

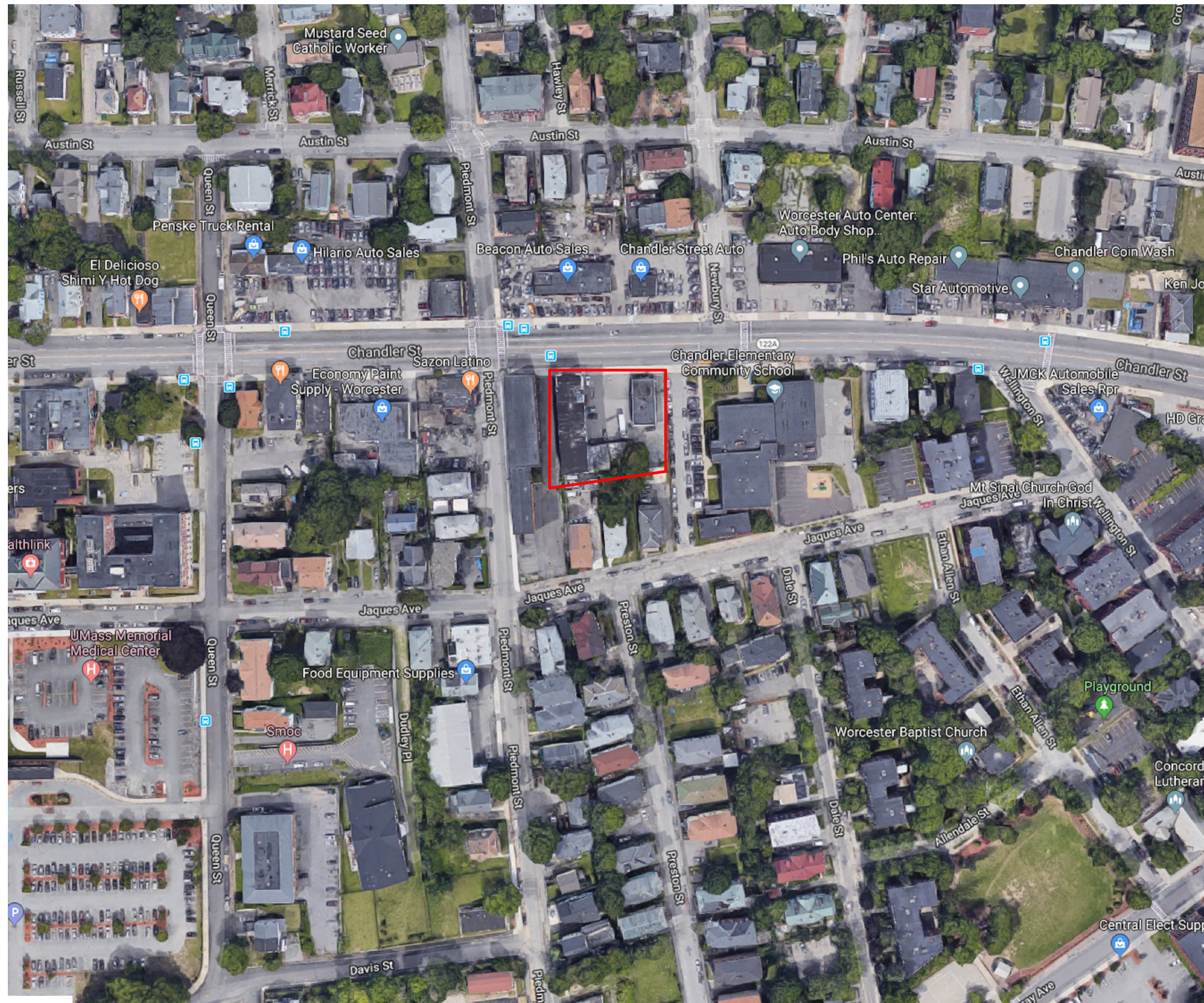
126 Chandler St

Worcester Common Ground



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Worcester Common Ground

No.	Description	Date

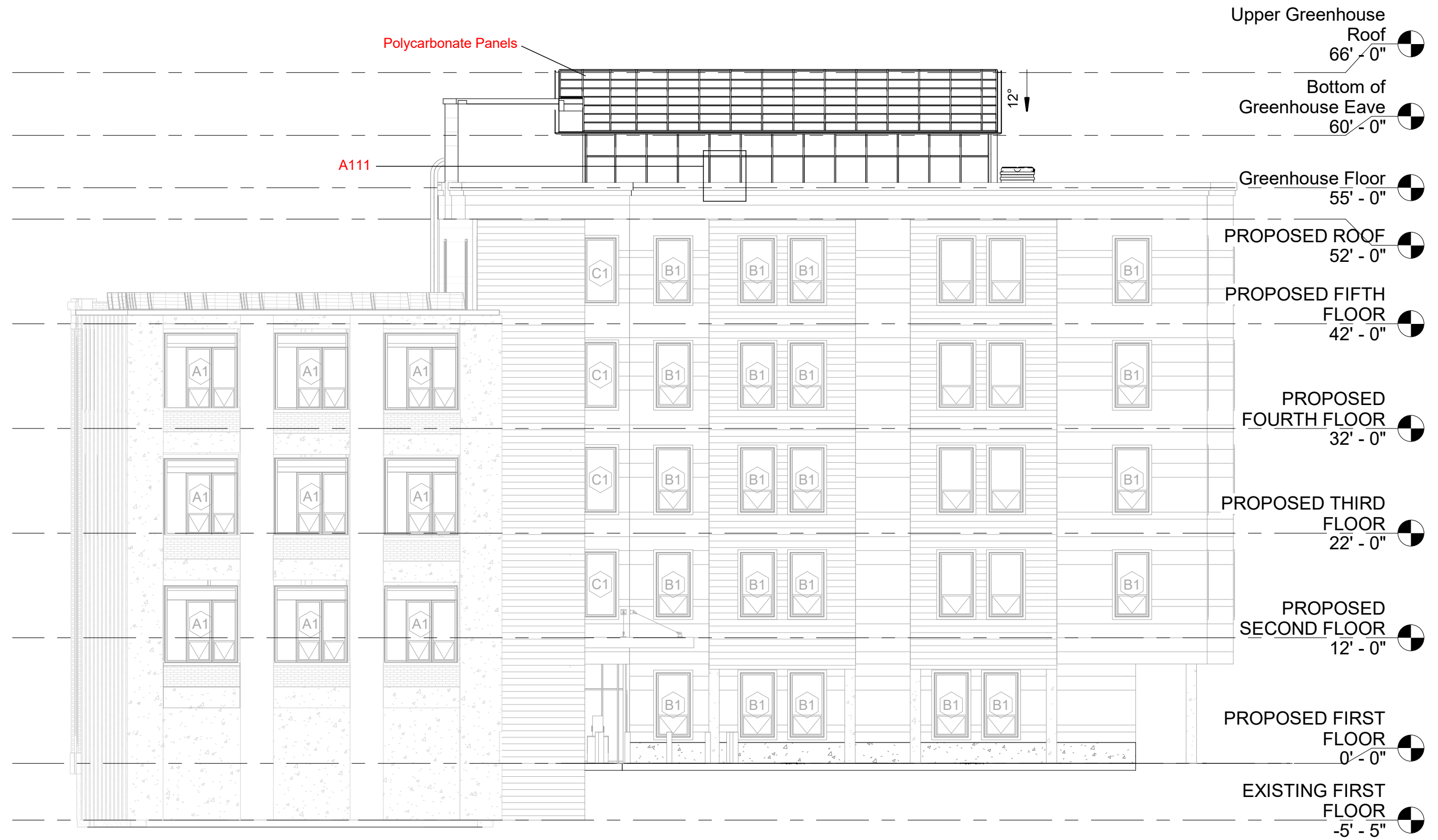
Site Map		
Project number	17045.00	A101
Date	02.21.2018	
Drawn by	Author	
Checked by	Checker	
Scale		



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Worcester Common Ground

No.	Description	Date

North Elevation		A102
Project number	17045.00	
Date	02.21.2018	
Drawn by	Author	
Checked by	Checker	
Scale 1/8" = 1'-0"		



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Worcester Common Ground

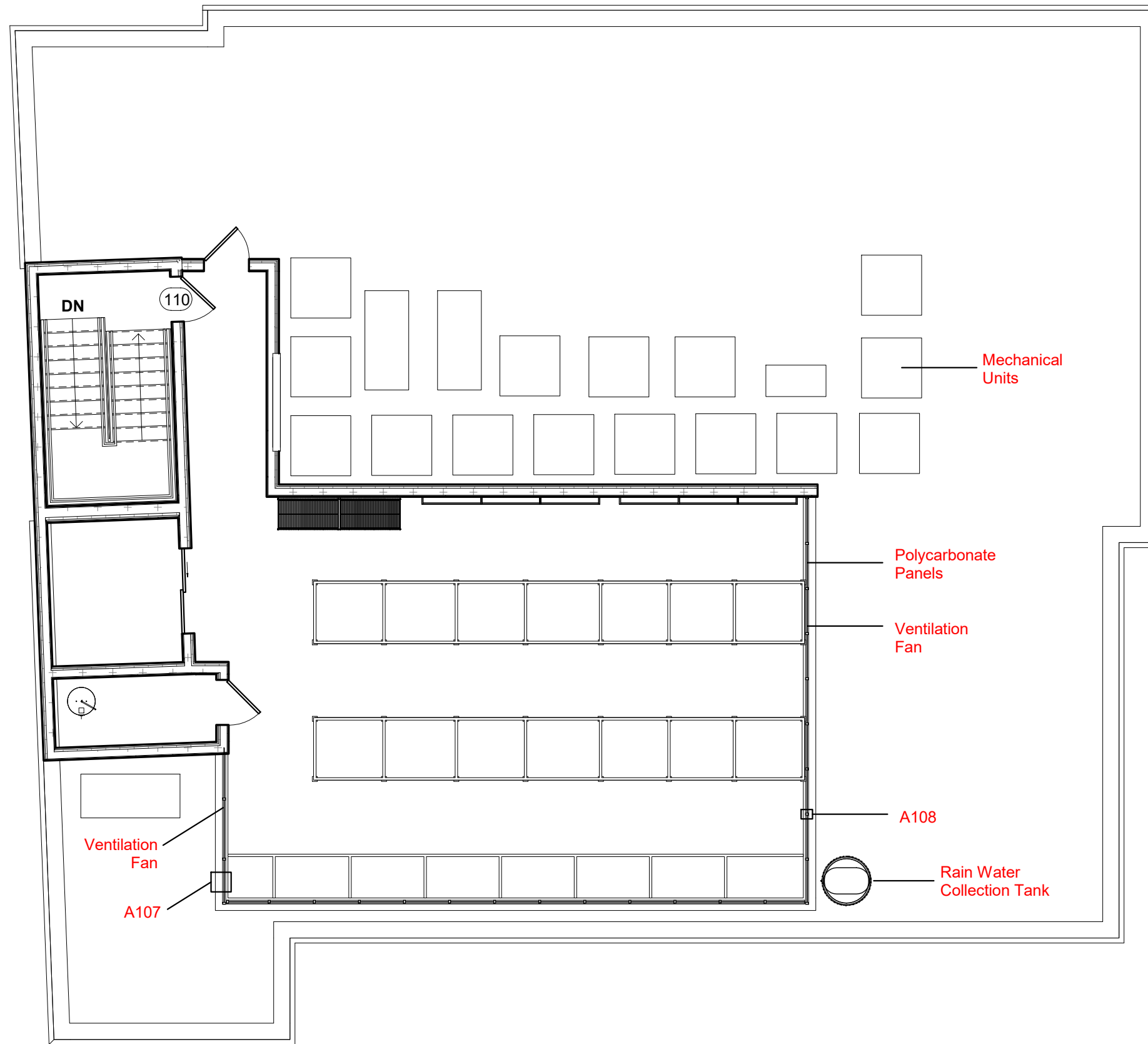
No.	Description	Date

South Elevation

Project number 17045.00
Date 02.21.2018
Drawn by Author
Checked by Checker

A103

Scale 1" = 10'-0"



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Worcester Common Ground

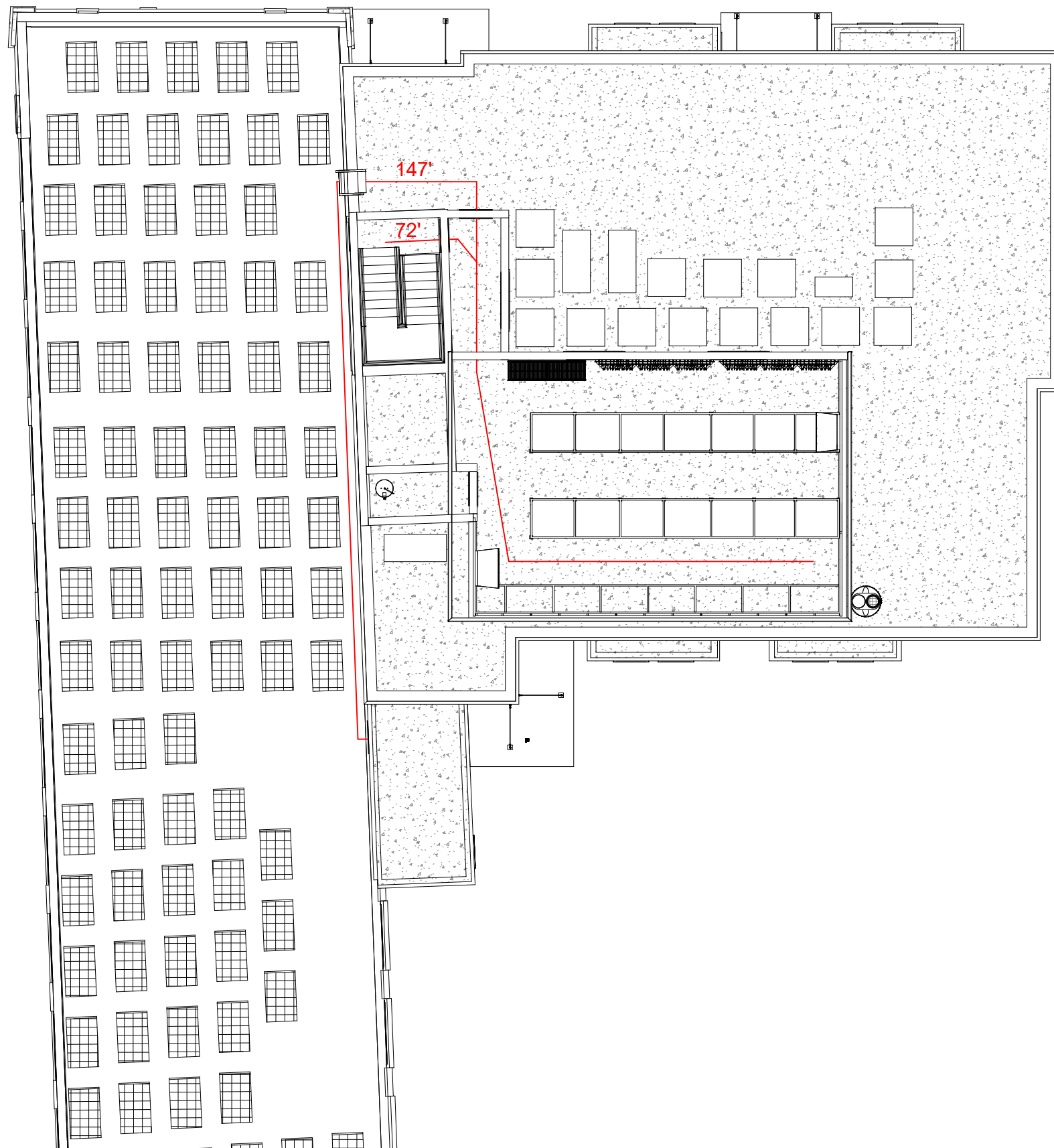
No.	Description	Date

Greenhouse Floor Plan

Project number 17045.00
Date 02.21.2018
Drawn by Author
Checked by Checker

A104

Scale 1/8" = 1'-0"



126 Chandler
Street
Worcester Common
Ground

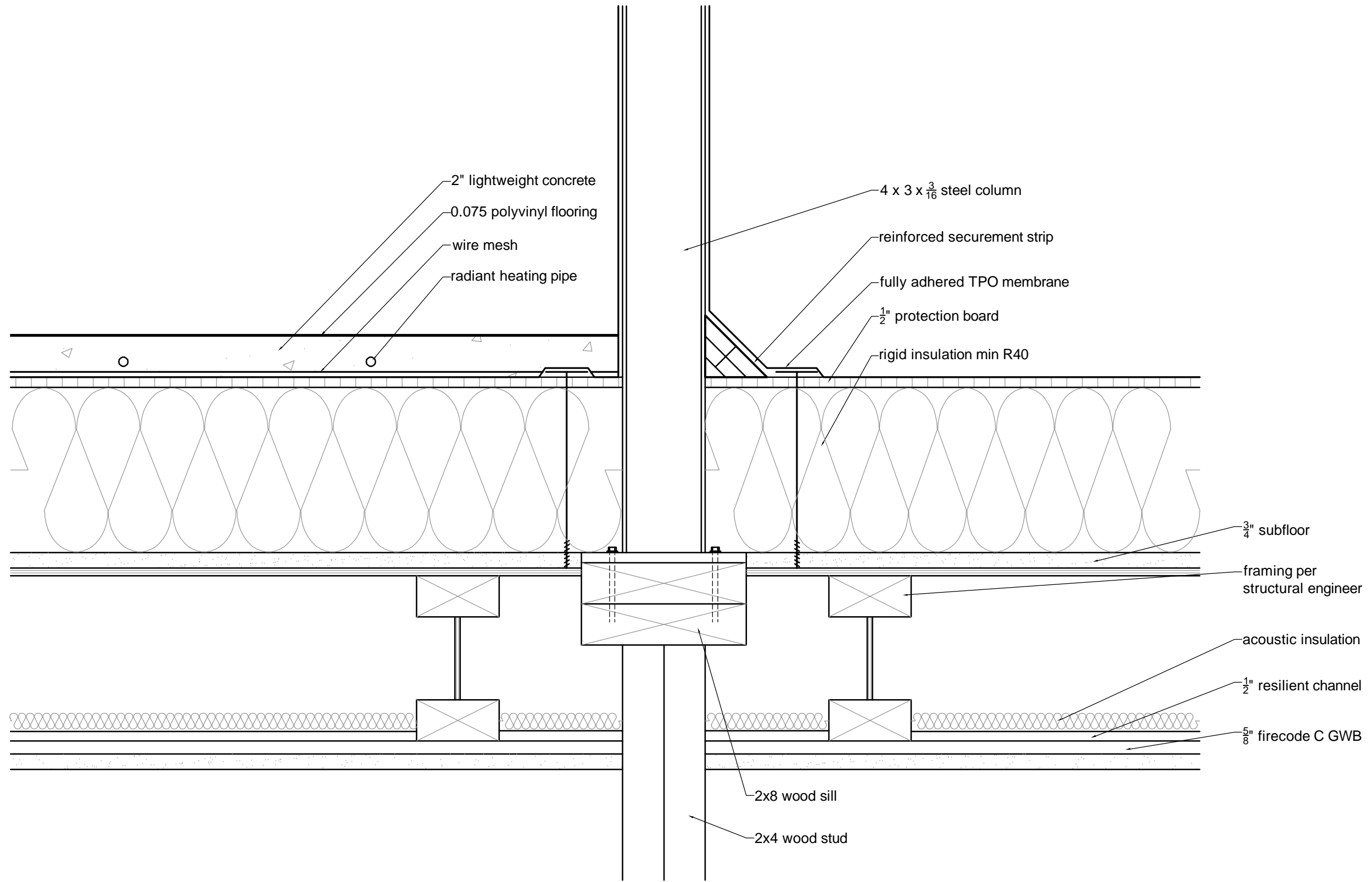
No.	Description	Date

Egress

Project number	17045.00
Date	02.21.2018
Drawn by	Author
Checked by	Checker

A105

Scale



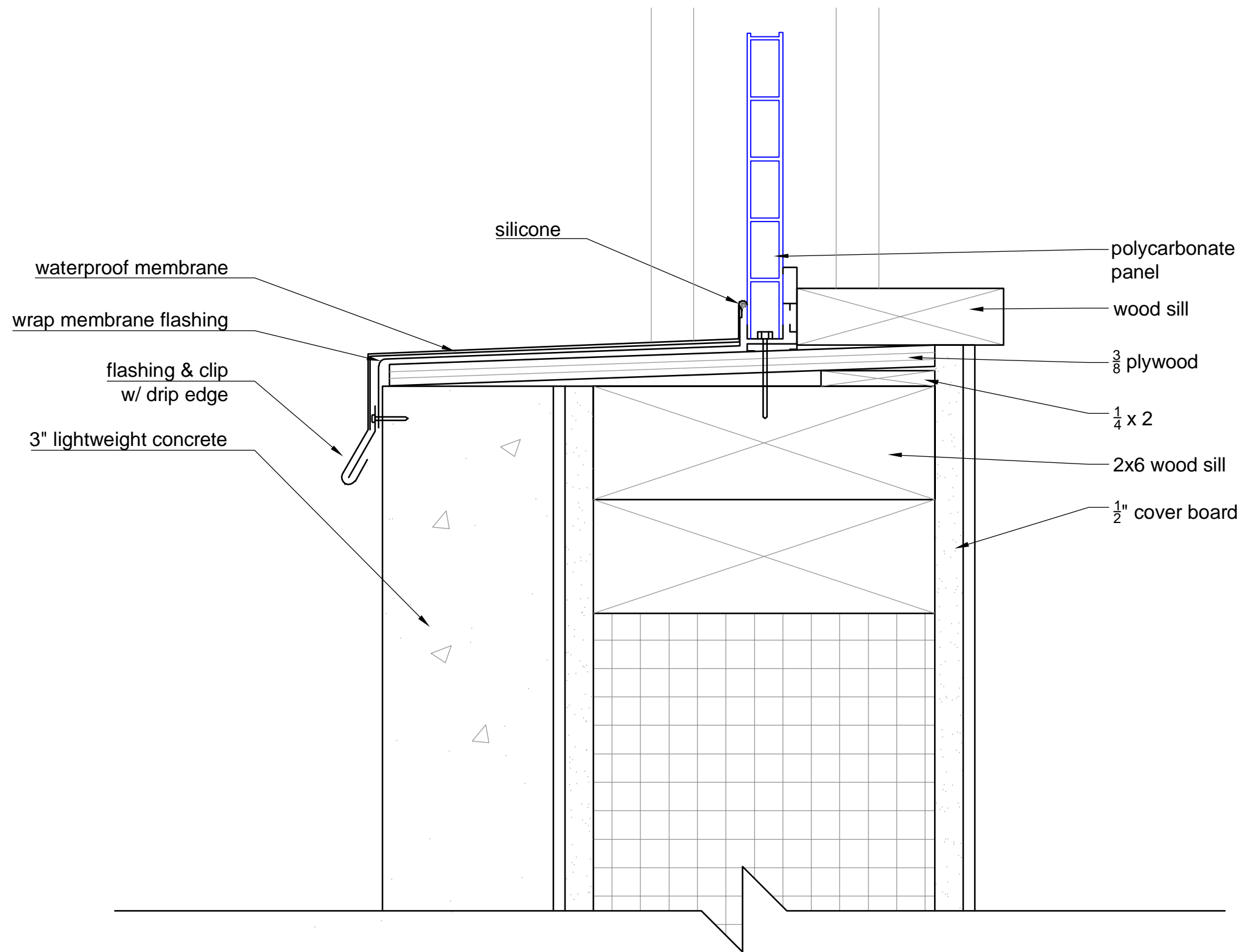
126 CHANDLER STREET
Worcester Common Ground

No.	Description	Date

Greenhouse to Roof Connection

Project number	17045.00
Date	02.21.2018
Drawn by	Author
Checked by	Checker

A106
Scale 1:5



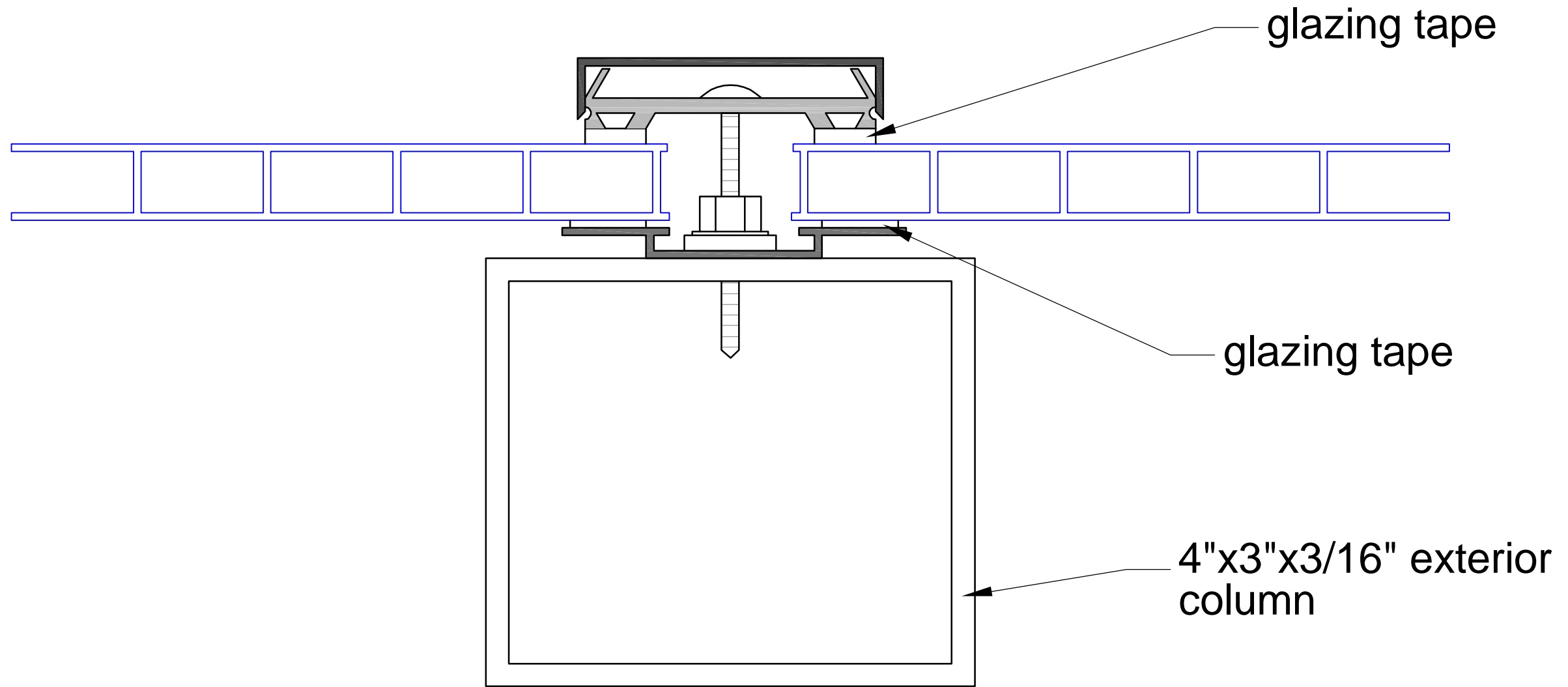
126 CHANDLER STREET
Worcester Common Ground

No.	Description	Date

Knee Wall Connection

Project number	17045.00
Date	02.21.2018
Drawn by	Author
Checked by	Checker

A107
Scale 1:2



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Worcester Common Ground

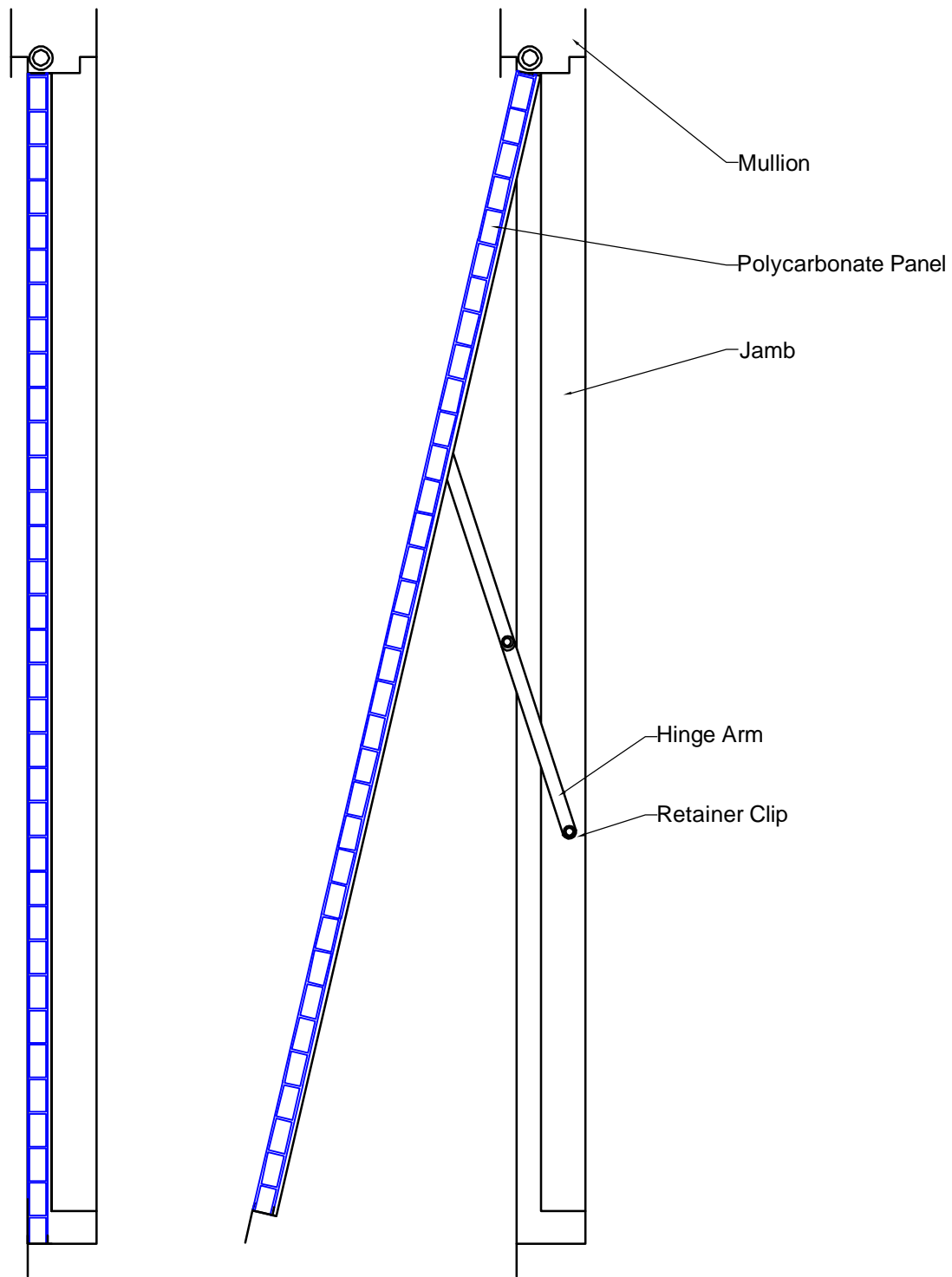
No.	Description	Date

Mullion System Detail

Project number	17045.00
Date	02.21.2018
Drawn by	Author
Checked by	Checker

A108

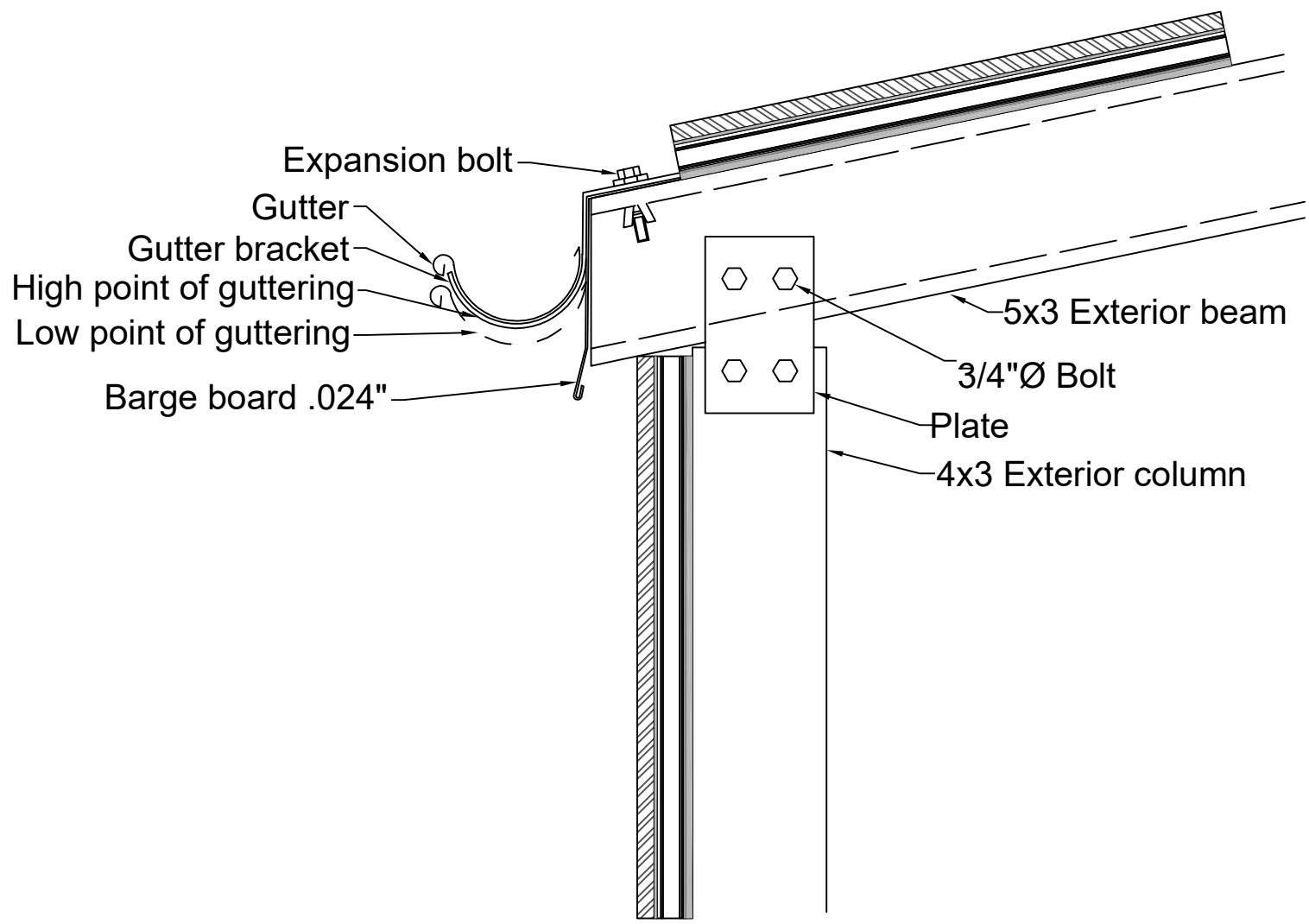
Scale 1:1



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Worcester Common Ground

No.	Description	Date

Polycarbonate Window Opening	
Project number	17045.00
Date	02.21.2018
Drawn by	Author
Checked by	Checker
A109	
Scale	1:4



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Worcester Common Ground

No.	Description	Date

Gutter Detail		
Project number	17045.00	A111
Date	02.21.2018	
Drawn by	Author	
Checked by	Checker	
		Scale

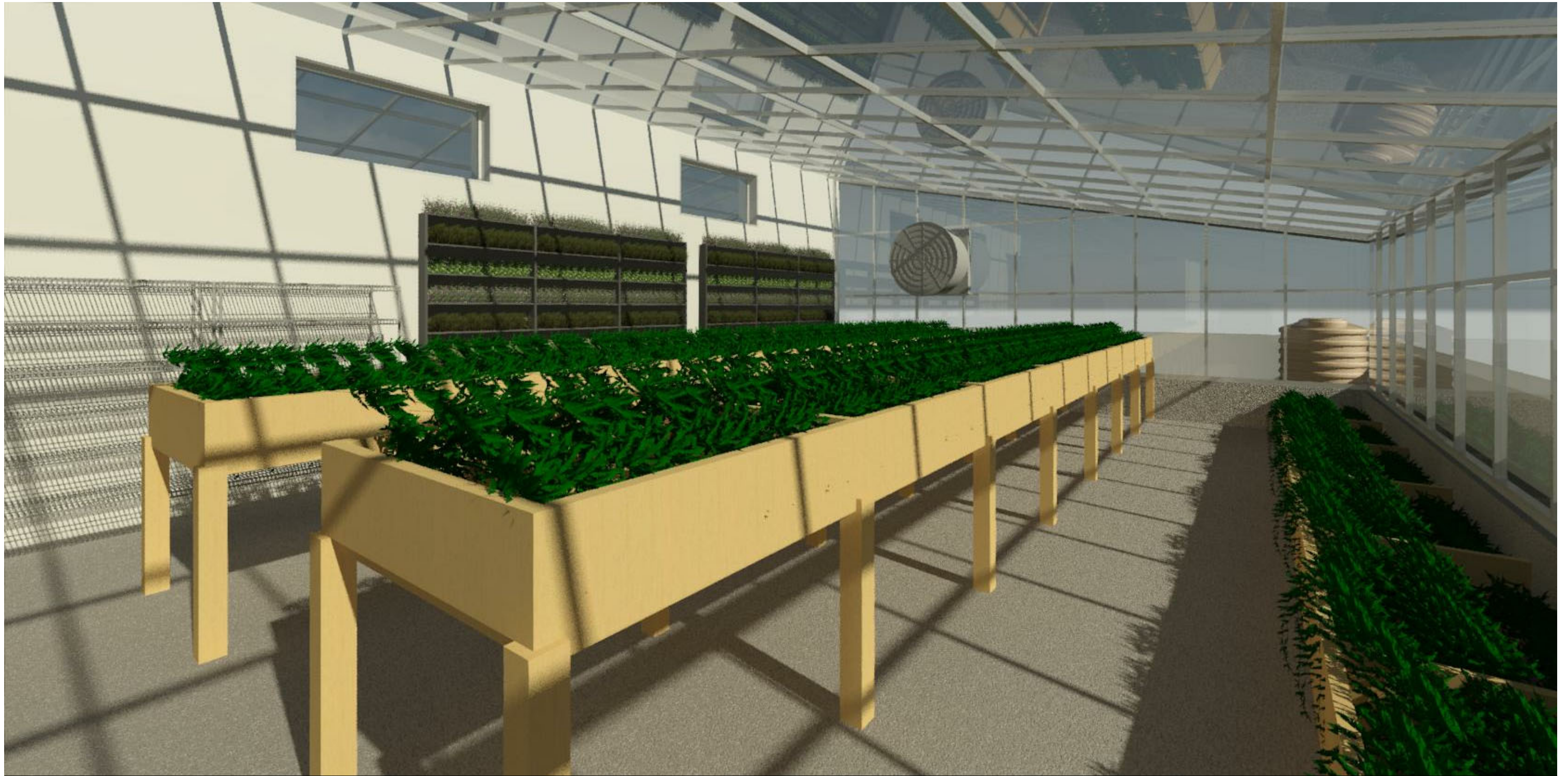
Item	Size	Model	Manufacturer	Number of Units	Unit Price	Total Price	
Polycarbonate Panels	3'x4' 5/8" thickness	16mm Policarb, 3 Wall Clear	GallinaUSA	160	\$ 46.40	\$ 7,424.00	
Mullion System	1"	F Channel	Stergis	772.25	\$ 1.80	\$ 1,390.05	
Radiant heating system	Piping	1/2" tubing	1/2" PEX Tubing	Radiantec	1000	\$ 0.80	\$ 800.00
	Thermostat, relay controls, other	-varies-	-varies-	Radiantec	1	\$ 1,875.00	\$ 1,875.00
	Water Heater	38 gallons, dim: 1.6'x1.6'x4.8'	Performance Platinum 36,000 BTU Liquid Propane ENERGY STAR	Rheem	1	\$ 685.00	\$ 685.00
Rainwater Harvesting Tank	75" diameter by 65" high, 160 lbs.	Polyethylene, 1000 Gallons	Poly-Mart	1	\$ 680.00	\$ 680.00	
Gutter	10 ft	10 ft aluminum gutter, gutter end, downspout	Amerimax Home Products	14	\$ 8.00	\$ 112.00	
Insulated Wood Stud Wall	676 sqft			1	\$ 4.36	\$ 2,947.36	
Fans	14" diameter with 1,400 CFM	Strongway Heavy-Duty Fully Enclosed Direct Drive Shutter Exhaust Fan	Northern Tool and Equipment	2	\$ 115.00	\$ 230.00	
Planting Beds	4.5'x4'x1x	Raised Wood Planter Garden Bed Box Stand	Best Choice Products	14	\$ 74.00	\$ 1,036.00	
	2.75'x4.75'x1'	Cedar Garden Bed Planter	Greenes Fence	9	\$ 67.30	\$ 605.70	
	2.7'x3.75'x.75'	Vertical Planter	Gronomics	1	\$ 259.00	\$ 259.00	
Structure	Exterior Beam	HSS 5x3 1/2" thickness	Hot rolled steel, rectangular tube	Midwest Steel and Aluminum	12	\$ 312.87	\$ 3,754.44
	Interior Beam	HSS 6x4 1/2" thickness	Hot rolled steel, rectangular tube	Midwest Steel and Aluminum	4	\$ 399.10	\$ 1,596.40
	Columns	HSS 4x3 3/6" thickness	Hot rolled steel, rectangular tube	Midwest Steel and Aluminum	13	\$ 125.54	\$ 1,632.02
						\$ 25,026.97	



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No.	Description	Date

Bill of Materials		
Project number	17045.00	A111
Date	02.21.2018	
Drawn by	Author	
Checked by	Checker	Scale



126 Chandler Street
Worcester Common Ground

No.	Description	Date

Greenhouse Interior Render

Project number 17045.00
Date 02.21.2018
Drawn by Author
Checked by Checker

A112

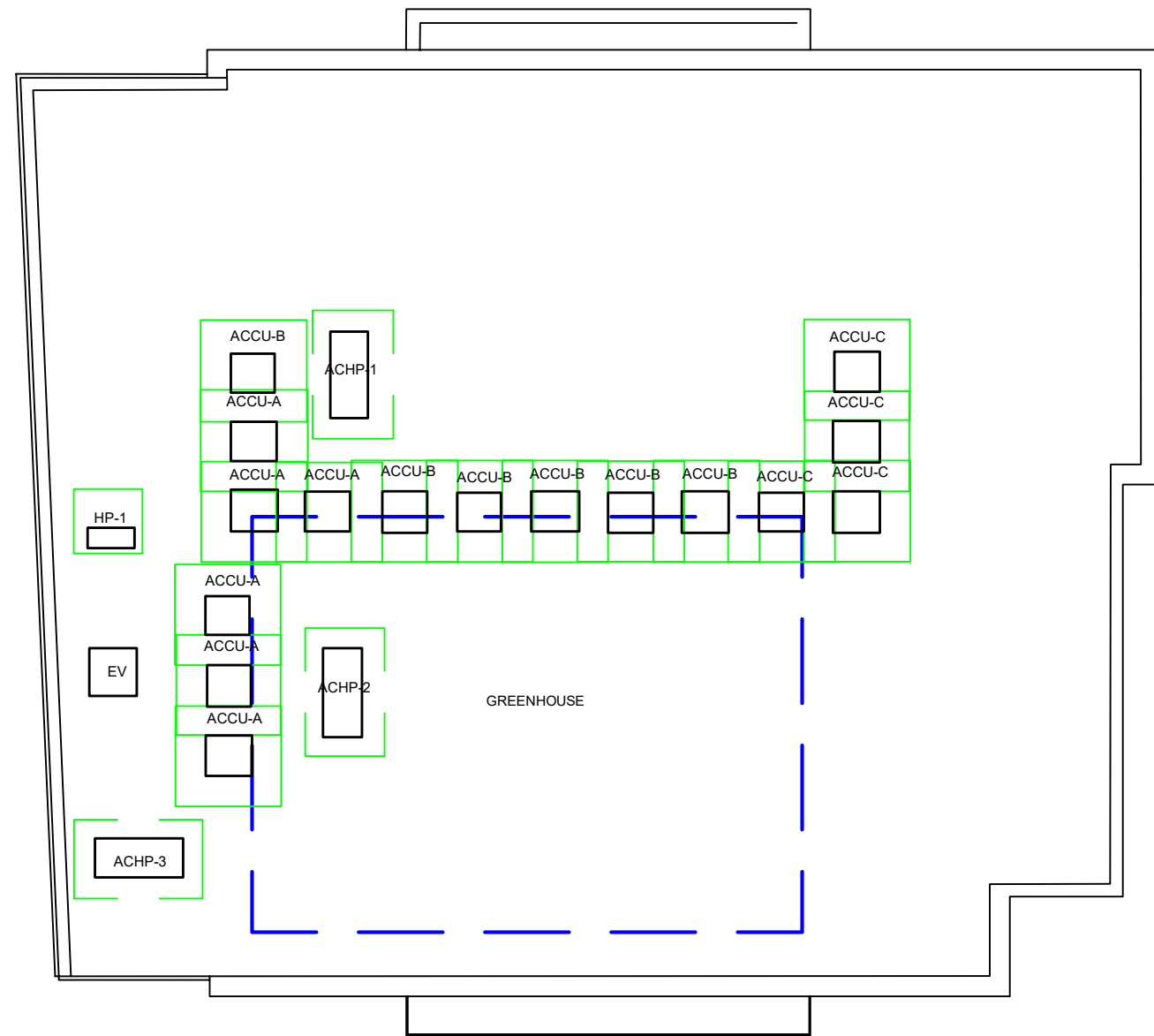
Scale 12" = 1'-0"



126 Chandler Street
Worcester Common Ground

No.	Description	Date

Greenhouse Exterior Render		A113
Project number	17045.00	
Date	02.21.2018	
Drawn by	Author	
Checked by	Checker	
Scale 12" = 1'-0"		



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Worcester Common Ground

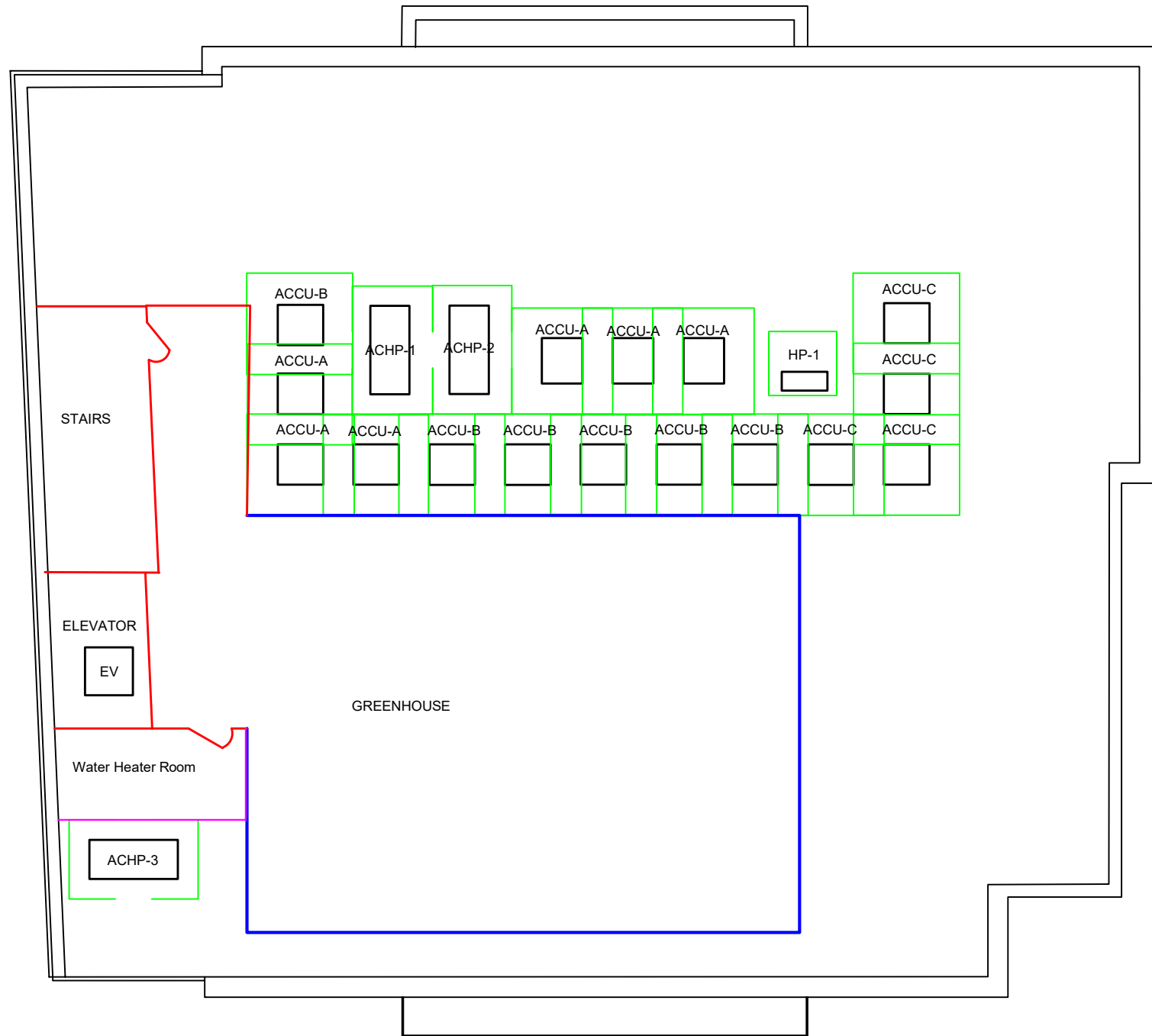
No.	Description	Date

Existing Mechanical Roof Plan

Project number 17045.00
Date 02.21.2018
Drawn by Author
Checked by Checker

M101

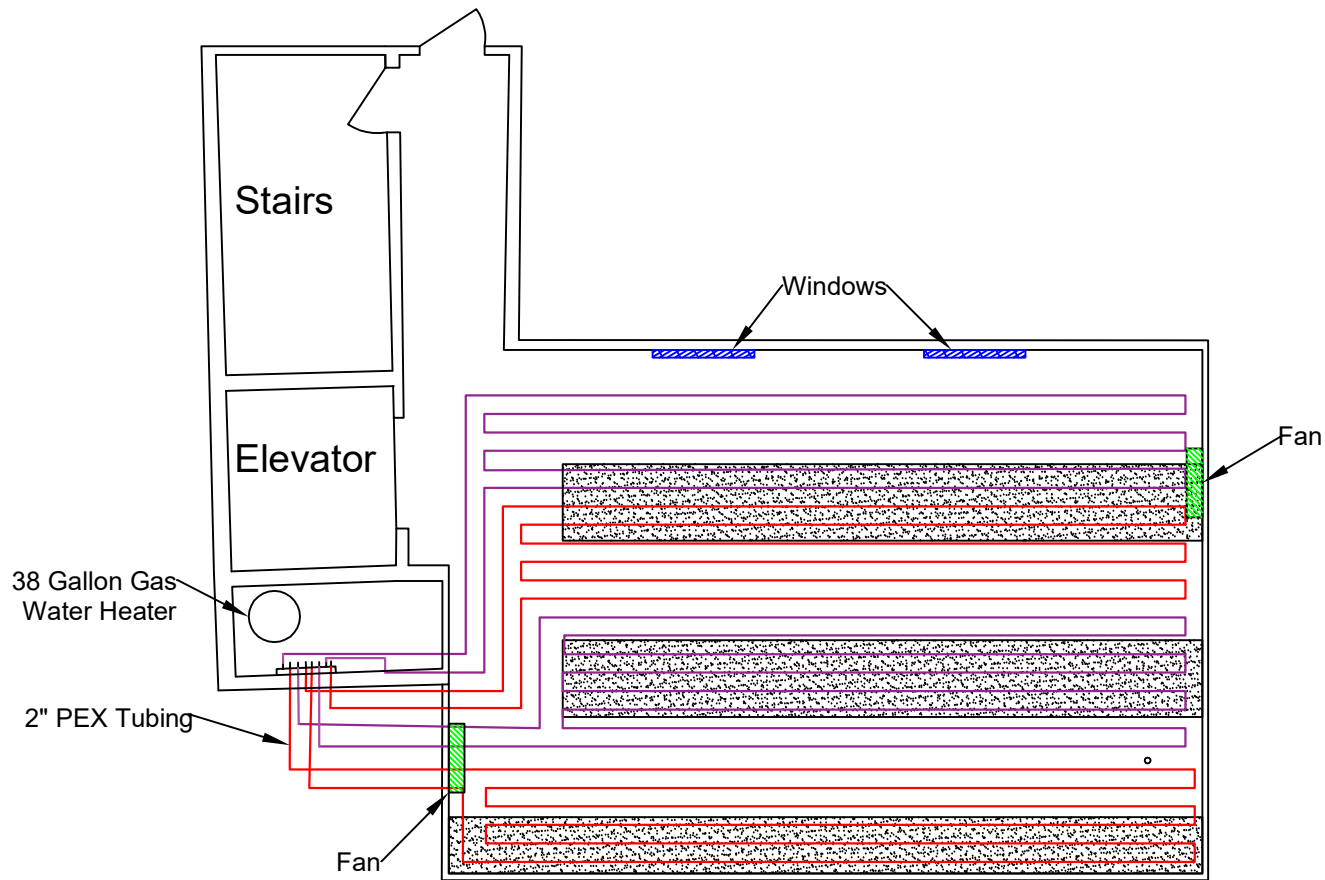
Scale



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No.	Description	Date

Proposed Mechanical Roof Plan		
Project number	17045.00	M102
Date	02.21.2018	
Drawn by	Author	Scale
Checked by	Checker	



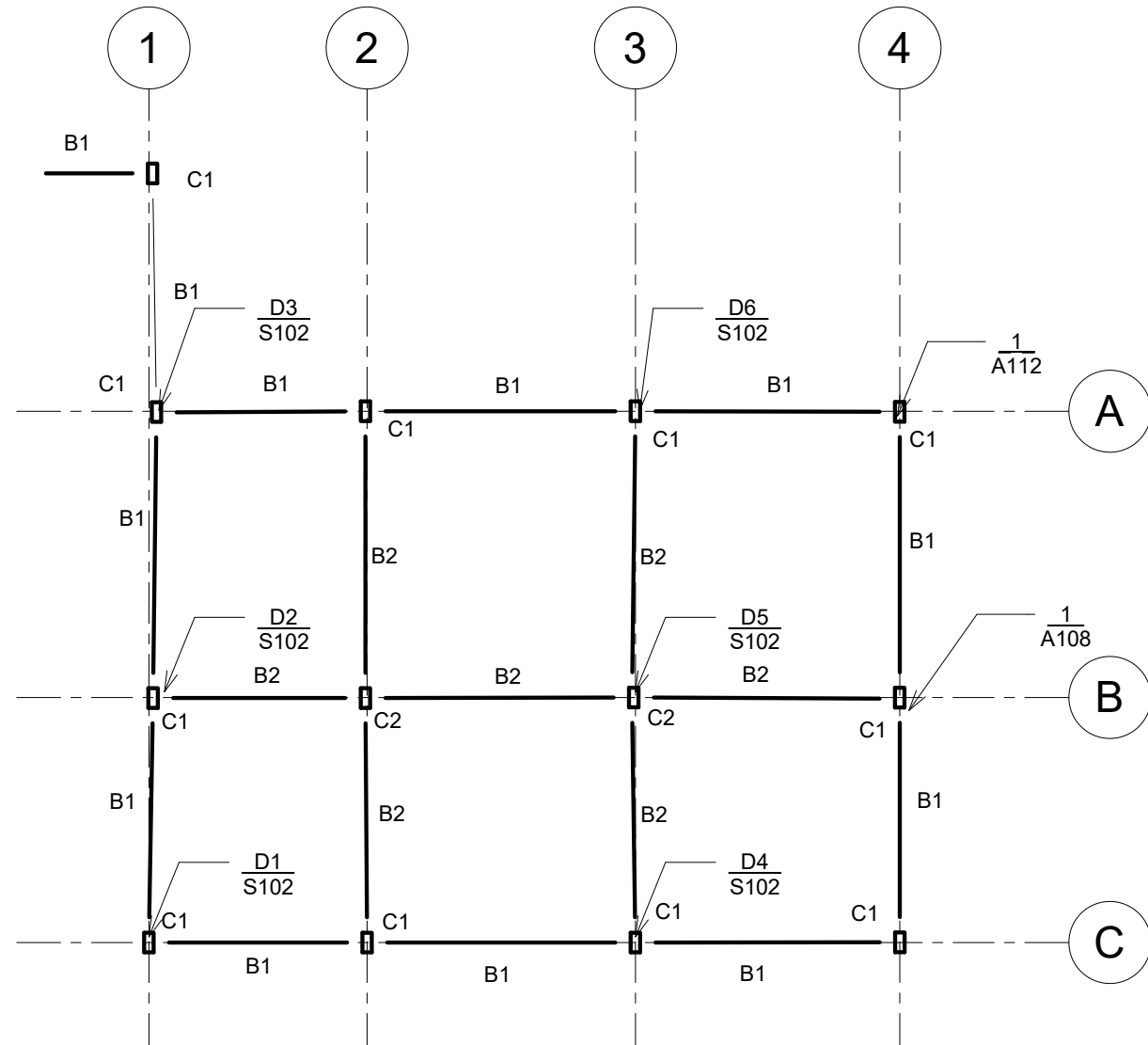
126 CHANDLER STREET
Worcester Common Ground

No.	Description	Date

Greenhouse HVAC Plan

Project number 17045.00
Date 02.21.2018
Drawn by Author
Checked by Checker

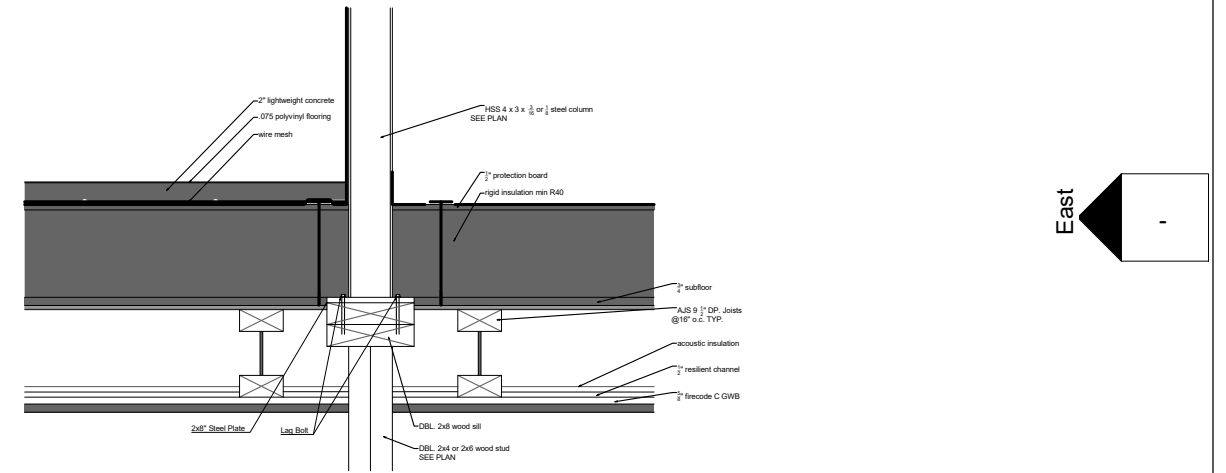
A113
Scale $\frac{1}{125}'' = 1'$



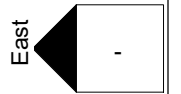
Beam Number	Beam Size
B1	HSS 5x3x1/2
B2	HSS 6x4x1/2

Column Number	Column Size
C1	HSS 4x3x1/8
C2	HSS 4x3x3/16

1 Top of Greenhouse
1/8" = 1'-0"



Detail: Structure to Roof Connection TYP.
Scale: 1/16" = 1"



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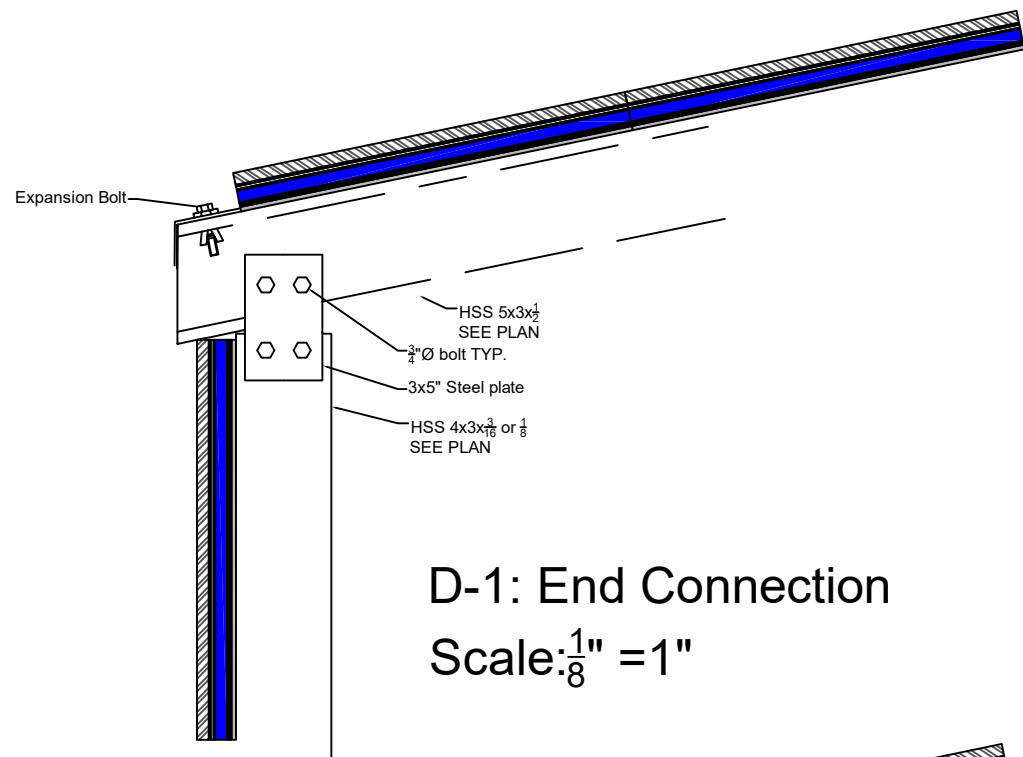
126 Chandler Street

Worcester Common Ground

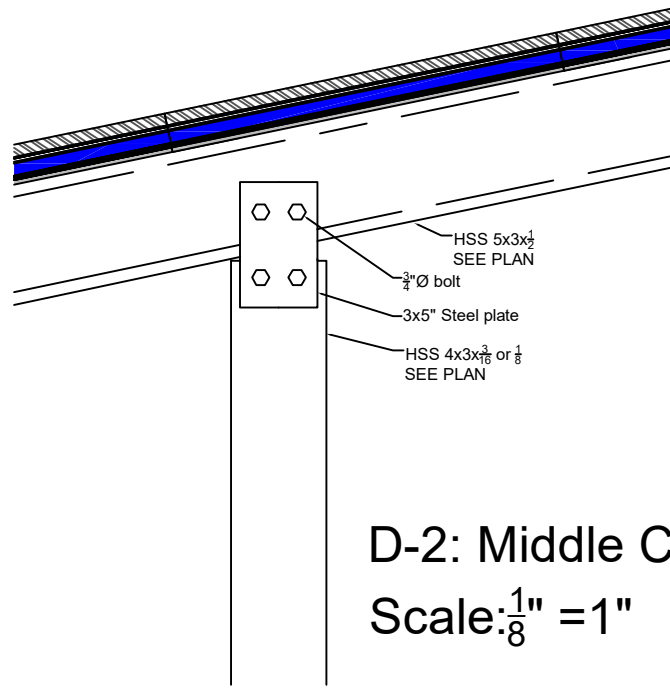
No.	Description	Date

Greenhouse Structure

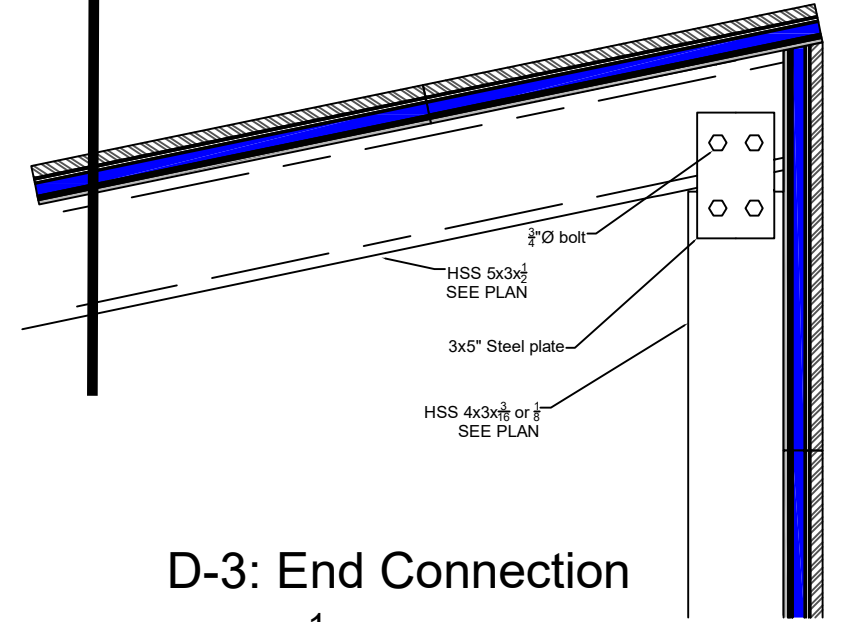
Project number	Project Number	S101
Date	Issue Date	
Drawn by	Author	
Checked by	Checker	
		Scale 1/8" = 1'-0"



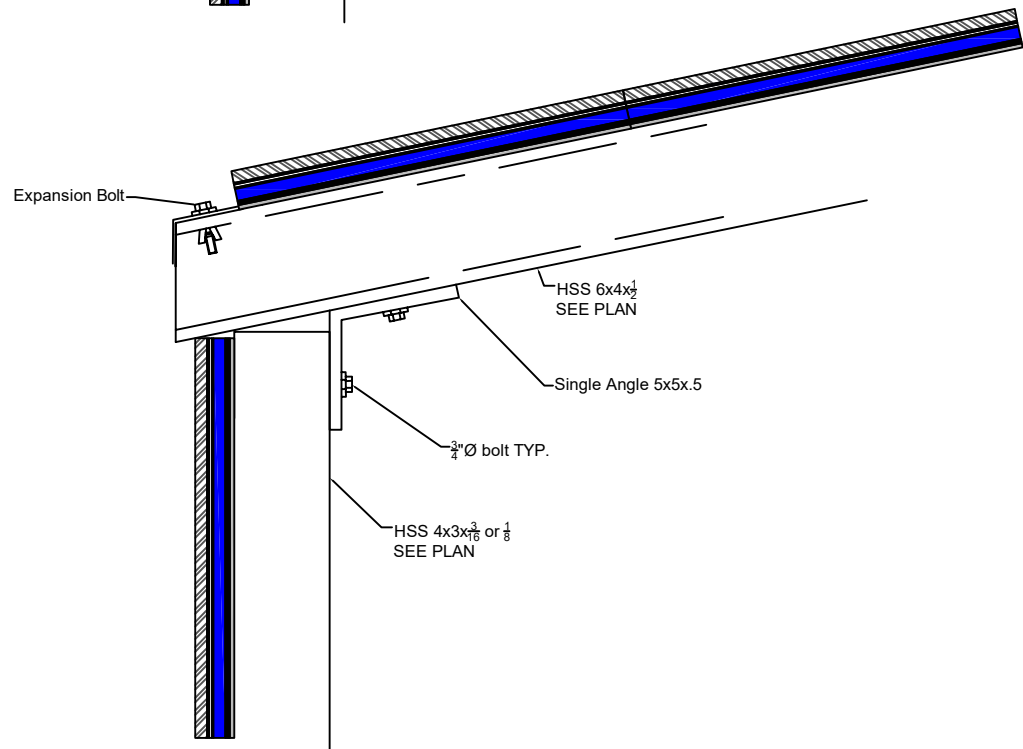
D-1: End Connection
Scale: 1/8" = 1"



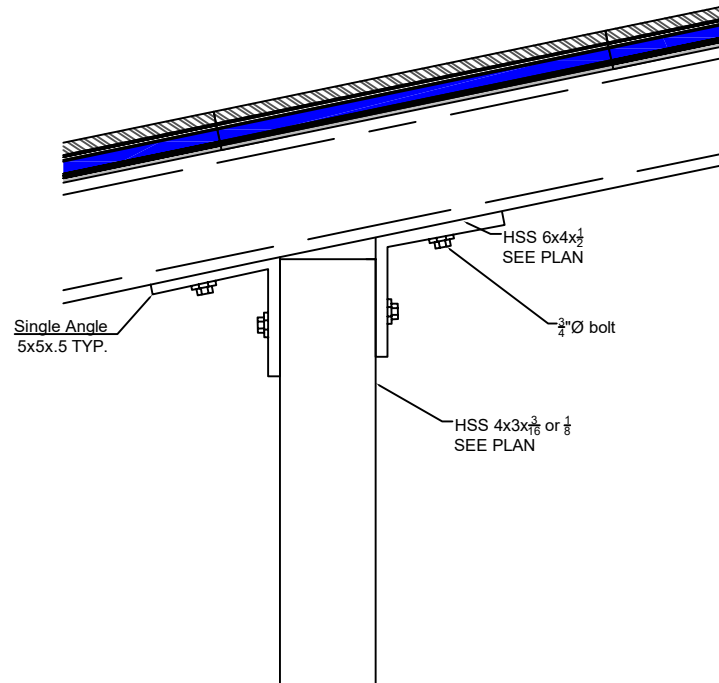
D-2: Middle Connection
Scale: 1/8" = 1"



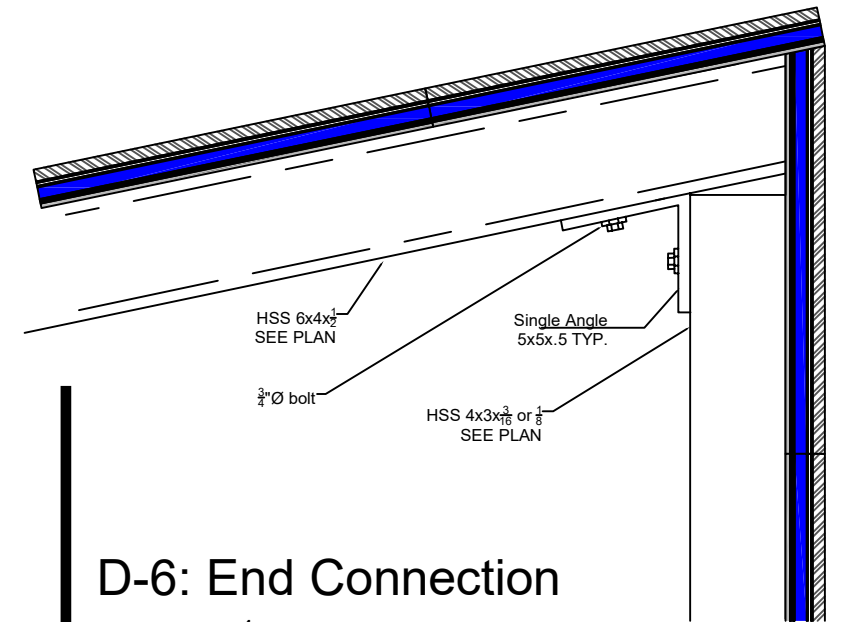
D-3: End Connection
Scale: 1/8" = 1"



D-4: End Connection
Scale: 1/8" = 1"



D-5: Middle Connection
Scale: 1/8" = 1"



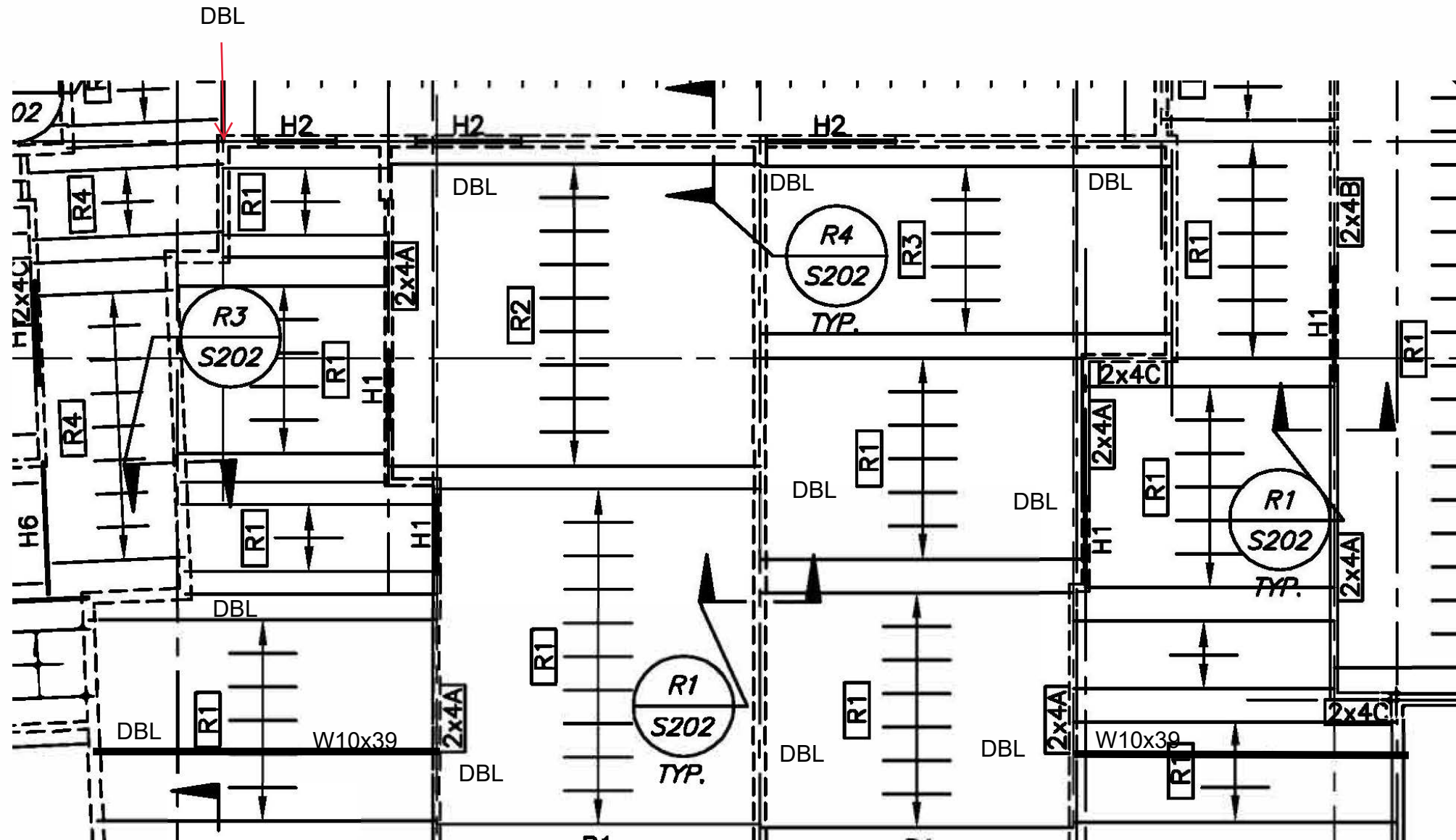
D-6: End Connection
Scale: 1/8" = 1"



126 CHANDLER STREET
Worcester Common Ground

No.	Description	Date

Structural Details		S102
Project number	17045.00	
Date	02.21.2018	
Drawn by	Author	
Checked by	Checker	
Scale		



Notes:

1. This plan serves to show the modifications made to the structure to accommodate the super imposed greenhouse loads and should not be used as a complete structural drawing
2. DBL stands for doubled studs at that location. Below all the columns connected to the greenhouse doubled studs must be placed
3. Wall construction is 2x6 Spruce Pine Fir No. 1/2 @16" o.c. wood stud bearing walls unless otherwise noted
4. Interior walls marked 2x4 shall be Southern Pine No. 2 @ 16" o.c. wood stud bearing walls unless otherwise noted



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Worcester Common Ground

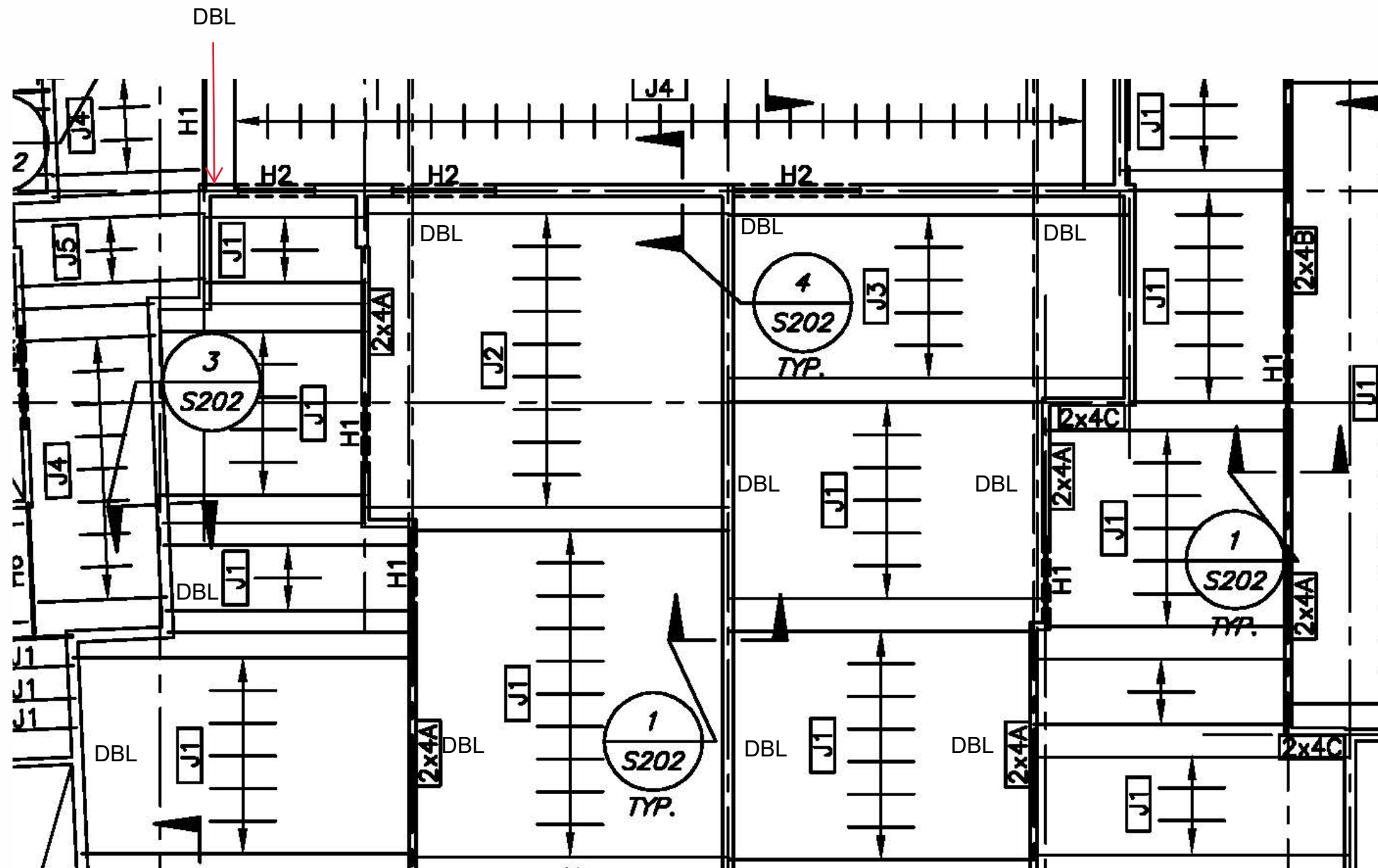
No.	Description	Date

Proposed Roof Framing

Project number 17045.00
Date 02.21.2018
Drawn by Author
Checked by Checker

S103

Scale



Notes:

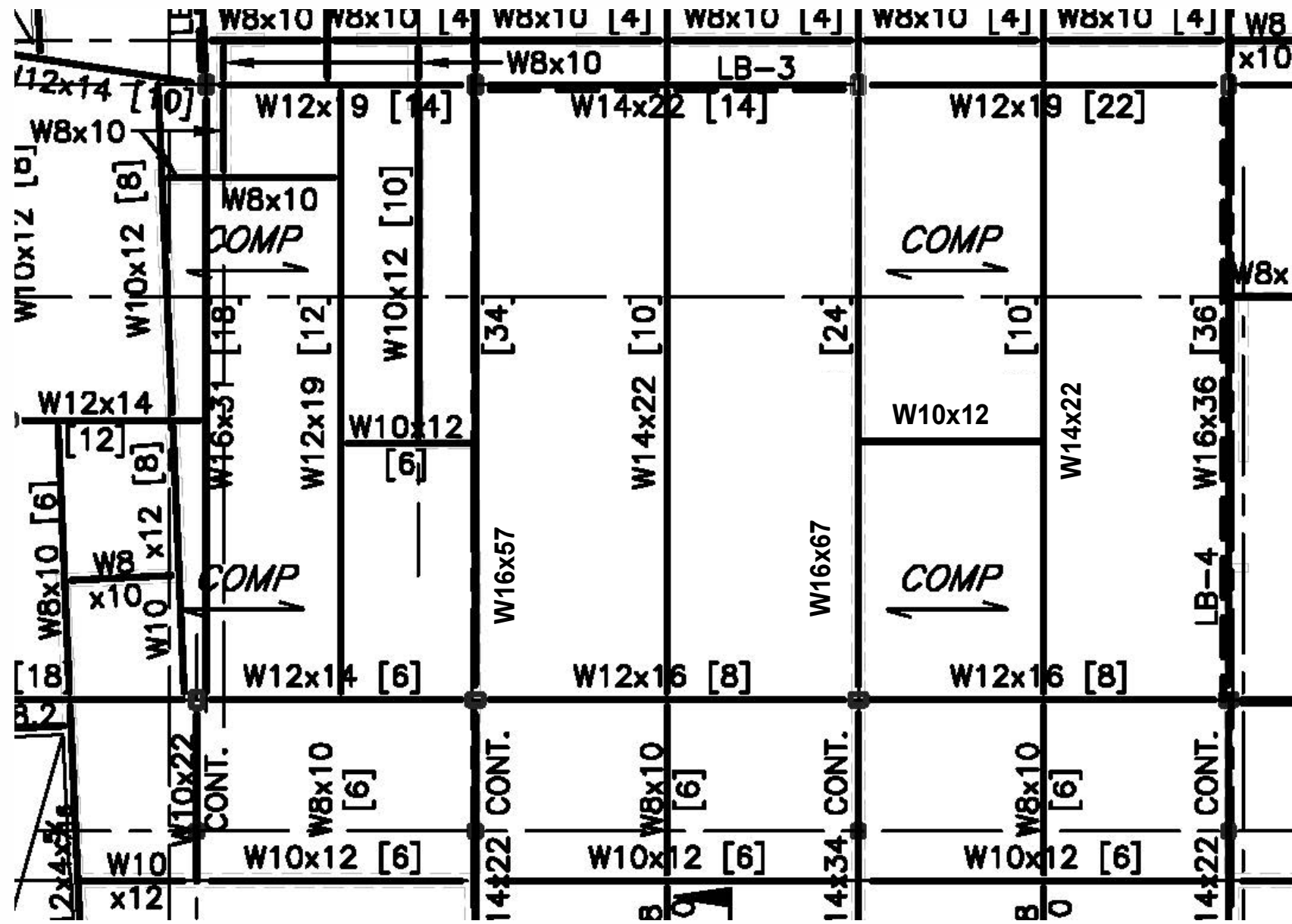
1. This plan serves to show the modifications made to the structure to accommodate the super imposed greenhouse loads and should not be used as a complete structural drawing
2. DBL stands for doubled studs at that location. Below all the columns connected to the greenhouse doubled studs must be placed
3. Wall construction is 2x6 Spruce Pine Fir No. 1/2 @16" o.c. wood stud bearing walls unless otherwise noted
4. Interior walls marked as "2x4A etc. " shall be as follows
 - 2x4A: 2nd to 3rd: SO. Pine No. 2 @ 8" o.c.
 - 3rd to 4th: SO. Pine No. 2 @ 12" o.c.
 - 4th to roof: SPF No. 1/2 @ 16" o.c.



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Worcester Common Ground

No.	Description	Date

Proposed Floor Framing		
Project number	17045.00	<h1>S104</h1>
Date	02.21.2018	
Drawn by	Author	
Checked by	Checker	
		Scale



Notes:

1. This plan serves to show the modifications made to the structure to accommodate the super imposed greenhouse loads and should not be used as a complete structural drawing



126 CHANDLER STREET
Worcester Common Ground

No.	Description	Date

Modification Steel Framing		
Project number	17045.00	S104
Date	02.21.2018	
Drawn by	Author	
Checked by	Checker	
Scale		