

NVAC NVAC MODIFIED NAT. VENT STRUCTURE 8m x 24m
TO SCALE

DRAWING APPROVAL

Signature

Print Name

Date: May 2018

Notes:

valid only when signed

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Eric Hager
Isabel

8 m 24 m

NVAC modification Nigeria GH 1

DATE

SCALE

DRAWING #

1

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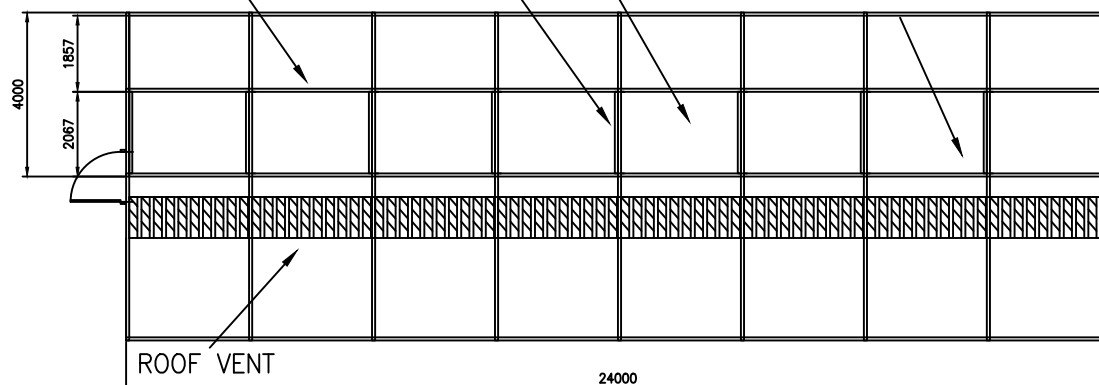
TOP OF
BE SLI
EASE F
GREEN

BOTTOM OF NVAC ROOF
BEAM DOES NOT NEED TO
BE AS STRUCTURALLY
STRONG AS OUTSIDE
STRUCTURAL BEAMS. SQUARE
PROFILE RECOMMENDED

ONE UNIFORM 6 MIL
POLYETHYLENE SHEETING
PIECE

SAME CRITERIA FOR TOP OF
NVAC ROOF (SEE BOTTOM OF
ROOF)

NVAC ROOF MEMBER

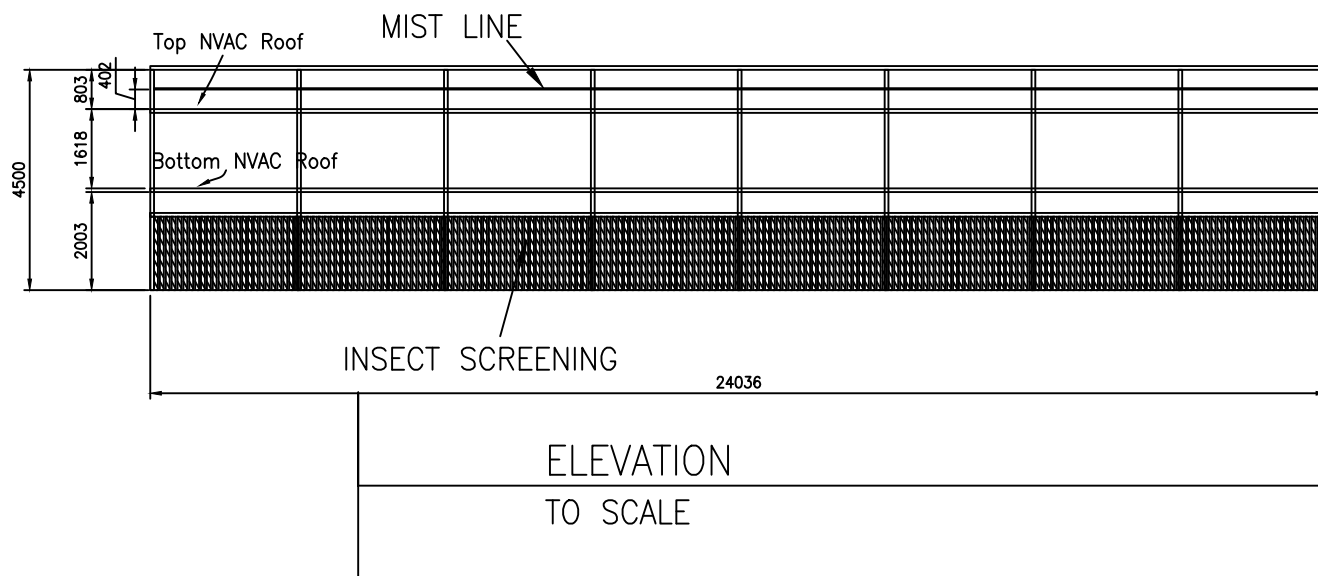


PLAN VIEW
TO SCALE

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DATE	SCALE
DRAWING #	2



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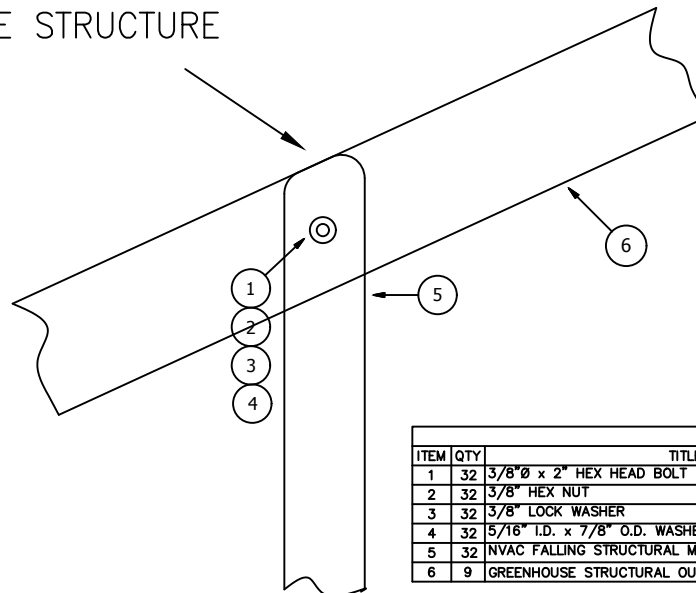
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DATE	SCALE
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DRAWING #	3
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TOP OF SUPPORT BAR CAN
BE SLIGHTLY FLATTENED TO
EASE BOLTING TO
GREENHOUSE STRUCTURE



LIST OF MATERIALS					
ITEM	QTY	TITLE	MATERIAL		
1	32	3/8"Ø x 2" HEX HEAD BOLT	Galv. Steel		
2	32	3/8" HEX NUT	Galv. Steel		
3	32	3/8" LOCK WASHER	Galv. Steel		
4	32	5/16" I.D. x 7/8" O.D. WASHER	Galv. Steel		
5	32	NVAC FALLING STRUCTURAL MEMBER (TOP RAIL)	Galv. Steel		
6	9	GREENHOUSE STRUCTURAL OUTSIDE MEMBER	Galv. Steel		

DETAIL VIEW TOP OF SUPPORT BAR
TO SCALE

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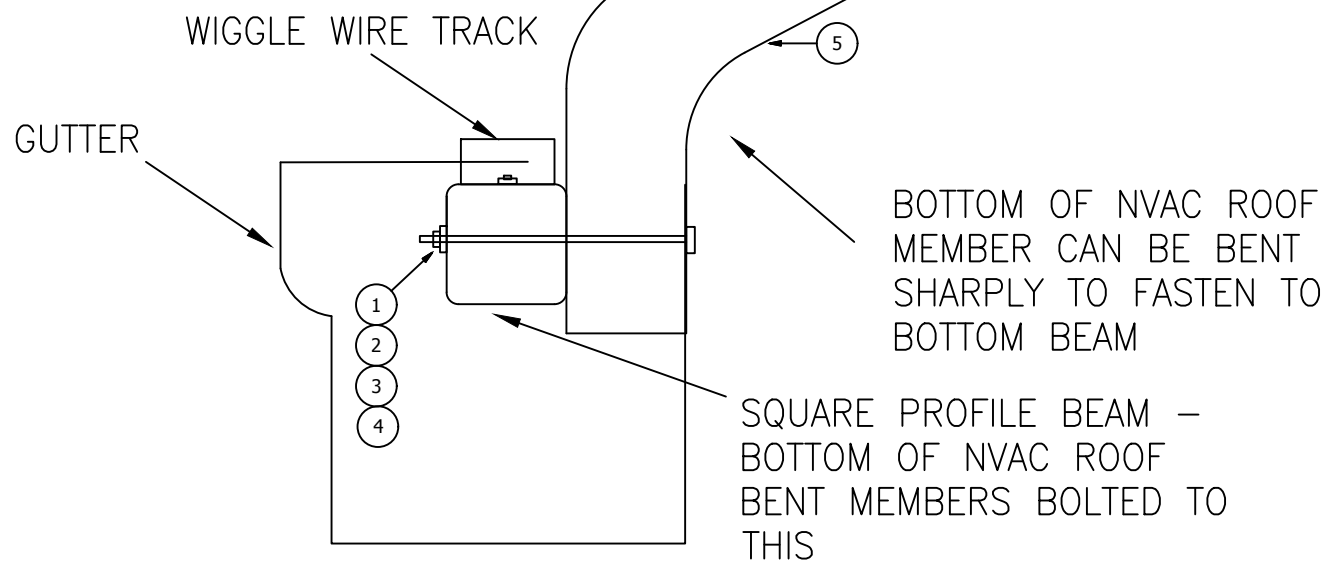
DATE

SCALE

DRAWING #

4

LIST OF MATERIALS					
ITEM	QTY	TITLE		MATERIAL	
1	32	3/8"Ø x 2" HEX HEAD BOLT		Galv. Steel	
2	32	3/8" HEX NUT		Galv. Steel	
3	32	3/8" LOCK WASHER		Galv. Steel	
4	32	5/16" I.D. x 7/8" O.D. WASHER		Galv. Steel	
5	32	NVAC FALLING STRUCTURAL MEMBER (TOP RAIL)		Galv. Steel	
6	9	GREENHOUSE STRUCTURAL OUTSIDE MEMBER		Galv. Steel	



DETAIL VIEW BOTTOM OF NVAC ROOF
TO SCALE

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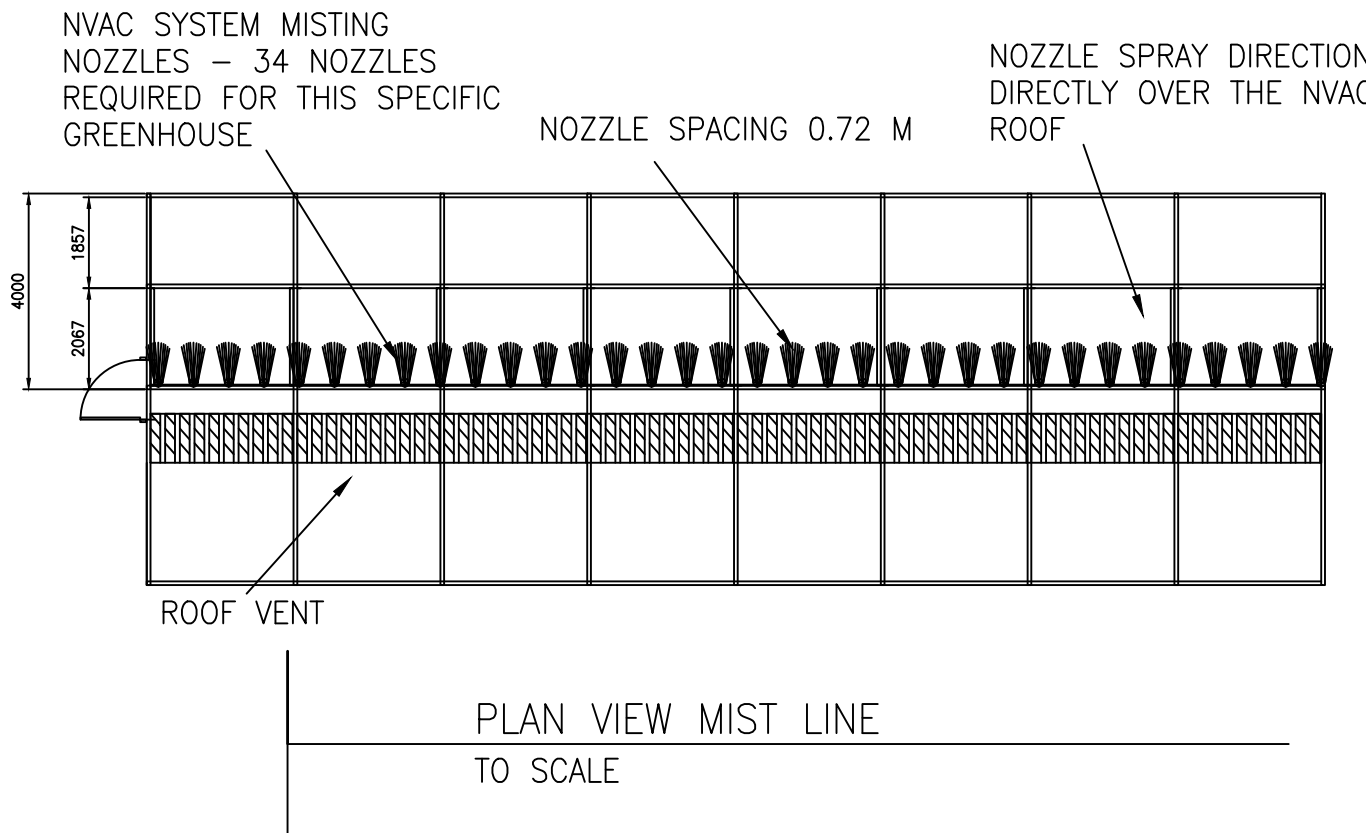
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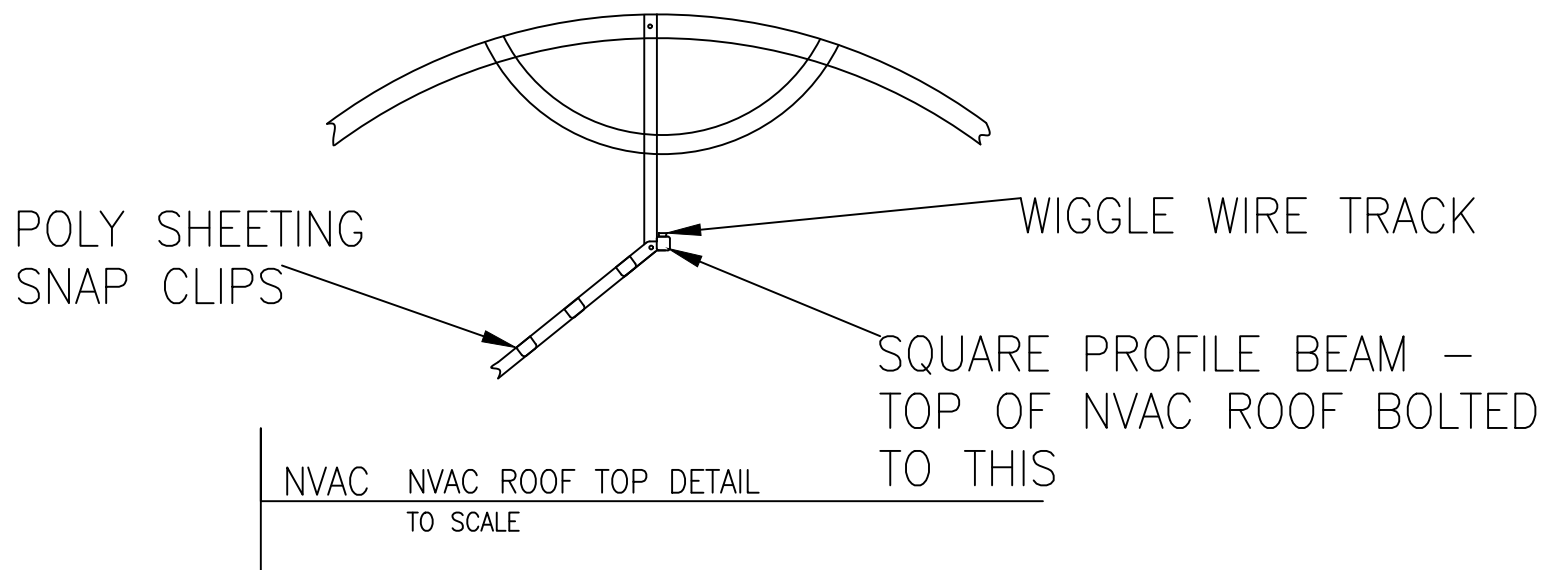
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6



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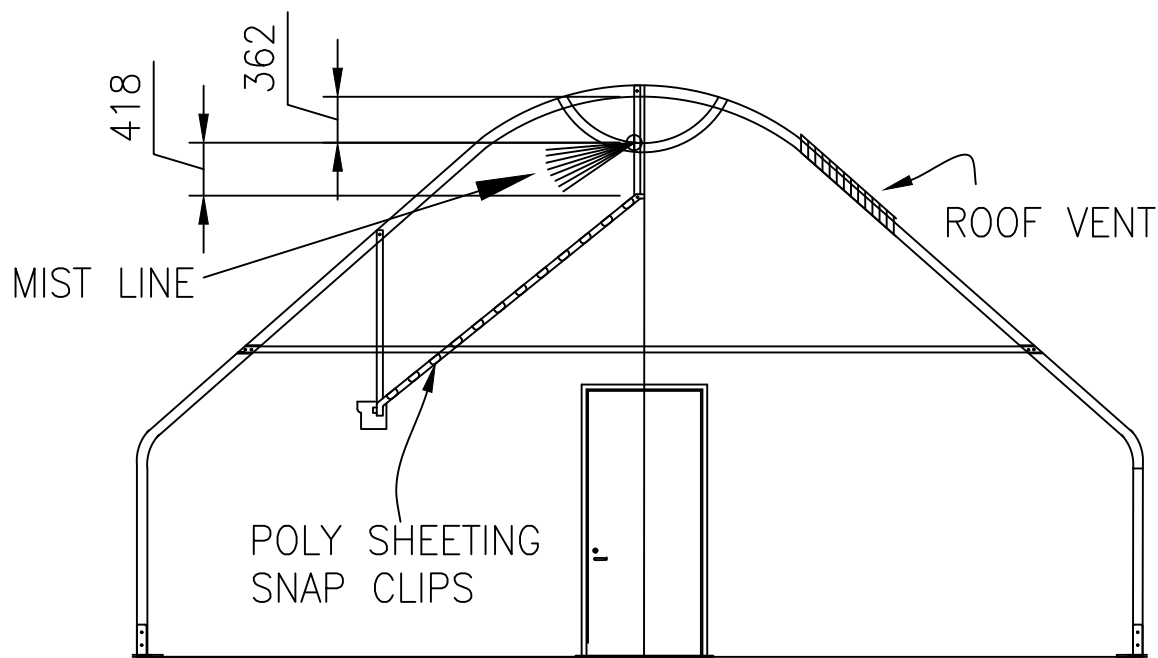
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NVAC NVAC MIST LINE DETAIL
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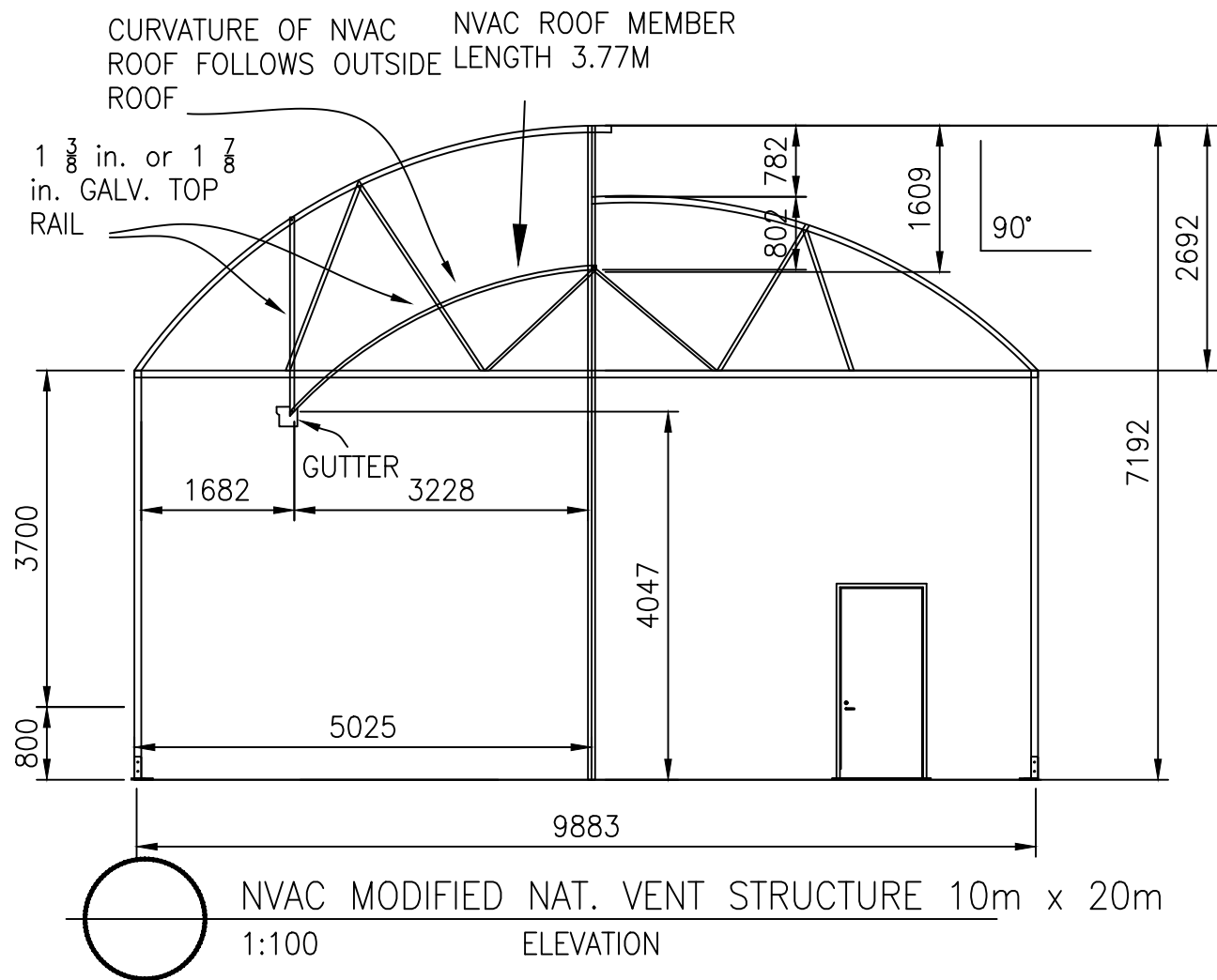
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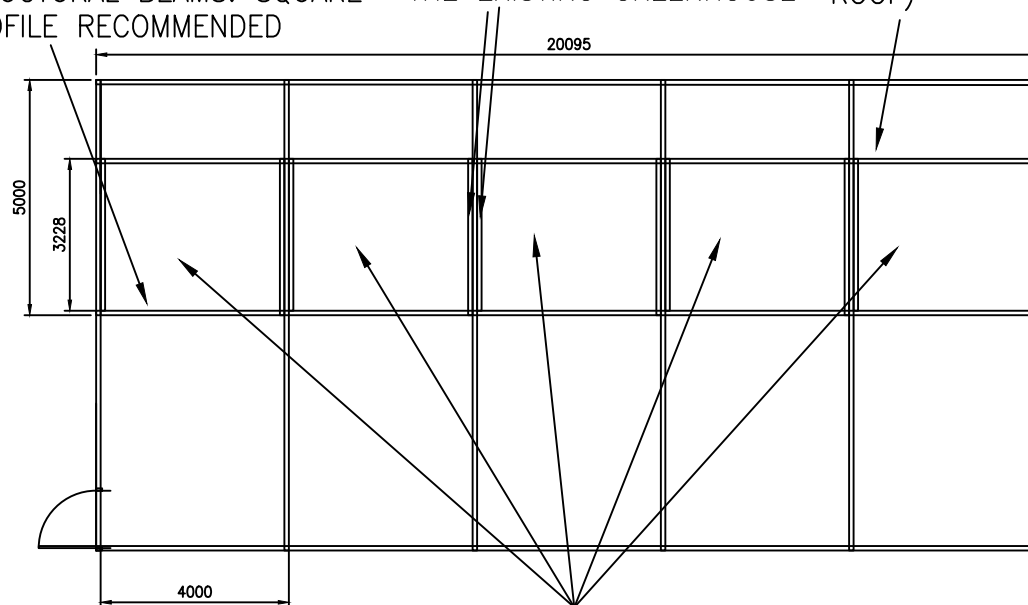
DATE	SCALE
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DRAWING #	1
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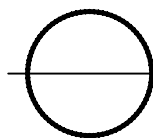
BOTTOM OF NVAC ROOF
BEAM DOES NOT NEED TO
BE AS STRUCTURALLY
STRONG AS OUTSIDE
STRUCTURAL BEAMS. SQUARE
PROFILE RECOMMENDED

NVAC ROOF BENT
STRUCTURAL MEMBER –
THERE IS ONE ON EACH
SIDE OF THE BRACING OF
THE EXISTING GREENHOUSE

SAME CRITERIA FOR TOP OF
NVAC ROOF (SEE BOTTOM OF
ROOF)



CUT SECTIONS OF
POLYETHYLENE SHEETING TO
FIT EACH SECTION OF THE
NVAC ROOF BETWEEN THE
EXISTING GREENHOUSE
BRACING



PLAN VIEW
TO SCALE

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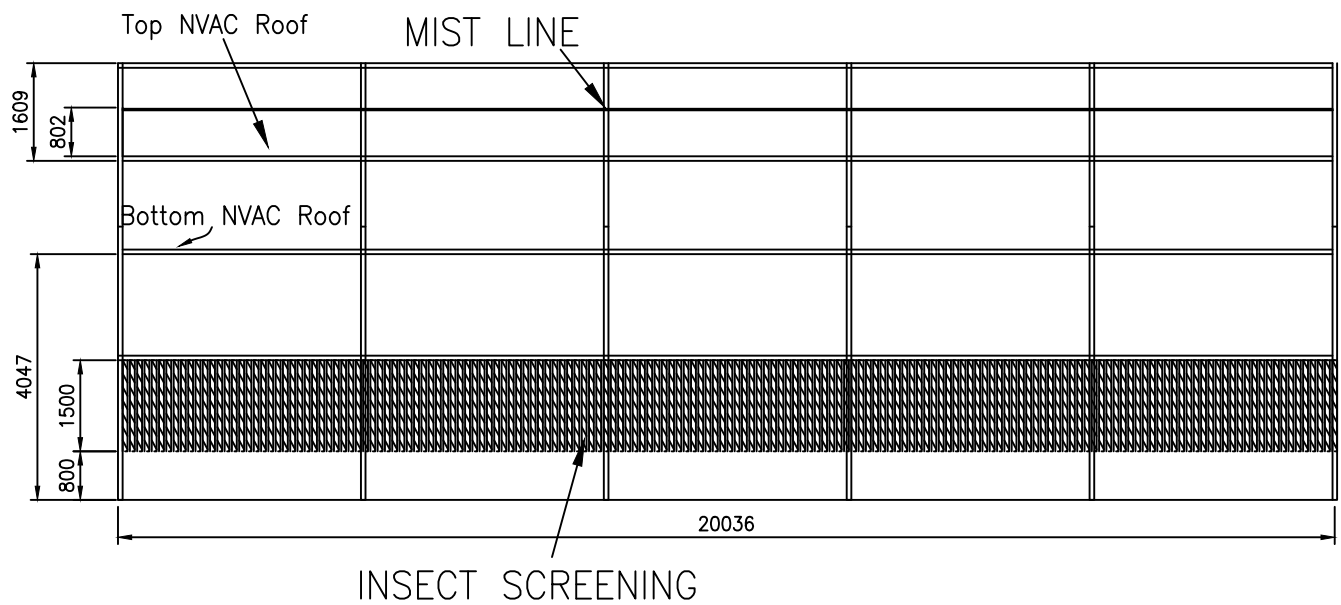
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DRAWING #	2
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○ ELEVATION
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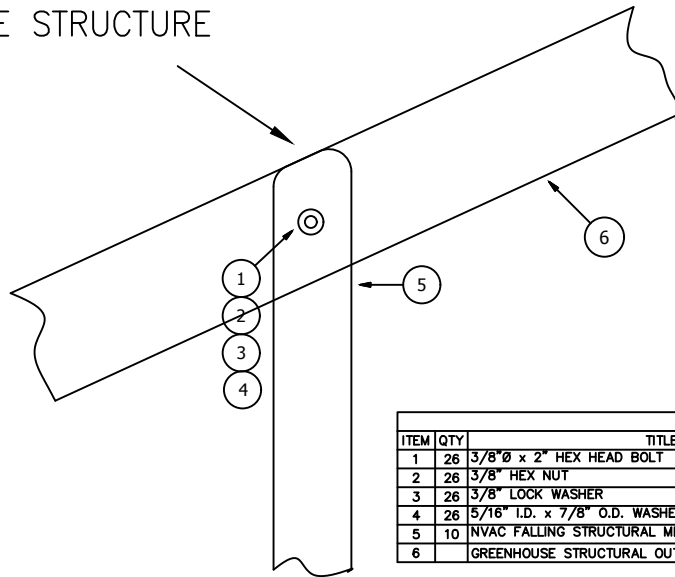
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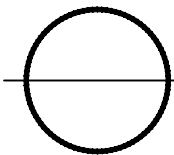
DATE	SCALE
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DRAWING #	3
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TOP OF SUPPORT BAR CAN
BE SLIGHTLY FLATTENED TO
EASE BOLTING TO
GREENHOUSE STRUCTURE



LIST OF MATERIALS					
ITEM	QTY	TITLE	MATERIAL		
1	26	3/8" Ø x 2" HEX HEAD BOLT	Galv. Steel		
2	26	3/8" HEX NUT	Galv. Steel		
3	26	3/8" LOCK WASHER	Galv. Steel		
4	26	5/16" I.D. x 7/8" O.D. WASHER	Galv. Steel		
5	10	NVAC FALLING STRUCTURAL MEMBER (TOP RAIL)	Galv. Steel		
6		GREENHOUSE STRUCTURAL OUTSIDE MEMBER	Galv. Steel		



DETAIL VIEW TOP OF SUPPORT BAR
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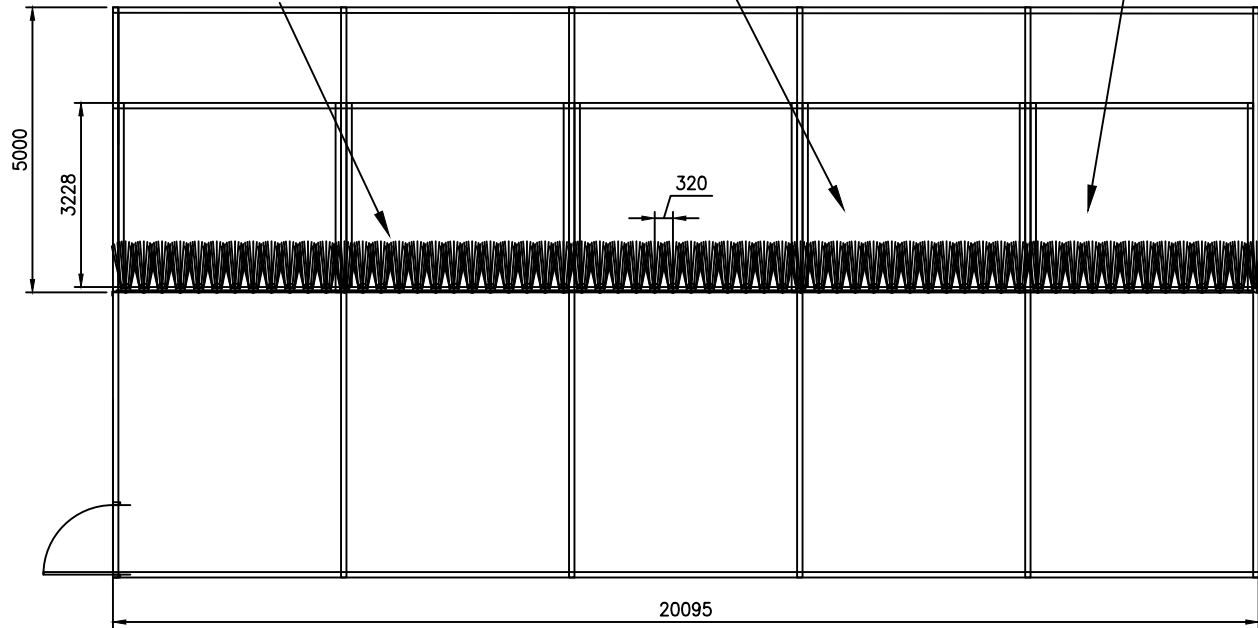
DRAWING #

4

NVAC SYSTEM MISTING
NOZZLES – 62 NOZZLES
REQUIRED FOR THIS SPECIFIC
GREENHOUSE

NOZZLE SPACING 0.32 M

NOZZLE SPRAY DIRECTION
DIRECTLY OVER THE NVAC
ROOF



PLAN VIEW MIST LINE
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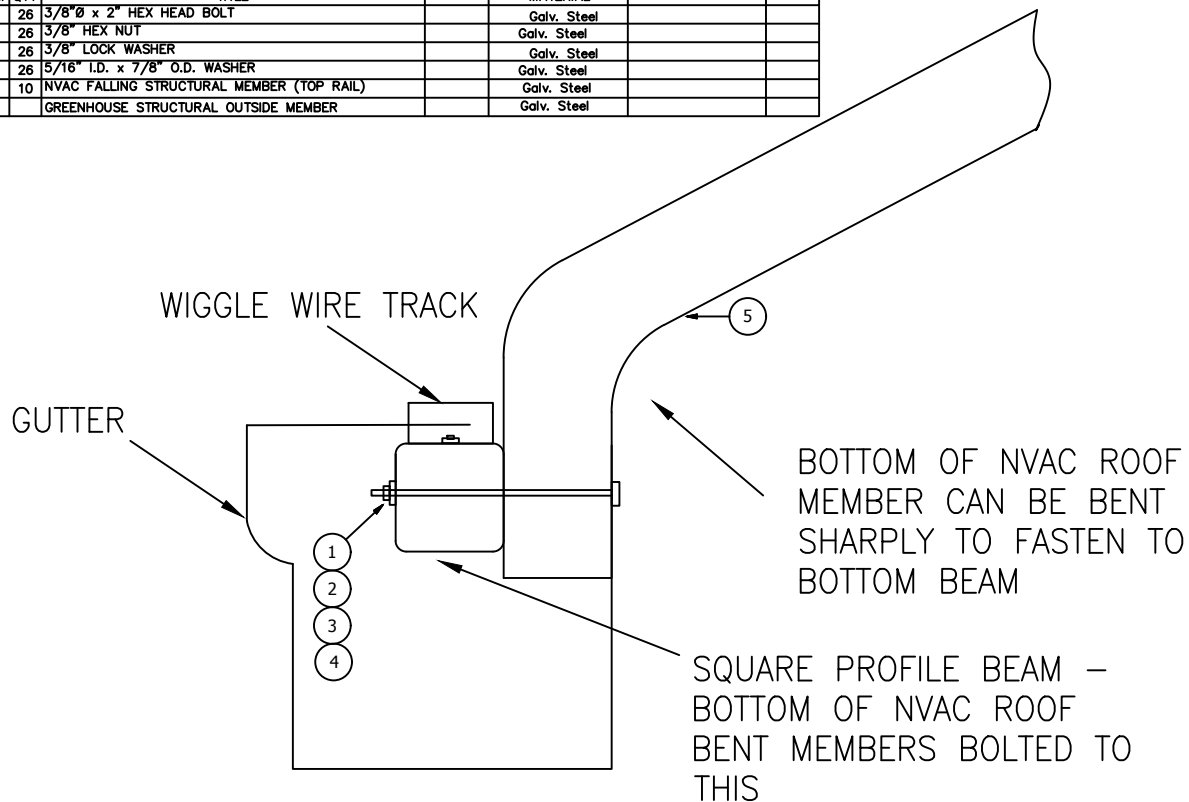
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DATE	SCALE
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DRAWING #	5
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LIST OF MATERIALS					
ITEM	QTY	TITLE	MATERIAL		
1	26	3/8"Ø x 2" HEX HEAD BOLT	Galv. Steel		
2	26	3/8" HEX NUT	Galv. Steel		
3	26	3/8" LOCK WASHER	Galv. Steel		
4	26	5/16" I.D. x 7/8" O.D. WASHER	Galv. Steel		
5	10	NVAC FALLING STRUCTURAL MEMBER (TOP RAIL)	Galv. Steel		
6		GREENHOUSE STRUCTURAL OUTSIDE MEMBER	Galv. Steel		



DETAIL VIEW BOTTOM OF NVAC ROOF
TO SCALE

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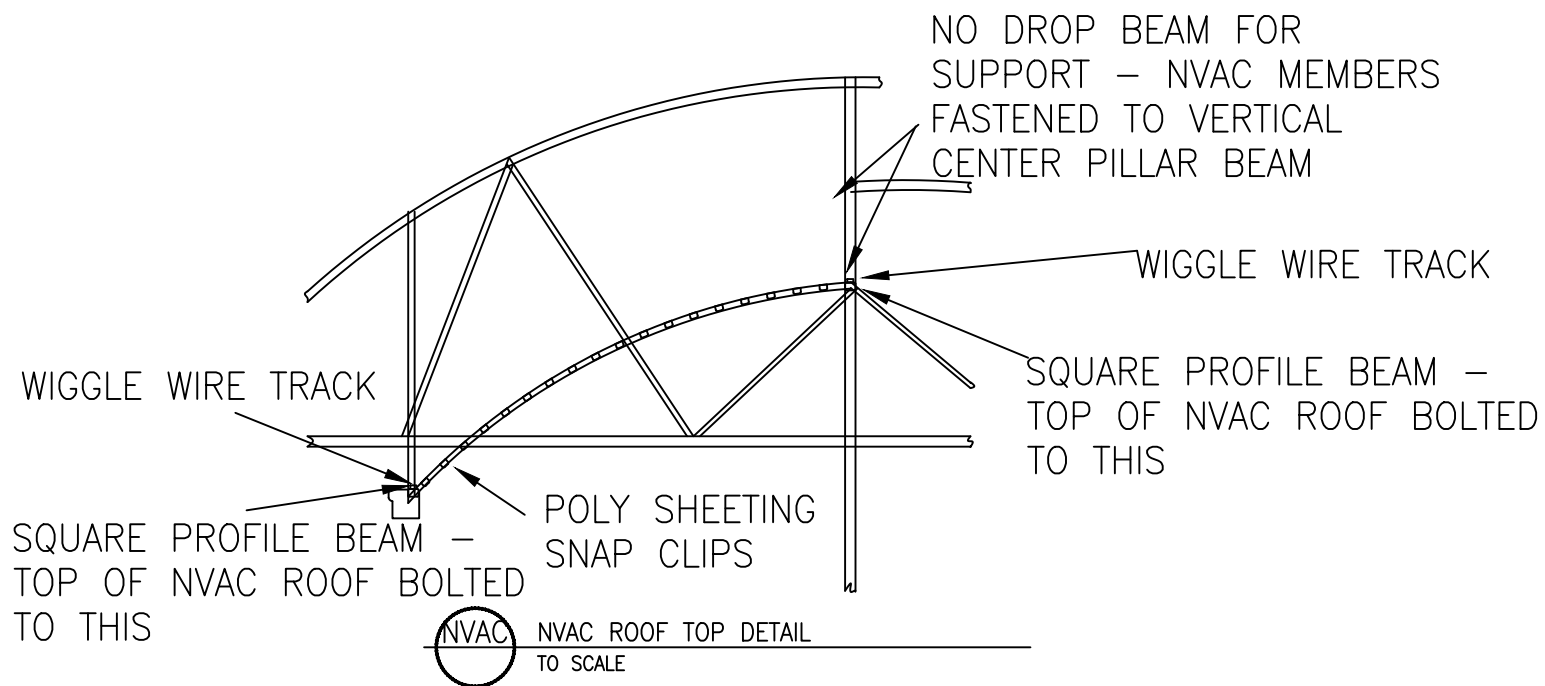
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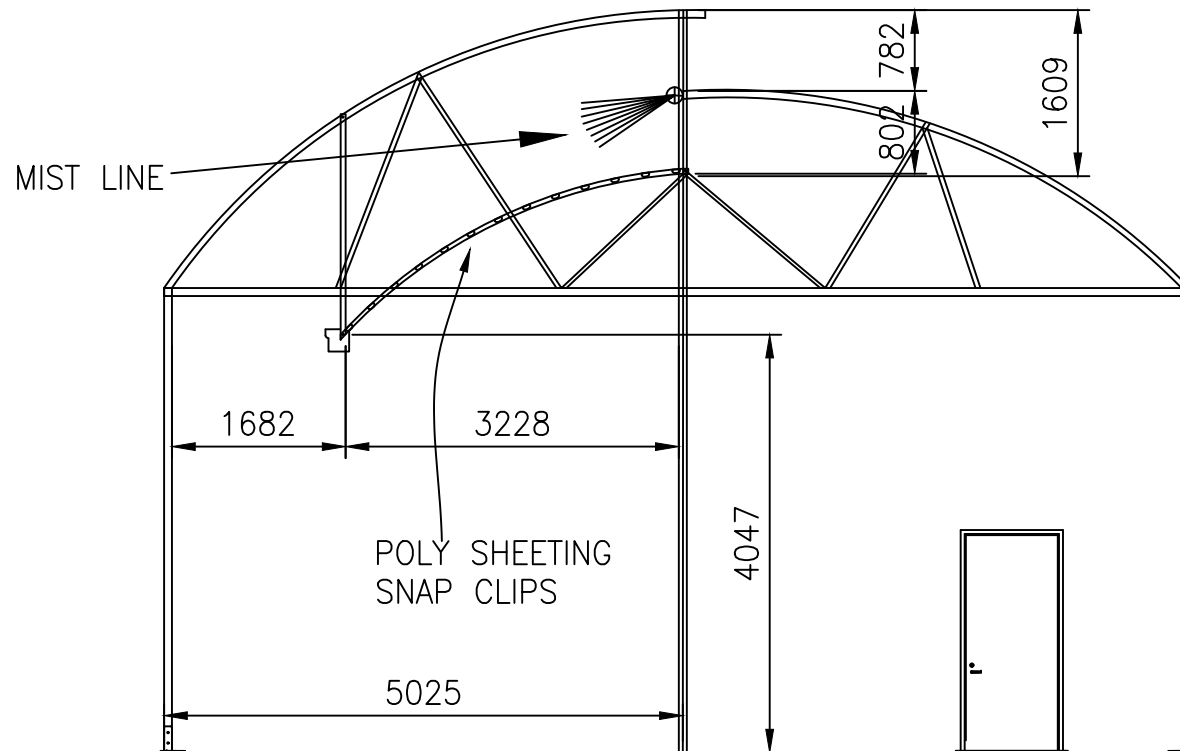
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NVAC MIST LINE DETAIL
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DRAWING #	8
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