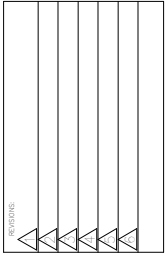


Wheaton & Sprague Engineering offers several levels of Building Information Modeling (BIM) services which can be customized to meet your specific needs. From standard system designs and mock-ups through project-level material take-offs, we can meet your project requirements.



BIM OPTIONS

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Bow, Ohio 44224
Ph: (330) 923-5560 Fx: (330) 923-5569



TITLE:
COVER SHEET

SCALE:

DRAWN BY: **WSE**

CHECKED BY: **RAS**

DATE:

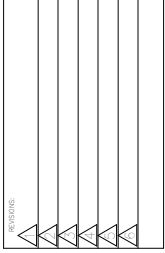
PROJECT NO: **BIM OPTIONS**

SHEET NO: **A100**



Building Envelope BIM Services
WHEATON SPRAGUE BUILDING ENVELOPE
 P: 330.923.5560 E: office@wheatonsprague.com

Product	WS1000	WS2000	WS3000	WS4000	WS5000
	Clash Detection Modeling	Clash Detection Modeling - Client Specific	Sales and Marketing Modeling	Construction Modeling and Shop	Material Take-Offs
Scope	Client's entire scope modeled	Client's entire scope modeled	Client-defined portion of project is modeled	Client's entire scope modeled	Client's entire scope modeled
Components	Models built using representative profiles. (schematic detail)	Models built using client-specific profiles and components.	Models built using client-specific profiles and components.	Models built using client-specific profiles and components. and system specific elements	Models built using client-specific profiles and components. and system specific elements
Elevations			Included for client-defined areas	Included	Included
Details	No requirements for Detail Components (views showing extrusions in detail) or Drafting views (linked or imported AutoCAD drawings).	No requirements for Detail Components (views showing extrusions in detail) or Drafting views (linked or imported AutoCAD drawings).	Sections and details are included to showcase features of the client's product for the project	Initially, sections and details show the actual cut or component at the locations identified. All sections, level and detail views show Detail Components. As the CAD details are completed, linked .dwg files, as Drafting Views, replace the actual section and detail views	Extrusion profiles are created in the CAD files to augment the Revit modeling procedure. Sections and details show the actual cut or component at the locations identified. All sections, level and detail views show Detail Components.
BOM					Parts lists and BOMs are extracted from Revit.
Sheet Count	Sheet count is low and only used for informational purposes or to identify complex conditions.	Sheet count is low and only used for informational purposes or to identify complex conditions.	The sheet count is determined by the customer requirements	The sheet count is high with required conditions identified and detailed	The sheet count is high with required conditions identified and detailed
Renderings			Renderings are used to showcase specific features of the project. Cut-away and element specific renderings are used to increase the "wow" factor.	Renderings are used to clarify complex conditions as needed, identify possible design or construction issues, and to showcase specific features	Renderings are used to clarify complex conditions as needed, identify possible design or construction issues, and to showcase specific features.
Collision Detection	Navisworks collision detection completed for WSE scope. Collision detection with other trades to be completed by others.	Navisworks collision detection completed for WSE scope. Collision detection with other trades to be completed by others.		Navisworks clash detection report completed for client's scope. Clash detection with other trades to be completed by others.	Navisworks clash detection report completed for client's scope. Clash detection with other trades to be completed by others.
Files	Files are sent to clients in Revit or Navisworks format as required.	Files are sent to clients in Revit or Navisworks format as required.	RVT, DWG, PDF, TIF, JPG or as required by project	RVT, DWG, PDF, TIF, JPG or as required by project	RVT, DWG, PDF, TIF, JPG or as required by project
Other					It is possible to incorporate information from other programs (finite element analysis, renderings, parts manuals, etc.). This will be determined and negotiated based on customer needs



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TITLE: **BIM LEVELS**

SCALE:

DRAWN BY: **WSE**

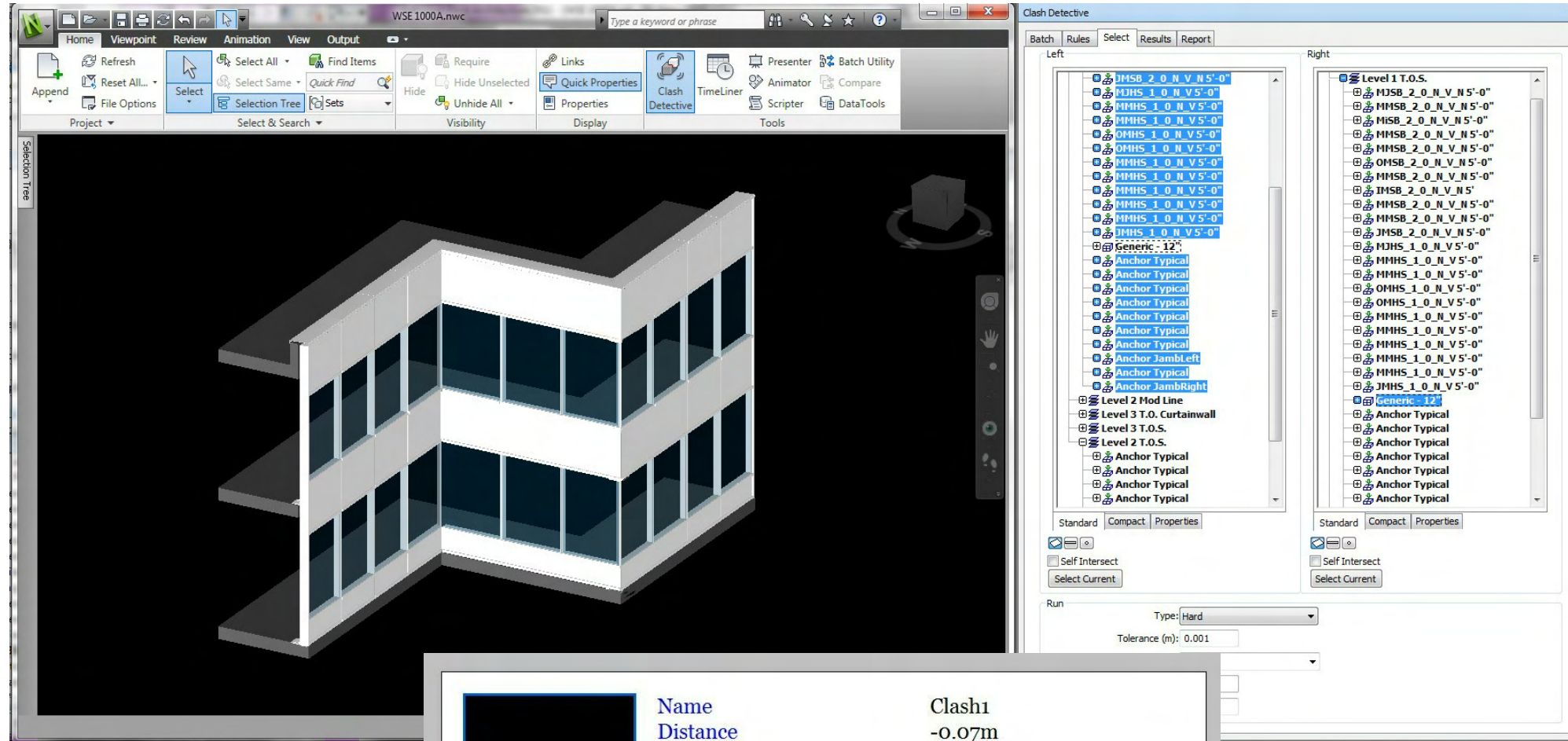
CHECKED BY: **RAS**

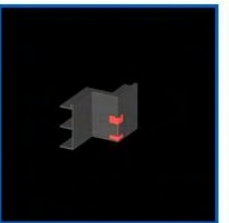
DATE:

PROJECT NO: **BIM OPTIONS**

SHEET NO: **A101**

At the 1000 level of BIM modeling, WSE provides a model and a clash detection report showing an absence of unacceptable clashes within the model itself.



	Name	Clash1
	Distance	-0.07m
	Description	Hard
	Status	New
	Clash Point	2.00m, 2.58m, 0.08m
	Date Created	2012/1/5 18:44:24
Item 1		
	Element ID	1530731
	Layer	Level 1 T.O.S.
	Item Name	MMSB_2_0_N_V_N 5'-0"
	Item Type	Composite Part
Item 2		
	Element ID	2778862
	Layer	Level 1 T.O.S.
	Item Name	OMSB_2_0_N_V_N 5'-0"
	Item Type	Composite Part

BIM OPTIONS

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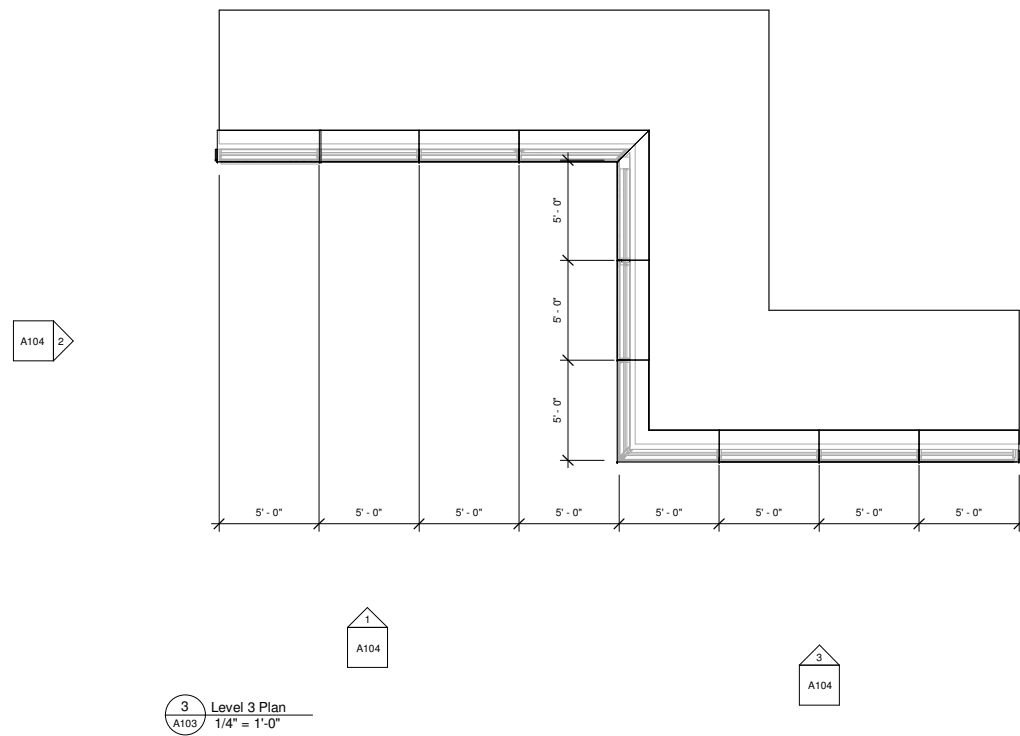
NAVISWORKS
 CLASH
 DETECTION

DRAWN BY: WSE
 CHECKED BY: RAS

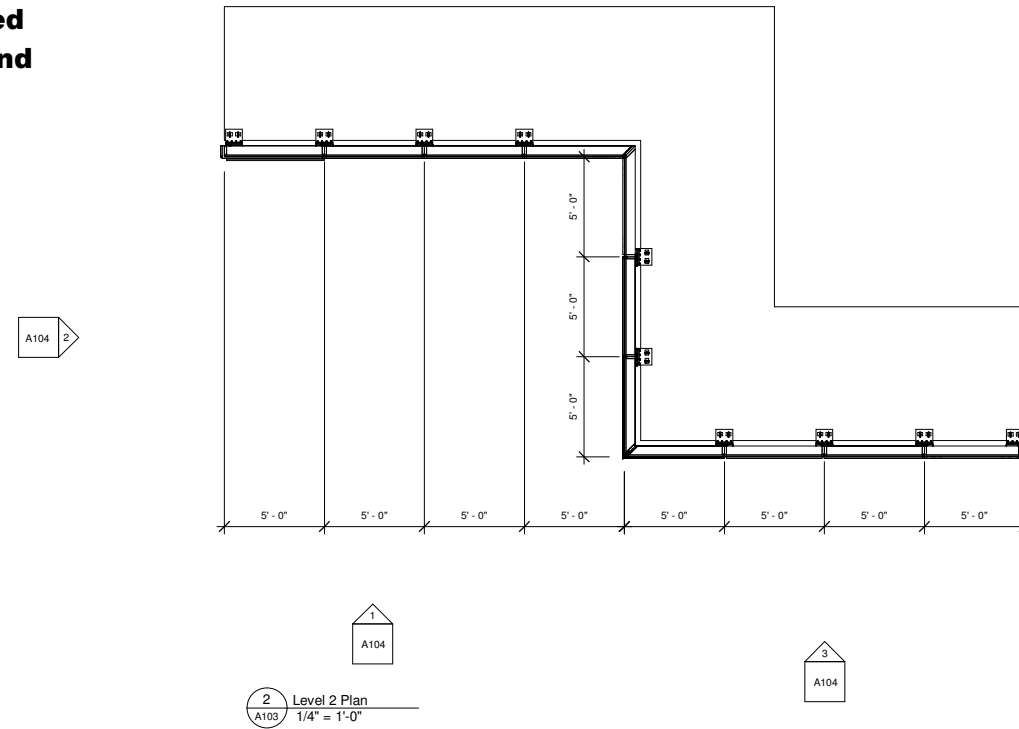
PROJECT NO:
 BIM OPTIONS

SHEET NO:
A102

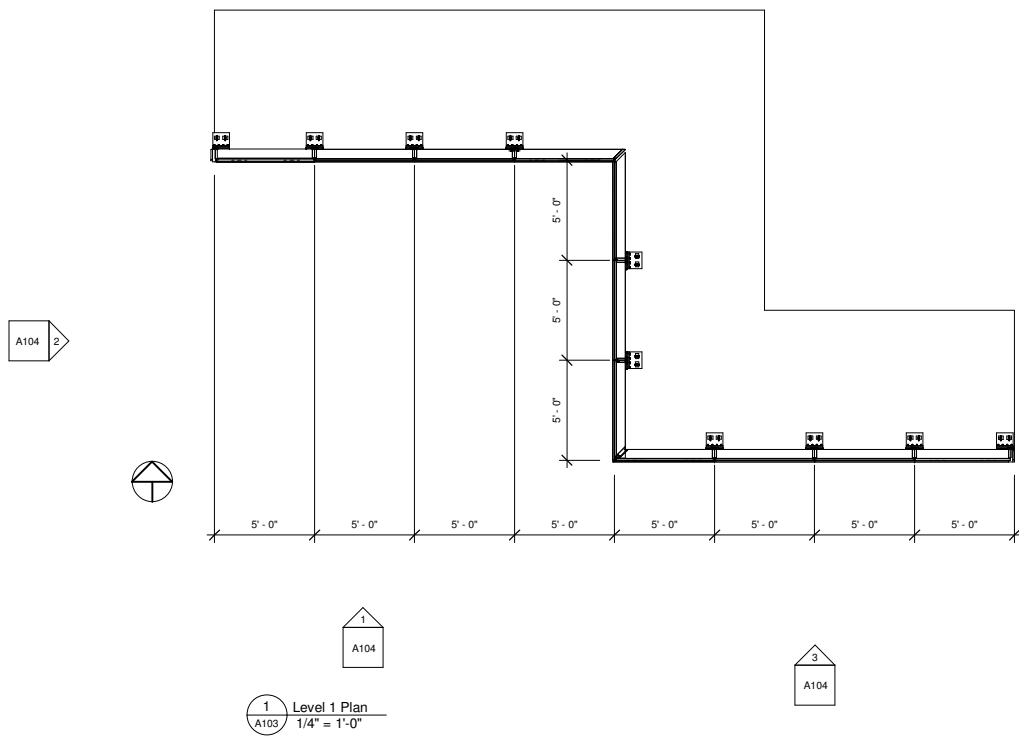
At the 3000 BIM level, plans and elevations are provided, as required, to call out special conditions. At the 4000 and 5000 levels, plans and elevations are provided to show all major conditions. Plans and elevations are not included at the 1000 and 2000 levels.



3 Level 3 Plan
A103 1/4" = 1'-0"



2 Level 2 Plan
A103 1/4" = 1'-0"



1 Level 1 Plan
A103 1/4" = 1'-0"

BIM OPTIONS

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TITLE:
FLOOR PLANS

SCALE:
1/4" = 1'-0"

DRAWN BY:
WSE

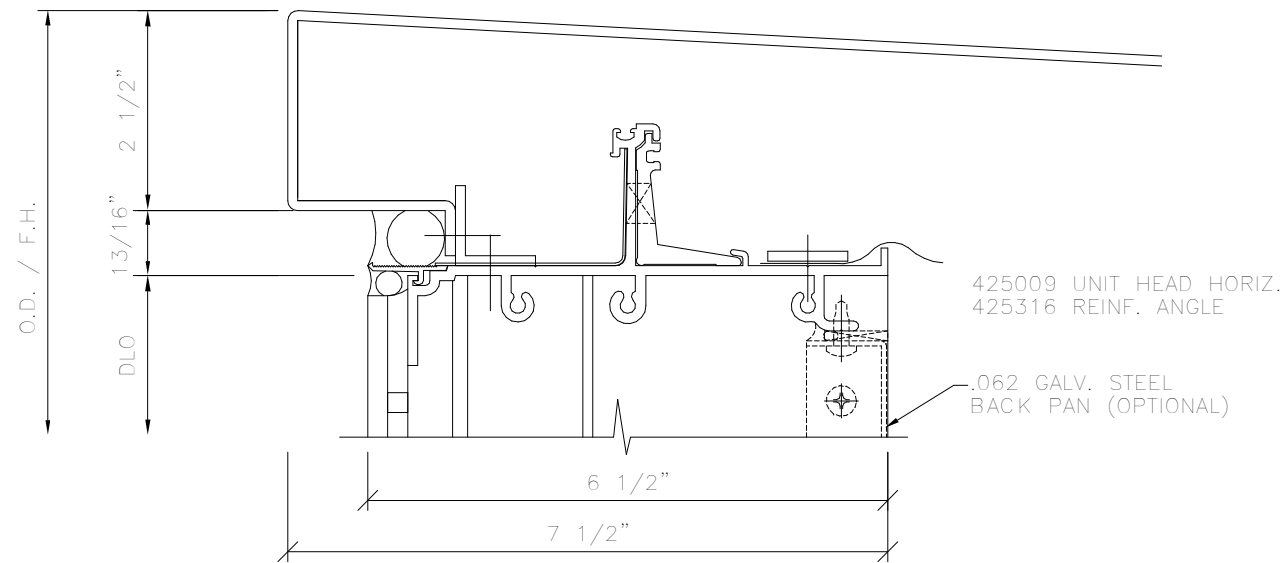
CHECKED BY:
RAS

DATE:

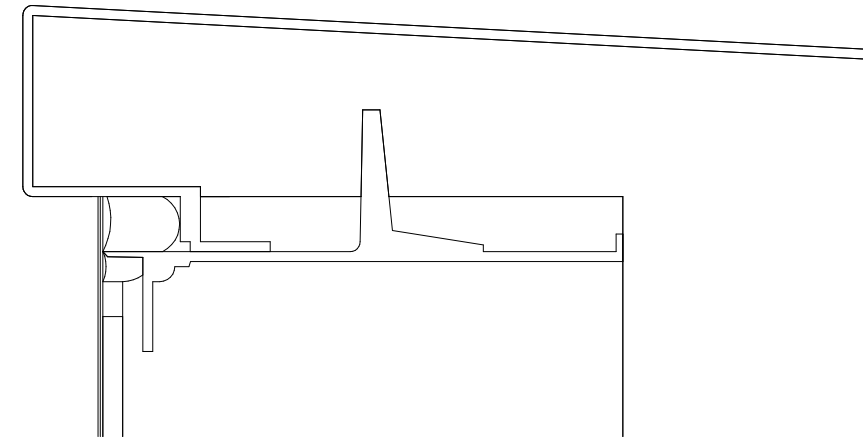
PROJECT NO:
BIM OPTIONS

SHEET NO:
A103

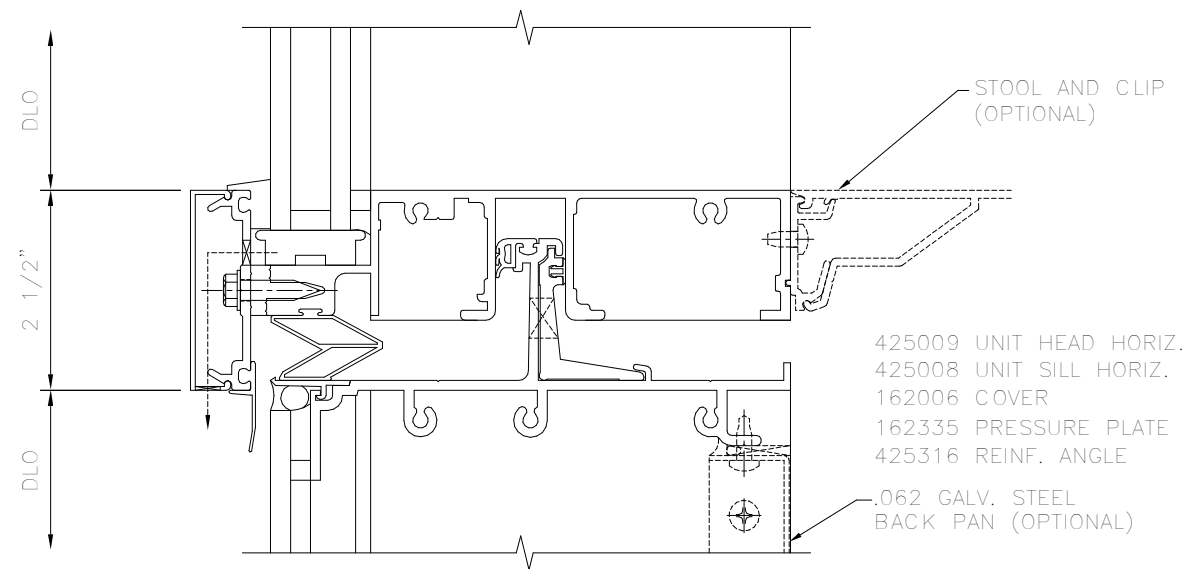
At the 1000 and 2000 levels, Simplified curtainwall components are included in the model, but detail sheets are not produced. At the 3000, 4000, and 5000 levels, complex components are created and may be linked to AutoCAD files when required.



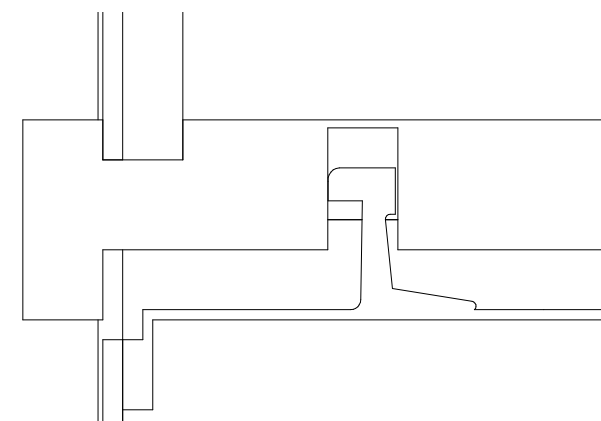
1 Section At Head And Coping
A105 12" = 1'-0"



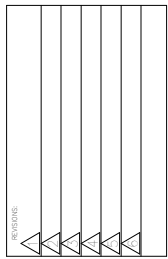
3 Section At Head And Coping
A105 12" = 1'-0"



2 Section at Stack Joint
A105 12" = 1'-0"



4 Section at Stack Joint
A105 12" = 1'-0"



BIM OPTIONS

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TITLE
SECTIONS AND DETAILS

SCALE
12" = 1'-0"

DRAWN BY: WSE

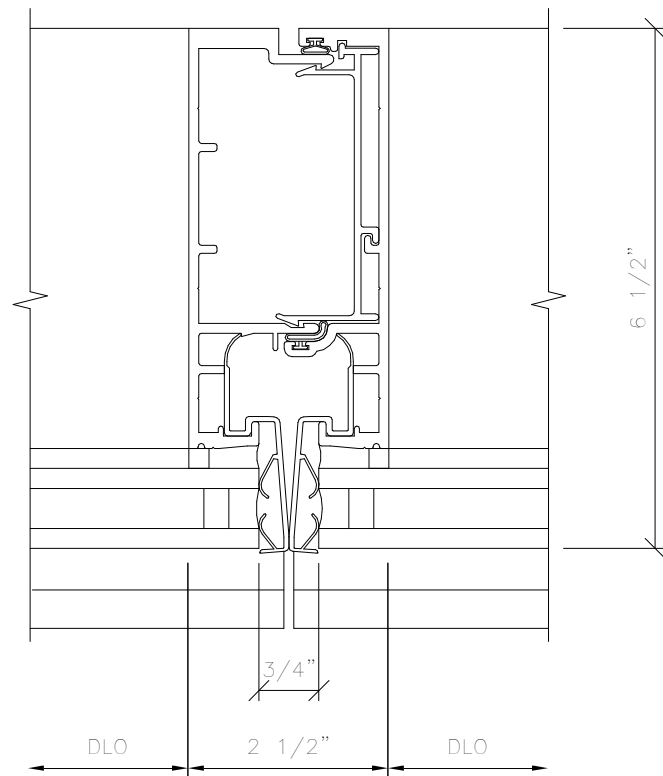
CHECKED BY: RAS

DATE:

PROJECT NO:
BIM OPTIONS

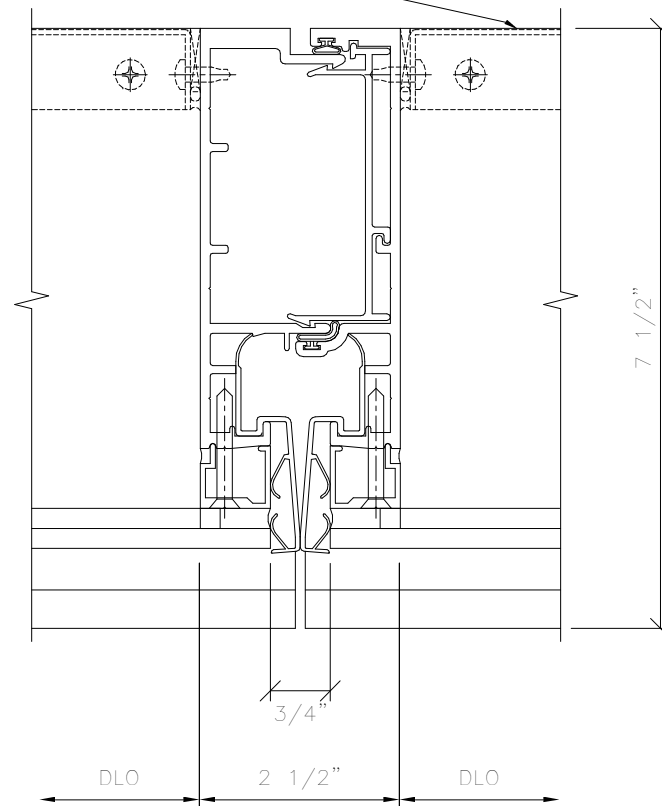
SHEET NO:
A105

425301 ANTI-BUCKLING CLIP
 425002 FEMALE MULLION HALF
 425001 MALE MULLION HALF



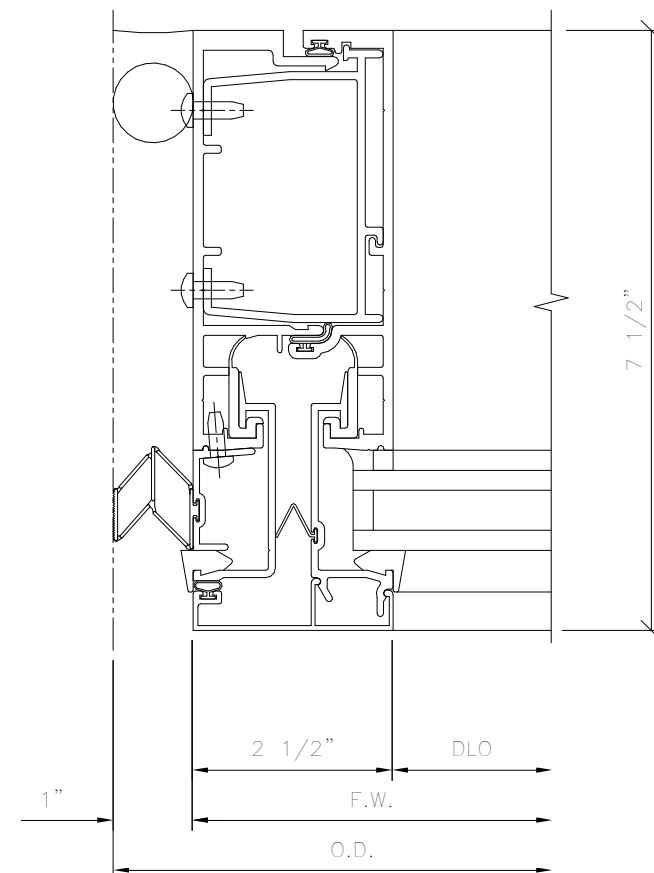
1 Vertical Mullion at Vision
 A107 12" = 1'-0"

425031 APAPTER
 425301 ANTI-BUCKLING CLIP
 425002 FEMALE MULLION HALF
 425001 MALE MULLION HALF
 .062 GALV. STEEL
 BACK PAN (OPTIONAL)

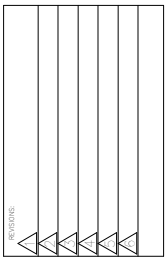


2 Vertical Mullion At Spandrel
 A107 12" = 1'-0"

425023 JAMB ADAPTER
 425303 LOCK JAMB CLIP
 425017 COVER
 425016 GLASS RETAINER
 425015 GLASS RETAINER
 425002 FEMALE MULLION HALF
 425001 MALE MULLION HALF



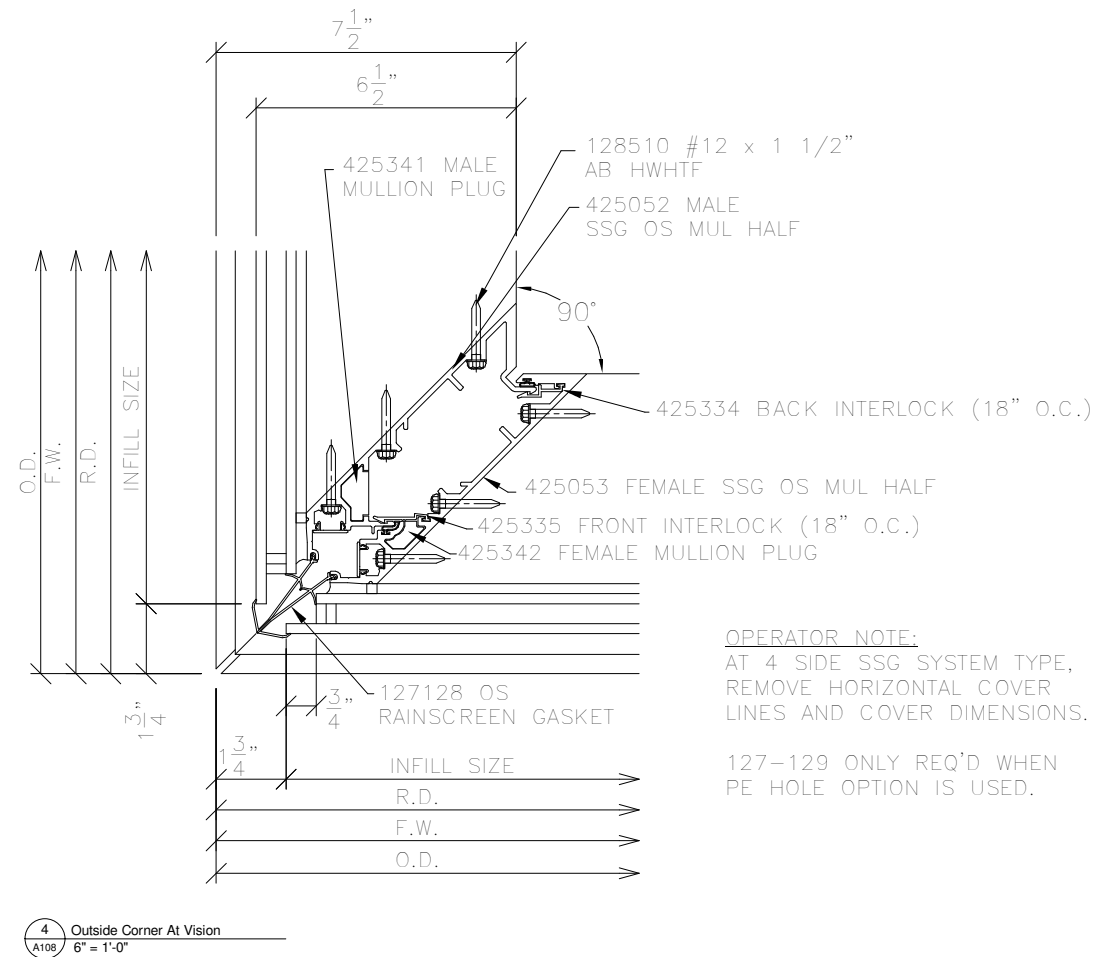
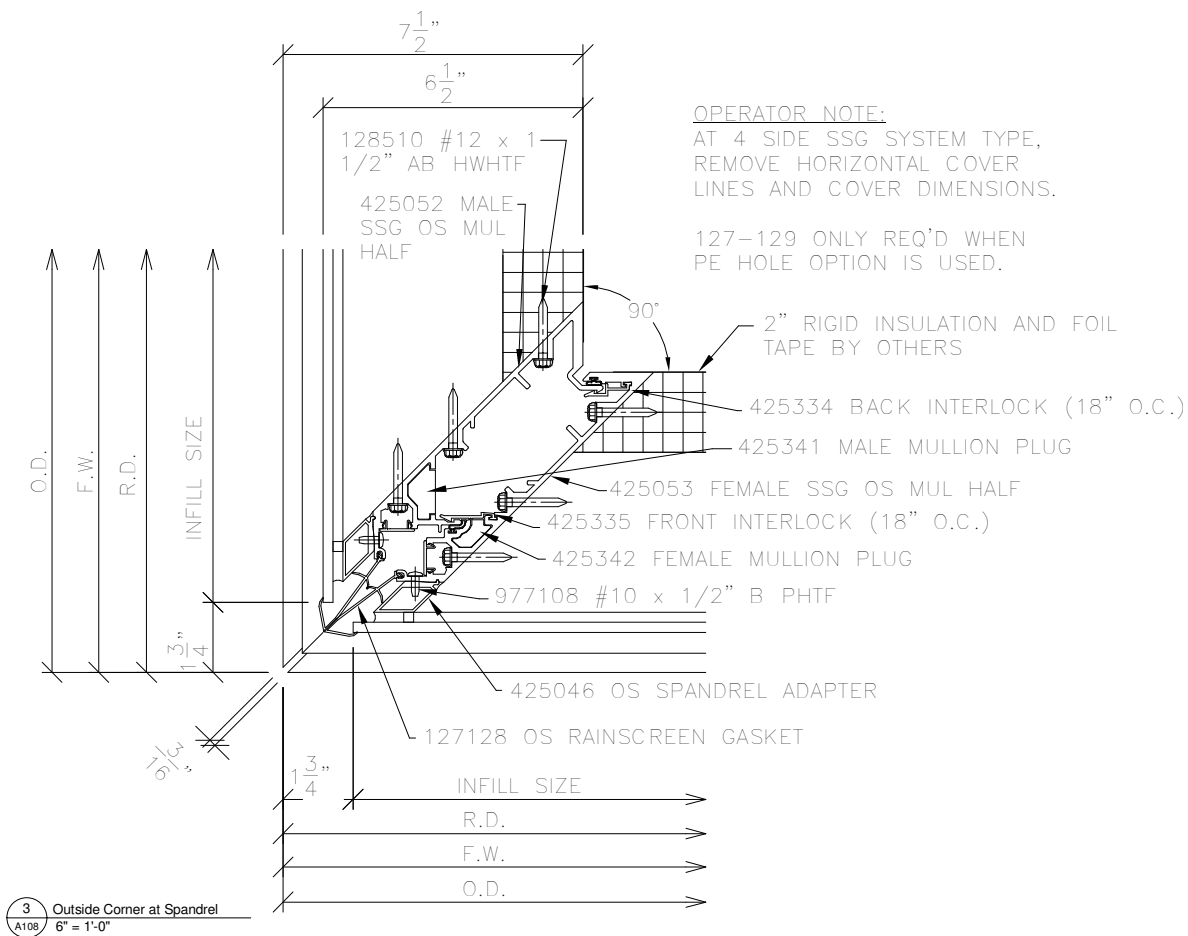
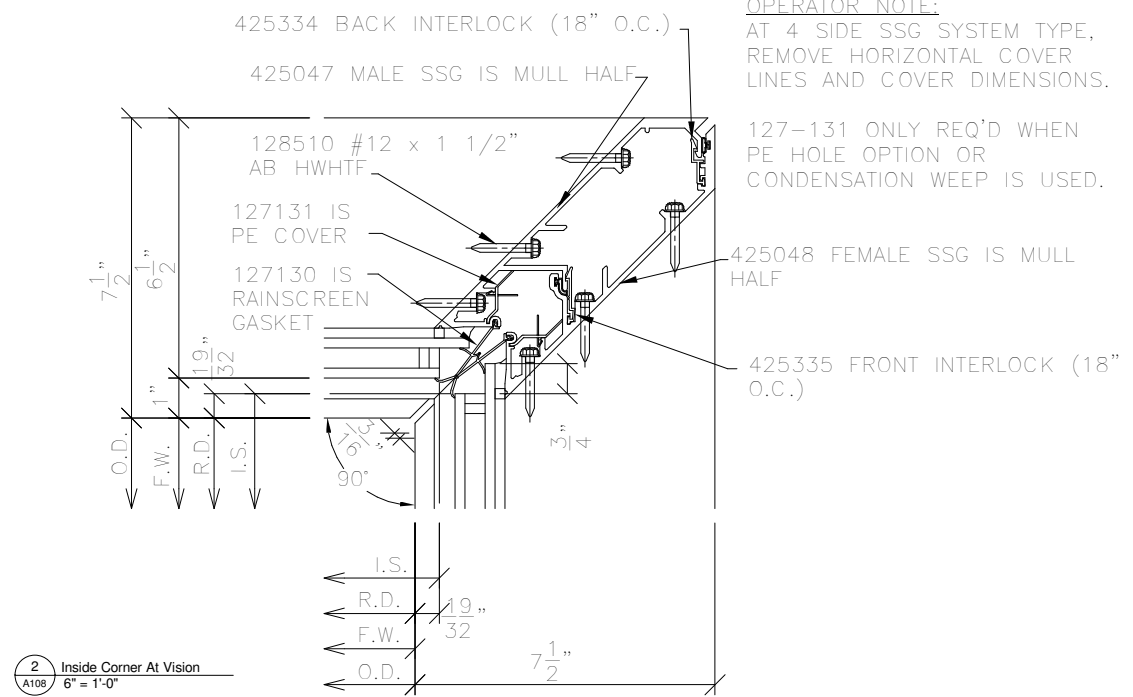
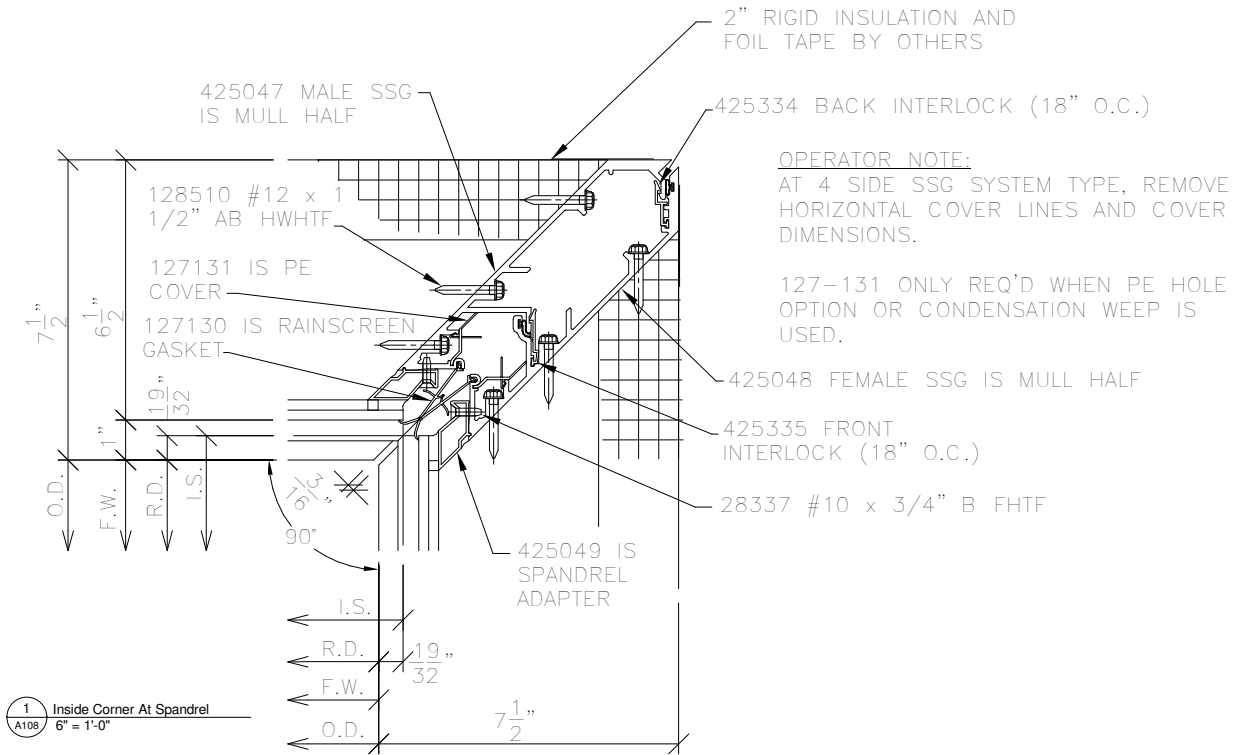
3 Mullion Jamb At Vison
 A107 12" = 1'-0"



BIM OPTIONS

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TITLE	SECTIONS AND DETAILS
SCALE	12" = 1'-0"
DRAWN BY:	WSE
CHECKED BY:	RAS
DATE:	
PROJECT NO:	BIM OPTIONS
SHEET NO:	A107



OPERATOR NOTE:
AT 4 SIDE SSG SYSTEM TYPE,
REMOVE HORIZONTAL COVER
LINES AND COVER DIMENSIONS.

OPERATOR NOTE:
AT 4 SIDE SSG SYSTEM TYPE, REMOVE
HORIZONTAL COVER LINES AND COVER
DIMENSIONS.

127-131 ONLY REQ'D WHEN PE HOLE
OPTION OR CONDENSATION WEEP IS
USED.

127-131 ONLY REQ'D WHEN
PE HOLE OPTION OR
CONDENSATION WEEP IS USED.

OPERATOR NOTE:
AT 4 SIDE SSG SYSTEM TYPE,
REMOVE HORIZONTAL COVER
LINES AND COVER DIMENSIONS.

127-129 ONLY REQ'D WHEN
PE HOLE OPTION IS USED.

OPERATOR NOTE:
AT 4 SIDE SSG SYSTEM TYPE,
REMOVE HORIZONTAL COVER
LINES AND COVER DIMENSIONS.

127-129 ONLY REQ'D WHEN
PE HOLE OPTION IS USED.

BIM OPTIONS

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**SECTIONS
AND
DETAILS**

SCALE:
6" = 1'-0"

DRAWN BY: WSE

CHECKED BY: RAS

DATE:

PROJECT NO: BIM OPTIONS

SHEET NO: A108

At the 3000 level and higher, renderings are provided to showcase specific features, clarify complex conditions or show the overall design concept.



1 Coping
A109 N.T.S.



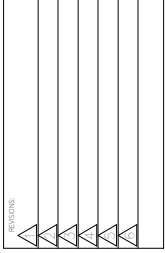
2 Exterior View
A109 N.T.S.



3 Interior View
A109 N.T.S.



4 Exterior View
A109 N.T.S.



BIM OPTIONS

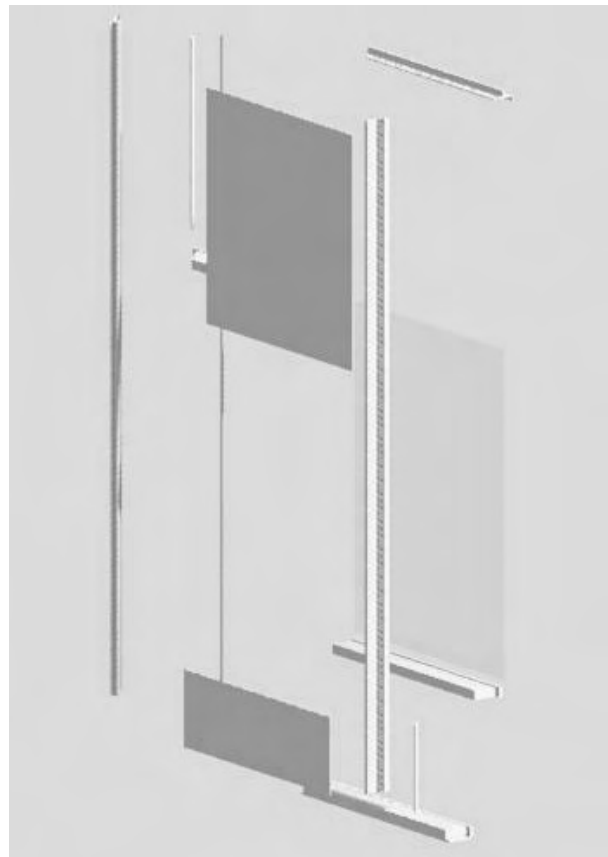
Wheaton & Sprague Engineering, Inc.
1100 Campus Drive, Suite 200
Stow, Ohio 44224
Ph: (330) 923-5560 Fx: (330) 923-5569



TITLE:	RENDERINGS
SCALE:	As indicated
DRAWN BY:	WSE
CHECKED BY:	RAS
DATE:	
PROJECT NO.:	BIM OPTIONS
SHEET NO.:	A109

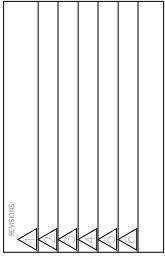
At the 5000 level, individual parts are modeled and information provided for material ordering. Part schedules are provided showing all components required to complete the project.

Gasket Schedule																													
Family	Count	G1	G1 Unit Length	G2	G2 Unit Length	G3	G3 Unit Length	G4	G4 Unit Length	G5	G5 Unit Length	G6	G6 Unit Length	G7	G7 Unit Length	G8	G8 Unit Length	G9	G9 Unit Length	G10	G10 Unit Length	G11	G11 Unit Length	G12	G12 Unit Length	G127128	G127128 Unit Length	G127130	G127130 Unit Length
IMSB_2_0_N_V_N	1	0	0'-0"	0	0'-0"	2	25'-9 1/2"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	1	12'-10 3/4"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	1	12'-10 3/4"
JMHS_1_0_N_V	1	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"
JMSB_2_0_N_V_N	1	1	12'-10 3/4"	2	25'-9 1/2"	1	12'-10 3/4"	3	38'-8 1/4"	0	0'-0"	1	12'-10 3/4"	1	12'-10 3/4"	1	12'-10 3/4"	2	9'-11 1/2"	5	9'-11 1/2"	2	9'-11 1/2"	0	0'-0"	0	0'-0"	0	0'-0"
MISB_2_0_N_V_N	1	2	25'-9 1/2"	1	12'-10 3/4"	0	0'-0"	3	38'-8 1/4"	0	0'-0"	0	0'-0"	2	25'-9 1/2"	1	12'-10 3/4"	0	0'-0"	0	0'-0"	2	9'-11 1/2"	0	0'-0"	1	12'-10 3/4"	1	12'-10 3/4"
MJHS_1_0_N_V	1	3	32'-10 1/2"	3	32'-10 1/2"	2	21'-11"	0	0'-0"	2	21'-11"	0	0'-0"	1	10'-11 1/2"	1	10'-11 1/2"	0	0'-0"	2	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"
MJSB_2_0_N_V_N	1	1	12'-10 3/4"	0	0'-0"	4	51'-7"	2	25'-9 1/2"	0	0'-0"	3	38'-8 1/4"	1	12'-10 3/4"	2	25'-9 1/2"	2	9'-11 1/2"	2	9'-11 1/2"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"
MMHS_1_0_N_V	5	10	109'-7"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	10	109'-7"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"
MIHS_1_0_N_V	1	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"
IMHS_1_0_N_V	1	0	0'-0"	0	0'-0"	2	21'-11"	0	0'-0"	0	0'-0"	1	10'-11 1/2"	0	0'-0"	1	10'-11 1/2"	0	0'-0"	3	0'-0"	0	0'-0"	1	4'-11 3/4"	0	0'-0"	1	10'-11 1/2"
MMSB_2_0_N_V_N	5	20	257'-11"	15	193'-5 1/4"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	10	128'-11 1/2"	10	49'-9 1/2"	20	49'-9 1/2"	25	124'-5 3/4"	0	0'-0"	0	0'-0"	0	0'-0"
MOSB_2_0_N_V_N	1	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"
OMHS_1_0_N_V	1	0	0'-0"	2	21'-11"	4	43'-10"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	1	10'-11 1/2"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	0	0'-0"	1	10'-11 1/2"
MOHS_1_0_N_V	1	3	32'-10 1/2"	3	32'-10 1/2"	2	21'-11"	1	10'-11 1/2"	0	0'-0"	0	0'-0"	0	0'-0"	1	10'-11 1/2"	2	9'-11 1/2"	5	9'-11 1/2"	1	4'-11 3/4"	1	4'-11 3/4"	0	0'-0"	1	10'-11 1/2"
OMSB_2_0_N_V_N	1	3	38'-8 1/4"	2	25'-9 1/2"	2	25'-9 1/2"	2	25'-9 1/2"	0	0'-0"	0	0'-0"	2	25'-9 1/2"	1	12'-10 3/4"	2	9'-11 1/2"	5	9'-11 1/2"	2	9'-11 1/2"	1	4'-11 3/4"	0	0'-0"	1	12'-10 3/4"
Grand total:	22	43	523'-6 1/4"	28	345'-7"	19	225'-7 3/4"	11	139'-11"	2	21'-11"	5	62'-6 1/2"	7	88'-4"	30	359'-9"	18	89'-7 1/2"	42	89'-7 1/2"	32	159'-4"	3	14'-11 1/4"	1	12'-10 3/4"	6	71'-6 3/4"



2 Exploded Panel
A110 12" = 1'-0"

Fastener Schedule																			
Family	Count	FAS1	FAS1 Unit Qty	FAS2	FAS2 Unit Qty	FAS3	FAS3 Unit Qty	FAS4	FAS4 Unit Qty	FAS5	FAS5 Unit Qty	FAS6	FAS6 Unit Qty	FAS7	FAS7 Unit Qty	FAS8	FAS8 Unit Qty	FAS9	FAS9 Unit Qty
IMSB_2_0_N_V_N	1	0	1	1	14	0	2	0	1	0	1	0	0	0	0	0	0	0	0
JMHS_1_0_N_V	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JMSB_2_0_N_V_N	1	2	27	1	14	2	28	0	1	3	16	0	0	0	0	0	0	0	0
MISB_2_0_N_V_N	1	3	40	2	27	3	41	0	1	4	21	3	16	3	16	0	0	0	0
MJHS_1_0_N_V	1	3	34	2	23	3	35	1	12	0	1	2	11	3	16	0	0	0	0
MJSB_2_0_N_V_N	1	3	40	2	27	3	41	1	14	0	1	2	11	3	16	2	11	0	0
MMHS_1_0_N_V	5	0	5	0	5	0	10	0	5	0	5	0	0	0	0	0	0	10	55
MIHS_1_0_N_V	1	0	1	0	1	0	2	0	1	0	1	0	0	0	0	0	0	0	0
IMHS_1_0_N_V	1	1	12	0	1	0	2	0	1	2	11	0	0	0	0	0	0	3	16
MMSB_2_0_N_V_N	5	15	200	10	135	150	1945	5	70	0	5	0	0	0	0	15	80	10	55
MOSB_2_0_N_V_N	1	0	1	0	1	0	2	0	1	0	1	0	0	0	0	0	0	0	0
OMHS_1_0_N_V	1	6	67	2	23	3	35	1	12	0	1	0	0	2	11	3	16	0	0
MOHS_1_0_N_V	1	4	45	2	23	0	2	2	23	2	11	0	0	0	0	0	0	3	16
OMSB_2_0_N_V_N	1	0	1	0	1	0	2	0	1	0	1	0	0	0	0	0	0	0	0
Grand total:	22	37	474	22	295	164	2147	10	143	11	76	7	38	11	59	20	107	26	142



BIM OPTIONS

Wheaton & Sprague Engineering, Inc.
1100 Campus Drive, Suite 200
Bowling Green, Ohio 44224
Ph: (330) 923-5560 Fax: (330) 923-5569

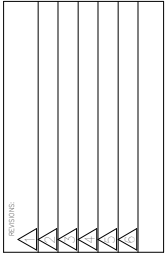


TITLE:	SCHEDULES
SCALE:	12" = 1'-0"
DRAWN BY:	WSE
CHECKED BY:	RAS
DATE:	
PROJECT NO.:	BIM OPTIONS
SHEET NO.:	A110

At the 5000 level, individual parts are modeled and information provided for material ordering. Part schedules are provided showing all components required to complete the project.

		Extrusions																							
Family	Count	_127131	_127131 Unit Length	_162006	_162006 Unit Length	_162335	_162335 Unit Length	_425001	425001 Unit Length	_425002	425002 Unit Length	_425008	_425008 Unit Length	_425009	_425009 Unit Length	_425017	425017 Unit Length	_425014	_425014 Unit Length	_425015	425015 Unit Length	_425016	425016 Unit Length	_425023	425023 Unit Length
IMHS_1_0_N_V	1	1	10' - 11 1/2"	2	9' - 8 3/4"	2	9' - 8 3/4"	0	0' - 0"	0	0' - 0"	3	14' - 4 1/2"	2	9' - 11 1/2"	0	0' - 0"	1	4' - 9 1/2"	0	0' - 0"	0	0' - 0"	0	0' - 0"
IMSB_2_0_N_V_N	1	1	12' - 10 3/4"	3	14' - 7 1/8"	3	14' - 7 1/8"	0	0' - 0"	0	0' - 0"	1	4' - 9 1/2"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	1	12' - 10 3/4"
JMHS_1_0_N_V	1	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"
JMSB_2_0_N_V_N	1	0	0' - 0"	1	4' - 8 1/8"	1	4' - 8 1/8"	2	25' - 9 1/2"	1	12' - 10 3/4"	2	9' - 2 1/2"	3	14' - 11 1/4"	1	12' - 10 3/4"	2	9' - 2 1/2"	1	12' - 10 3/4"	1	12' - 10 3/4"	1	12' - 10 3/4"
MIHS_1_0_N_V	1	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"
MISB_2_0_N_V_N	1	1	12' - 10 3/4"	3	14' - 7 1/8"	0	0' - 0"	0	0' - 0"	1	12' - 10 3/4"	0	0' - 0"	1	4' - 11 3/4"	0	0' - 0"	2	9' - 7"	0	0' - 0"	0	0' - 0"	0	0' - 0"
MJHS_1_0_N_V	1	0	0' - 0"	2	9' - 4 1/4"	2	9' - 4 1/4"	2	21' - 11"	1	10' - 11 1/2"	1	4' - 7 1/4"	1	4' - 11 3/4"	1	10' - 11 1/2"	1	4' - 7 1/4"	2	21' - 11"	1	10' - 11 1/2"	1	10' - 11 1/2"
MJSB_2_0_N_V_N	1	0	0' - 0"	3	14' - 0 3/8"	3	14' - 0 3/8"	1	12' - 10 3/4"	2	25' - 9 1/2"	1	4' - 7 1/4"	1	4' - 11 3/4"	0	0' - 0"	2	9' - 2 1/2"	1	12' - 10 3/4"	1	12' - 10 3/4"	1	12' - 10 3/4"
MMHS_1_0_N_V	5	0	0' - 0"	15	72' - 11 5/8"	15	72' - 11 5/8"	5	54' - 9 1/2"	5	54' - 9 1/2"	5	23' - 11 1/2"	5	24' - 10 3/4"	0	0' - 0"	5	23' - 11 1/2"	0	0' - 0"	0	0' - 0"	0	0' - 0"
MMSB_2_0_N_V_N	5	0	0' - 0"	15	72' - 11 5/8"	10	48' - 7 3/4"	5	64' - 5 3/4"	5	64' - 5 3/4"	10	47' - 11"	5	24' - 10 3/4"	0	0' - 0"	10	47' - 11"	0	0' - 0"	0	0' - 0"	0	0' - 0"
MOHS_1_0_N_V	1	0	0' - 0"	2	9' - 0 3/8"	2	9' - 0 3/8"	0	0' - 0"	1	10' - 11 1/2"	0	0' - 0"	2	9' - 11 1/2"	0	0' - 0"	2	8' - 10 5/8"	0	0' - 0"	0	0' - 0"	0	0' - 0"
MOSB_2_0_N_V_N	1	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"
OMHS_1_0_N_V	1	1	10' - 11 1/2"	0	0' - 0"	0	0' - 0"	1	10' - 11 1/2"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"
OMSB_2_0_N_V_N	1	0	0' - 0"	3	14' - 7 1/8"	3	14' - 7 1/8"	1	12' - 10 3/4"	0	0' - 0"	0	0' - 0"	2	9' - 11 1/2"	0	0' - 0"	2	9' - 7"	0	0' - 0"	0	0' - 0"	0	0' - 0"
Grand total: 22		4	47' - 8 1/2"	49	236' - 6 1/2"	41	197' - 7 1/2"	17	203' - 8 3/4"	16	192' - 9 1/4"	23	109' - 5 1/2"	22	109' - 6 1/2"	2	23' - 10 1/4"	27	127' - 8 7/8"	4	47' - 8 1/2"	3	36' - 9"	4	49' - 7 3/4"

		Extrusion (cont)																							
Family	Count	_425031	425031 Unit Length	_425032	425032 Unit Length	_425046	425046 Unit Length	_425047	425047 Unit Length	_425048	425048 Unit Length	_425049	425049 Unit Length	_425052	425052 Unit Length	_425301	425301 Unit Length	_425303	425303 Unit Length	_425316	425316 Unit Length	_425334	425334 Unit Qty	_425341	425341 Unit Length
IMHS_1_0_N_V	1	1	11' - 9"	0	0' - 0"	0	0' - 0"	0	0' - 0"	1	10' - 11 1/2"	1	10' - 11 1/2"	0	0' - 0"	1	10' - 11 1/2"	0	0' - 0"	2	9' - 11 1/2"	1	8.305556	0	0' - 0"
IMSB_2_0_N_V_N	1	0	11' - 9 1/2"	3	14' - 11 1/4"	0	0' - 0"	0	0' - 0"	1	12' - 10 3/4"	1	12' - 10 3/4"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	1	9.597222	0	0' - 0"
JMHS_1_0_N_V	1	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0	0	0' - 0"
JMSB_2_0_N_V_N	1	2	11' - 10"	1	4' - 11 3/4"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	1	12' - 10 3/4"	1	12' - 10 3/4"	1	4' - 11 3/4"	0	0	0	0' - 0"
MIHS_1_0_N_V	1	0	11' - 9"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0	0	0' - 0"
MISB_2_0_N_V_N	1	1	11' - 9 1/2"	0	0' - 0"	0	0' - 0"	0	0' - 0"	1	12' - 10 3/4"	0	0' - 0"	1	12' - 10 3/4"	1	12' - 10 3/4"	0	0' - 0"	0	0' - 0"	2	19.194444	1	12' - 10 3/4"
MJHS_1_0_N_V	1	2	7' - 11"	1	4' - 11 3/4"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	1	10' - 11 1/2"	0	0' - 0"	0	0	0	0' - 0"
MJSB_2_0_N_V_N	1	3	11' - 10"	1	4' - 11 3/4"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	1	12' - 10 3/4"	0	0' - 0"	2	9' - 11 1/2"	0	0	0	0' - 0"
MMHS_1_0_N_V	5	10	58' - 9"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	5	54' - 9 1/2"	0	0' - 0"	5	24' - 10 3/4"	0	0	0	0' - 0"
MMSB_2_0_N_V_N	5	10	58' - 11 1/2"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	5	64' - 5 3/4"	0	0' - 0"	10	49' - 9 1/2"	0	0	0	0' - 0"
MOHS_1_0_N_V	1	1	11' - 9"	0	0' - 0"	1	10' - 11 1/2"	0	0' - 0"	0	0' - 0"	0	0' - 0"	1	10' - 11 1/2"	1	10' - 11 1/2"	0	0' - 0"	2	9' - 11 1/2"	0	0	1	10' - 11 1/2"
MOSB_2_0_N_V_N	1	0	11' - 9 1/2"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0	0	0' - 0"
OMHS_1_0_N_V	1	1	11' - 9"	0	0' - 0"	0	0' - 0"	0	0' - 0"	1	10' - 11 1/2"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	0	0' - 0"	1	8.305556	0	0' - 0"
OMSB_2_0_N_V_N	1	1	11' - 9 1/2"	1	4' - 11 3/4"	1	12' - 10 3/4"	0	0' - 0"	0	0' - 0"	1	12' - 10 3/4"	0	0' - 0"	0	0' - 0"	0	0' - 0"	2	9' - 11 1/2"	1	9.597222	0	0' - 0"
Grand total: 22		32	243' - 5 1/2"	7	34' - 10 1/4"	2	23' - 10 1/4"	0	0' - 0"	4	47' - 8 1/2"	3	36' - 9"	2	23' - 10 1/4"	15	179' - 10 1/2"	2	23' - 10 1/4"	24	119' - 6"	6	55	2	23' - 10 1/4"



BIM OPTIONS

Wheaton & Sprague Engineering, Inc.
 1100 Campus Drive, Suite 200
 Row, Ohio 44224
 Ph: (330) 923-5560 Fx: (330) 923-5569



SCHEDULES

SCALE:

DRAWN BY: WSE
 CHECKED BY: RAS

DATE:

PROJECT NO: BIM OPTIONS
 SHEET NO: A111