#### DRAWING

Site Assembly  
Roof  
View C & D  
Installation-Ridge  
beam  
Detail 4



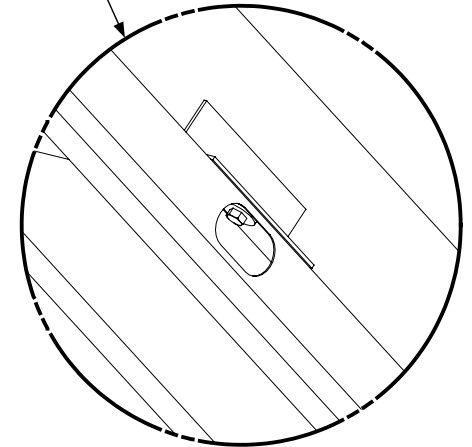
OHIO U. APPROVED  
PAGE 139D





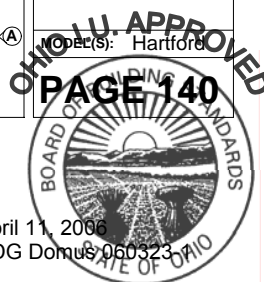
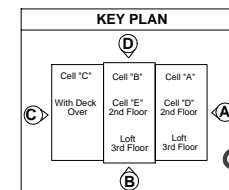
**FIELD NOTES**

Install End Gable Fastener  
Bolt 3/8" x 1"  
Tighten snug, Install 6 bolts

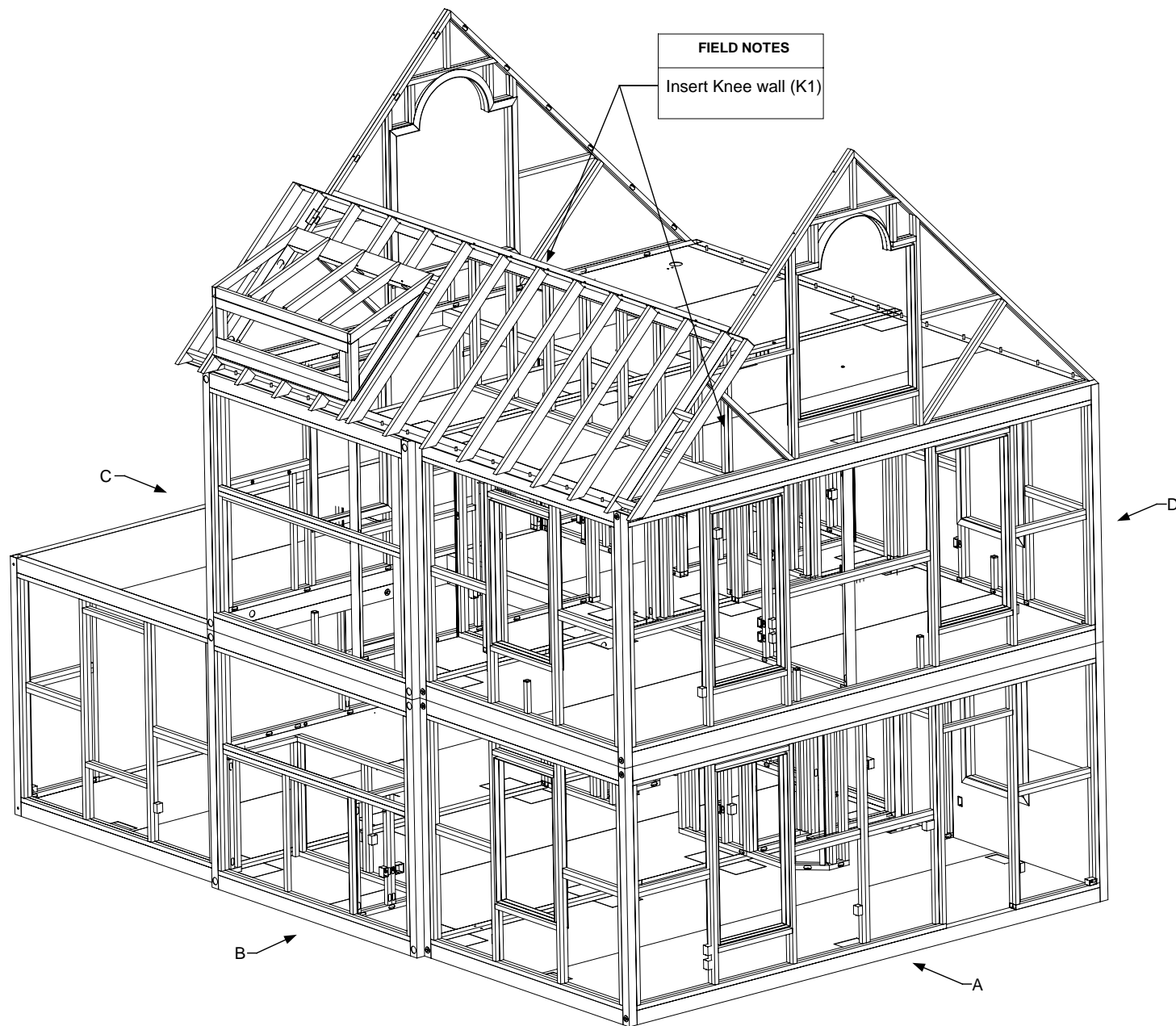


**DRAWING**

Site Assembly  
Roof  
View C & D  
Installation-Bolts  
Lower section (L1)  
Detail 2



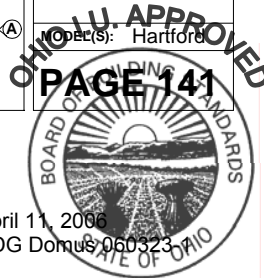
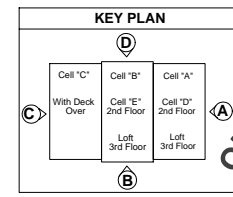




**FIELD NOTES**  
Insert Knee wall (K1)

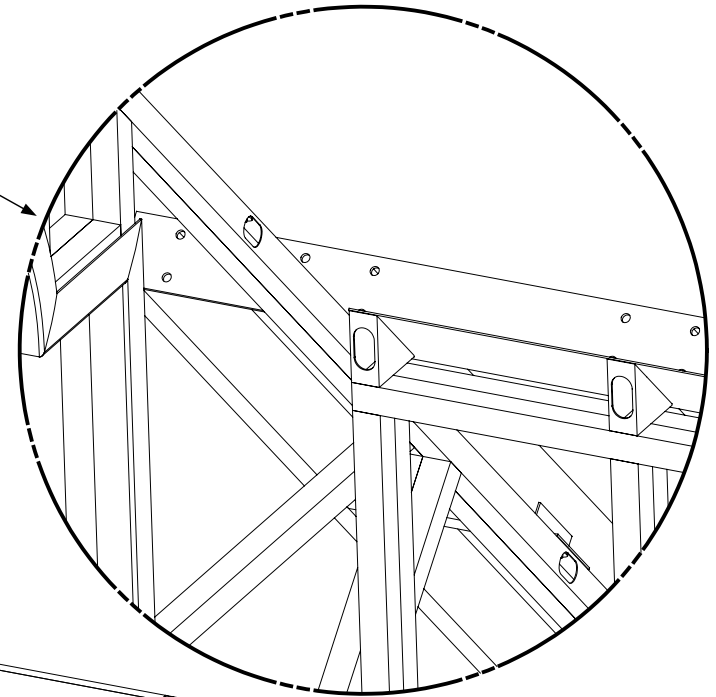
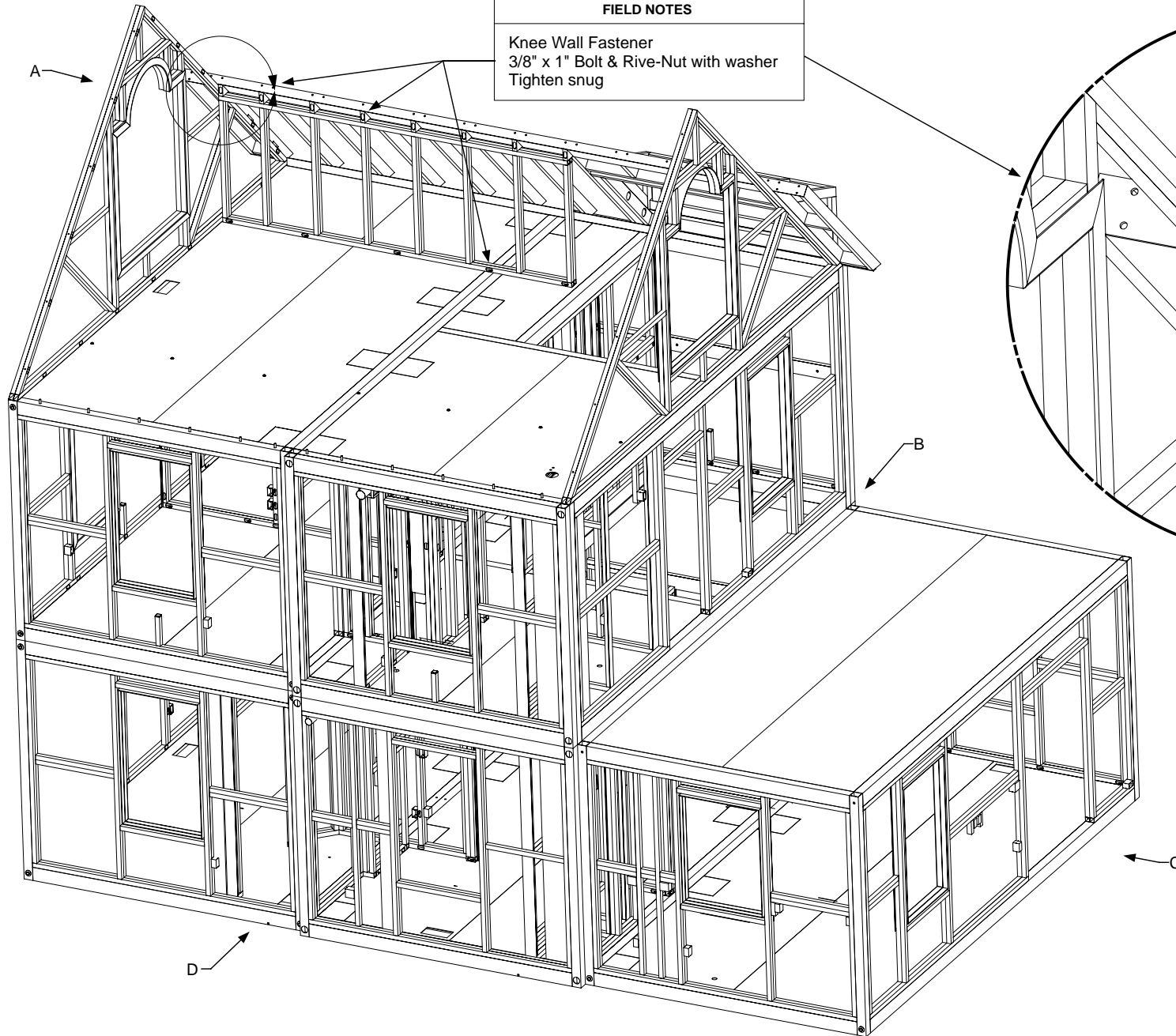


**DRAWING**  
Site Assembly  
Roof  
View A & B  
Installation-Knee  
wall (K1)



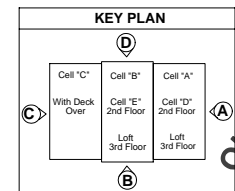
# FIELD NOTES

Knee Wall Fastener  
3/8" x 1" Bolt & Rive-Nut with washer  
Tighten snug



## DRAWING

Site Assembly  
Roof  
View C & D  
Installation-Bolts  
Knee wall (K1)  
Detail 3



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DESIGN  
PAGE 142



# FIELD NOTES

Uniroyal Silaprene  
Adhesive/Sealant  
applied to frame

# FIELD NOTES

Knee Wall Fastener  
3/8" x 1" Bolt & Rive-Nut with washer  
Tighten snug

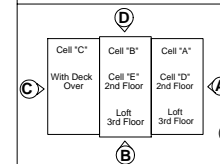
# FIELD NOTES

Uniroyal Silaprene Adhesive/Sealant  
applied to exterior edges between  
Roof & End Gable

# DRAWING

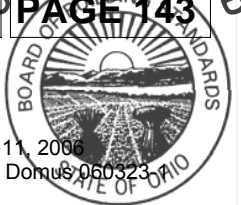
Site Assembly  
Roof  
View C & D  
Installation-Bolts  
Knee wall (K1)  
Detail 4

# KEY PLAN



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**FIELD NOTES**

Uniroyal Silaprene  
Adhesive/Sealant applied to  
exterior edges between  
Cell/Roof/End Gable

**FIELD NOTES**

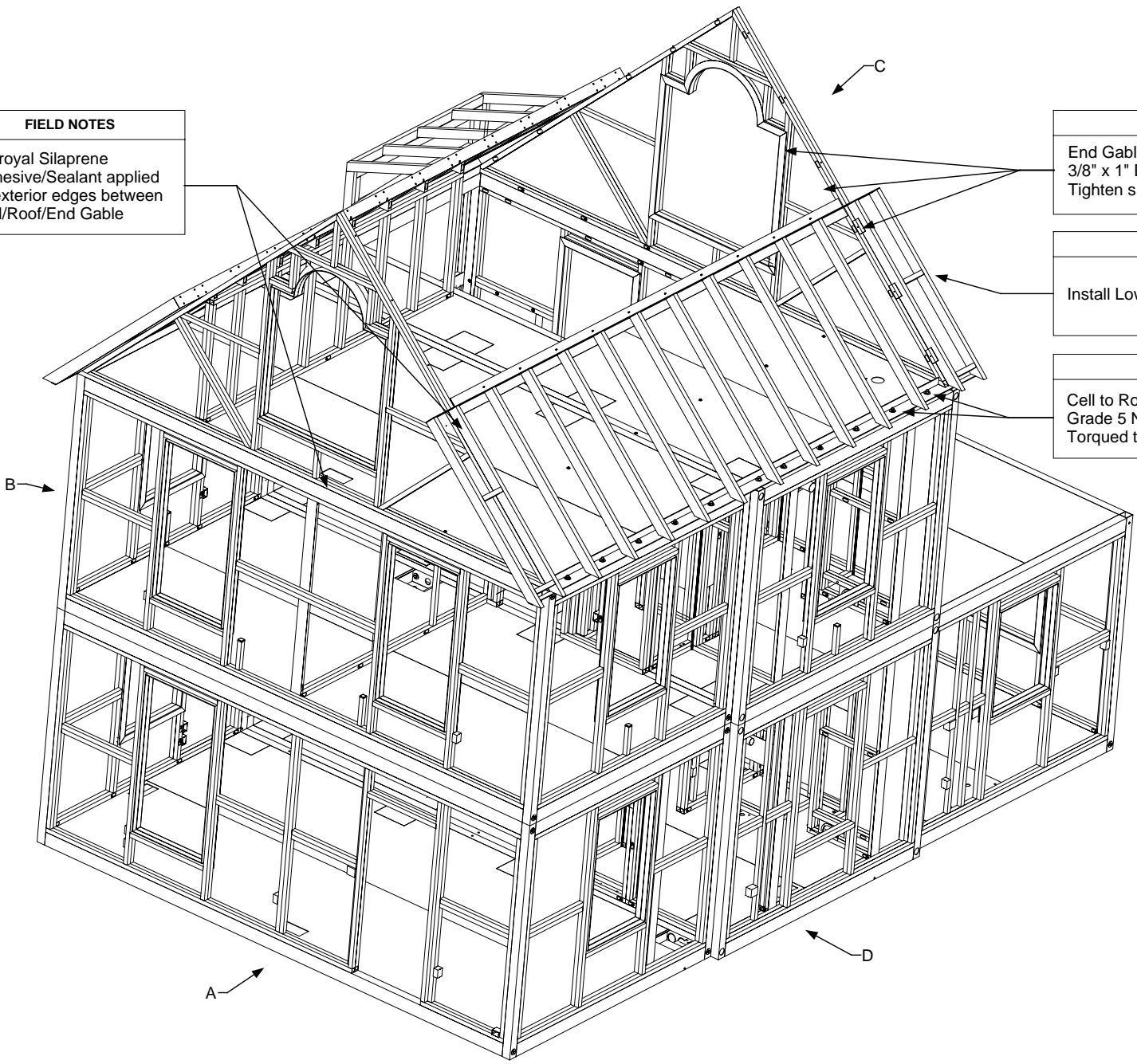
End Gable Fastener  
3/8" x 1" Bolt  
Tighten snug, install 6 bolts

**FIELD NOTES**

Install Lower Roof section (L2)

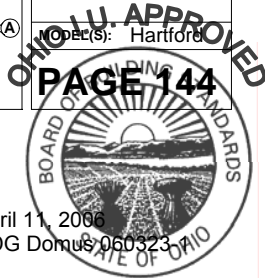
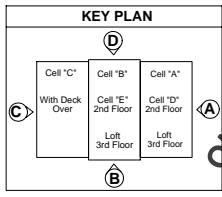
**FIELD NOTES**

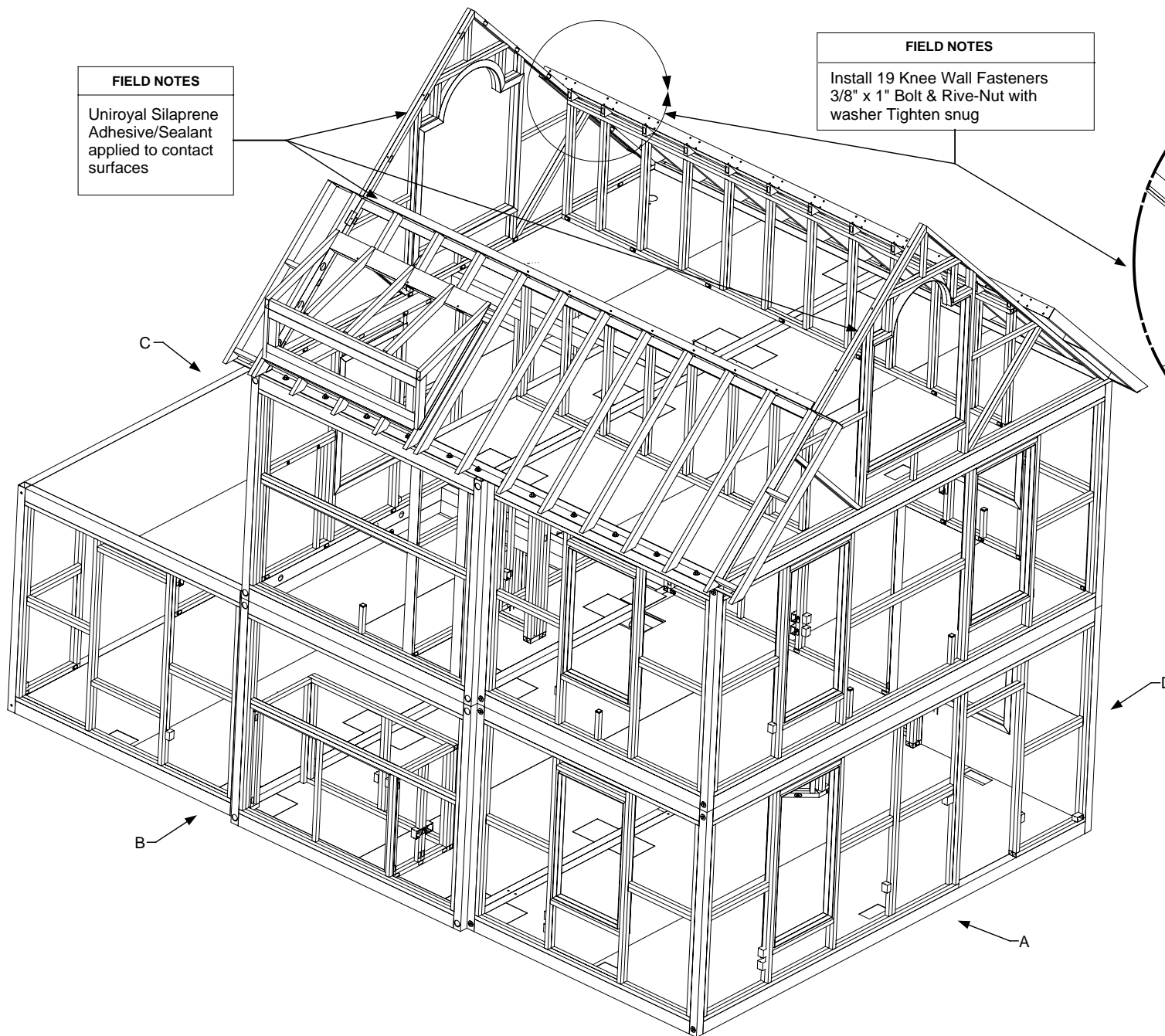
Cell to Roof Fastener  
Grade 5 Nut 3/4" x 2"  
Torqued to minimum of 20 ft. lbs.



**DRAWING**

Site Assembly  
Roof  
View A & D  
Installation-Lower  
section (L2)



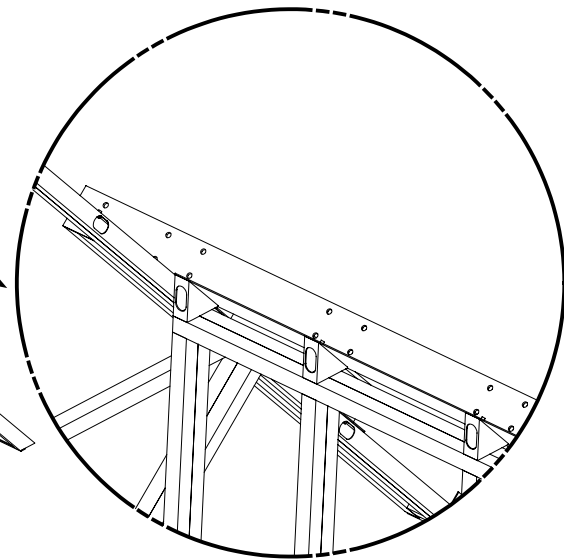


**FIELD NOTES**

Uniroyal Silaprene  
Adhesive/Sealant  
applied to contact  
surfaces

**FIELD NOTES**

Install 19 Knee Wall Fasteners  
3/8" x 1" Bolt & Rive-Nut with  
washer Tighten snug



**DRAWING**

Site Assembly  
Roof  
View A & B  
Installation-Bolts  
Knee Wall (K2)  
Detail 5

**KEY PLAN**

	D	
C	Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor
		Cell "A" Cell "D" 2nd Floor
		Loft 3rd Floor
		Loft 3rd Floor
	B	A

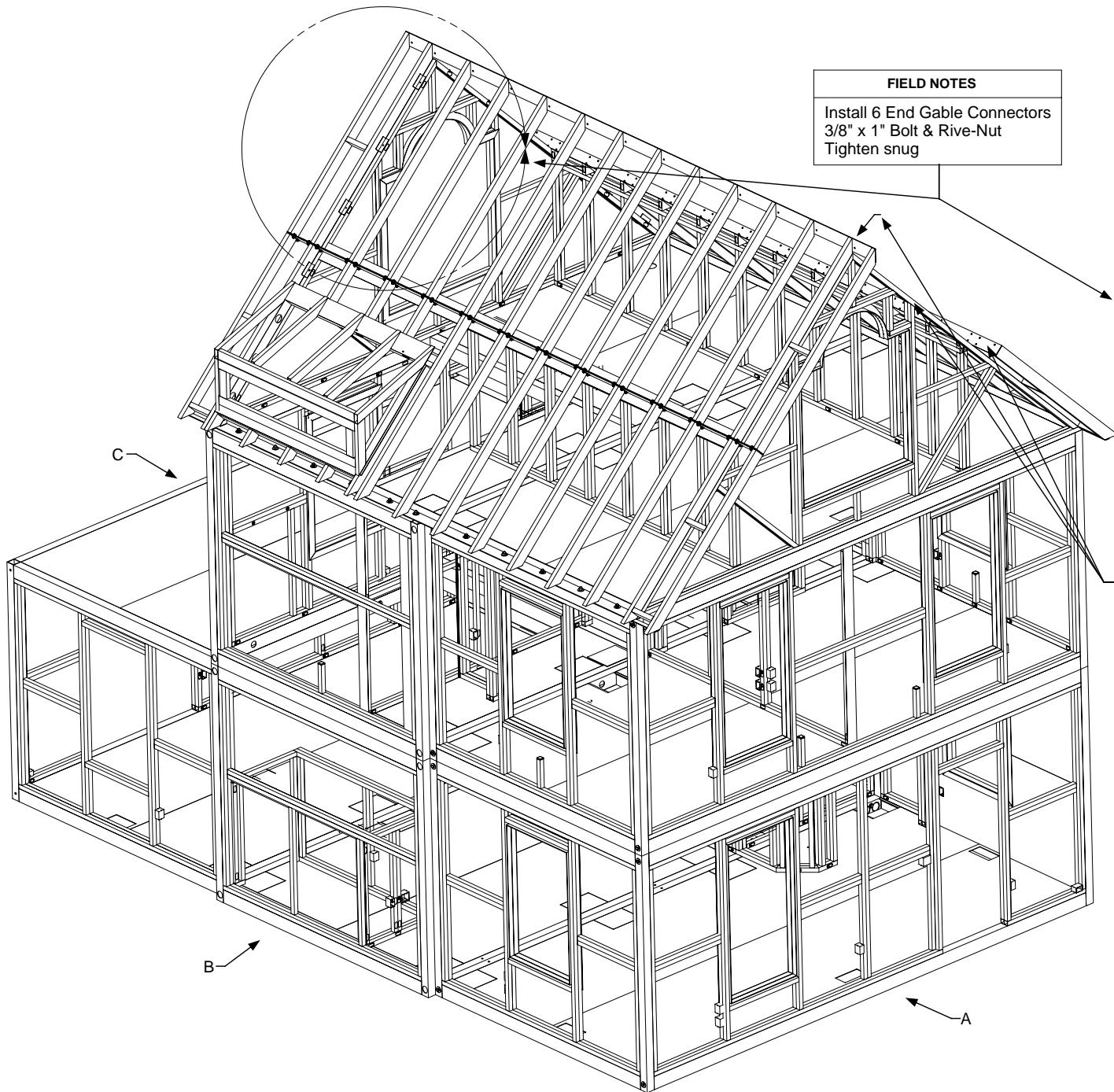
**OHIO U. APPROVED**

DATE: 11/11/2006

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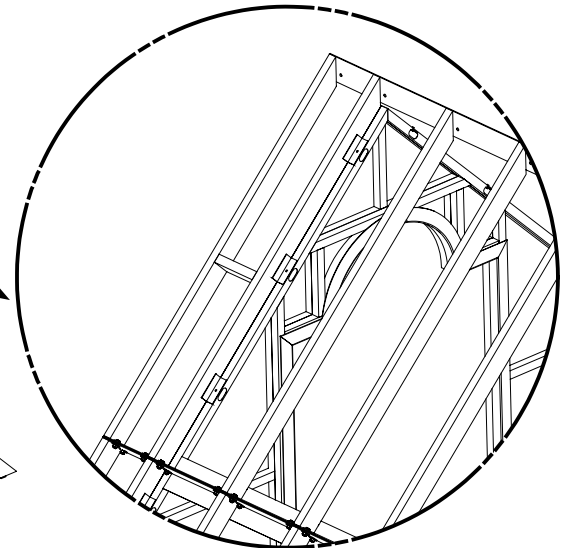






**FIELD NOTES**

Install 6 End Gable Connectors  
 3/8" x 1" Bolt & Rive-Nut  
 Tighten snug



**FIELD NOTES**

Uniroyal Silaprene Adhesive/Sealant  
 applied to contact surfaces

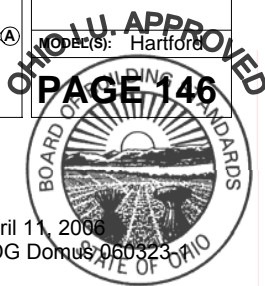


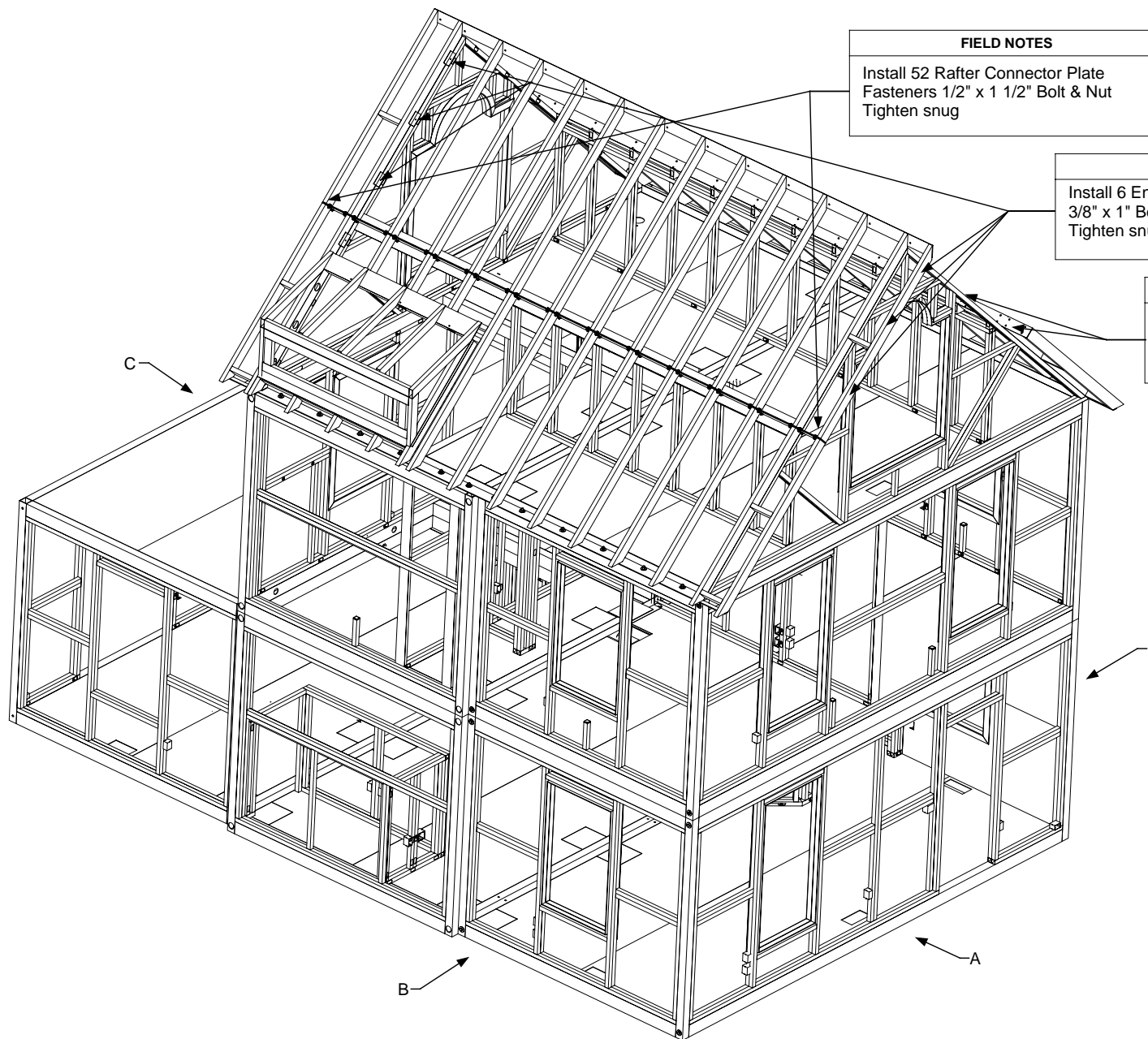
**KEY PLAN**

	<b>D</b>	
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
<b>C</b>	Loft 3rd Floor	Loft 3rd Floor
	<b>B</b>	<b>A</b>

**DRAWING**

Site Assembly  
 Roof  
 View A & B  
 Installation-Upper  
 section (U1)  
 Detail 6





#### FIELD NOTES

Install 52 Rafter Connector Plate  
Fasteners 1/2" x 1 1/2" Bolt & Nut  
Tighten snug

#### FIELD NOTES

Install 6 End Gable Connectors  
3/8" x 1" Bolt & Rive-Nut  
Tighten snug

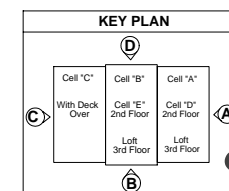
#### FIELD NOTES

Uniroyal Silaprene Adhesive/Sealant  
applied to contact surfaces

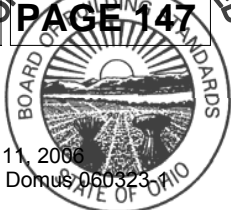


#### DRAWING

Site Assembly  
Roof  
View A & B  
Installation-Upper  
section (U1)



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# FIELD NOTES

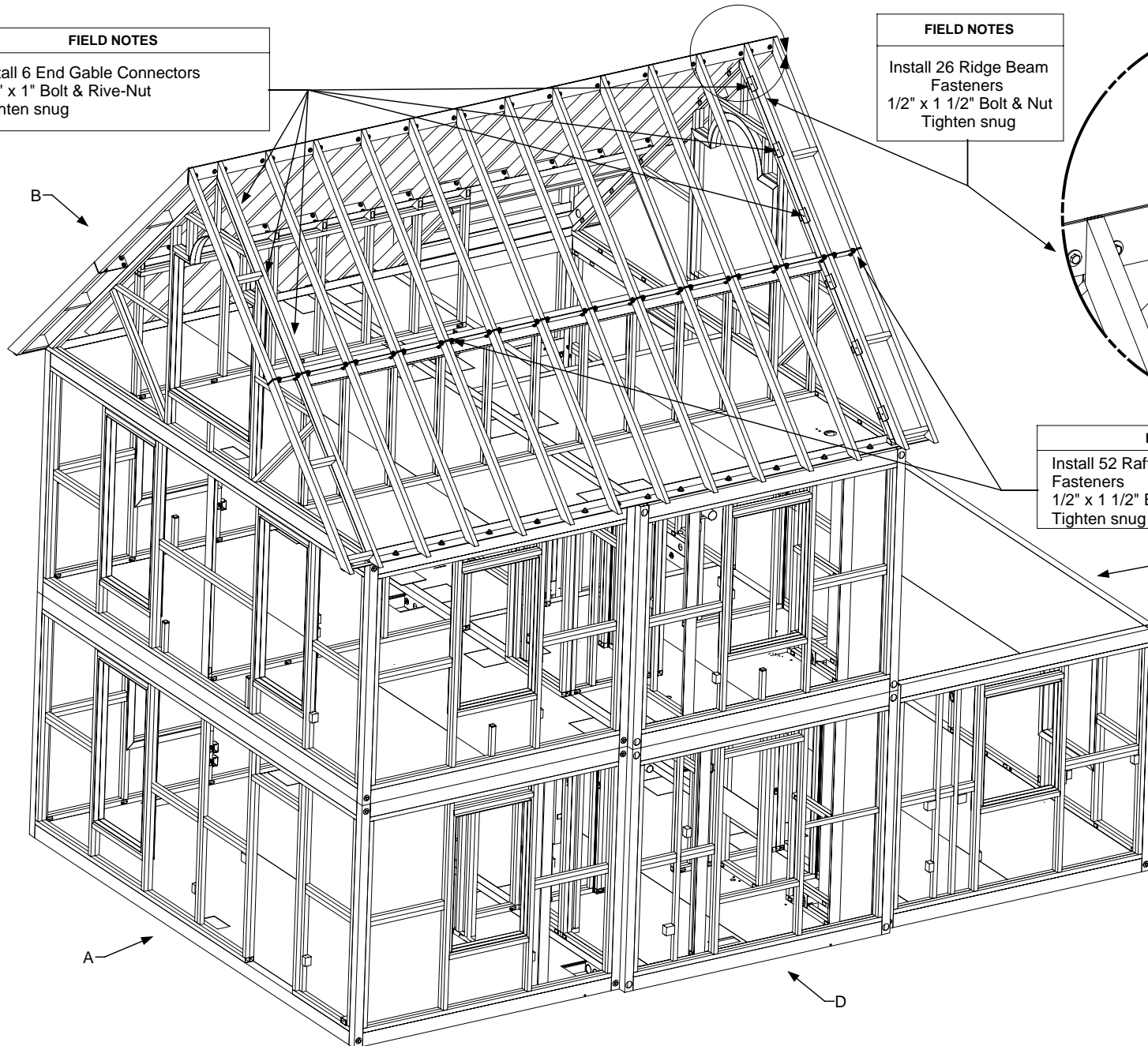
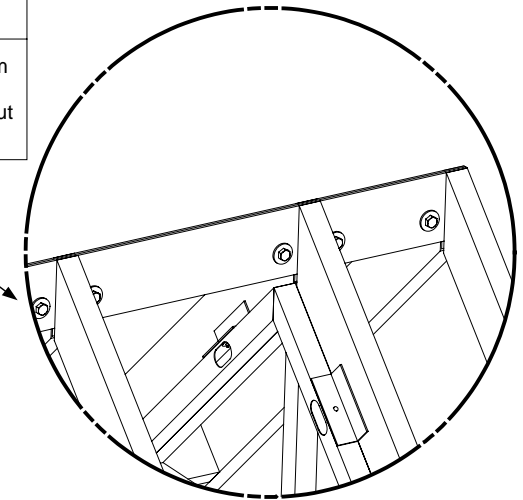
Install 6 End Gable Connectors  
3/8" x 1" Bolt & Rive-Nut  
Tighten snug

# FIELD NOTES

Install 26 Ridge Beam  
Fasteners  
1/2" x 1 1/2" Bolt & Nut  
Tighten snug

# FIELD NOTES

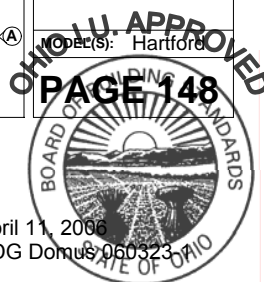
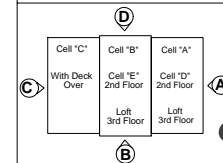
Install 52 Rafter Connector Plate  
Fasteners  
1/2" x 1 1/2" Bolt & Nut  
Tighten snug



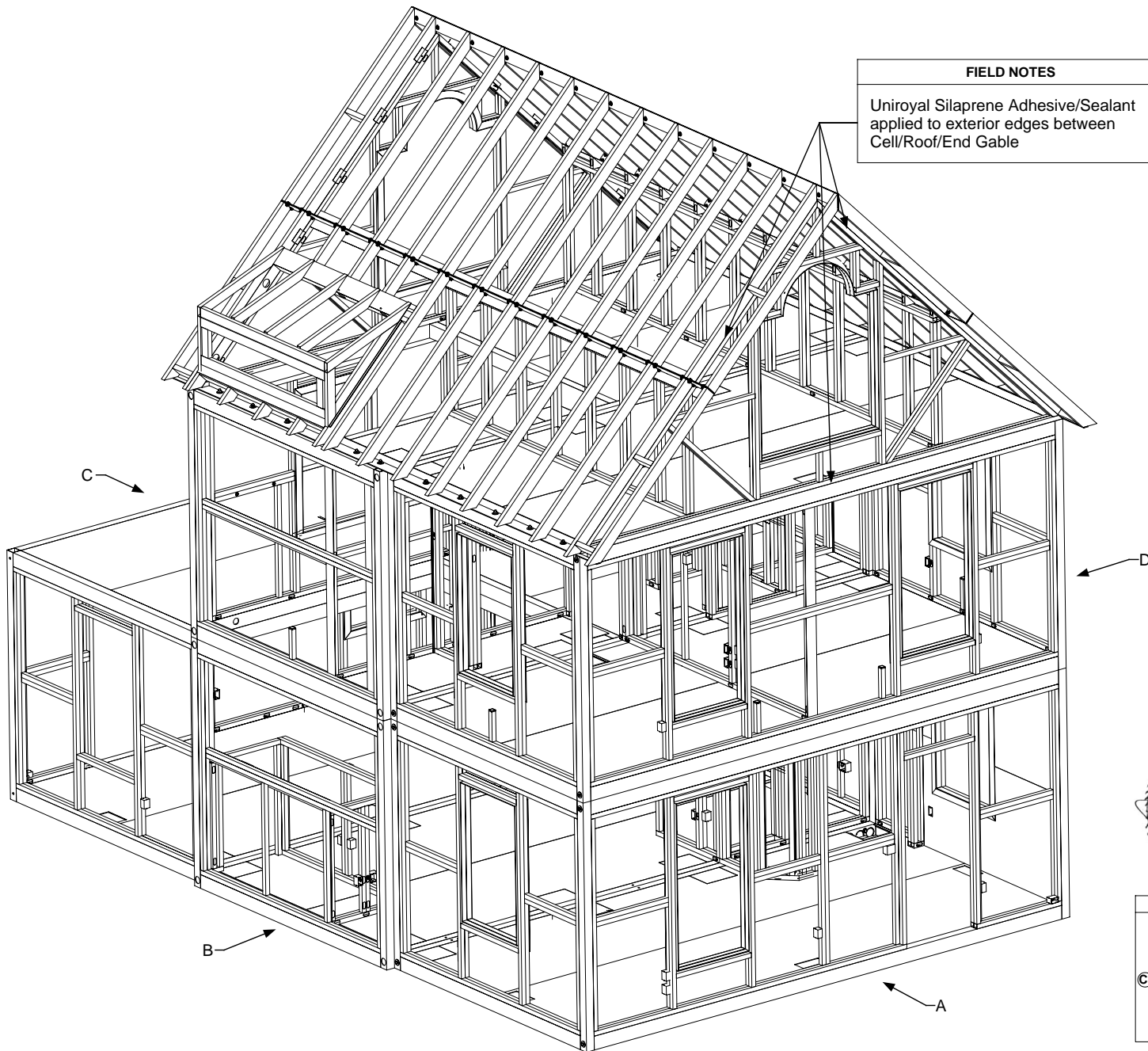
# DRAWING

Site Assembly  
Roof  
View A & D  
Installation-Bolts  
Upper section (U2)  
Detail 7

# KEY PLAN







#### FIELD NOTES

Uniroyal Silaprene Adhesive/Sealant applied to exterior edges between Cell/Roof/End Gable

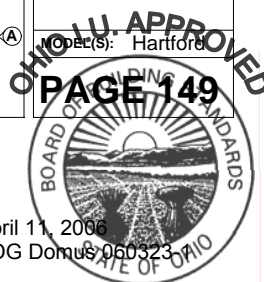
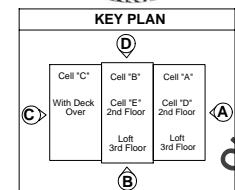
#### QA Finished Checklist

	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to frame
	Bolts and Nuts installed
	Bolt/Nut Count - 322
	Plumbing reconnection
	Plumbing test
	Electrical reconnection
	Electrical test
	Edges between cell and Access hatches are filled level with Weld-On Sealant
	Plaster work: Embed elastomeric plaster and tape
	Adhesive/Sealant applied to exterior edges between Cell



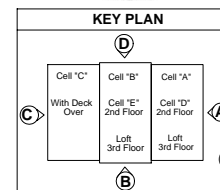
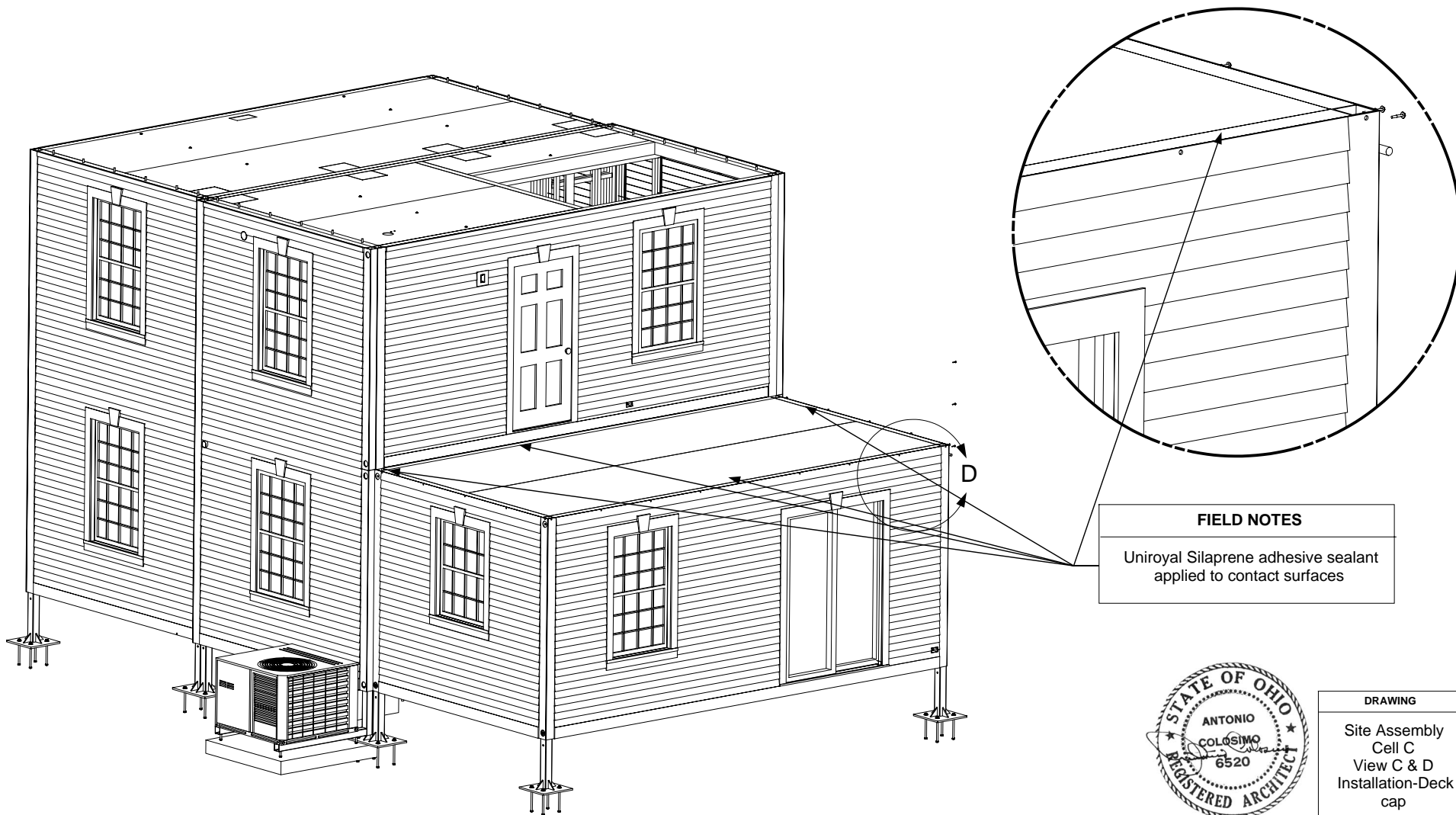
#### DRAWING

Site Assembly  
Roof  
View A & B  
Finished checklist



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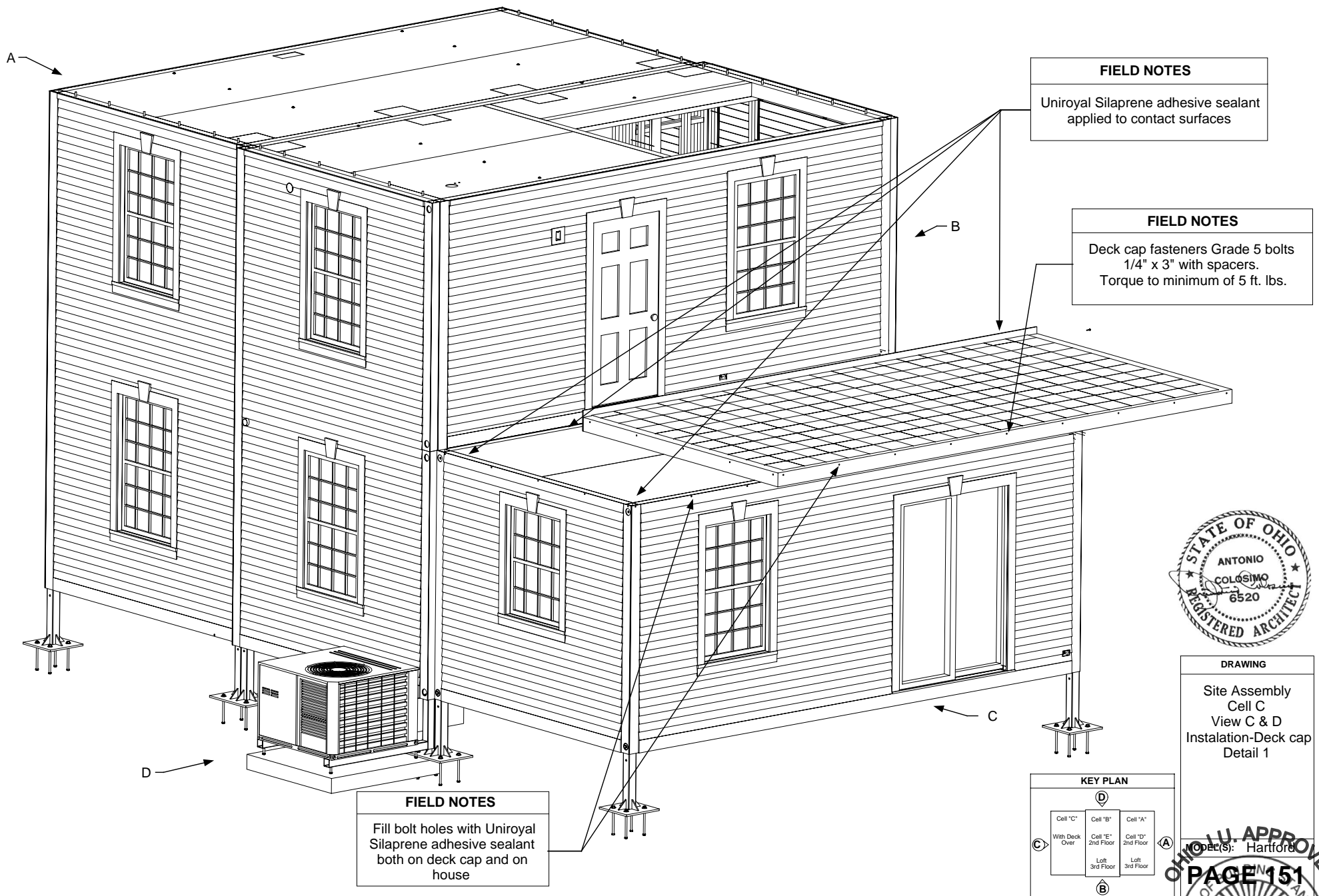
**DRAWING**

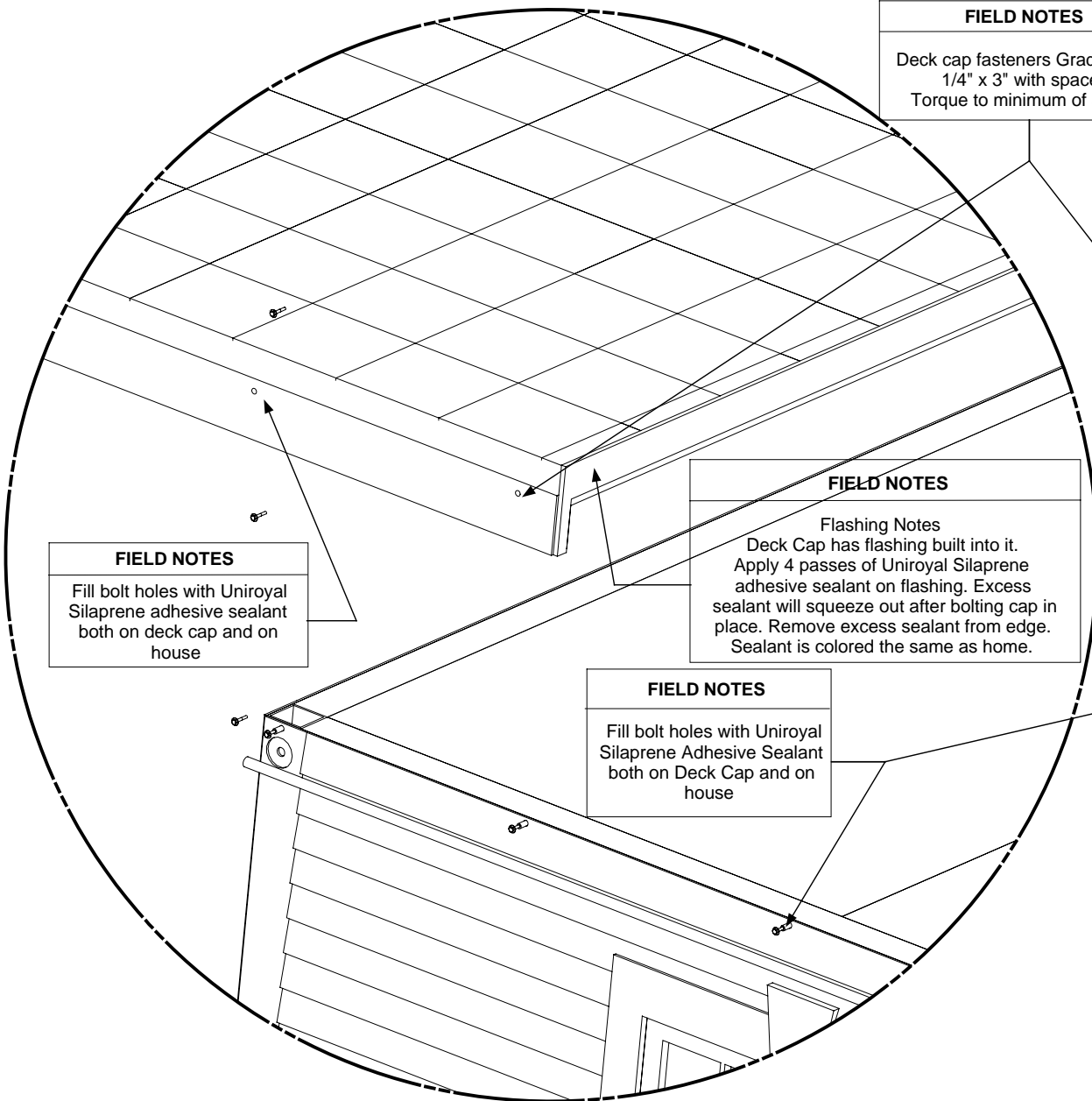
Site Assembly  
Cell C  
View C & D  
Installation-Deck  
cap

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**FIELD NOTES**

Deck cap fasteners Grade 5 bolts  
1/4" x 3" with spacers.  
Torque to minimum of 5 ft. lbs.

**FIELD NOTES**

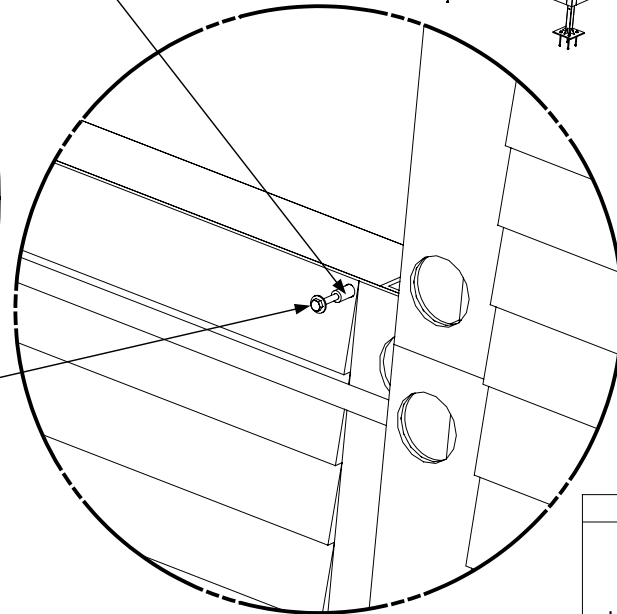
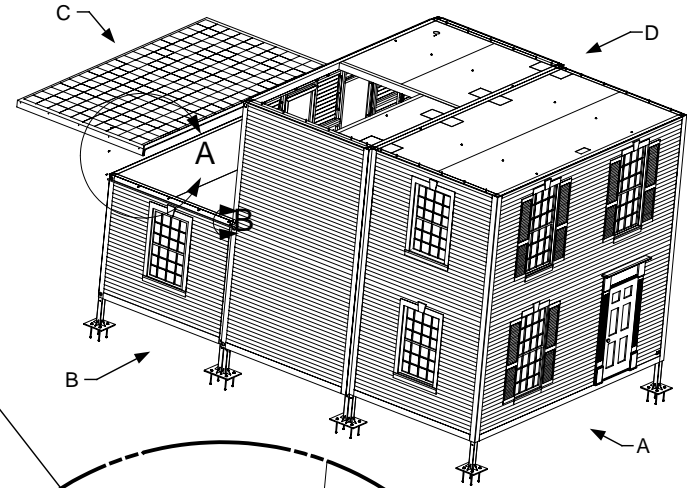
Flashing Notes  
Deck Cap has flashing built into it.  
Apply 4 passes of Uniroyal Silaprene  
adhesive sealant on flashing. Excess  
sealant will squeeze out after bolting cap in  
place. Remove excess sealant from edge.  
Sealant is colored the same as home.

**FIELD NOTES**

Fill bolt holes with Uniroyal  
Silaprene adhesive sealant  
both on deck cap and on  
house

**FIELD NOTES**

Fill bolt holes with Uniroyal  
Silaprene Adhesive Sealant  
both on Deck Cap and on  
house



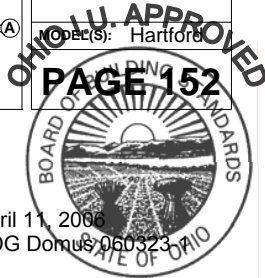
**DRAWING**

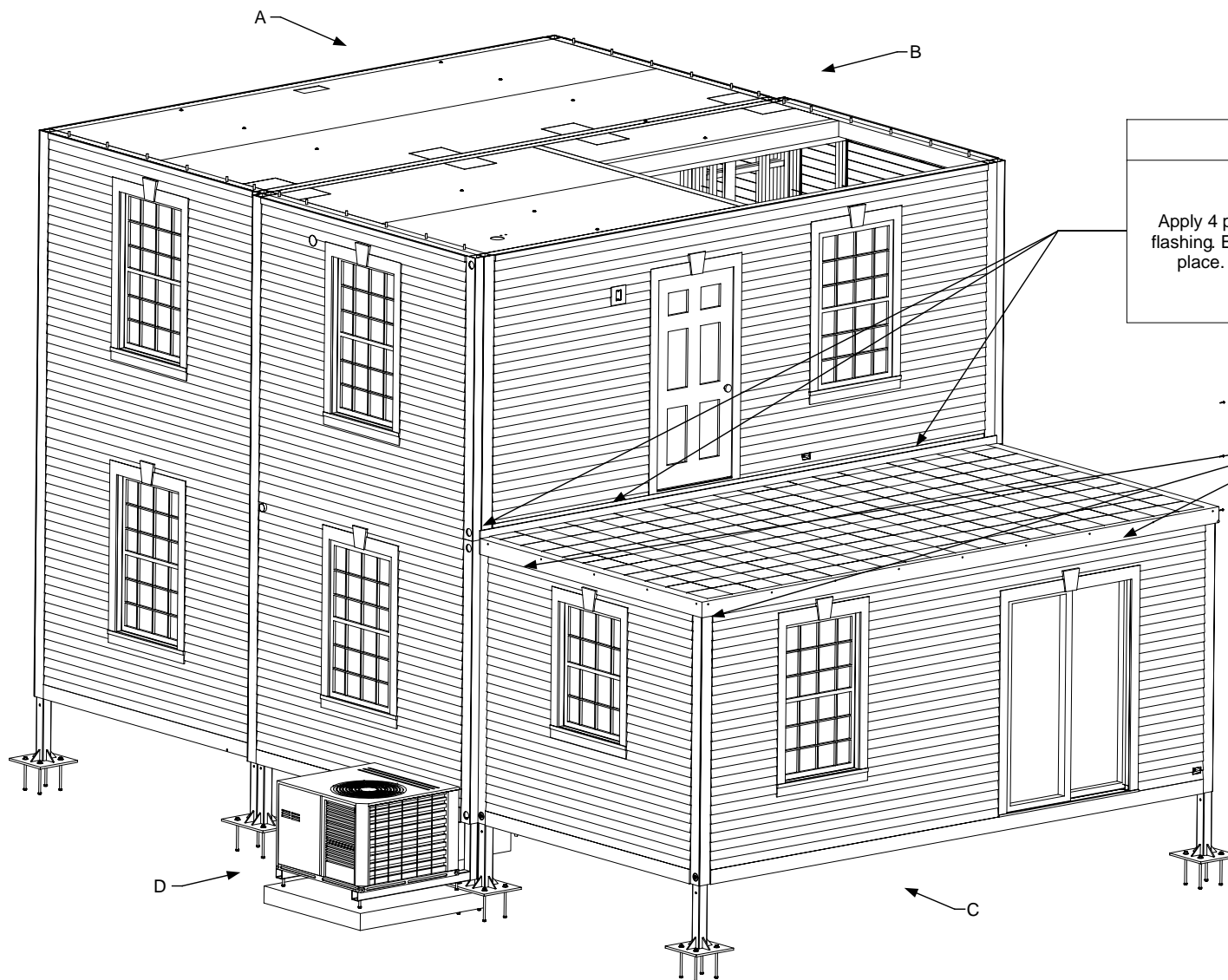
Site Assembly  
Cell C  
View A & B  
Installation-Deck  
cap  
Detail 2



**KEY PLAN**

D		
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
C	Loft 3rd Floor	Loft 3rd Floor
B		





# FIELD NOTES

Flashing Notes  
Deck cap has flashing built into it.  
Apply 4 passes of Uniroyal Silaprene adhesive sealant on flashing. Excess sealant will squeeze out after bolting cap in place. Remove excess sealant from edge. Sealant is colored the same as home.

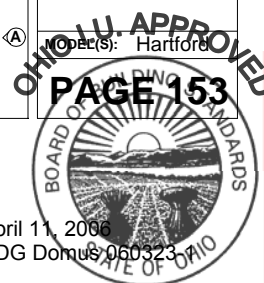
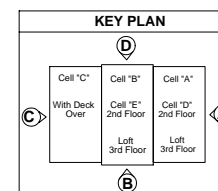
# FIELD NOTES

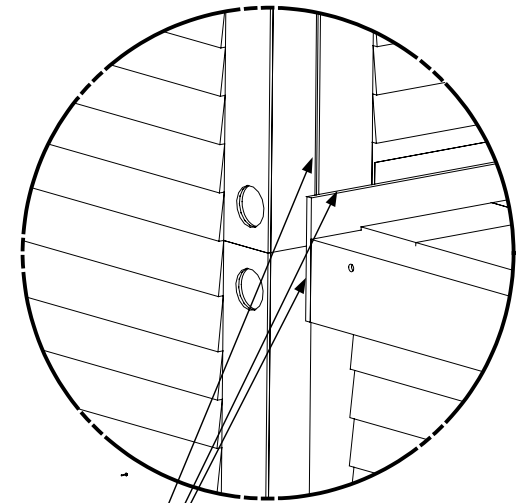
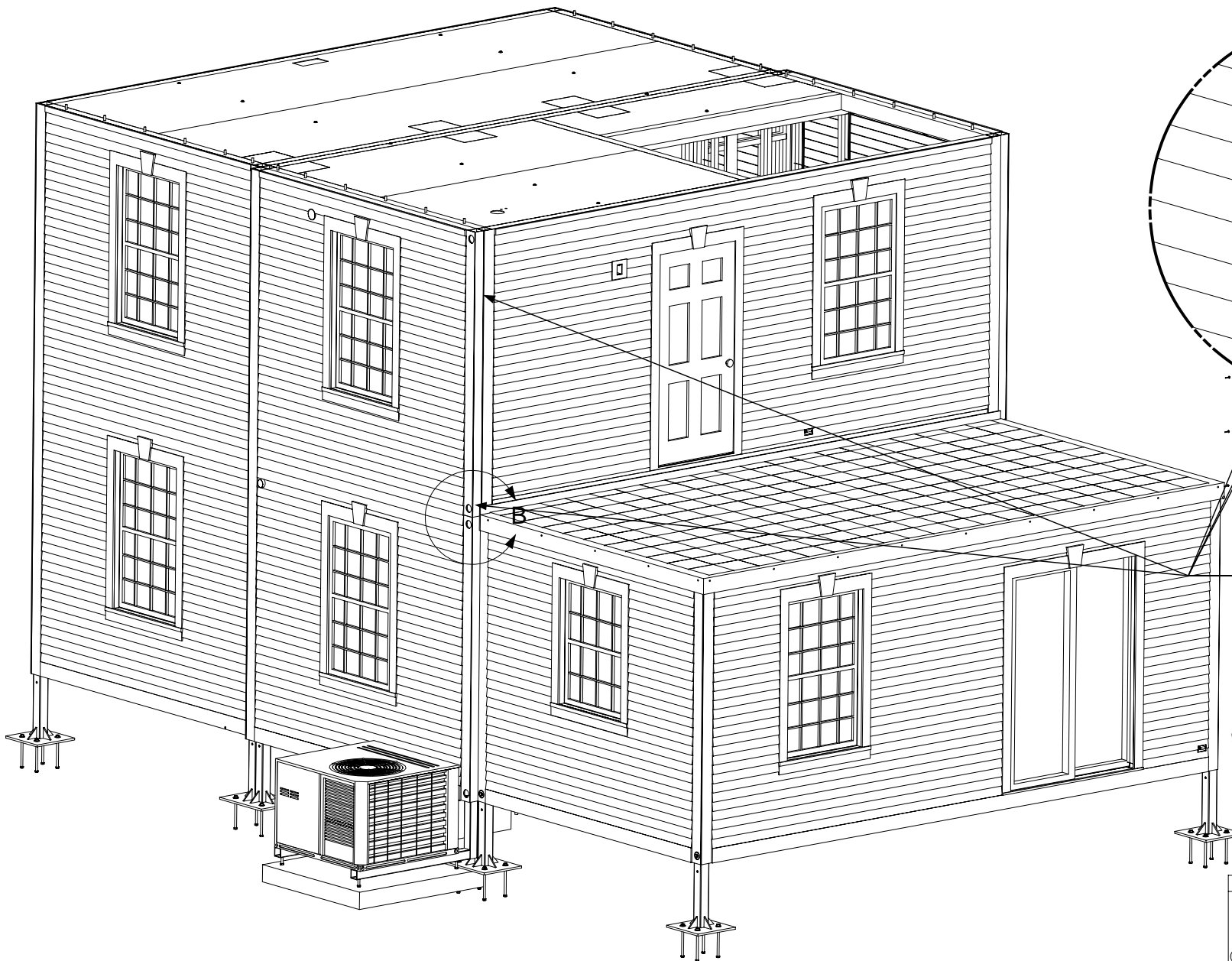
Place sealant on edge of deck cap



# DRAWING

Site Assembly  
Cell C  
View C & D  
InstallationDeck  
cap  
Detail 3





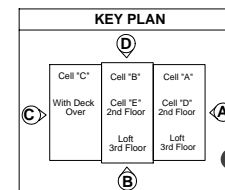
#### FIELD NOTES

**Flashing Notes**  
Deck cap has flashing built into it. Apply 4 passes of Uniroyal Silaprene adhesive sealant on flashing. Excess sealant will squeeze out after bolting cap in place. Remove excess sealant from edge. Sealant is colored the same as home.



#### DRAWING

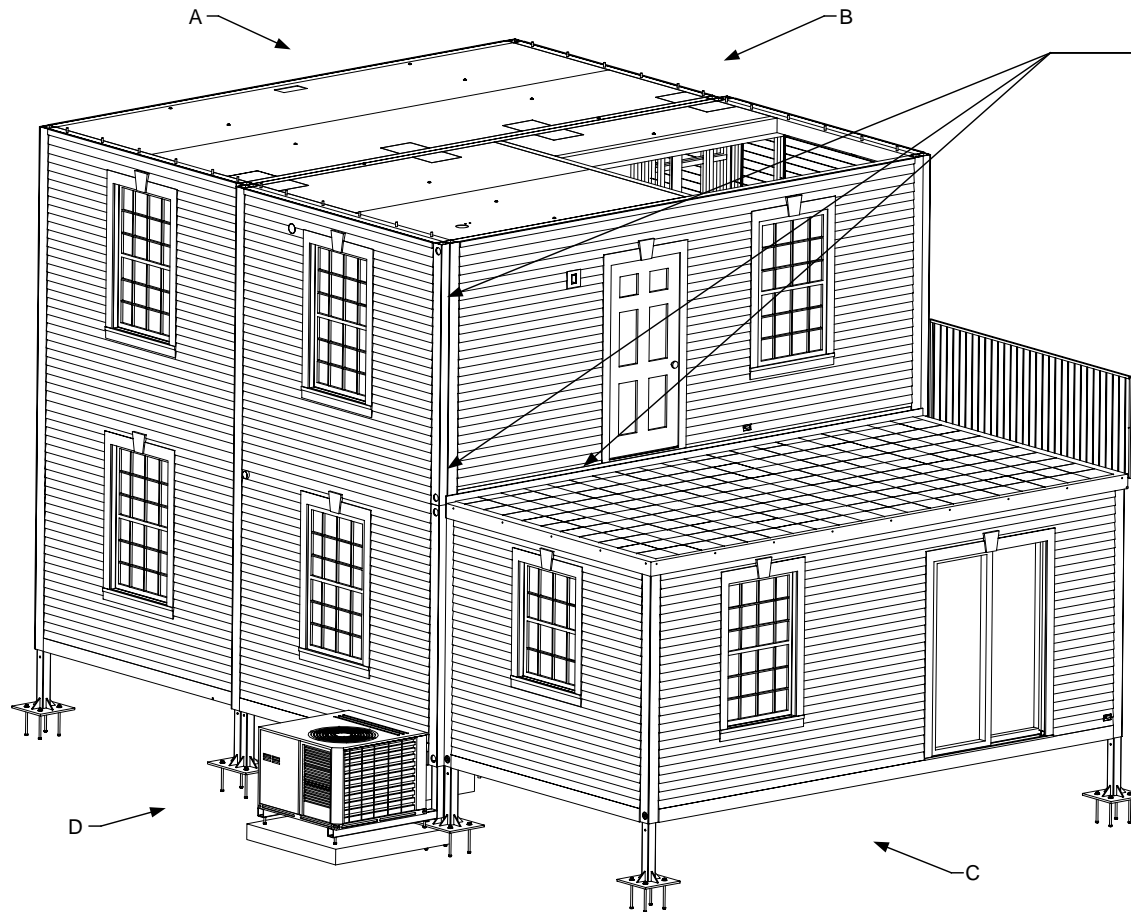
Site Assembly  
Cell C  
View C & D  
Installation Deck  
cap  
Detail 4



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#### FIELD NOTES

**Flashing Notes**  
Deck Cap has flashing built into it.  
Apply on flashing 4 passes of Uniroyal Silaprene Adhesive Sealant. Excess sealant will squeeze out after bolting cap takes place. Remove excess sealant from edge. Sealant is colored the same as home.

#### FIELD NOTES

Bolt deck rail onto cell

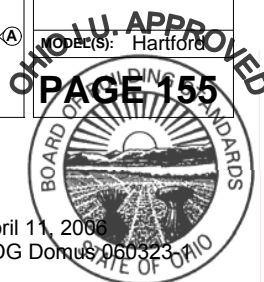
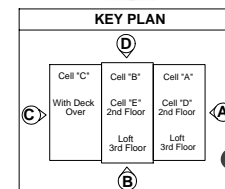
#### FIELD NOTES

Deck cap fasteners Grade 5 Bolts  
1/4" x 3" with spacers.  
Torque to minimum of 5 ft. lbs.

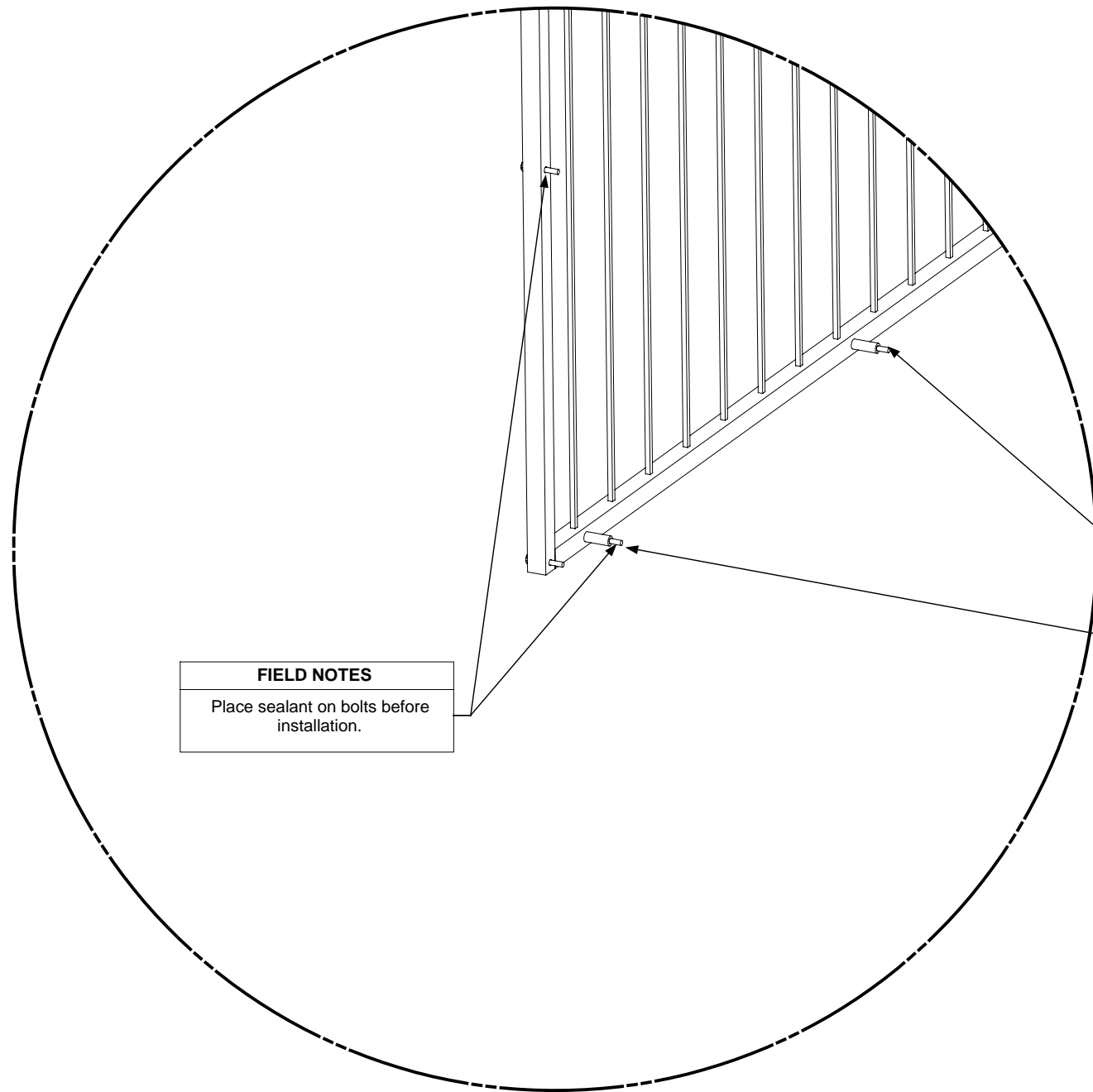


#### DRAWING

Site Assembly  
Cell C  
View C & D  
Installation Deck  
Cap  
Detail 5

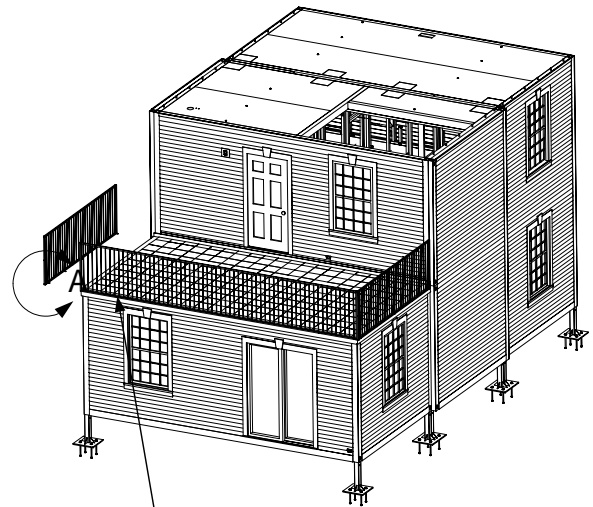






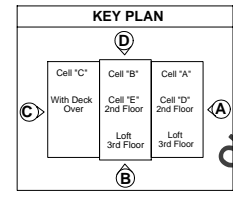
**FIELD NOTES**

Place sealant on bolts before installation.



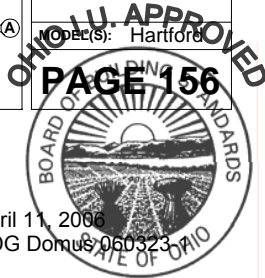
**FIELD NOTES**

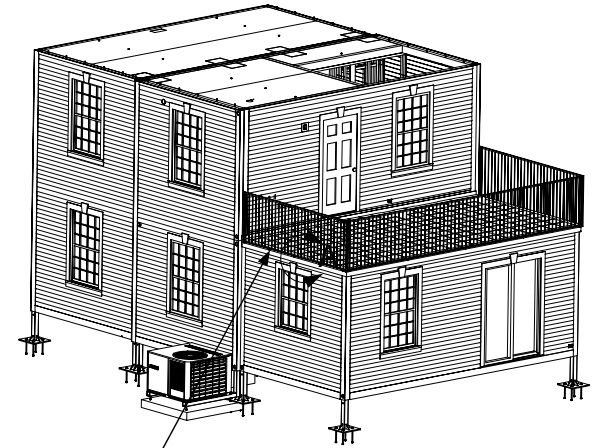
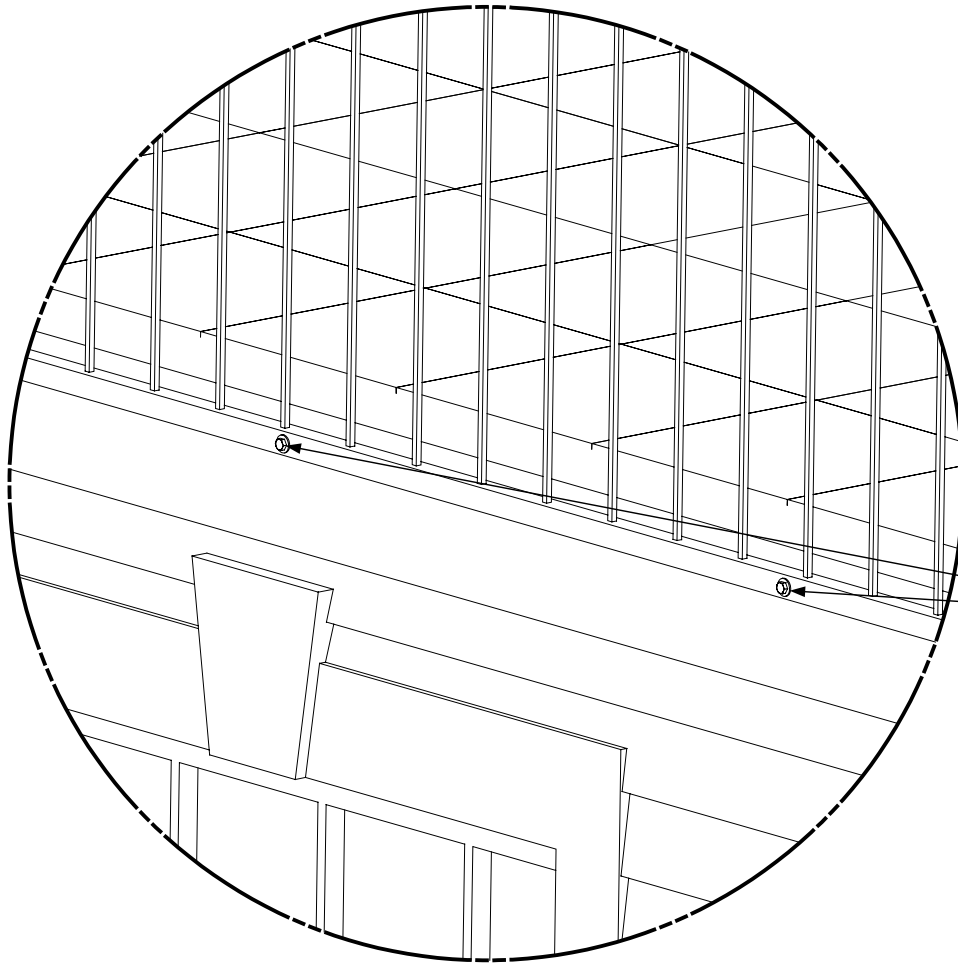
Deck cap & hand rail fasteners Grade 5 Bolts 1/4" x 3" with spacers. Torque to minimum of 5 ft. lbs.



**DRAWING**

Site Assembly  
Cell C  
View B & C  
InstallationDeck  
cap  
Detail 6



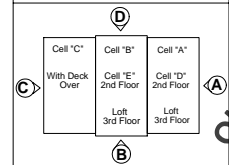


#### FIELD NOTES

Deck cap fasteners Grade 5 Bolts 1/4" x 3"  
with spacers.  
Torque to minimum of 5 ft. lbs.



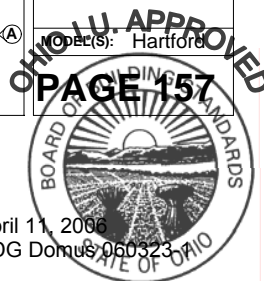
#### KEY PLAN

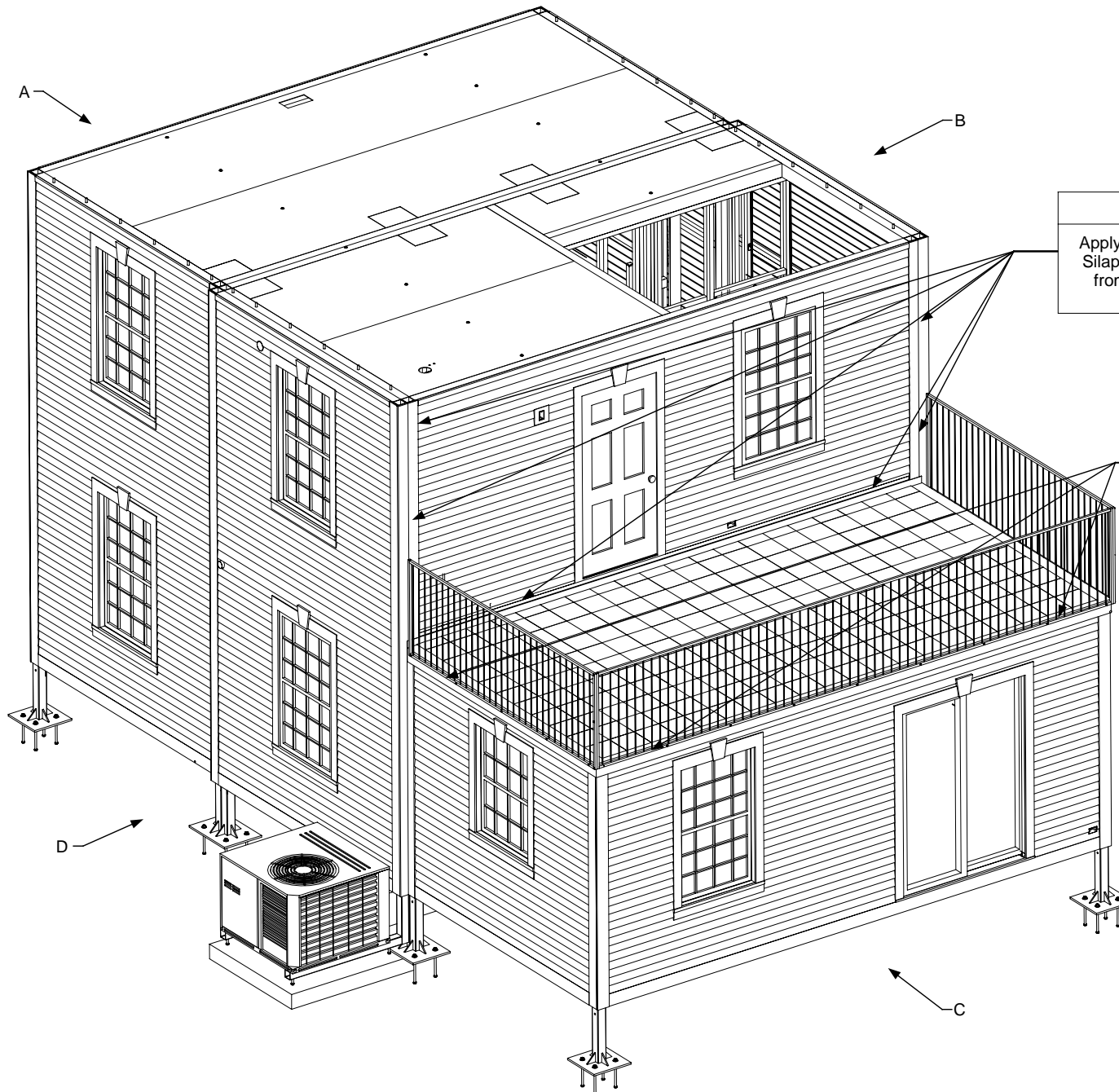


#### DRAWING

Site Assembly  
Cell C  
View C & D  
InstallationDeck  
cap  
Detail 7

DESIGNED BY: Hartford





**FIELD NOTES**

Apply sealant on edges of finished trim using Uniroyal Silaprene adhesive sealant. Remove excess sealant from edge. Sealant is colored the same as home.

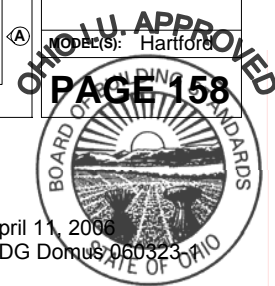
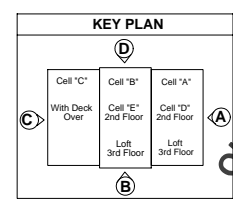
**FIELD NOTES**

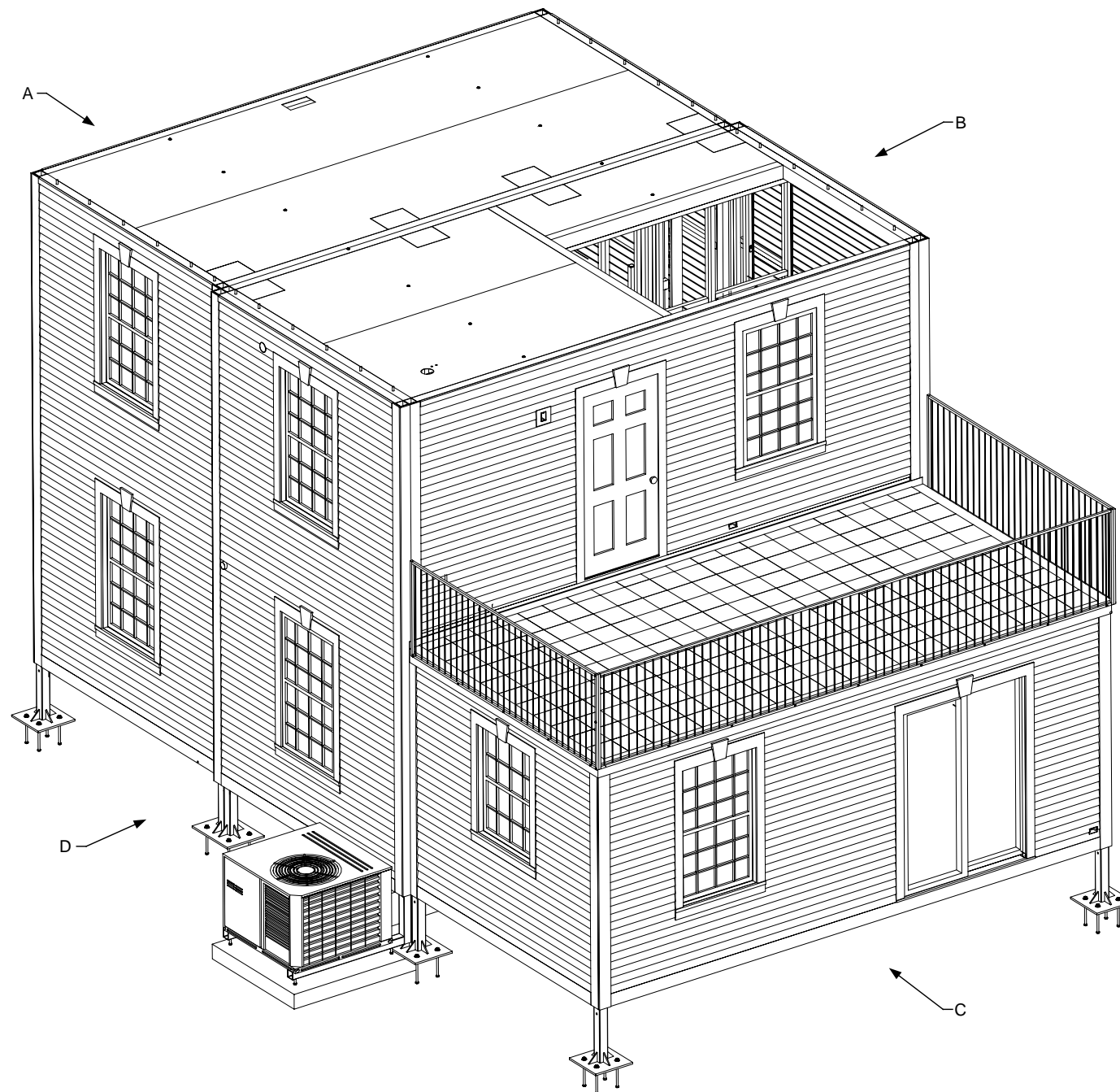
Deck cap fasteners Grade 5 bolts 1/4" x 3" with spacers.  
Torque to minimum of 5 ft. lbs.



**DRAWING**

Site Assembly  
Cell C  
View C & D  
InstallationDeck  
cap  
Detail 8

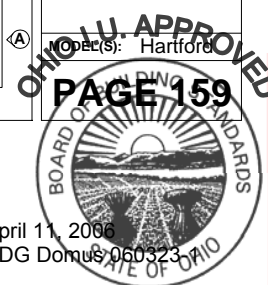
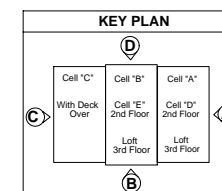




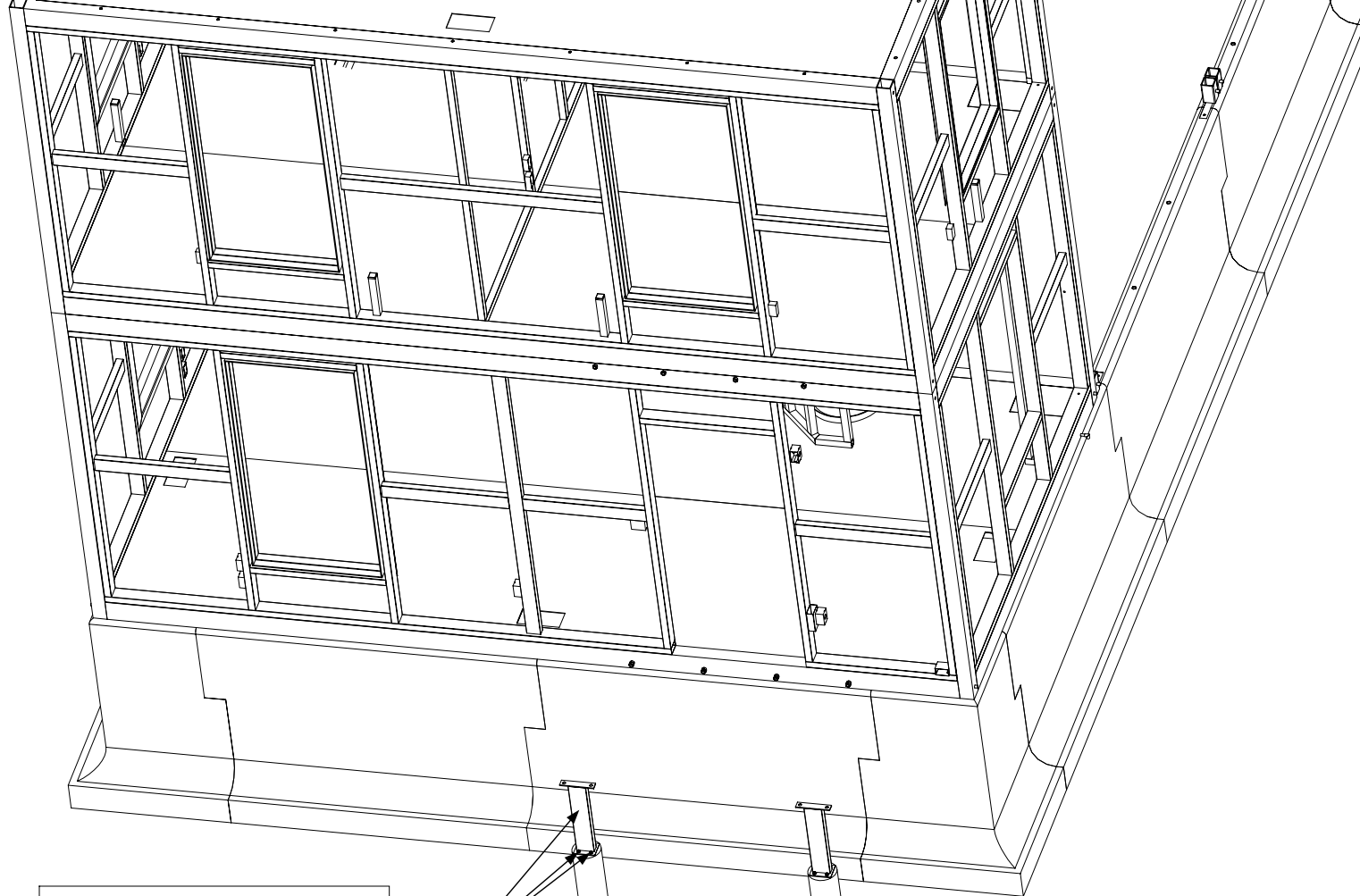
QA Finished Checklist
Digital photos each execution task for QA
Verification and check-off on drawing package
<b>Adhesive/Sealant applied to deck cap</b>
Bolts and Nuts installed
Bolt/Nut Count - 25
<b>Adhesive/Sealant applied to exterior edges between Cell E and deck cap</b>
<b>Hand rail installed with 25 bolts and spacers</b>



DRAWING  
Site Assembly  
Cell C  
View C & D  
InstallationDeck  
cap  
Finished checklist



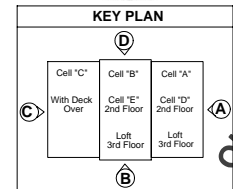




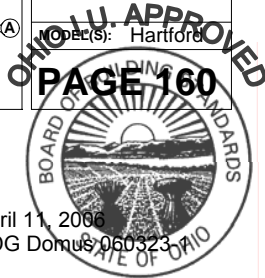
QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Pilasters set in hole 6" x 36" deep, then back filled
	Pilaster Count - 2
	Install Connector Post Nuts Grade 5 - 3/8" Torqued to minimum of 10 ft. lbs.
	Nut Count - 8

**FIELD NOTES**  
 Connector Post  
 Bolt grade 5 nut 3/8" to Grade 5 3/8" J bolt. Nuts torqued to minimum of 10 ft. lbs.

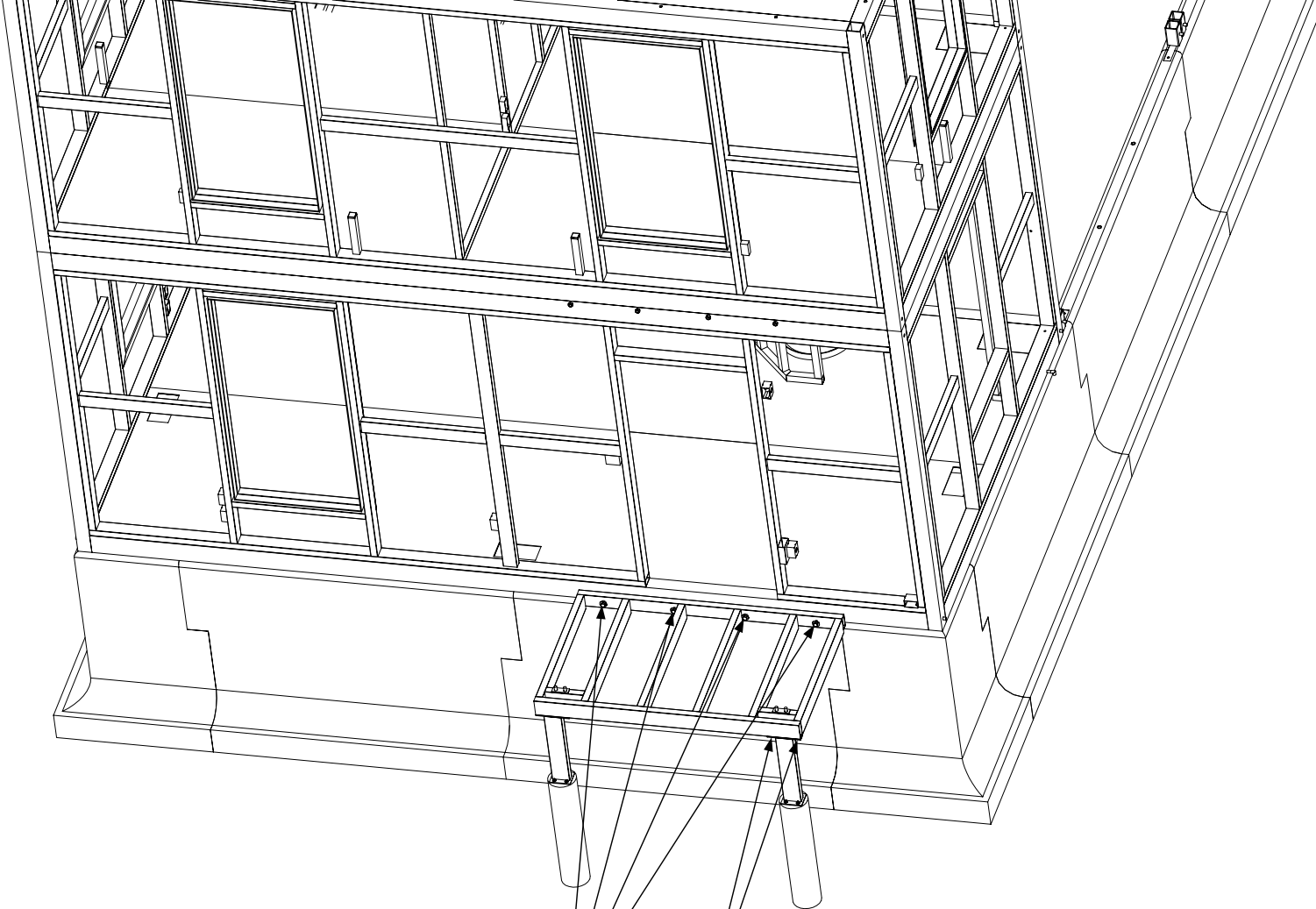
**FIELD NOTES**  
 Drill 6"x36" deep hole, tamp and place pilaster. Back fill hole once pilaster is placed



**DRAWING**  
 Site Assembly  
 Small front porch  
 Type 1  
 View A & D  
 Installation-Bolts  
 Detail 1







QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Install Porch Connector Bolts Grade 5 - 3/4" x 4" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 4
	Install Connector Post Bolts Grade 5 - 3/4" x 6 1/2" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 4

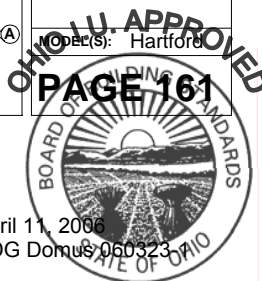
FIELD NOTES
Porch Connectors Grade 5 Bolt & Nut 3/4" x 4" Bolts, torqued to minimum of 10 ft. lbs.

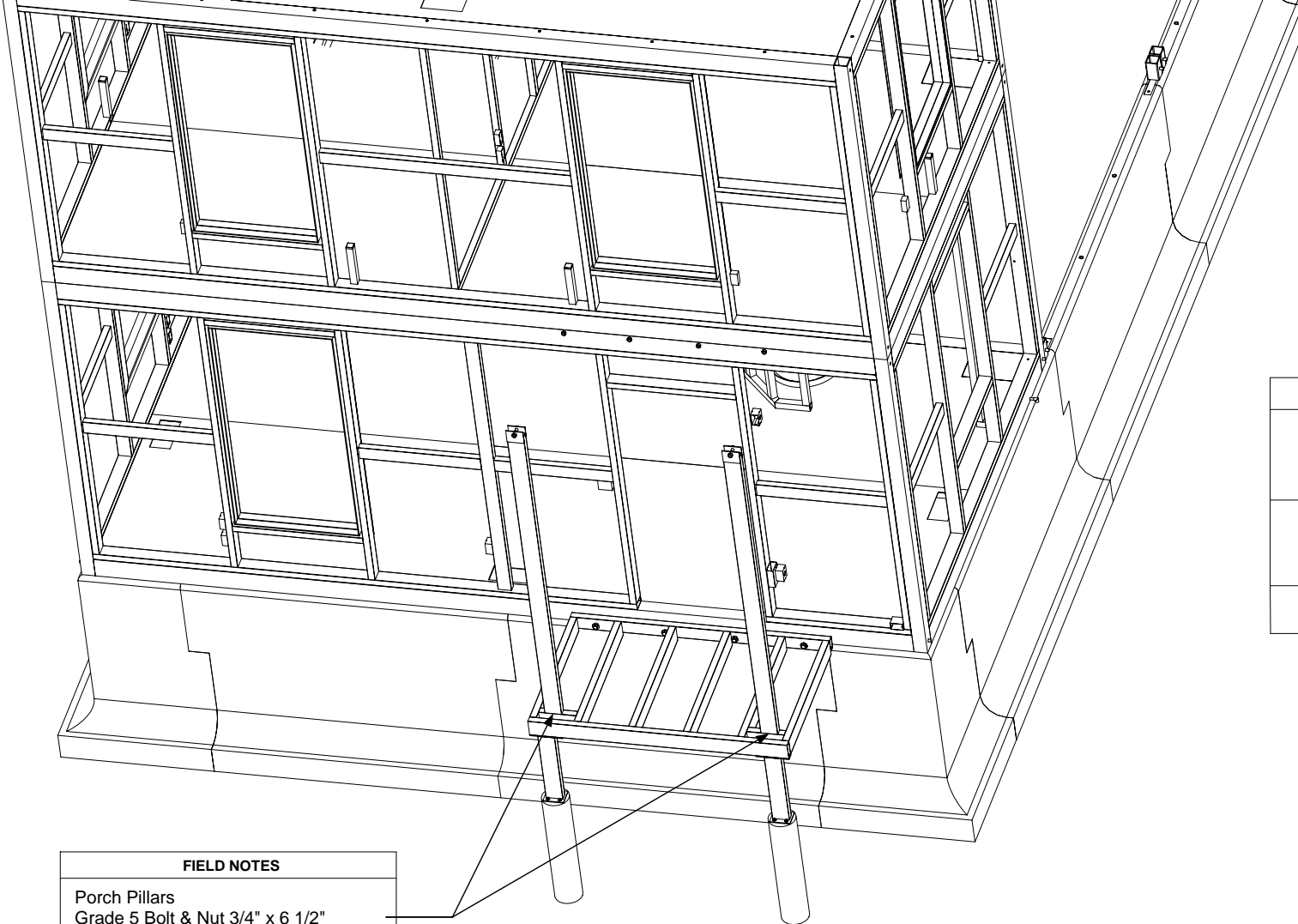
FIELD NOTES
Connector Posts Grade 5 Bolt & Nut 3/4" x 6 1/2" Bolts, torqued to minimum of 10 ft. lbs.



KEY PLAN
<div> <div>Cell "C" With Deck Over</div> <div>Cell "B" Cell "E" 2nd Floor</div> <div>Cell "A" Cell "D" 2nd Floor</div> <div>Loft 3rd Floor</div> <div>Loft 3rd Floor</div> </div>

DRAWING
Site Assembly Small front porch Type 1 View A & D Installation-Bolts Detail 2





**FIELD NOTES**

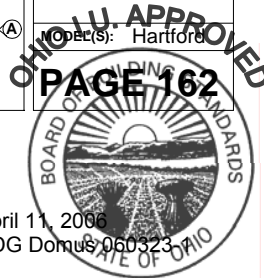
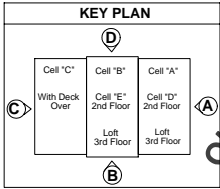
Porch Pillars  
 Grade 5 Bolt & Nut 3/4" x 6 1/2"  
 Bolts, torqued to minimum of 10 ft. lbs.

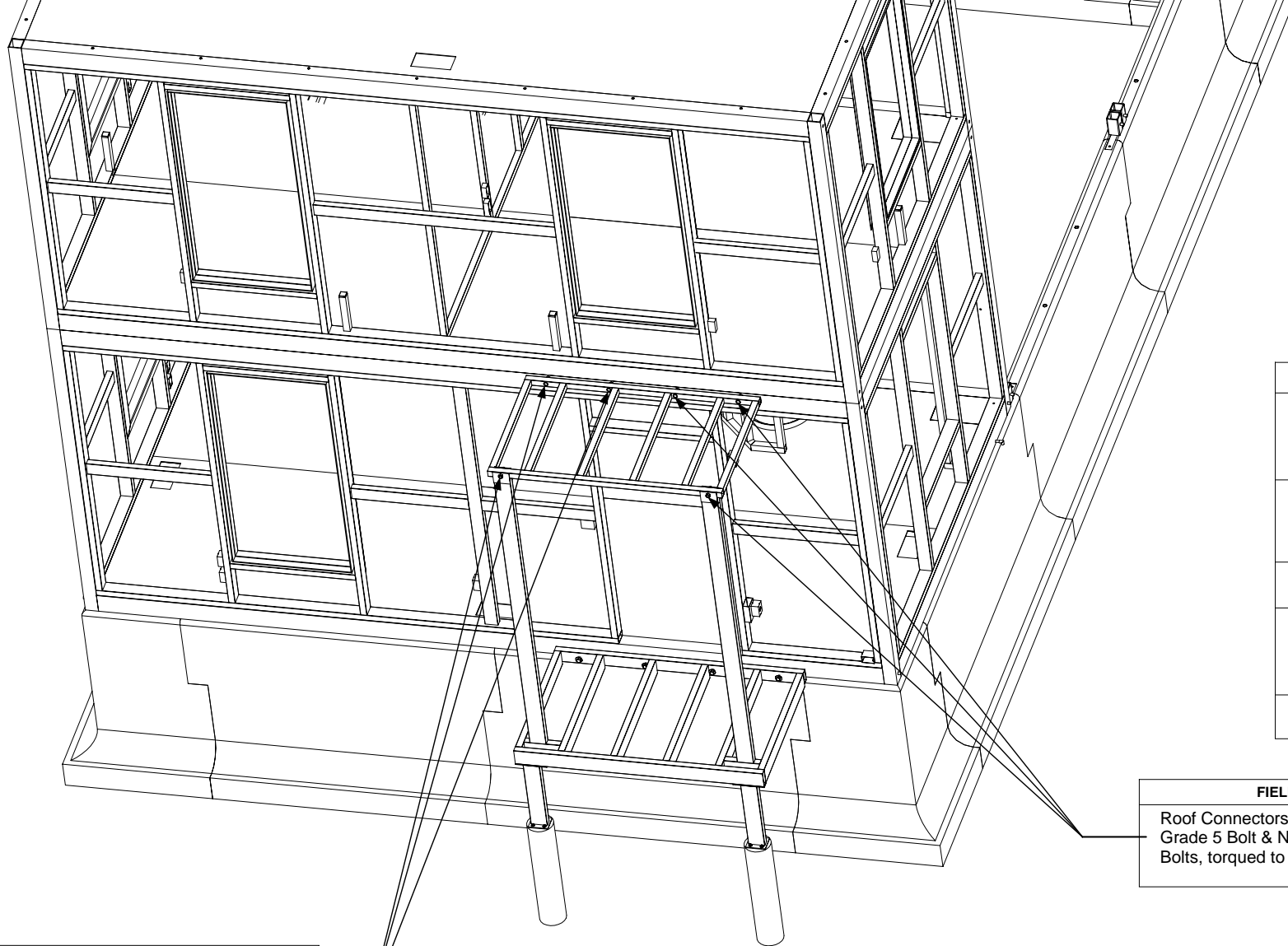
QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Install Porch Pillar Bolts Grade 5 - 3/4" x 6 1/2" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 4



**DRAWING**

Site Assembly  
 Small front porch  
 Type 1  
 View A & D  
 Installation-Bolts  
 Detail 3





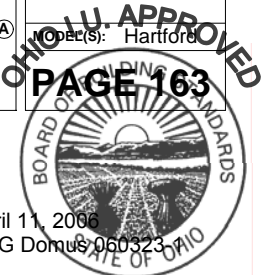
QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Install Roof Connectors Bolts Grade 5 - 3/4" x 3" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 4
	Install Roof Connector Bolts Grade 5 - 3/4" x 3" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 2

FIELD NOTES
Roof Connectors Grade 5 Bolt & Nut 3/4" x 3" Bolts, torqued to minimum of ft. lbs.

FIELD NOTES
Roof Connectors Grade 5 Bolt & Nut 3/4" x 3" Bolts, torqued to minimum of ft. lbs.

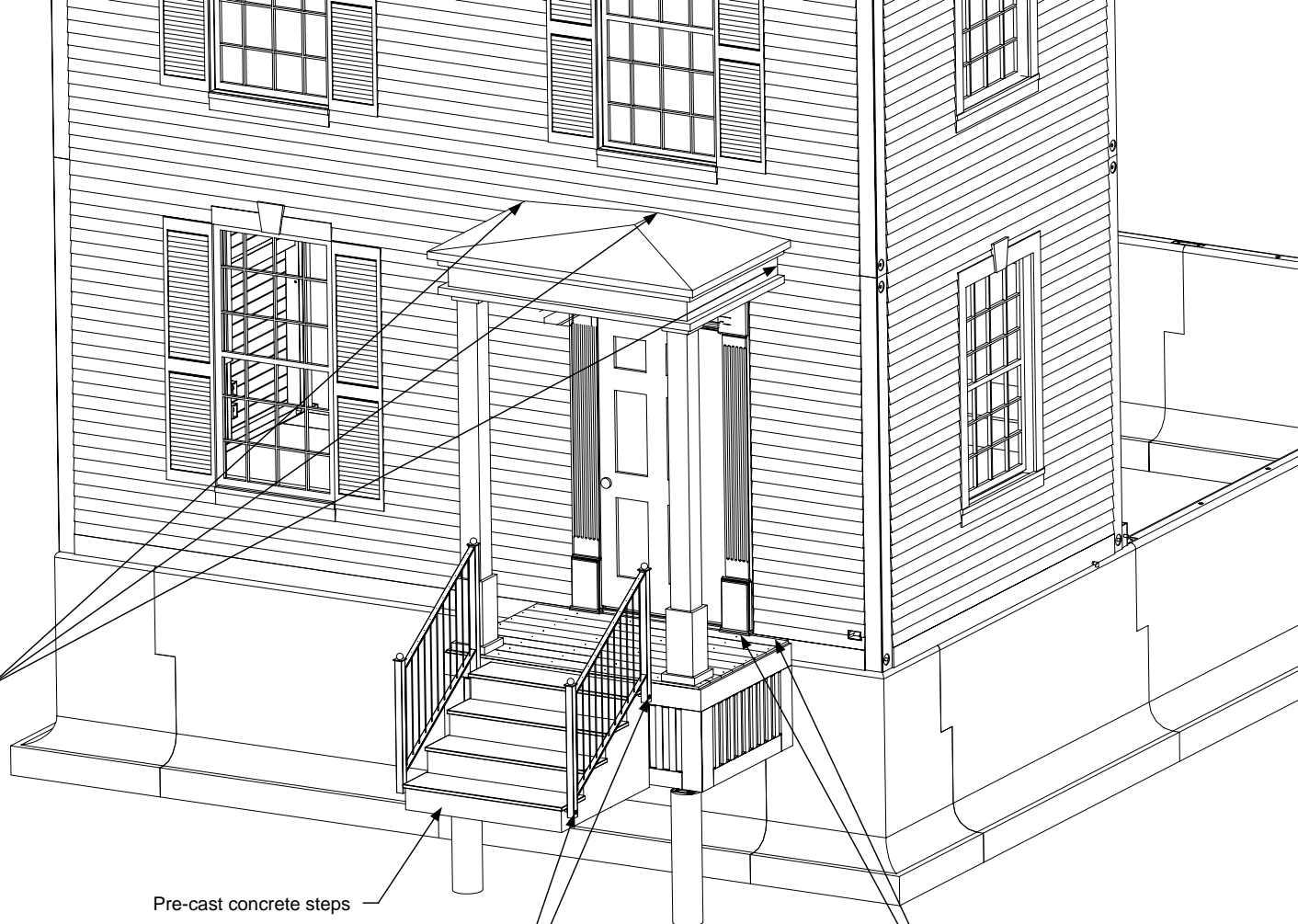
DRAWING
Site Assembly Small front porch Type 1 View A & D Installation-Bolts Detail 4

KEY PLAN
<div> <div>Cell "C" With Deck Over</div> <div>Cell "B" Cell "E" 2nd Floor</div> <div>Cell "A" Cell "D" 2nd Floor</div> </div> <div> <div>Loft 3rd Floor</div> <div>Loft 3rd Floor</div> </div>



QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to Roof Flashing
	Adhesive/Sealant applied to Porch Landing surfaces which contact Cell A
	Install Hand Rail Bolts Grade 5 - 3/8" x 4" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 2

FIELD NOTES
Flashing Detail Roof sealed with Silaprene Solidseal



Pre-cast concrete steps

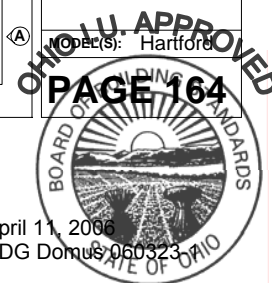
FIELD NOTES
Hand rails Grade 5 Bolt & Nut 3/8" x 4" Bolts, torqued to minimum of 10 ft. lbs.

FIELD NOTES
Porch Landing sealed with Silaprene Solidseal

DRAWING
Site Assembly Small front porch Type 1 View A & D Finished Installation

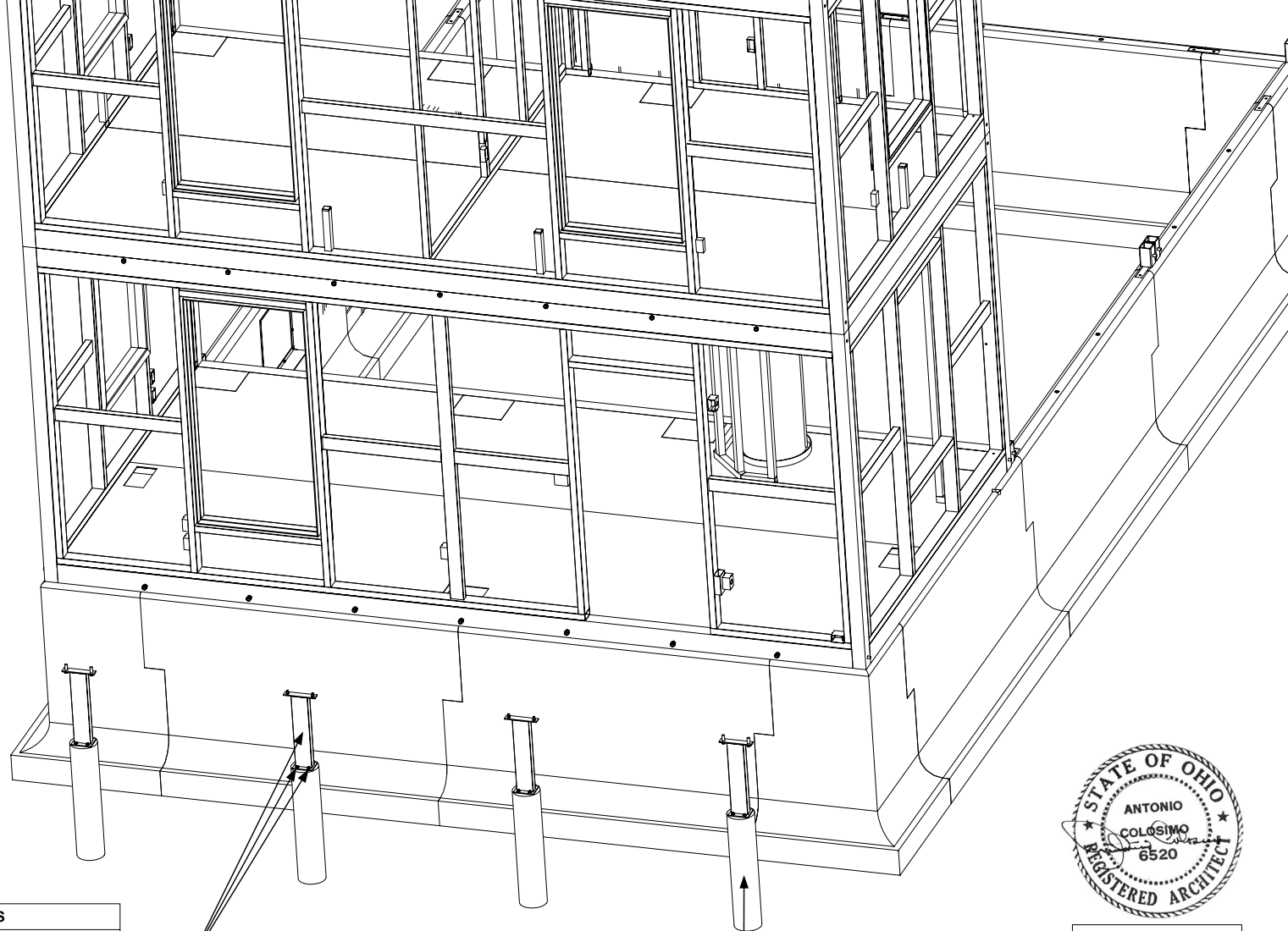


KEY PLAN		
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
	Loft 3rd Floor	Loft 3rd Floor



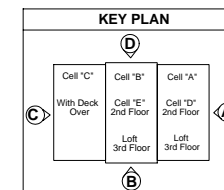


QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Pilasters set in hole 6" x 36" deep, then back filled
	Pilaster Count - 4
	Install Connector Post Nuts Grade 5 - 3/8" Torqued to minimum of 10 ft. lbs.
	Nut Count - 16

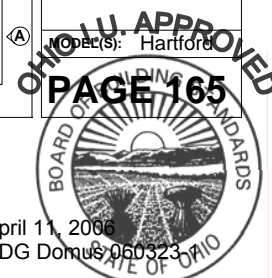


**FIELD NOTES**  
Connector Post  
Bolt grade 5 nut 3/8" to Grade 5 3/8" J bolt. Nuts torqued to minimum of 10 ft. lbs.

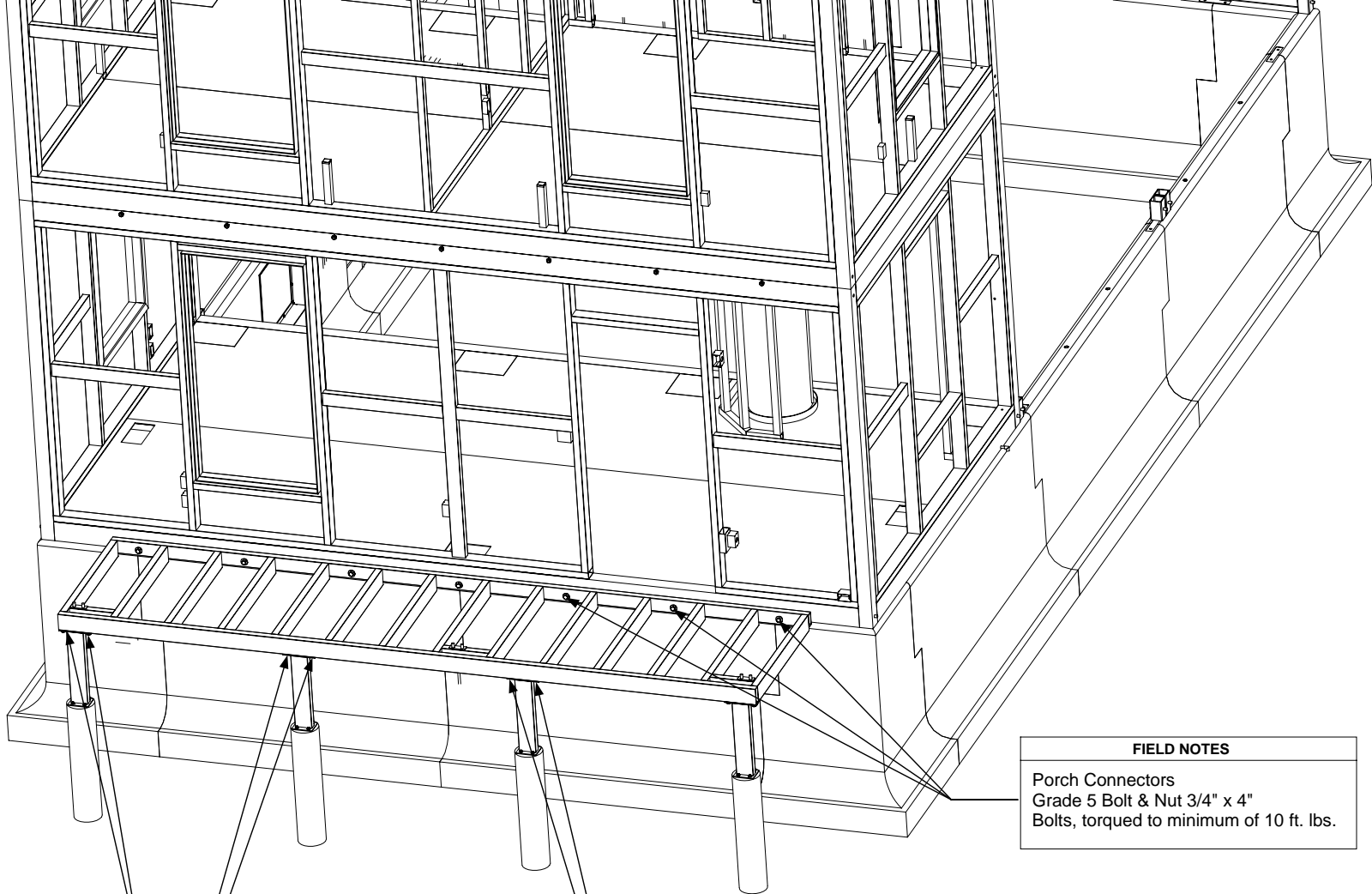
**FIELD NOTES**  
Drill 6"x36" deep hole, tamp and place pilaster. Back fill hole once pilaster is placed



**DRAWING**  
Site Assembly  
Large front porch  
Type 2  
View A & D  
Installation Bolts  
Detail 1







#### QA Finished Checklist

Digital photos each execution task for QA verification and check off on drawing package

Install Porch Connector Bolts Grade 5 - 3/4" x 4" Torqued to minimum of 10 ft. lbs.

Bolt Count - 4

Install Connector Post Bolts Grade 5 - 3/4" x 6 1/2" Torqued to minimum of 10 ft. lbs.

Bolt Count - 4

Install Connector Post Bolts Grade 5 Rivnut- 3/8" x 1" Torqued to minimum of 10 ft. lbs.

Bolt Count - 4

#### FIELD NOTES

Porch Connectors  
Grade 5 Bolt & Nut 3/4" x 4"  
Bolts, torqued to minimum of 10 ft. lbs.

#### FIELD NOTES

Connector Posts  
Grade 5 Bolt & Nut 3/4" x 2"  
Bolts, torqued to minimum of 10 ft. lbs.

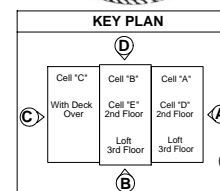
#### FIELD NOTES

Connector Posts  
Grade 5 Rivnut 3/8" x 1"  
Bolts, torqued to minimum of 10 ft. lbs.

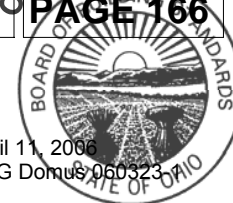


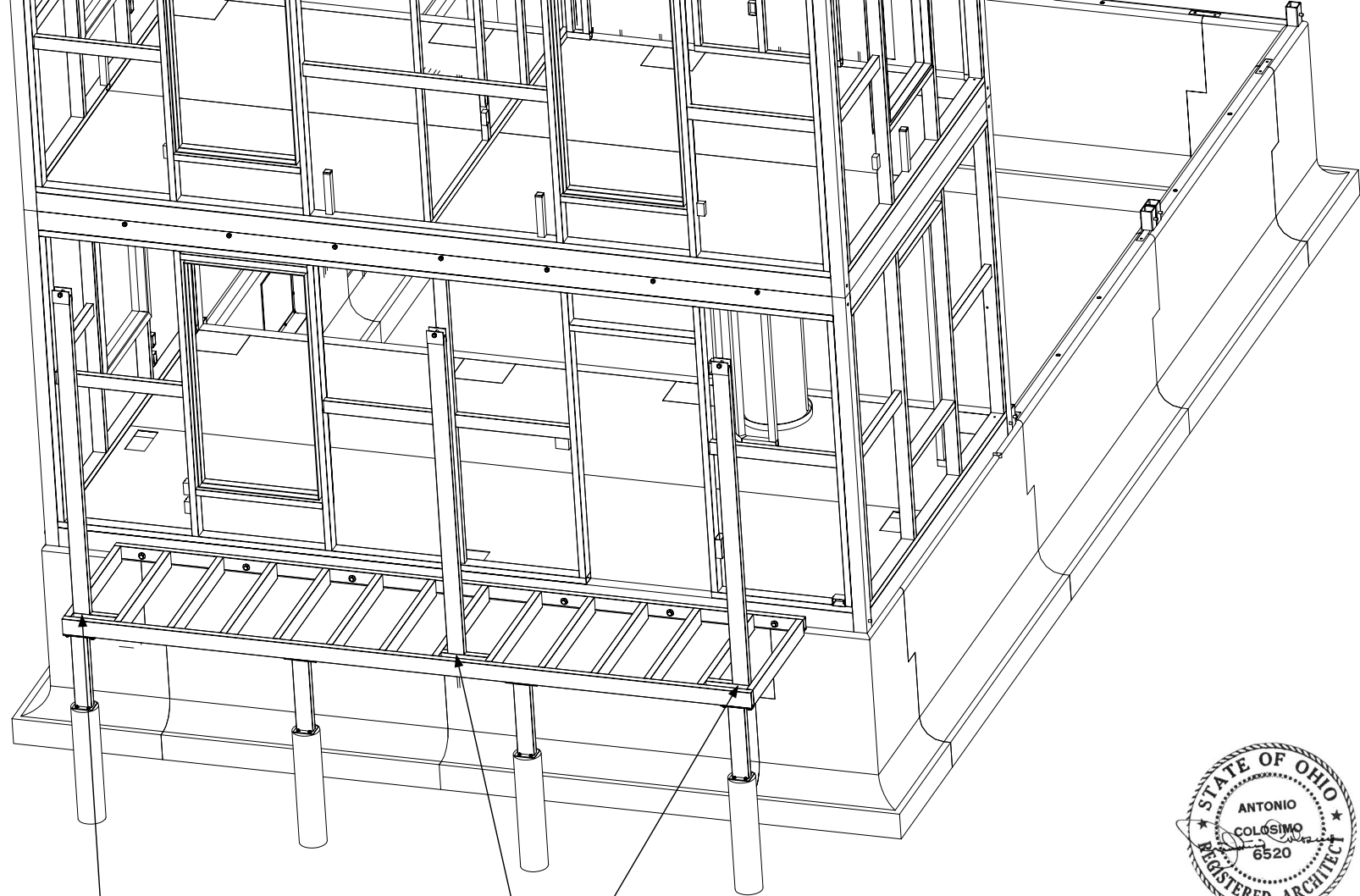
#### DRAWING

Site Assembly  
Large front porch  
Type 2  
View A & D  
Installation Bolts  
Detail 2



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#### QA Finished Checklist

Digital photos each execution task for QA verification and check off on drawing package

Install Porch Pillar Bolts  
Grade 5 - 3/4" x 6 1/2"  
Torqued to minimum of 10 ft. lbs.

Bolt Count - 6

#### FIELD NOTES

Pillar Connectors  
Grade 5 Bolt & Nut 3/4" x 6 1/2"  
Bolts, torqued to minimum of 10 ft. lbs.

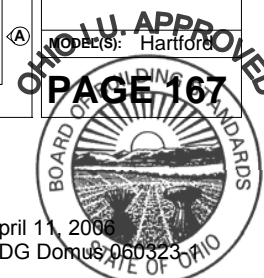
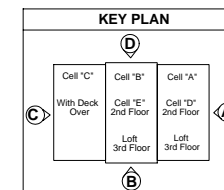
#### FIELD NOTES

Pillar Connectors  
Grade 5 Bolt & Nut 3/4" x 6 1/2"  
Bolts, torqued to minimum of 10 ft. lbs.

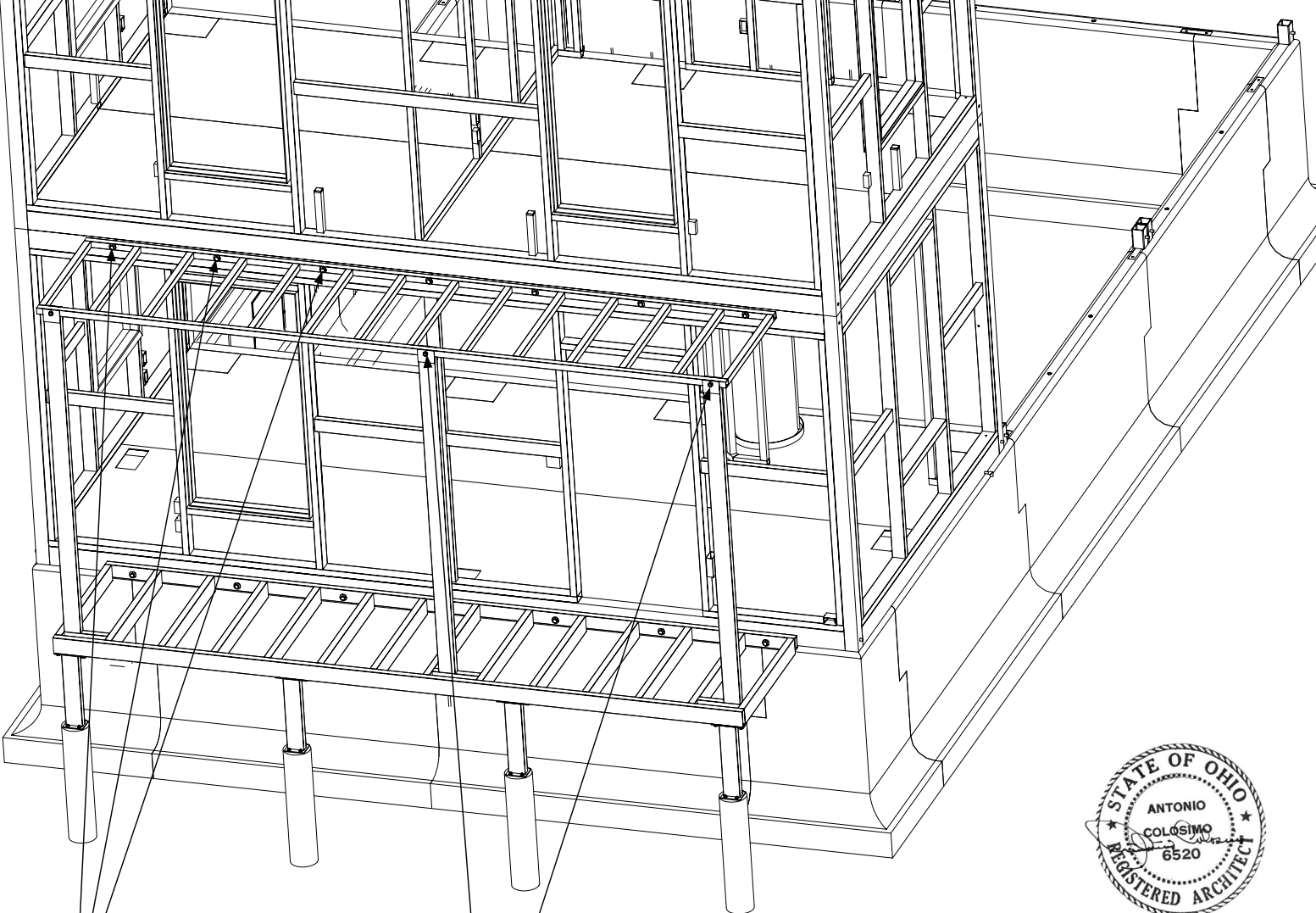


#### DRAWING

Site Assembly  
Large front porch  
Type 2  
View A & D  
Installation Bolts  
Detail 3



QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Install Roof Connectors Bolts Grade 5 - 3/4" x 3" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 7
	Install Roof Connector Bolts Grade 5 - 3/4" x 3" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 3



**FIELD NOTES**

Roof Connectors  
Grade 5 Bolt & Nut 3/4" x 3"  
Bolts, torqued to minimum of 10 ft. lbs.

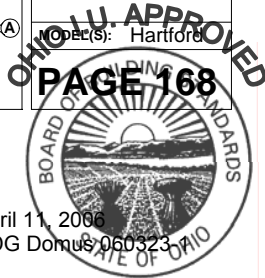
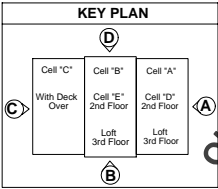
**FIELD NOTES**

Roof Connectors  
Grade 5 Bolt & Nut 3/4" x 3"  
Bolts, torqued to minimum of 10 ft. lbs.



**DRAWING**

Site Assembly  
Large front porch  
Type 2  
View A & D  
Installation Bolts  
Detail 4



QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to Roof Flashing
	Adhesive/Sealant applied to Porch Landing surfaces which contact Cell A
	Install Hand Rail Bolts Grade 5 - 3/8" x 4" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 2

FIELD NOTES
Flashing Detail Roof sealed with Silaprene Solidseal

FIELD NOTES
Porch Landing sealed with Silaprene Solidseal

FIELD NOTES
Hand rails Grade 5 Bolt & Nut 3/8" x 4" Bolts, torqued to minimum of 10 ft. lbs.



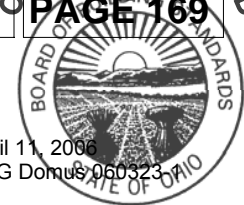
Pre-cast Steps



KEY PLAN		
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
	Loft 3rd Floor	Loft 3rd Floor

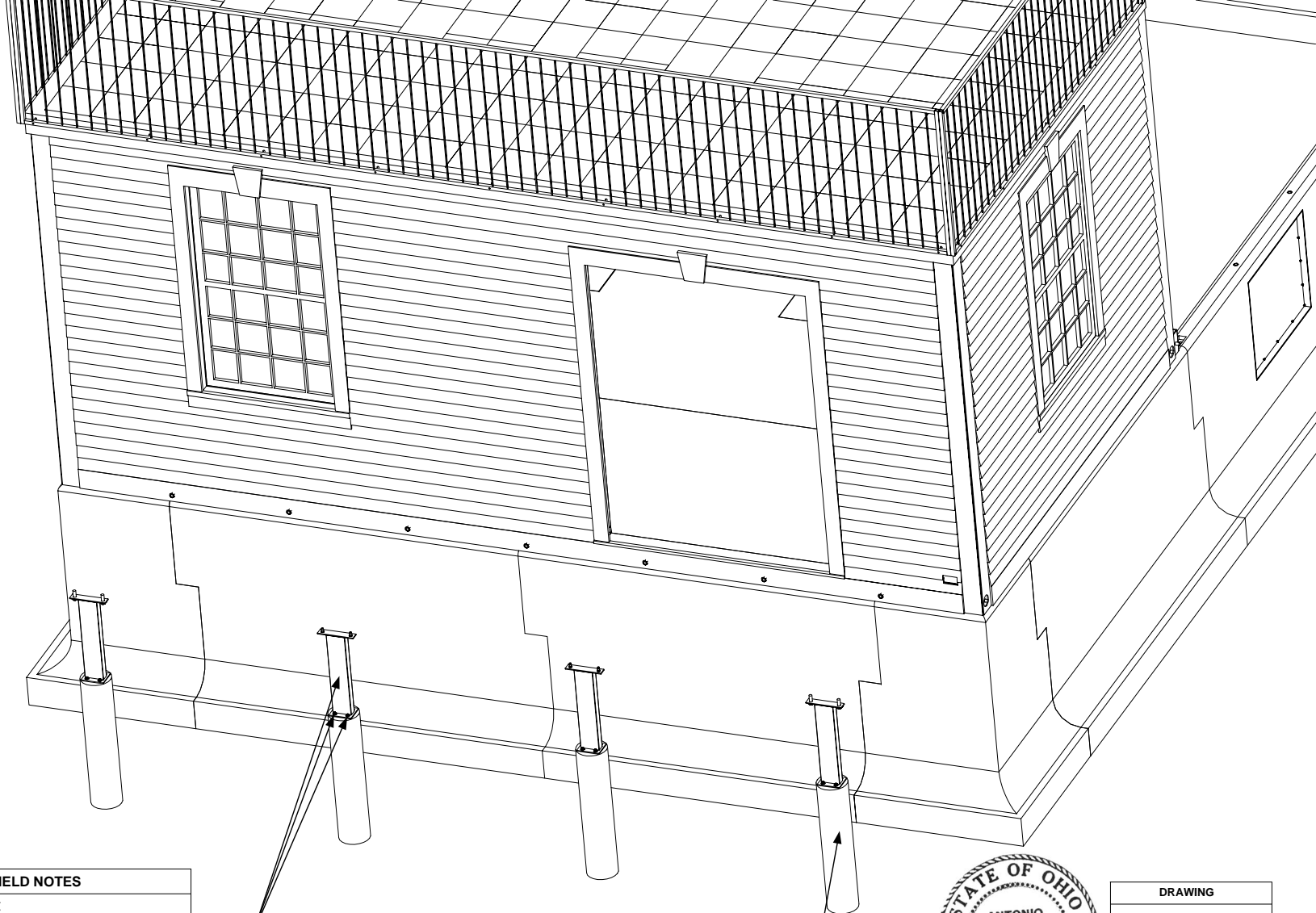
**DRAWING**  
Site Assembly  
Large front porch  
Type 2  
View A & D  
Finished  
Installation

DESIGNED BY: Hartford  
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QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Pilasters set in hole 6" x 36" deep, then back filled
	Pilaster Count - 4
	Install Connector Post Nuts Grade 5 - 3/8" Torqued to minimum of 10 ft. lbs.
	Nut Count - 16



**FIELD NOTES**

Connector Post  
Bolt grade 5 nut 3/8" to Grade 5 3/8" J bolt. Nuts torqued to minimum of 10 ft. lbs.

**FIELD NOTES**

Drill 6"x36" deep hole, tamp and place pilaster. Back fill hole once pilaster is placed

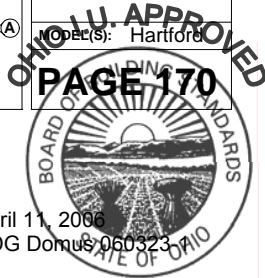


**KEY PLAN**

D		
Cell "C" With Deck Over	Cell "B" Cell "E" 2nd Floor	Cell "A" Cell "D" 2nd Floor
C	Loft 3rd Floor	Loft 3rd Floor
B		

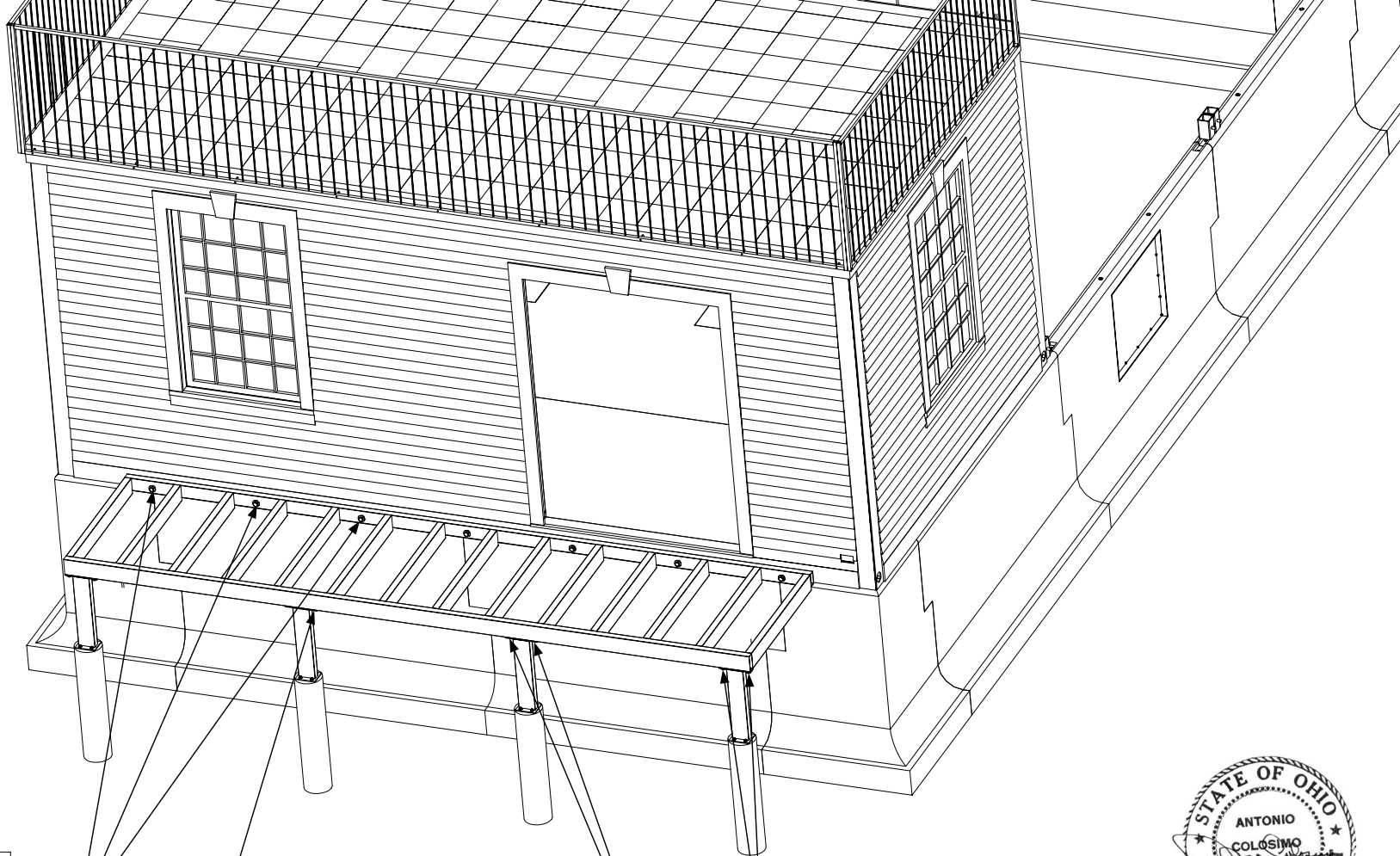
**DRAWING**

Site Assembly  
Rear Deck Type 1  
View C & B  
Installation Bolts  
Detail 1





QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Install Porch Connector Bolts Grade 5 - 3/4" x 4" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 4
	Install Connector Post Bolts Grade 5 - 3/4" x 6 1/2" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 4
	Install Connector Post Bolts Grade 5 Rivnut- 3/8" x 1" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 4



**FIELD NOTES**

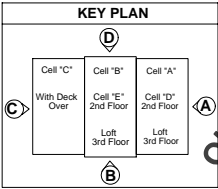
Deck Connectors  
Grade 5 Bolt & Nut 3/4" x 4"  
Bolts, torqued to minimum of 10 ft. lbs.

**FIELD NOTES**

Deck Connectors  
Grade 5 Rivnut 3/8" x 1"  
Bolts, torqued to minimum of 10 ft. lbs.

**FIELD NOTES**

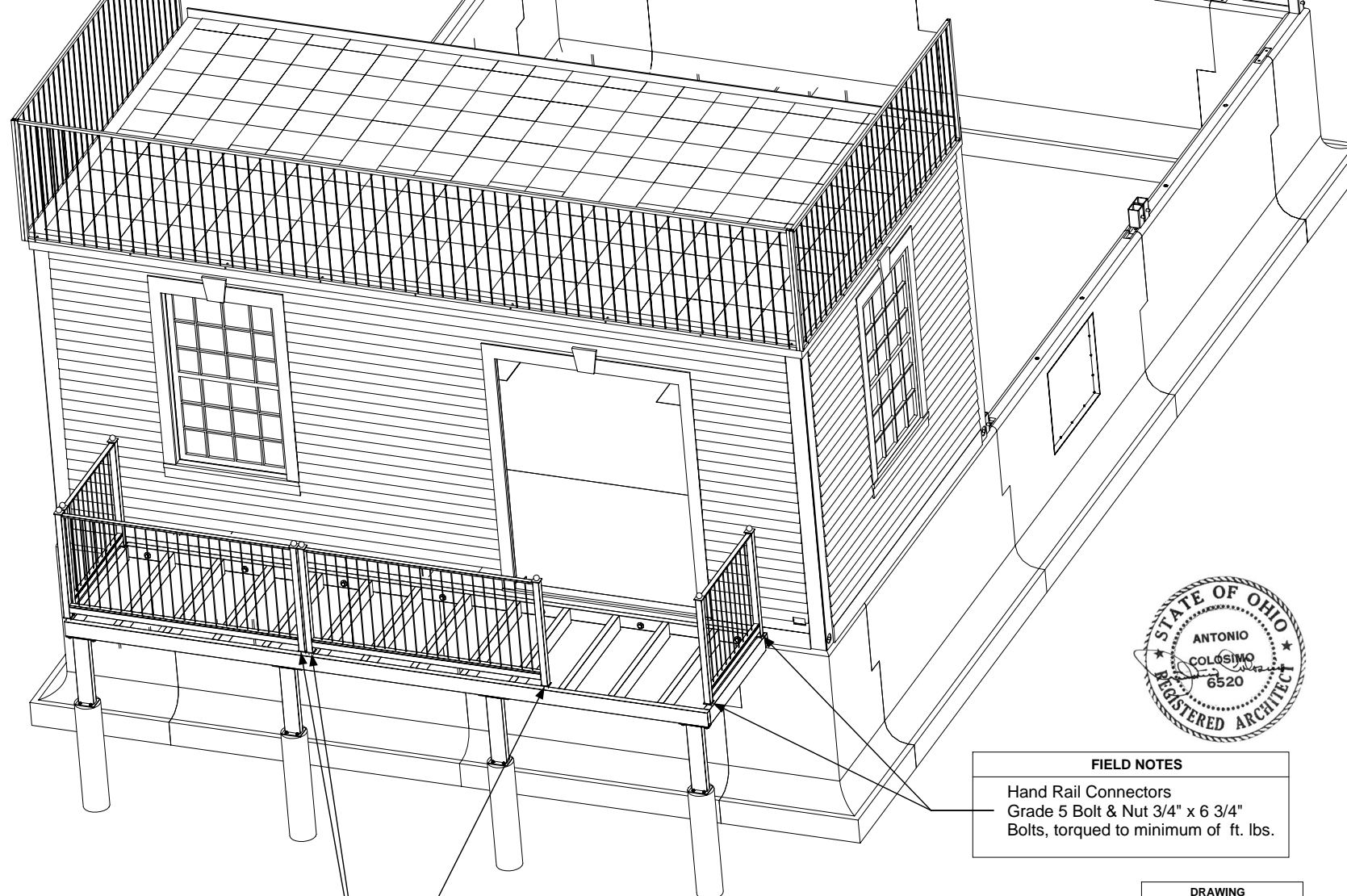
Deck Connectors  
Grade 5 Bolt & Nut 3/4" x 2"  
Bolts, torqued to minimum of 10 ft. lbs.



**DRAWING**

Site Assembly  
Rear Deck Type 1  
View C & B  
Installation Bolts  
Detail 2





#### QA Finished Checklist

Digital photos each execution task for QA verification and check off on drawing package

Adhesive/Sealant applied to Hand Rail bolts

Bolt Count - 8

Install Hand Rail Connector Bolts Grade 5 - 3/4" x 6 3/4" Torqued to minimum of 10 ft. lbs.

Bolt Count - 8



#### FIELD NOTES

Hand Rail Connectors  
Grade 5 Bolt & Nut 3/4" x 6 3/4"  
Bolts, torqued to minimum of ft. lbs.

#### FIELD NOTES

Hand Rail Connectors  
Grade 5 Bolt & Nut 3/4" x 6 3/4"  
Bolts, torqued to minimum of 10 ft. lbs.

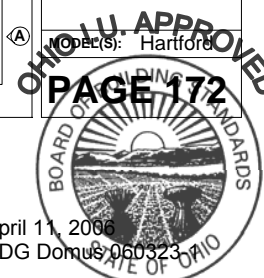
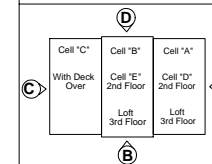
#### FIELD NOTES

Silaprene Solidseal applied to hand rail bolts before fastening

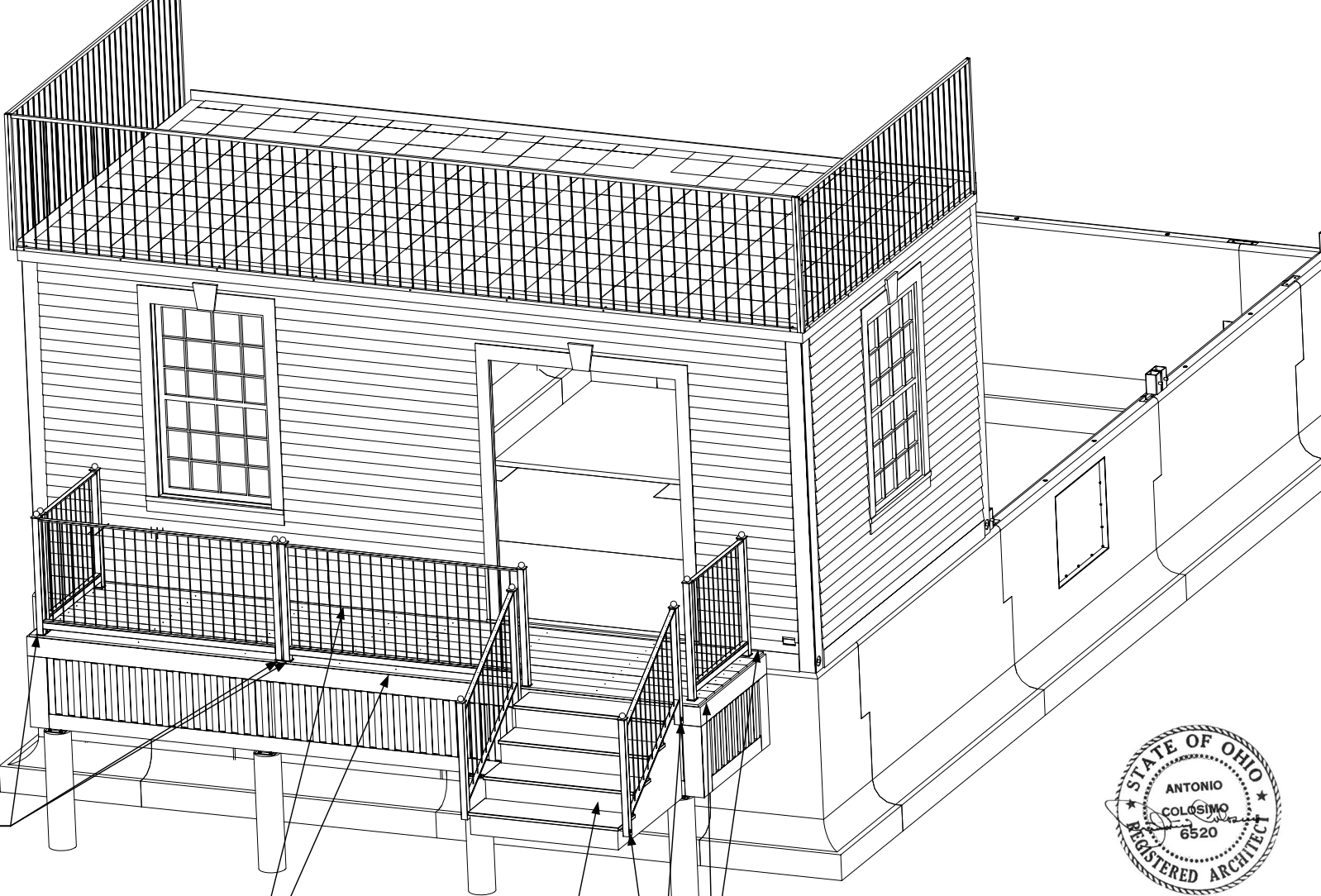
#### DRAWING

Site Assembly  
Rear Deck Type 1  
View C & B  
Installation Bolts  
Detail 3

#### KEY PLAN



QA Finished Checklist	
	Digital photos each execution task for QA verification and check off on drawing package
	Adhesive/Sealant applied to Hand Rail bolts
	Adhesive/Sealant applied to Rear Deck Landing surfaces which contact Cell C
	Install Hand Rail Bolts Grade 5 - 3/8" x 4" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 2



**FIELD NOTES**

Silaprene Solidseal applied to hand rail bolts before fastening

**FIELD NOTES**

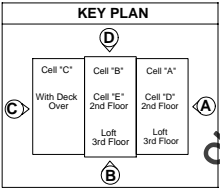
Rear deck landing sealed with Silaprene Solidseal

**FIELD NOTES**

Hand rails  
Grade 5 Bolt & Nut 3/8" x 4"  
Bolts, torqued to minimum of 10 ft. lbs.

**FIELD NOTES**

Rear deck landing sealed with Silaprene Solidseal



**DRAWING**

Site Assembly  
Rear Deck Type 1  
View C & B  
Finished  
Installation

DESIGNED BY: Hartford





**Open back staircase:**  
Riser opening is 3 7/8" after  
floor covering is applied.

#### FIELD NOTES

Grade 5 Rivnut 3/8" x 1"  
Bolts, torqued to a minimum of 10 ft.  
lbs.

#### FIELD NOTES

Walls Bonded with Weldon SS304  
Adhesive

#### FIELD NOTES

Walls Bonded with Weldon SS304  
Adhesive

#### QA Finished Checklist

Digital photos each  
execution task for QA  
verification and check off on  
drawing package

Weldon SS304  
Sealant/Adhesive applied to  
all Walls

Wall Count - 5

Install Wall Rivnuts Grade 5  
- 3/8" x 1" Torqued to  
minimum of 10 ft. lbs.

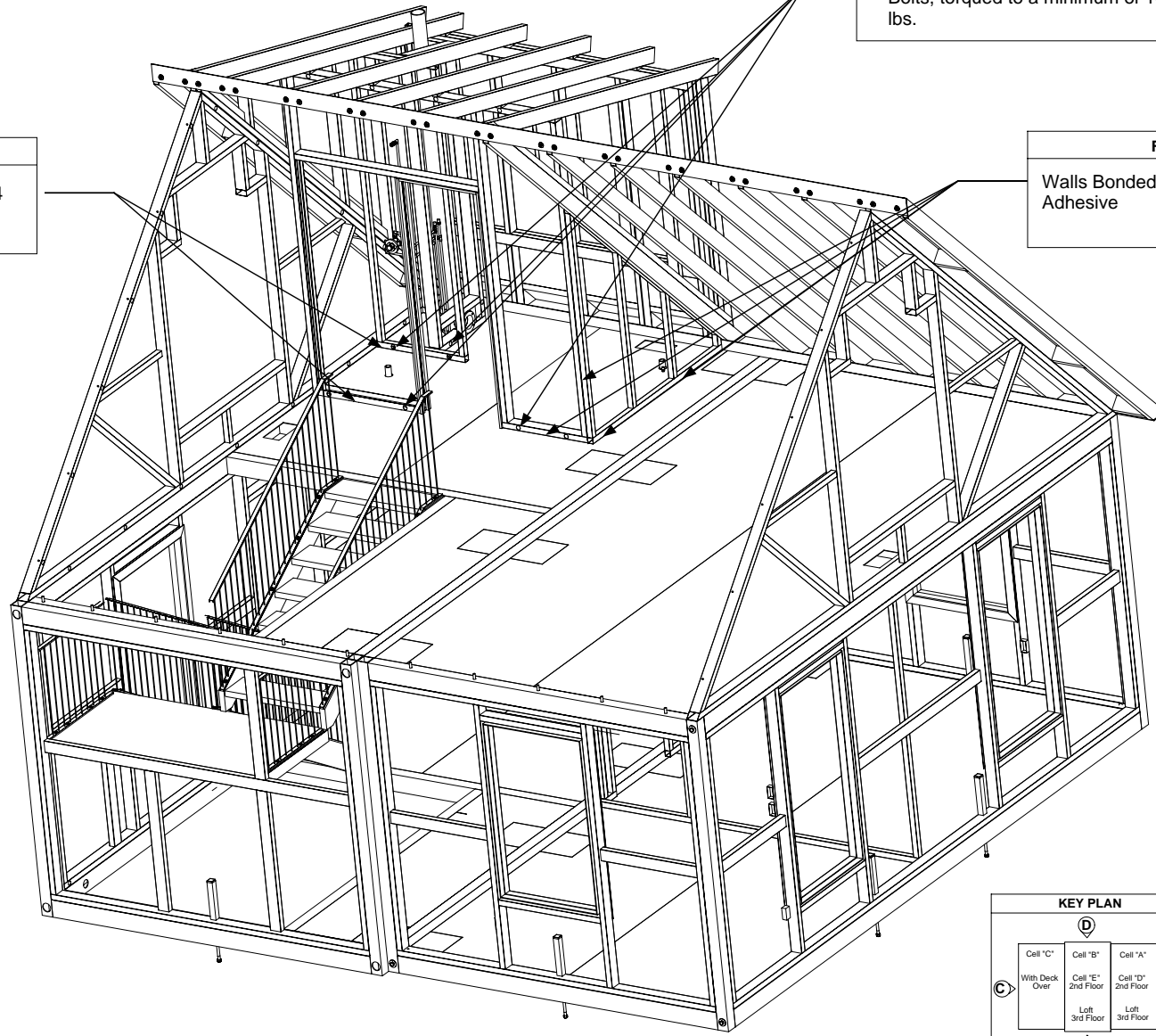
Bolt Count - 10

Plumbing reconnection

Electrical reconnection

Electrical test

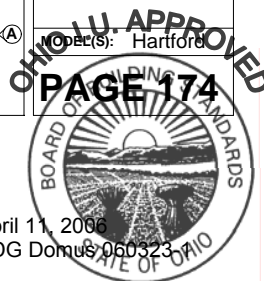
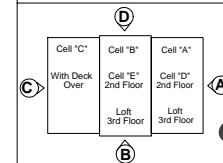
Plaster work: Embed  
elastomeric plaster and  
tape



#### DRAWING

Site Assembly  
Third Floor Bath  
Type 1  
View A & B  
Wall Installation  
Detail 1

#### KEY PLAN



**Open back staircase:**  
Riser opening is 3 7/8" after  
floor covering is applied.

**FIELD NOTES**

Shower stall Bonded with Weldon  
SS304 Adhesive

**FIELD NOTES**

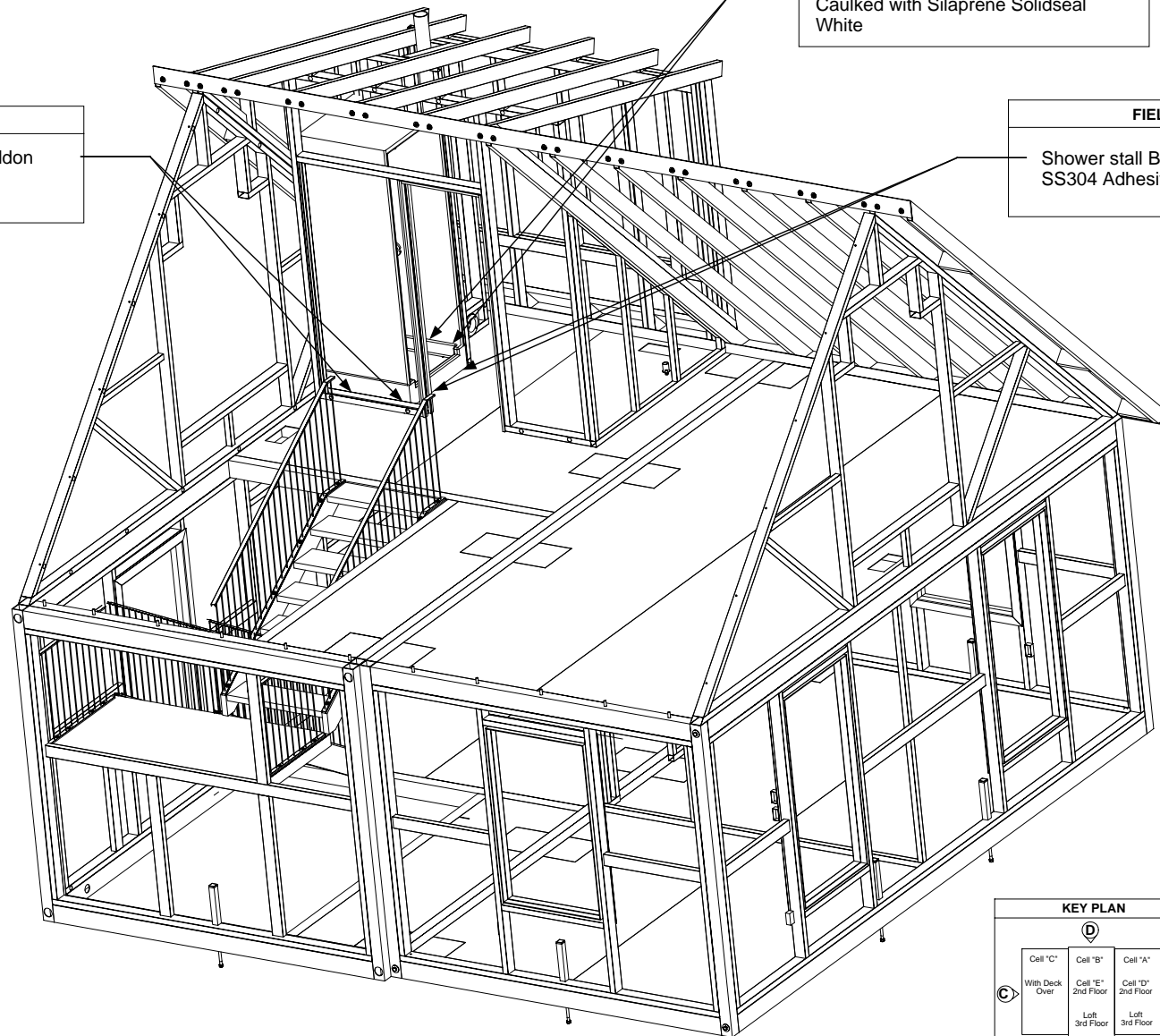
Flange coupler for shower stall  
Caulked with Silaprene Solidseal  
White

**FIELD NOTES**

Shower stall Bonded with Weldon  
SS304 Adhesive

**QA Finished Checklist**

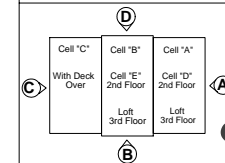
	Digital photos each execution task for QA verification and check off on drawing package
	Weldon SS304 Sealant/Adhesive applied to Shower Stall
	Silaprene Solidseal (White) Sealant/Adhesive applied to Flange Coupler
	Plumbing reconnection



**DRAWING**

Site Assembly  
Third Floor Bath  
Type 1  
View A & B  
Shower Installation  
Detail 2

**KEY PLAN**



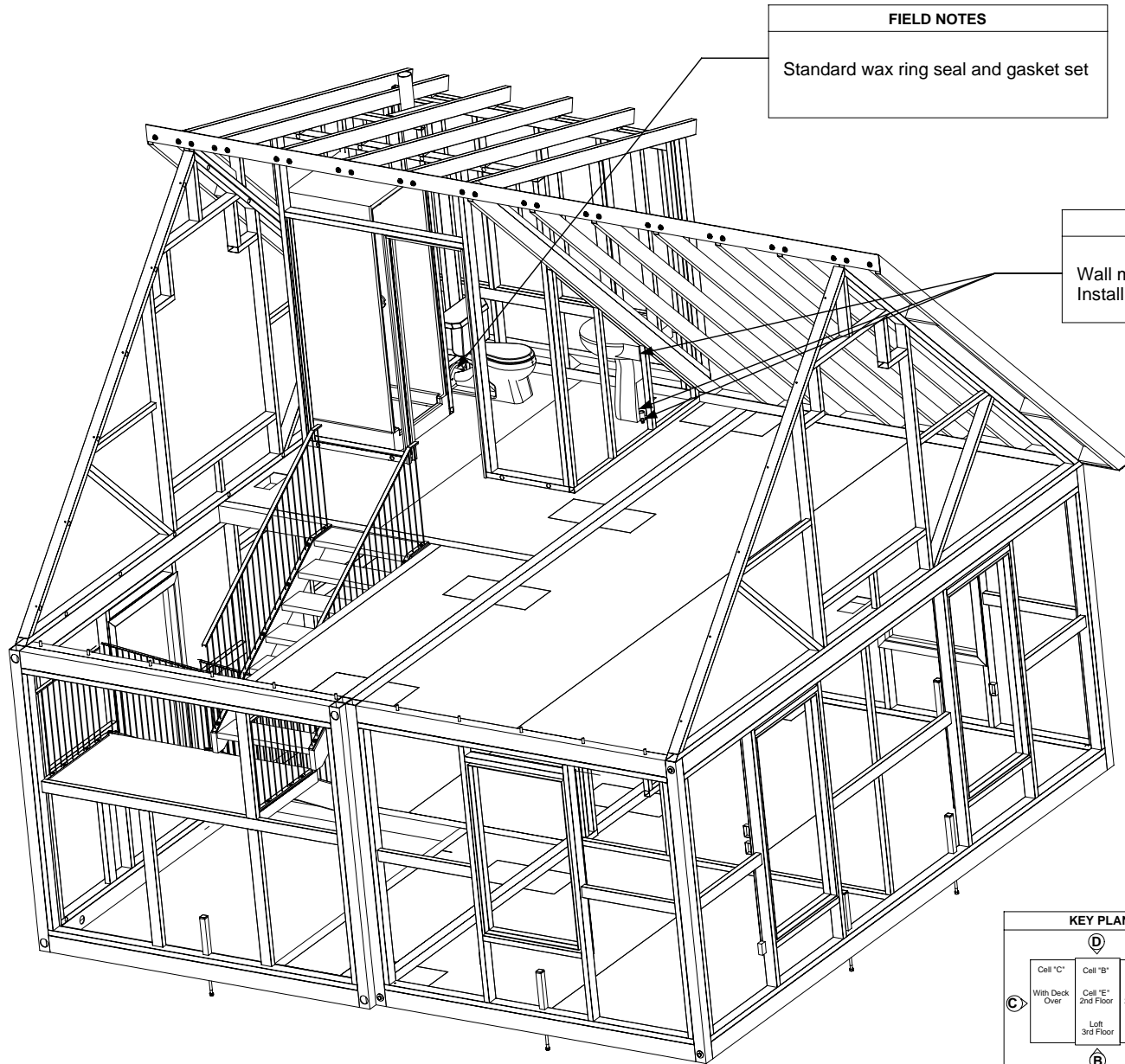
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### QA Finished Checklist

	Digital photos each execution task for QA verification and check off on drawing package
	Standard Wax ring and gasket set installed
	Install Wall Rivnuts Grade 5 - 3/8" x 1" Torqued to minimum of 10 ft. lbs.
	Bolt Count - 2
	Install Flex Hoses to sink
	Plumbing test
	Electrical test



### FIELD NOTES

Standard wax ring seal and gasket set

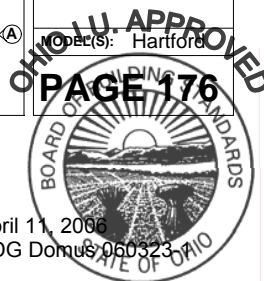
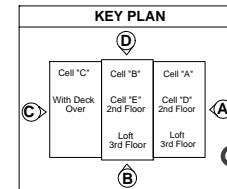
### FIELD NOTES

Wall mount and floor mount 3/8" Rivnut  
Install flex hoses to sink

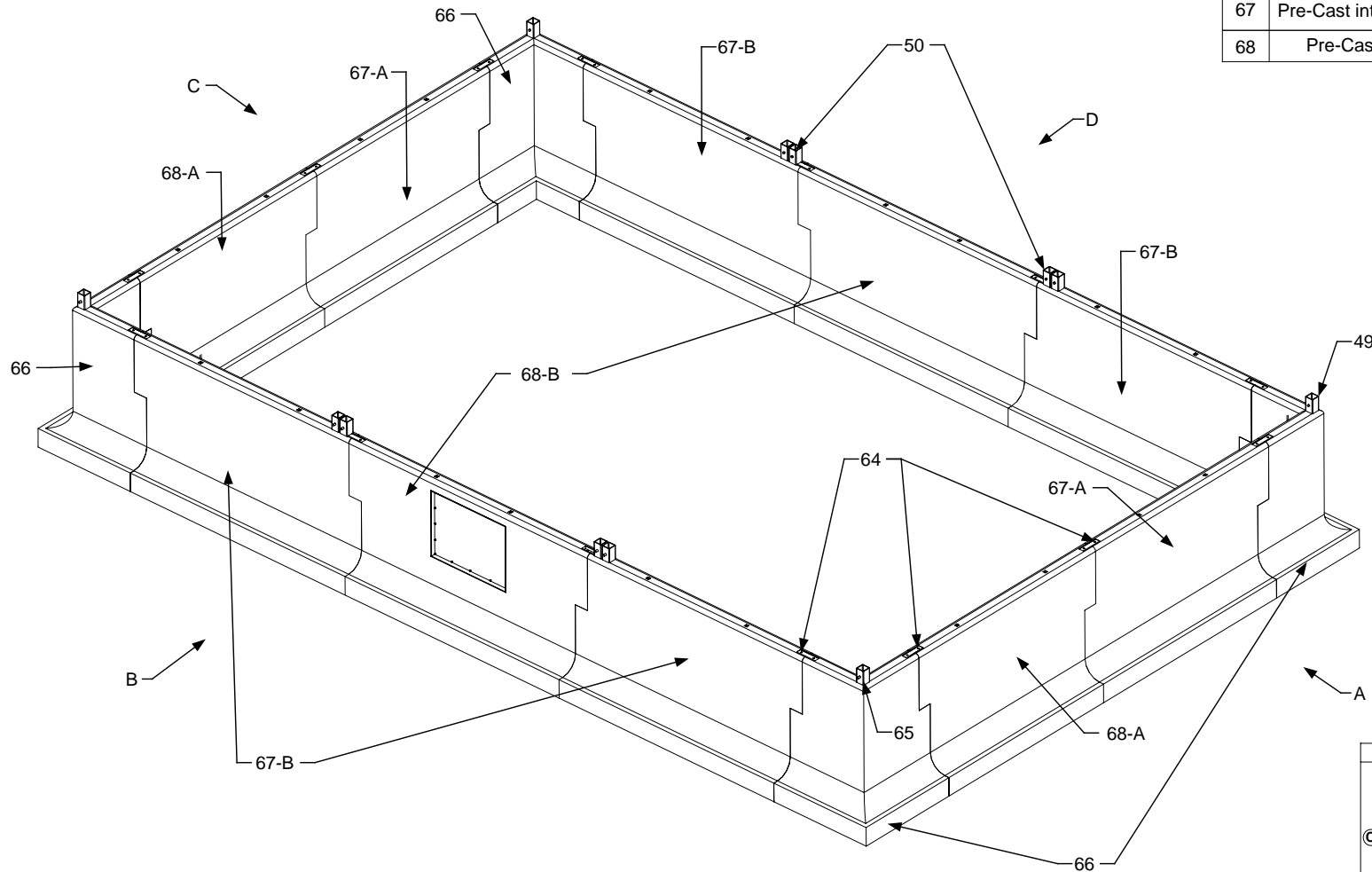


### DRAWING

Site Assembly  
Third Floor Bath  
Type 1  
View A & B  
Toilet and Sink  
Installation  
Detail 3



49	Corner Connector Pin
50	Intermediate Connector Pin
64	Locking pins
65	Bolt connector pin
66	Pre-Cast corner Foundation
67	Pre-Cast intermediate Foundation
68	Pre-Cast Key Foundation



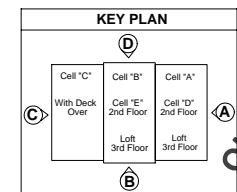
DRAWING

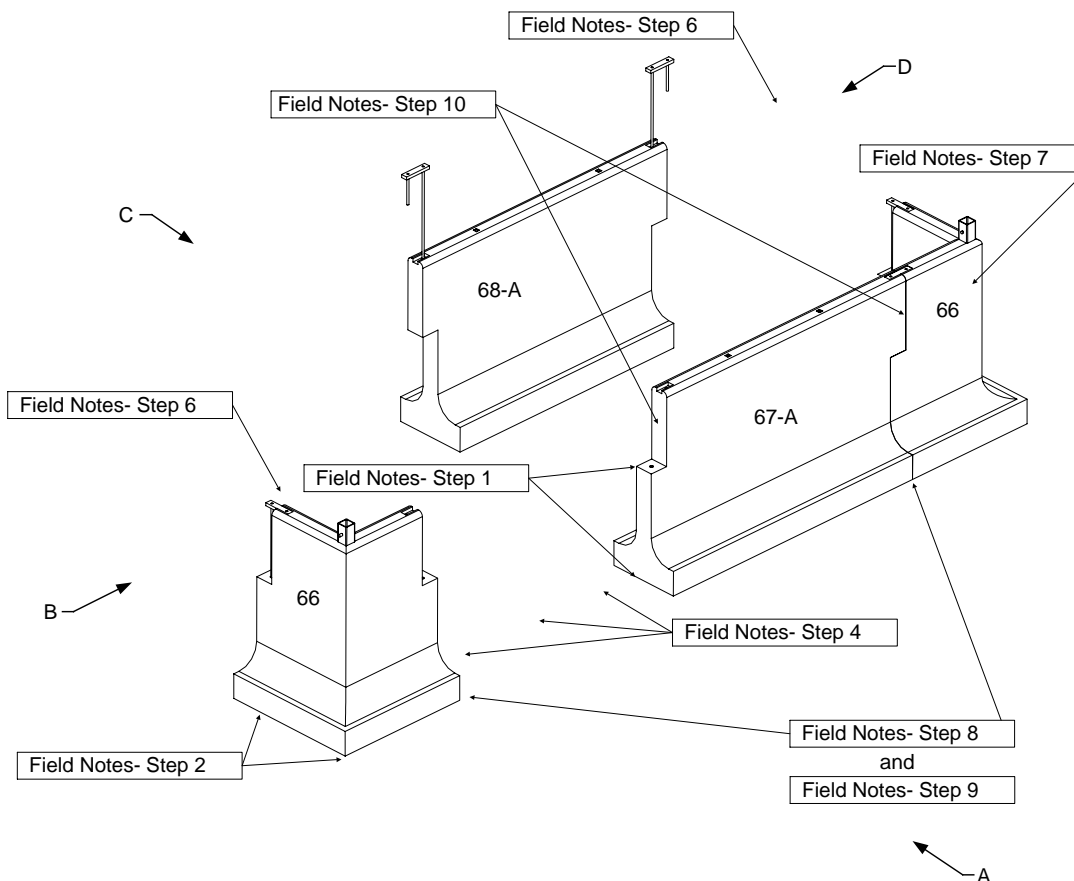
Continuous  
Foundation  
Part Identification  
Type 1

DESIGNED BY: Hartford

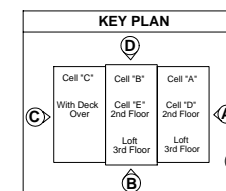
DATE: 11/11/06

PROJECT: 060323





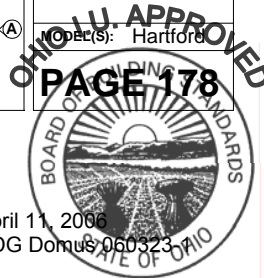
	Field Notes
Step 1	Dig foundation trench 24" wide to a depth of 36" or state requirements
Step 2	Shoot grade and drive steel stakes into the ground to establish correct height
Step 3	After level grade has been achieved use clean fill earth to fill voids in between stakes. Rake until level
Step 4	Using vibratory compactor "Ram Compactor" which compacts soil to a minimum of 1.5 tons of forces. Compact soil evenly around the foundation
Step 5	Re-shoot to check grade level in the foundation trench. If under grade has taken place using clean fill earth fill void and rake level. Continue process until the entire foundation trench meets standard
Step 6	Cover crawl space area with vapor barrier. Allow vapor barrier to drape into foundation trench with the edge of barrier sheet touching bottom of the foundation trench
Step 7	Set number 66 pre-cast corner foundation section using a laser line to check level and square
Step 8	Set number 66 pre-cast corner foundation section at the opposing end of trench at a distance of 178" from base of corner foundation. Using a laser line to check level and square
Step 9	Check by laser for alignment between the two components
Step 10	Apply sealant to number 67-A pre-cast intermediate foundations using (Silaprene Solidseal) apply on all surface, which contact other concrete

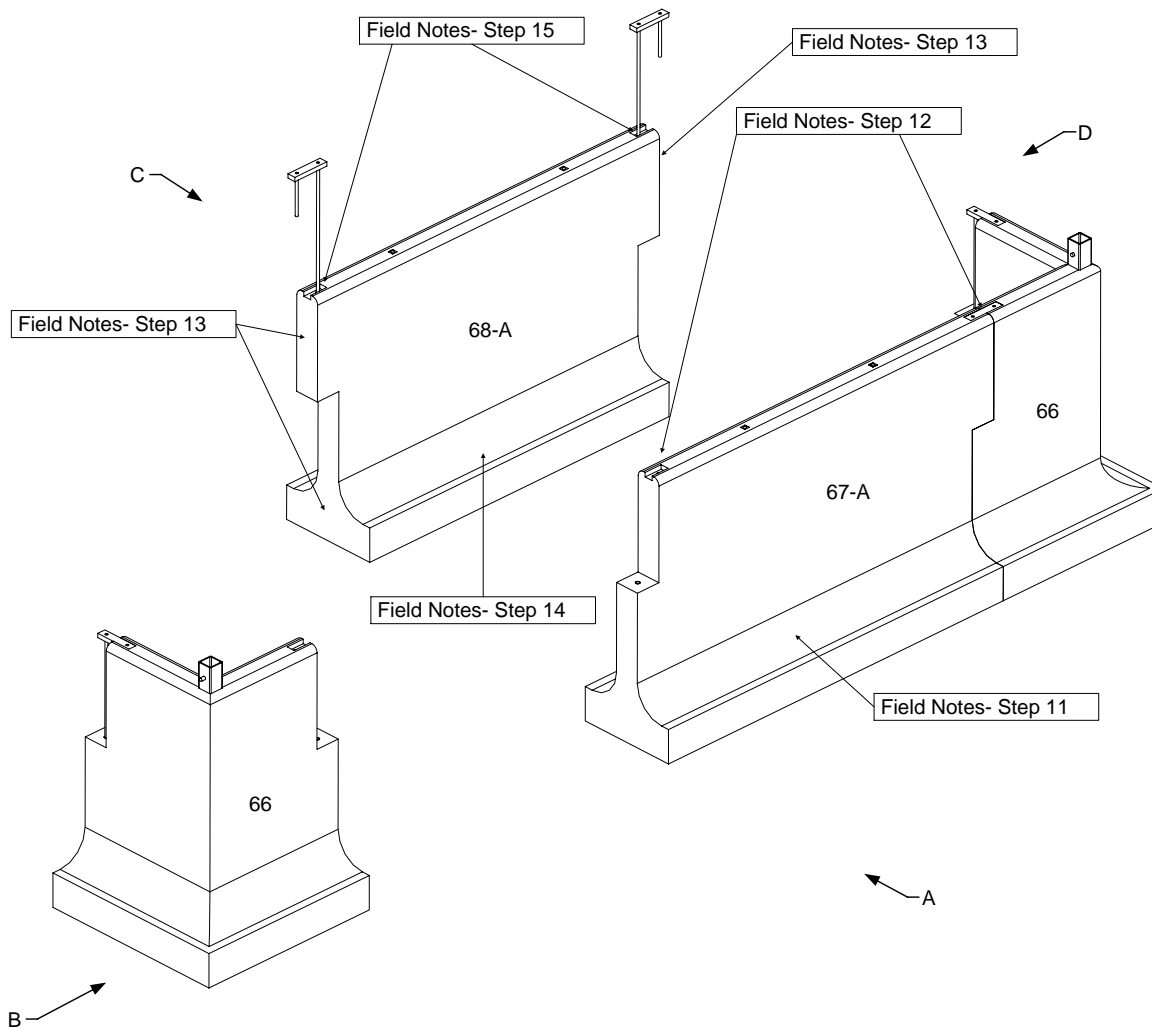


DRAWING

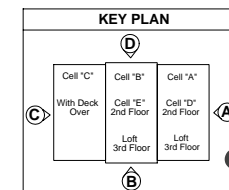
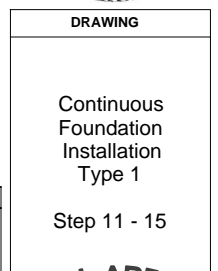
Continuous Foundation Installation Type 1

Step 1 - 10





	Field Notes
Step 11	Set number 67-A pre-cast intermediate foundation section. Using a laser line to check level and square
Step 12	Check alignment of the (Locking pin holes) If the holes align, move to the next step.
Step 13	Apply sealant to number 68-A pre-cast key foundations using (Silaprene Solidseal) apply on all surface, which contact other concrete
Step 14	Set number 68-A pre-cast key foundation section. Using a laser line to check level and square
Step 15	Check alignment of the (Locking pin holes) If the holes align, move to the next step.

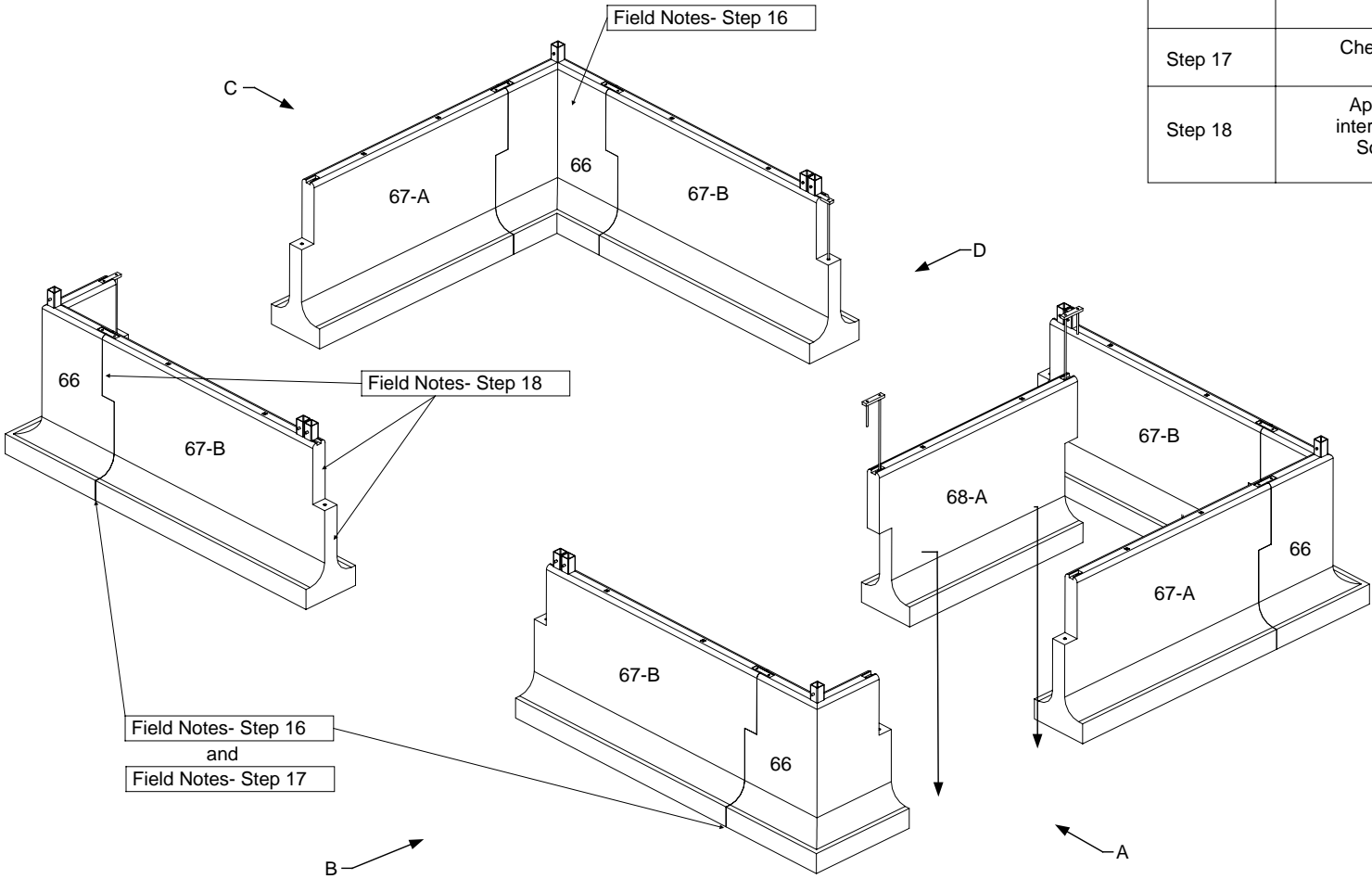


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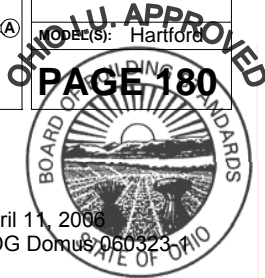
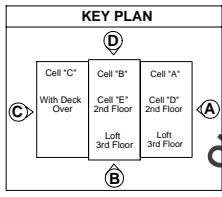
	Field Notes
Step 16	Set number 66 pre-cast corner foundation section at the opposing end of trench at a distance of 314" from base of corner foundation. Using a laser line to check level and square
Step 17	Check by laser for alignment between the two components
Step 18	Apply sealant to number 67-B pre-cast intermediate foundations using (Silaprene Solidseal) apply on all surface, which contact other concrete



DRAWING

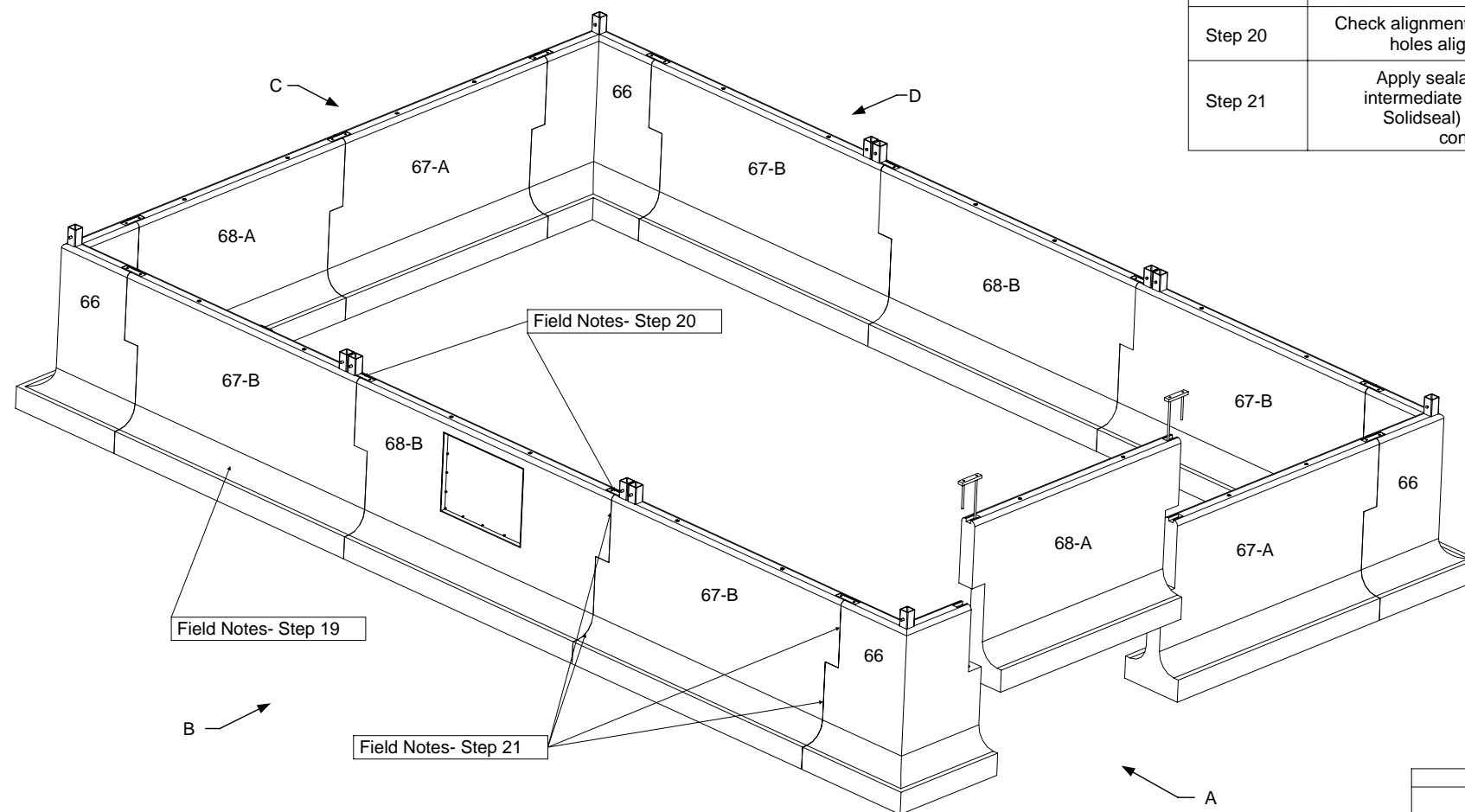
Continuous Foundation Installation Type 1

Step 16 - 18





	Field Notes
Step 19	Set number 67-B pre-cast intermediate foundation. Using a laser line to check level and square
Step 20	Check alignment of the (Locking pin holes) If the holes align, move to the next step.
Step 21	Apply sealant to number 67-B pre-cast intermediate foundations using (Silaprene Solidseal) apply on all surface, which contact other concrete

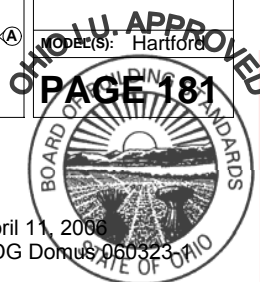
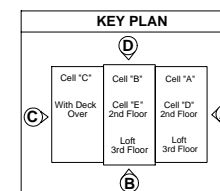


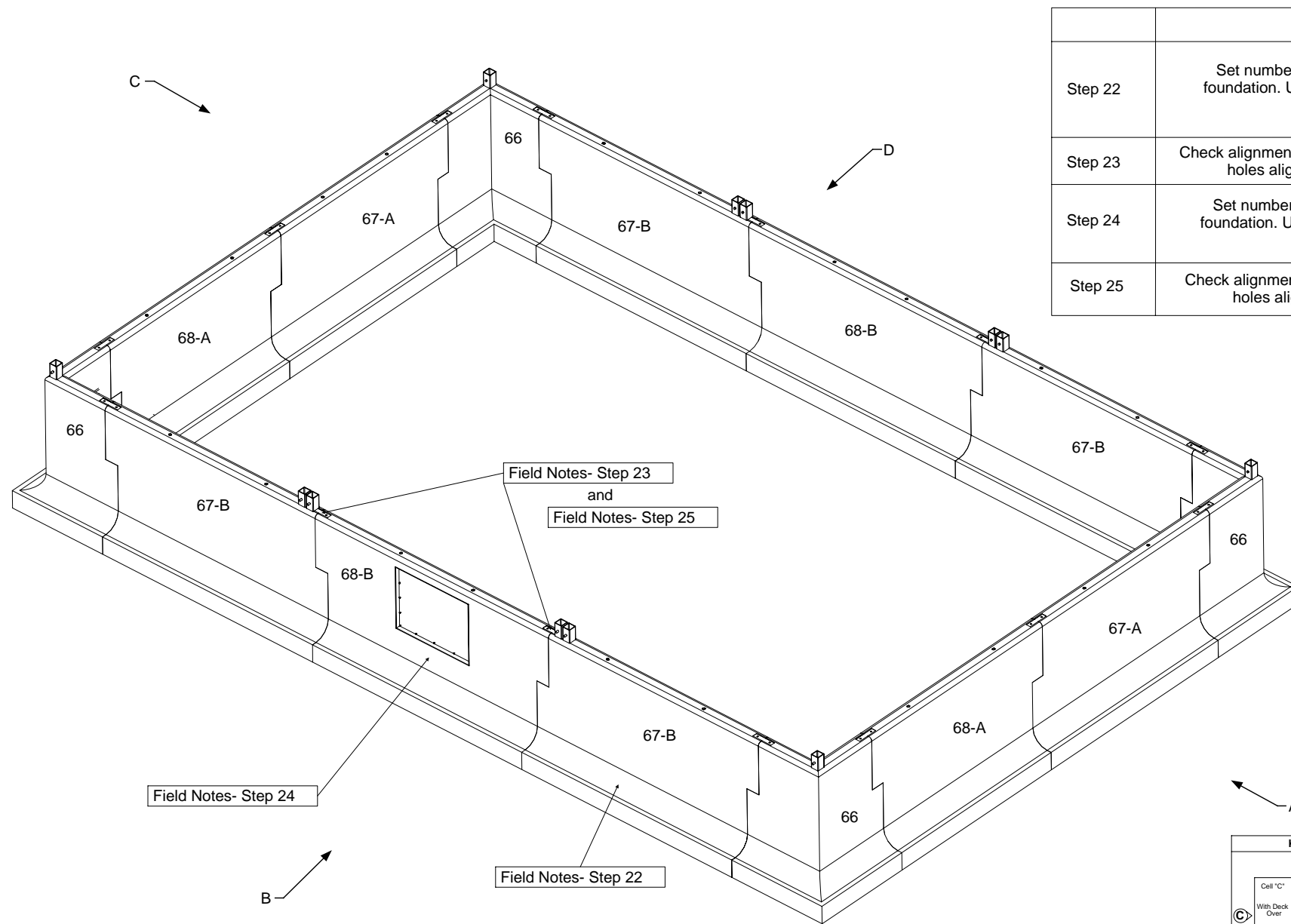
# DRAWING

Continuous  
Foundation  
Installation  
Type 1

Step 19 - 21

DESIGNED BY: Hartford





	Field Notes
Step 22	Set number 67-B pre-cast intermediate foundation. Using a laser line to check level and square
Step 23	Check alignment of the (Locking pin holes) If the holes align, move to the next step.
Step 24	Set number 68-B pre-cast intermediate foundation. Using a laser line to check level and square
Step 25	Check alignment of the (Locking pin holes) If the holes align, move to the next step.

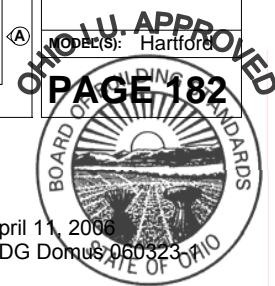
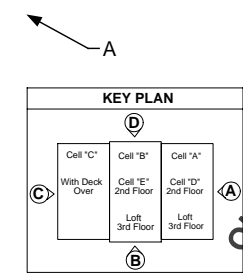


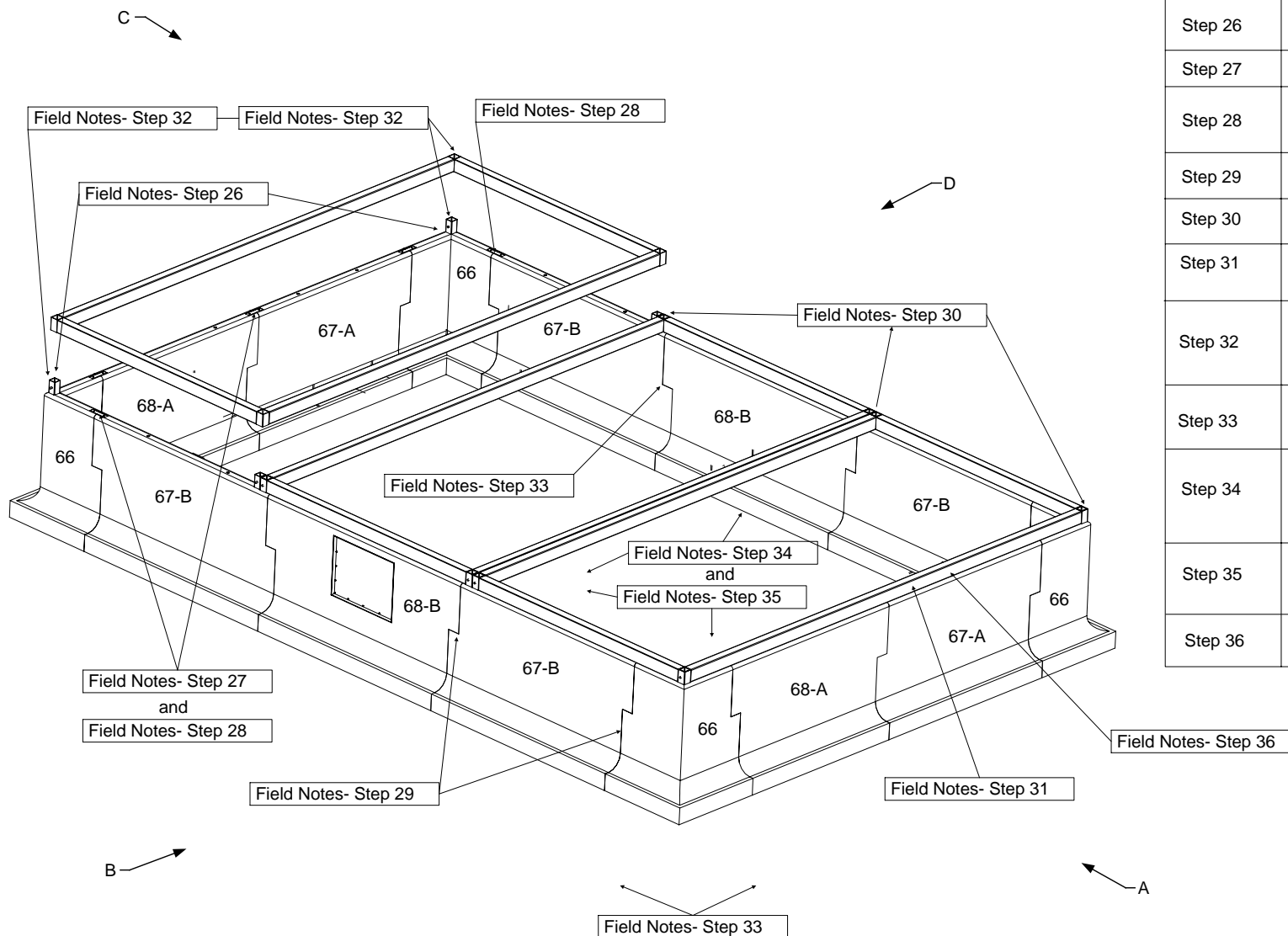
DRAWING

Continuous Foundation Installation Type 1

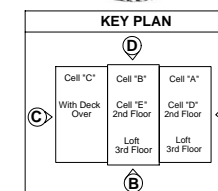
Step 22 - 25

DESIGNED BY: Hartford





	Field Notes
Step 26	Check foundation using a laser line to check level and square
Step 27	Check alignment of the (Locking pin holes)
Step 28	Fill Locking pin holes with Epoxy and set #64 Locking pins in place (there are 14 locking pins)
Step 29	Wipe access sealant from outside edge
Step 30	Bolt in place Connector pins (There are 12 pins)
Step 31	Mount foundation connector alignment tool onto foundation
Step 32	Align connector pins and torque down to 25 Ft. Lbs. (Leave alignment tool on foundation during back fill procedure)
Step 33	Back fill with clean earth to grade around foundation both inside and out
Step 34	Using vibratory compactor "Ram Compactor" which compacts soil to a minimum of 1.5 tons of forces. Compact soil evenly around the foundation inside and out
Step 35	Using clean pee gravel place 2" x 4" topping on the vapor barrier in the crawl space area. Rake gravel level
Step 36	Leave alignment tool on foundation until home arrives



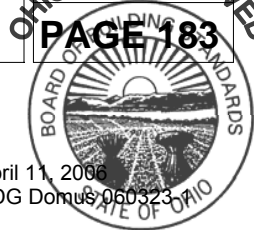
DRAWING

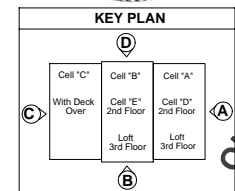
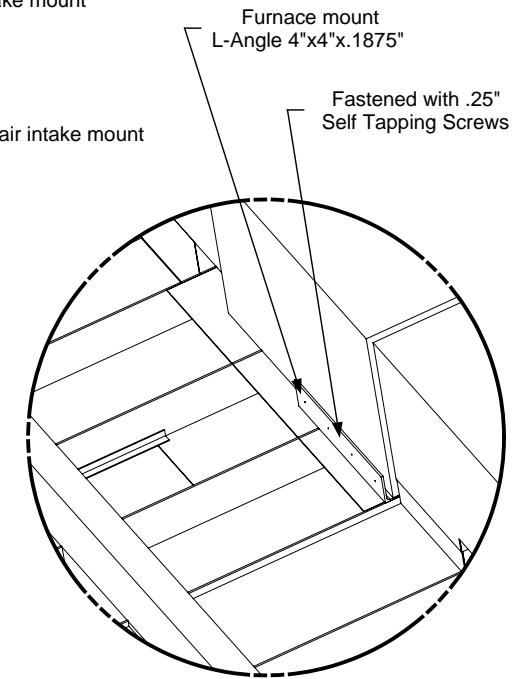
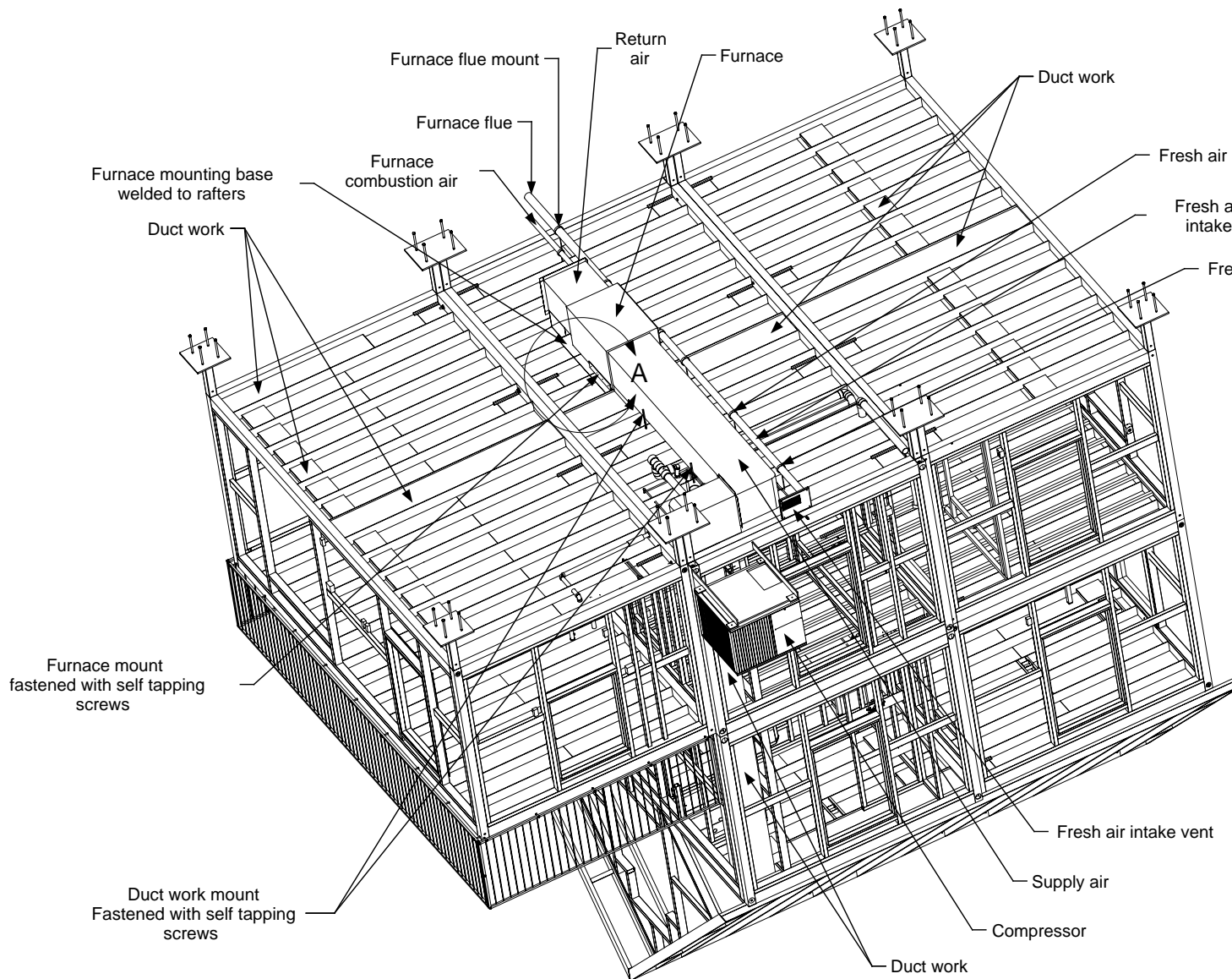
Continuous Foundation Installation Type 1

Step 26 - 36

APPROVED

DATE(S): Hartford





DRAWING

Manufacturing  
Cell B  
Assembly-Cell  
HVAC installation  
Bottom view  
(Type 2)

DESIGNED BY: Hartford

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#### FIELD NOTES

Foundation mounting points  
Ref: Page 183 Home mounts the same as (Continuous foundation)  
Type 1

#### FIELD NOTES

uniroyal Silaprene  
Adhesive/Sealant applied to surfaces of Home and concrete foundation. Apply sealant to all edges around the foundation and the home.

Cutaway of poured in place basement and foundation (Typical)

#### FIELD NOTES

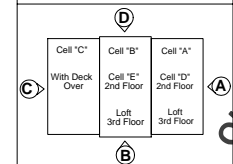
Basement Staircase Installation  
Install 3 major parts installation in the following order

1. Staircase landing
2. Upper staircase
3. Lower staircase

#### DRAWING

Basement Installation  
(Typical)  
Block / Poured in place  
Staircase

#### KEY PLAN



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PAGE 185



**Basement staircase components**

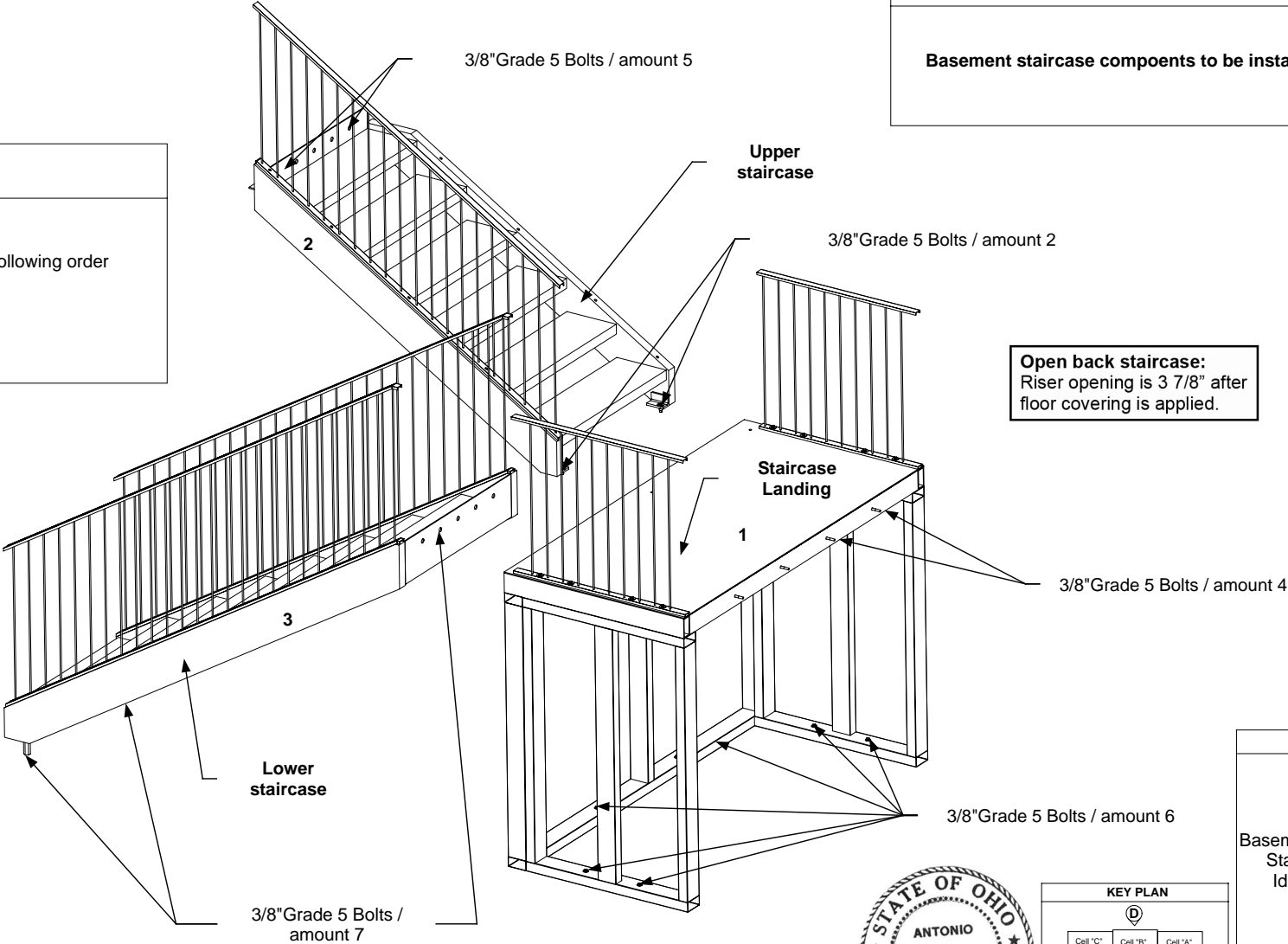
**FIELD NOTES**

**Basement staircase components to be installed**

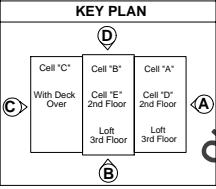
**FIELD NOTES**

Basement Staircase Installation  
Install 3 major parts installation in the following order

1. Staircase landing
2. Upper staircase
3. Lower staircase



**Open back staircase:**  
Riser opening is 3 7/8\" after floor covering is applied.

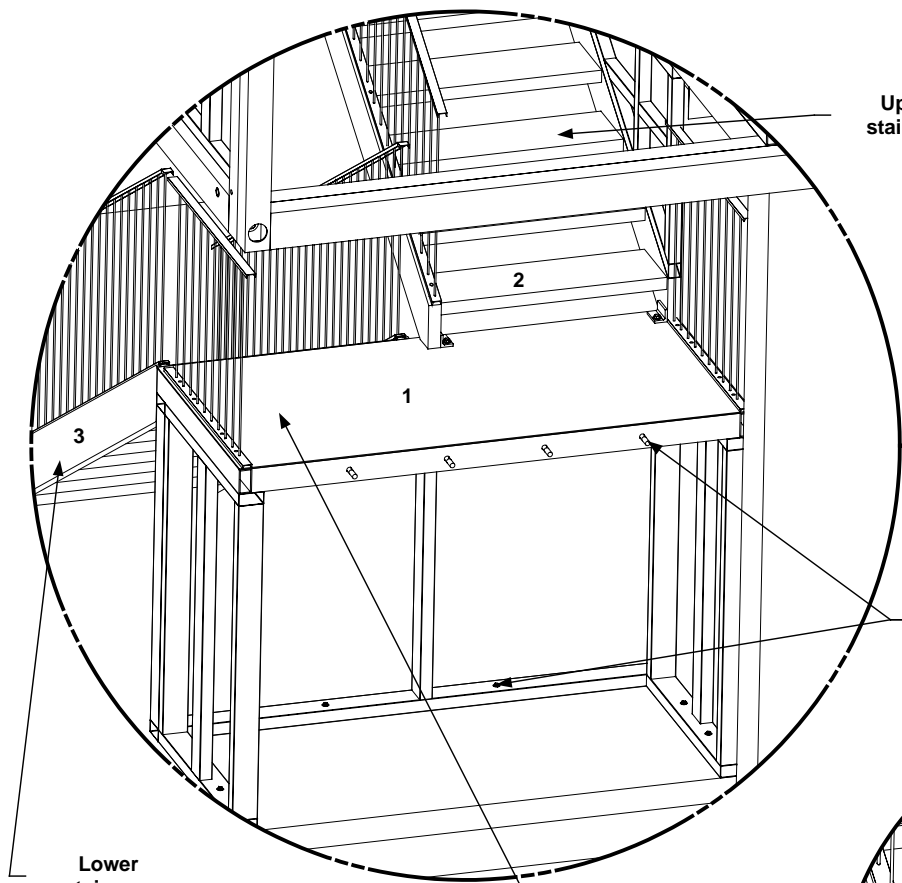


**DRAWING**

Basement Installation  
Staircase Part  
Identification

DESIGNED BY: Hartford  
CHECKED BY: Hartford

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**PAGE 186**



Lower staircase

Staircase Landing

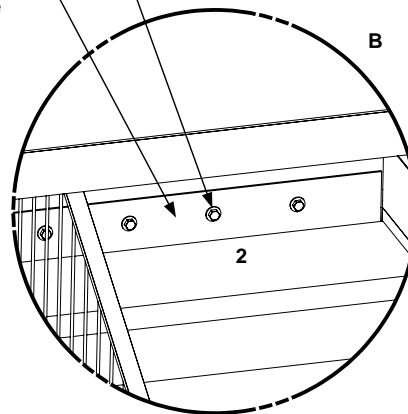
Basement Staircase Installation  
Install 3 major parts installation in the following order

1. Staircase landing
2. Upper staircase
3. Lower staircase

Upper staircase

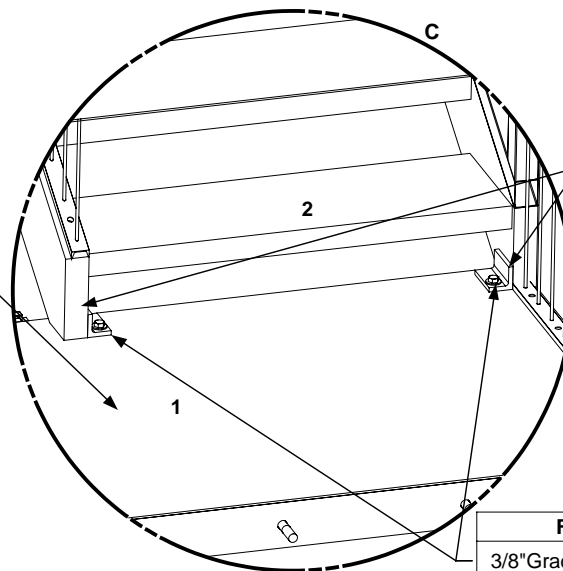
#### FIELD NOTES

3/8" Grade 5 Bolts / amount 5 Upper staircase fastening to frame of home



#### FIELD NOTES

3/8" Grade 5 Bolts / amount 10 Landing to wall / floor fastening using concrete (Tapcon)

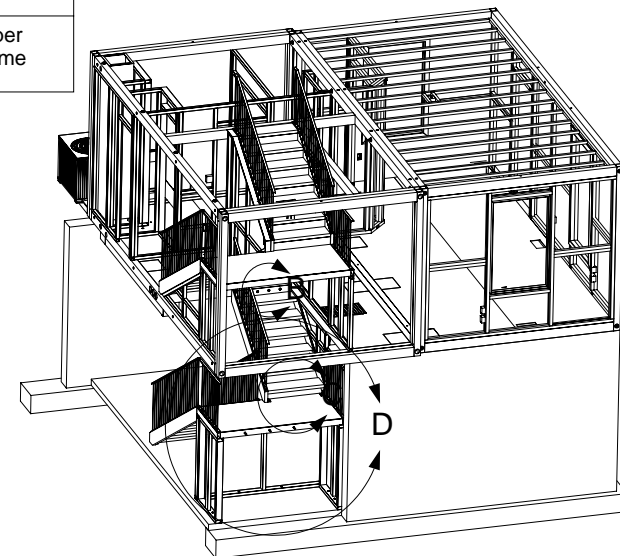


#### FIELD NOTES

Upper staircase bolts to landing

#### FIELD NOTES

3/8" Grade 5 Bolts / amount 2

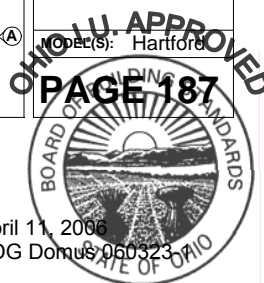
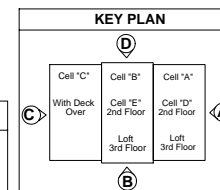


Basement staircase compoents to be installed fastening details parts 1 & 2



DRAWING

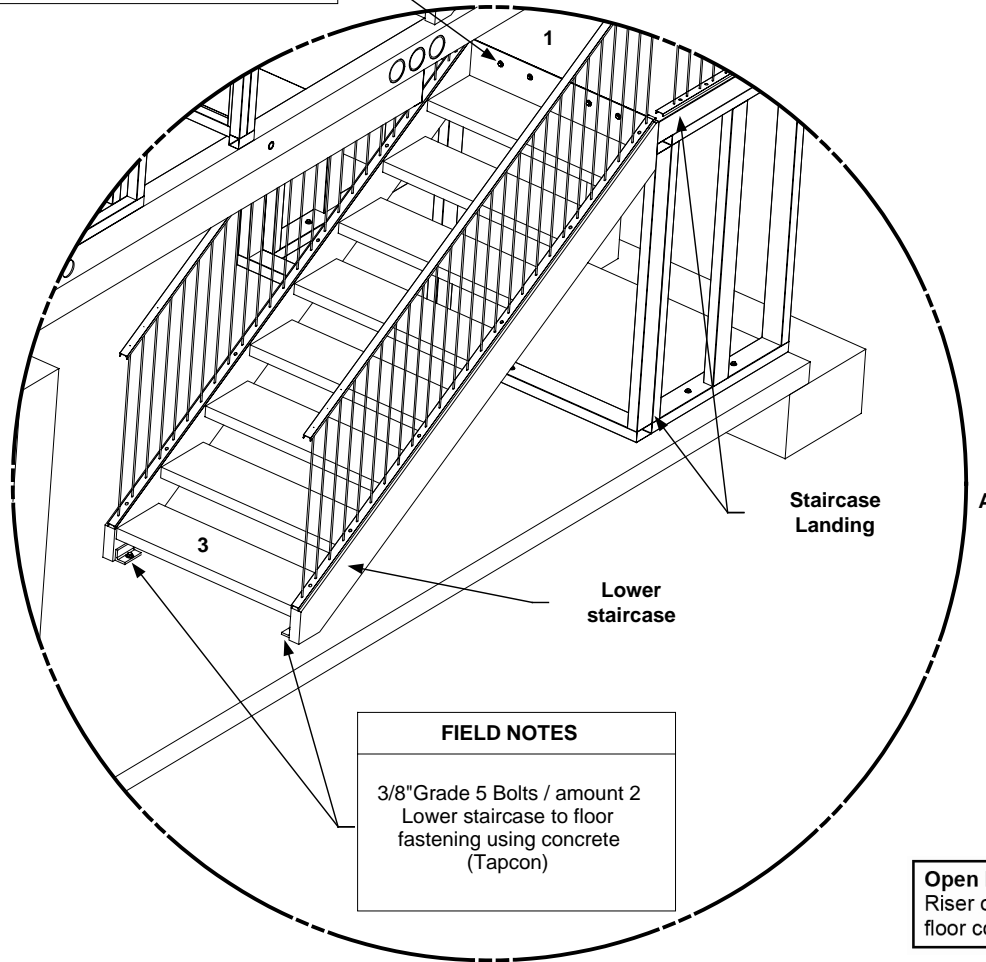
Basement installation  
Staircase Fastening  
1



### FIELD NOTES

3/8" Grade 5 Bolts / amount 5 Lower staircase fastening to Landing

**Open back staircase:**  
Riser opening is 3 7/8" after floor covering is applied.



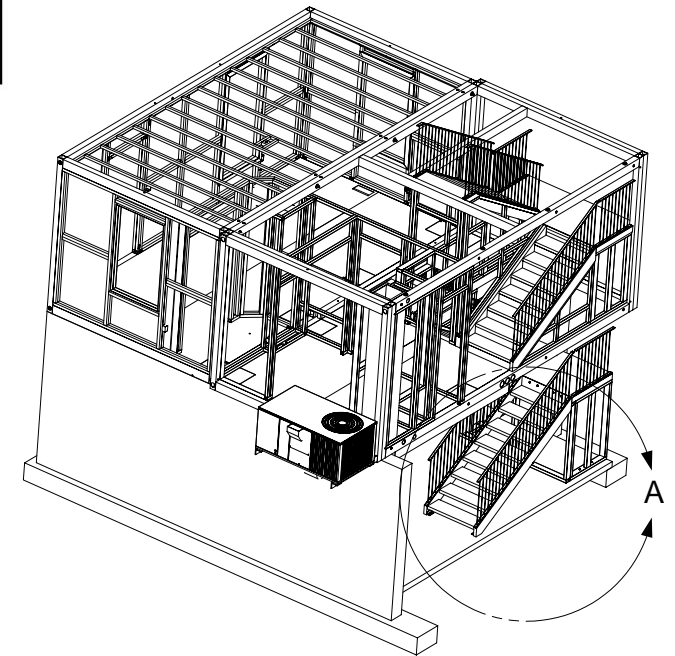
Staircase Landing

Lower staircase

### FIELD NOTES

3/8" Grade 5 Bolts / amount 2  
Lower staircase to floor  
fastening using concrete  
(Tapcon)

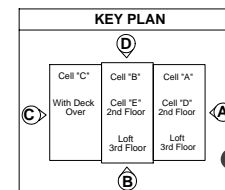
**Open back staircase:**  
Riser opening is 3 7/8" after floor covering is applied.



Basement staircase components to be installed fastening details parts 3

Basement Staircase Installation  
Install 3 major parts installation in the following order

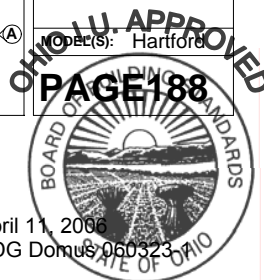
1. Staircase landing
2. Upper staircase
3. Lower staircase

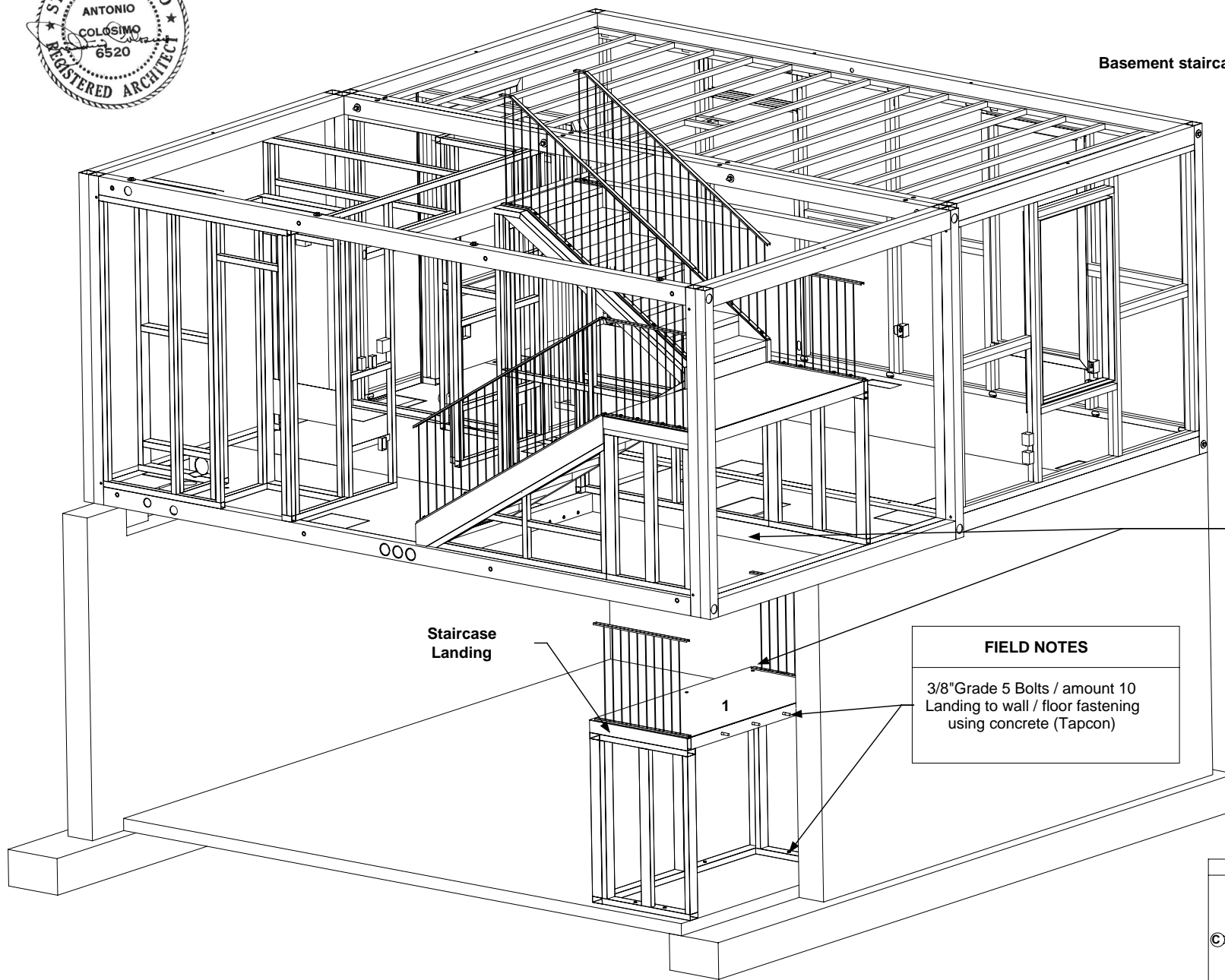


DRAWING

Basement installation  
Staircase Fastening  
2

DESIGNED BY: Hartford





**Basement staircase compoents to be installed fastening details parts 1**

Basement Staircase Installation  
Install 3 major parts installation  
in the following order

1. Staircase landing
2. Upper staircase
3. Lower staircase

**FIELD NOTES**

Before alignment place landing in  
contact with wall.  
Using plum-bob or laser, align  
landing edge to frme of home.

**FIELD NOTES**

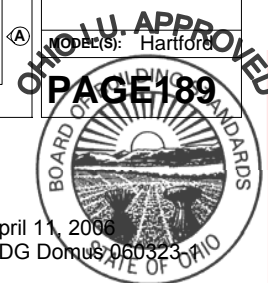
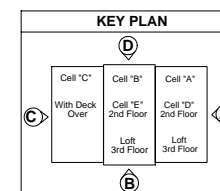
3/8" Grade 5 Bolts / amount 10  
Landing to wall / floor fastening  
using concrete (Tapcon)

Staircase  
Landing

1

**DRAWING**

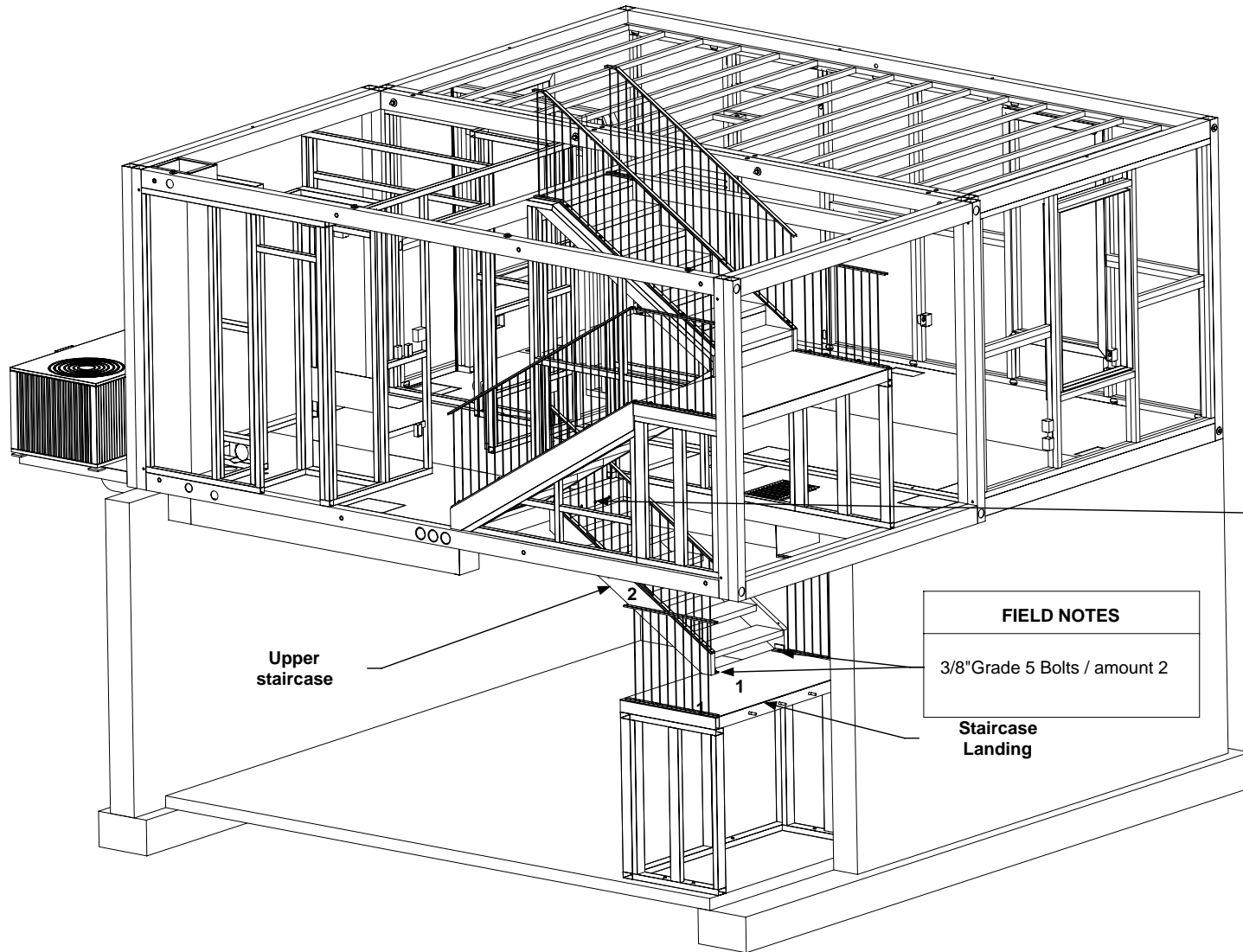
Basement Installation  
Staircase Procedure  
1



April 11, 2006  
PDG Domus 060323



**Basement staircase compoents to be installed fastening details parts 2**



Basement Staircase Installation  
Install 3 major parts installation  
in the following order

1. Staircase landing
2. **Upper staircase**
3. Lower staircase

**FIELD NOTES**

Align upper staircase with bolt holes in frame of home install 3/8" Grade 5 Bolts / amount 5

Once Upper staircase is fastened to frame of home install 3/8" Grade 5 bolts amount 2 to landing. Retighten all 7 fasteners. Ref: Page 187 detail B

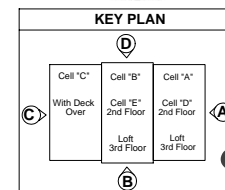
**FIELD NOTES**

3/8" Grade 5 Bolts / amount 2



**DRAWING**

Basement Installation  
Staircase Procedure  
2

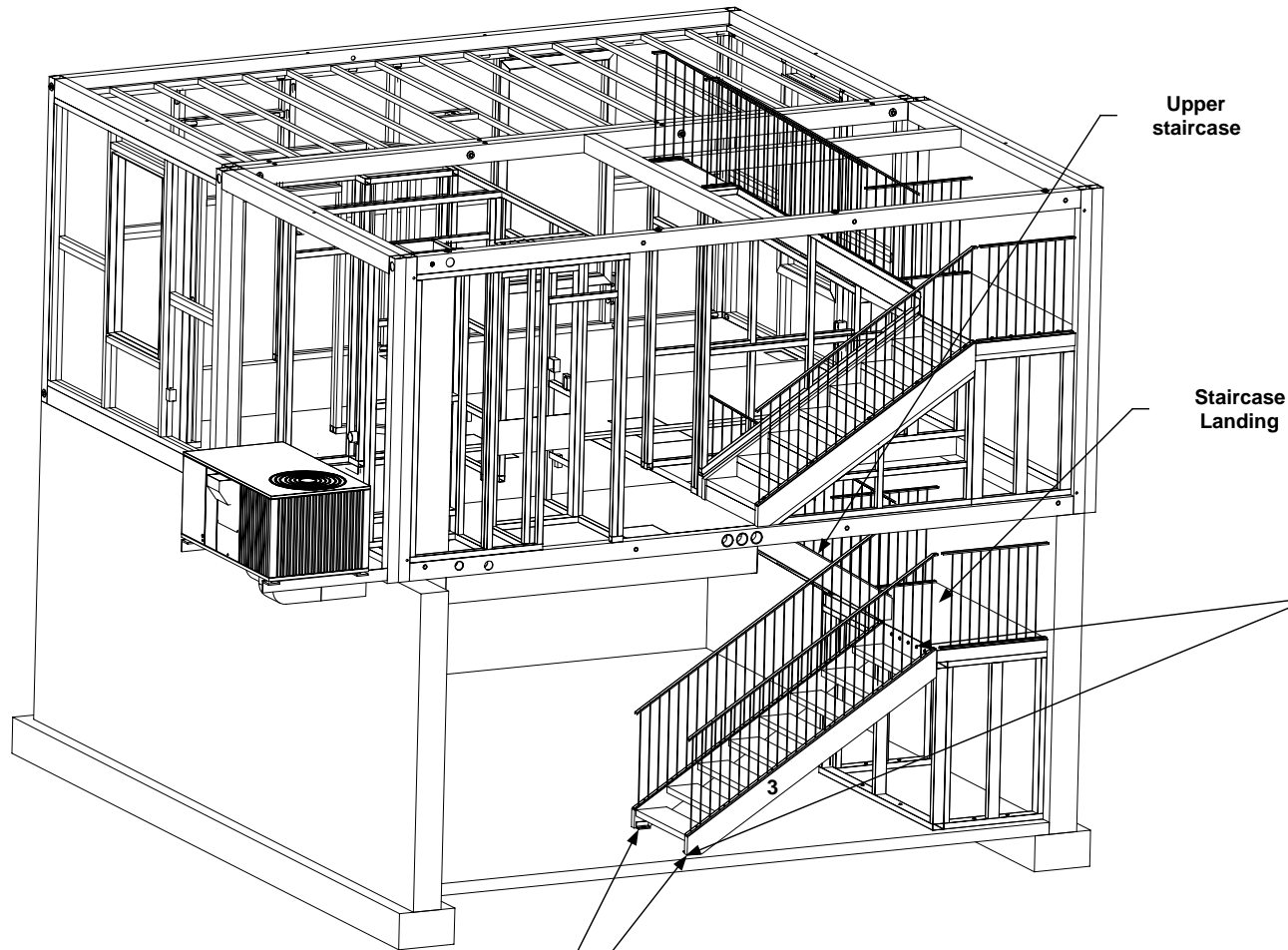


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**Basement staircase compoents to be installed fastening details parts 3**



Upper staircase

Staircase Landing

Basement Staircase Installation  
Install 3 major parts installation  
in the following order

1. Staircase landing
2. Upper staircase
3. Lower staircase

**FIELD NOTES**

Align Lower staircase with bolt holes  
in frame of landing install 3/8" Grade 5  
Bolts / amount 5

Once Lower staircase is fastened to  
frame of landing mark concrete for  
holes to be drilled. Remove Lower  
staircase and drill holes, reinstall  
Lower staircase.

Install 3/8" Grade 5 bolts amount 2 to  
fasten Lower staircase to floor  
Retighten all 7 fasteners.  
Ref: Page 188 detail A

**FIELD NOTES**

3/8" Grade 5 Bolts / amount 2  
(concrete tapcons)

**Open back staircase:**  
Riser opening is 3 7/8" after  
floor covering is applied.



**DRAWING**

Basement Installation  
Staircase Procedure  
3

