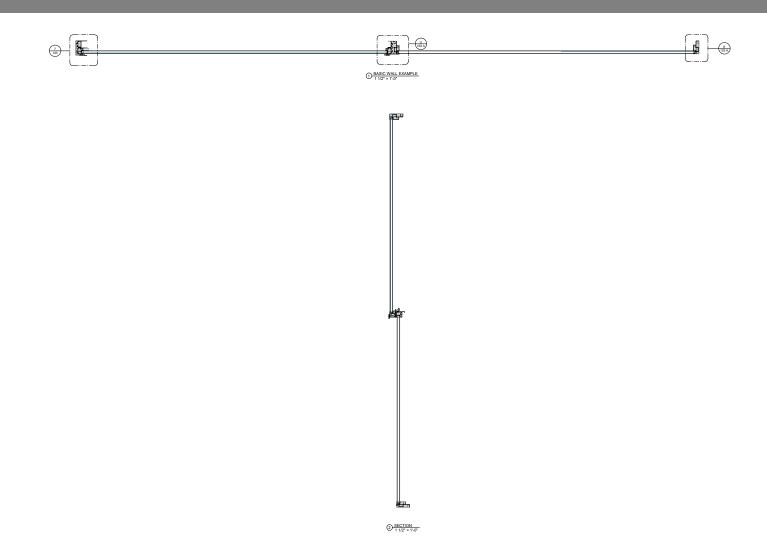




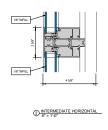
OptiQ ® AA ® 5450 Series Windows

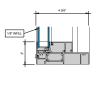




AA™5450 Series Windows- Fixed Window (Double Glazed)







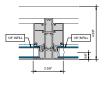


3 FIXED SILL 6" = 1'-0"

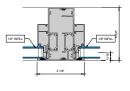
4 FIXED PANNING SILL



5 FIXED LEFT JAMB



6 INTERMEDIATE VERTICAL



7 FIXED RIGHT JAMB 6" = 1'-0"



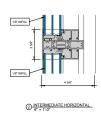
MALE-FEMALE INTERMEDIATE

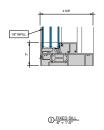
VERTICAL

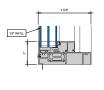
6" = 1'-0"







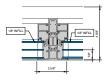




4 FIXED PANNING SILL



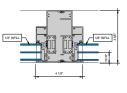
6 FIXED LEFT JAMB



6 INTERMEDIATE VERTICAL



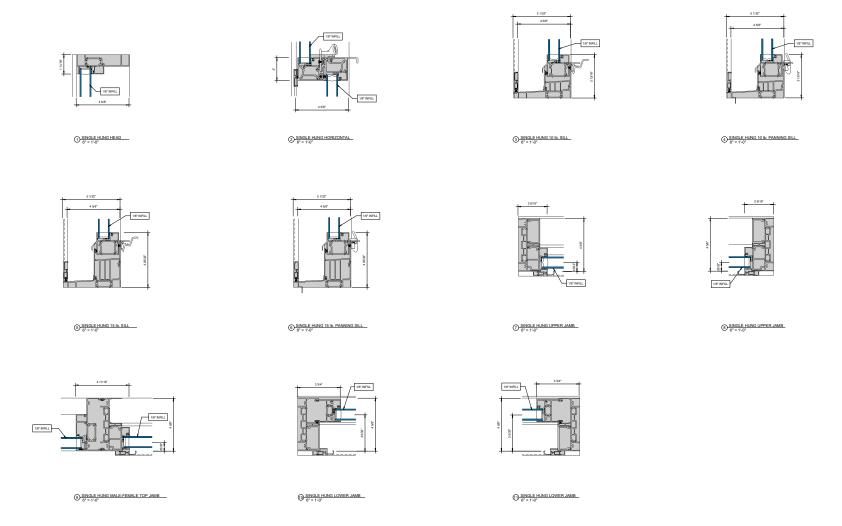
7 FIXED RIGHT JAMB



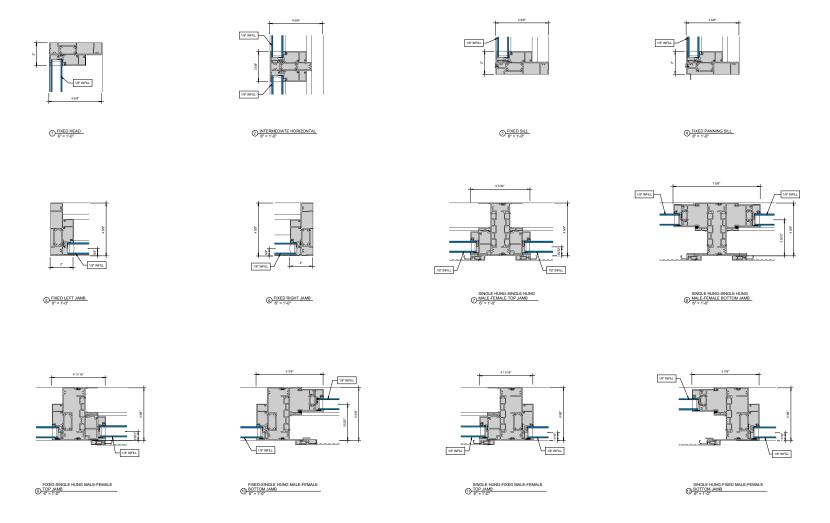
MALE-FEMALE INTERMEDIATE

| VERTICAL | 6° = 1'-0°

AA™5450 Series Windows- Single Hung / Fixed Window (Double Glazed), with Male-Female Jamb

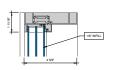


AA[™] 5450 Series Windows- Single Hung / Fixed Window (Double Glazed), with Male-Female Jamb





AA™5450 Series Windows- Single Hung / Fixed Window (Triple Glazed), with Male-Female Jamb



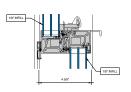
SINGLE HUNG HEAD



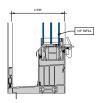
SINGLE HUNG 15 Ib. SILL



9 SINGLE HUNG LOWER JAMB



② SINGLE HUNG HORIZONTAL

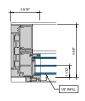


B SINGLE HUNG 15 ib. PANNING SILL

(0) SINGLE HUNG LOWER JAMB



3 SINGLE HUNG 10 lb. SILL



(7) SINGLE HUNG UPPER JAMB



4 SINGLE HUNG 10 Ib. PANNING SILL

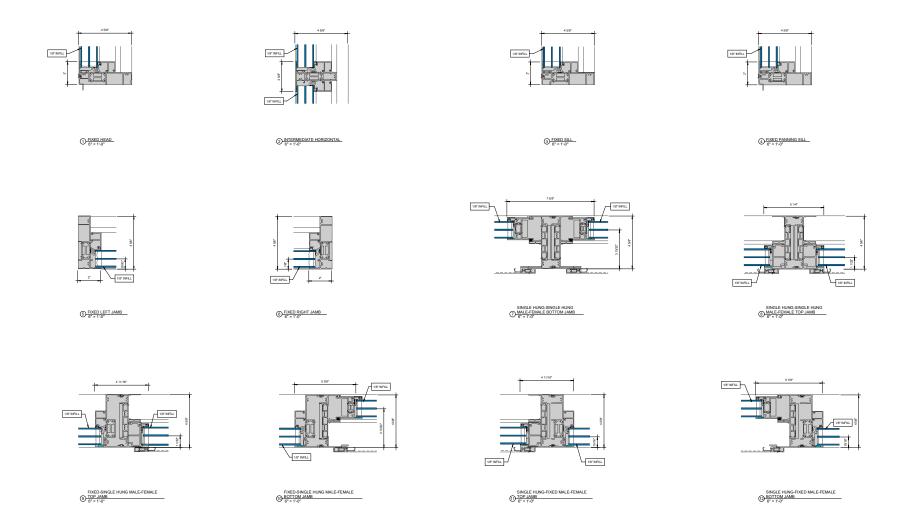


8 SINGLE HUNG UPPER JAMB



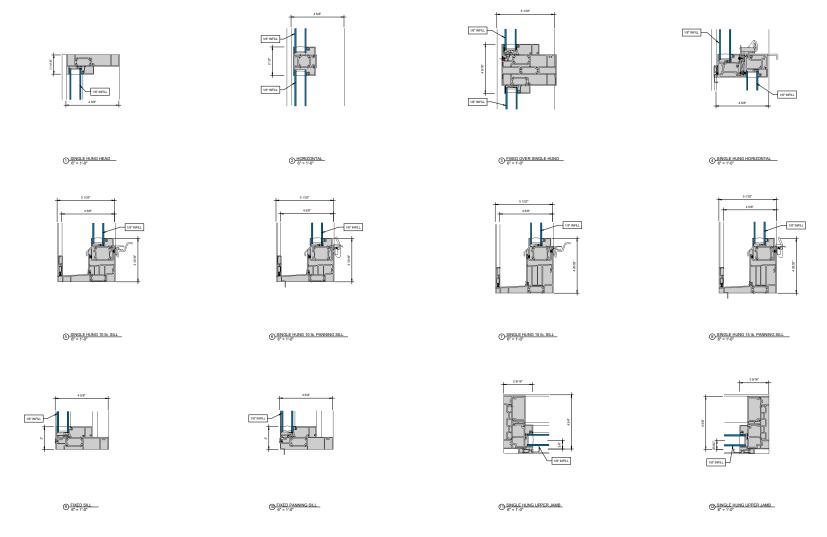


AA™5450 Series Windows- Single Hung / Fixed Window (Triple Glazed), with Male-Female Jamb





AA™5450 Series Windows- Single Hung / Fixed Tri-Lite Window (Double Glazed)



AA™5450 Series Windows- Single Hung / Fixed Tri-Lite Window (Double Glazed)



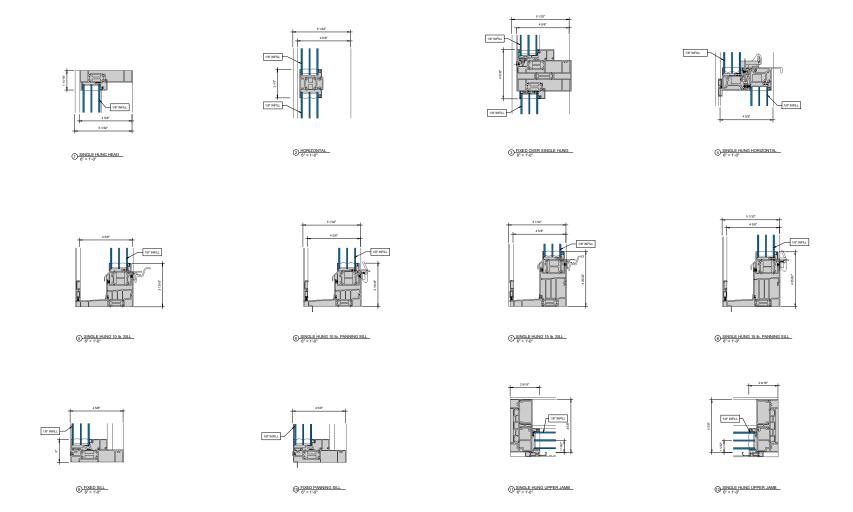
SINGLE HUNG LOWER JAMB



2 SINGLE HUNG LOWER JAMB



AA[™]5450 Series Windows- Single Hung / Fixed Tri-Lite Window (Triple Glazed)



AA™5450 Series Windows- Single Hung / Fixed Tri-Lite Window (Triple Glazed)



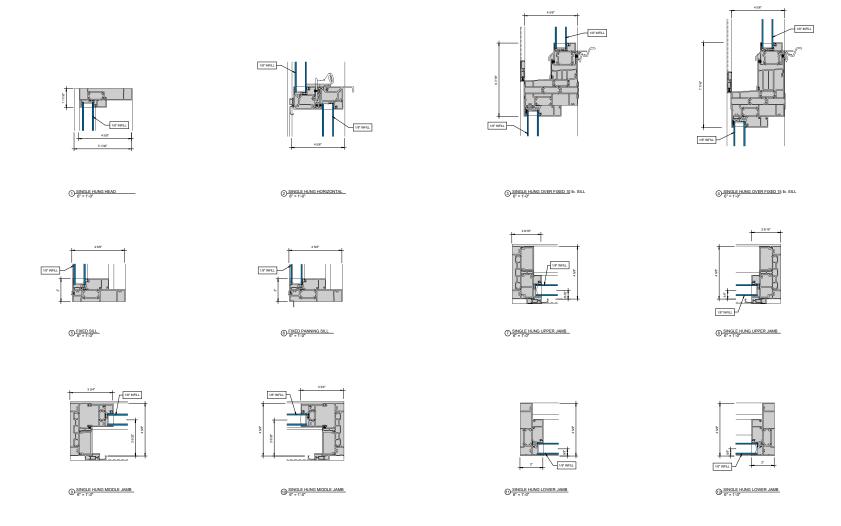
SINGLE HUNG LOWER JAMB



2 SINGLE HUNG LOWER JAMB



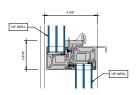
AA™5450 Series Windows- Single Hung / Fixed Tri-Lite Window (Double Glazed), with Stacked Sill

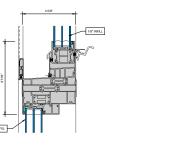


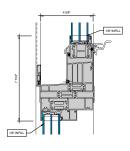


AA[™]5450 Series Windows- Single Hung / Fixed Tri-Lite Window (Triple Glazed), with Stacked Sill







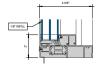


1 SINGLE HUNG HEAD 6" = 1'-0" 2 SINGLE HUNG HORIZONTAL

3 SINGLE HUNG OVER FIXED 10 lb. SILL

4 SINGLE HUNG OVER FIXED 15 ib. SILL







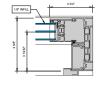


6 FIXED SILL 6" = 1'-0" 6 FIXED PANNING SILL

SINGLE HUNG UPPER JAMB

8 SINGLE HUNG UPPER JAMB







IN NOTAL

9 SINGLE HUNG MIDDLE JAMB

SINGLE HUNG MIDDLE JAMB

1) FIXED LOWER JAMB

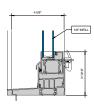
12 FIXED LOWER JAMB

AA™5450 Series Windows- Double Hung / Fixed Window (Double Glazed), with Male Female Jamb

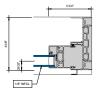


DOUBLE HUNG HEAD (WITH AUTO LOCK)

6" = 1'-0"



DOUBLE HUNG 10 Ib. PANNING SILL



9 DOUBLE HUNG UPPER JAMB



DOUBLE HUNG HEAD (WITH SNAP

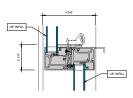
(2) LOCK)
6" = 1'.0"



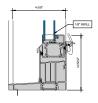
DOUBLE HUNG 15 lb. SILL (WITH AUTO B) LOCK)
6° = 1'-0"



10 DOUBLE HUNG LOWER JAMB



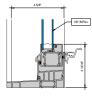
3 DOUBLE HUNG HORIZONTAL



DOUBLE HUNG 15 Ib. PANNING SILL

(WITH SNAP LOCK)

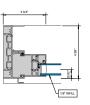
6" = 11-0"



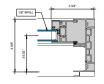
DOUBLE HUNG 10 lb. SILL (WITH AUTO

LOCK)

6* = 1'.0*

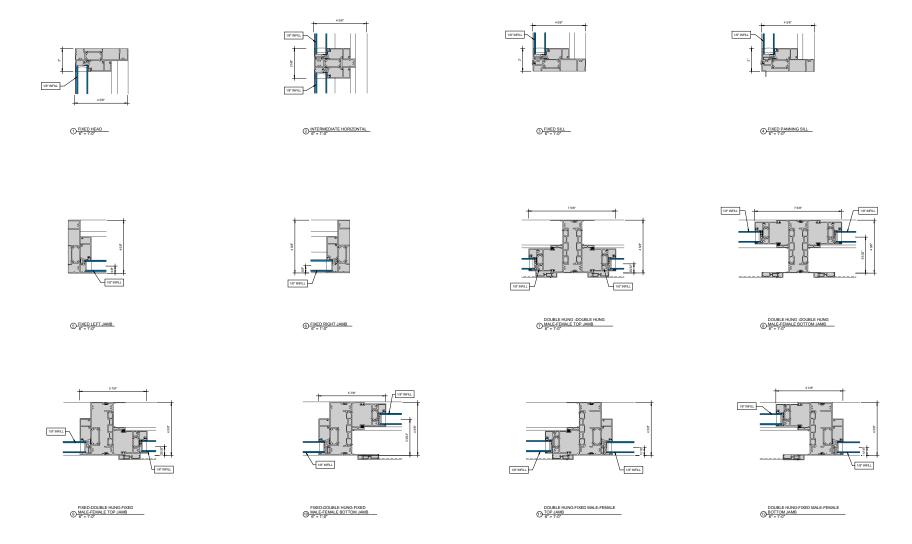


8 DOUBLE HUNG UPPER JAMB



1) DOUBLE HUNG LOWER JAMB 6" = 1'-0"

AA[™]5450 Series Windows- Double Hung / Fixed Window (Double Glazed), with Male Female Jamb





AA[™] 5450 Series Windows- Double Hung / Fixed Window (Triple Glazed), with Male- Female Jamb

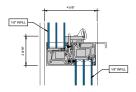


DOUBLE HUNG HEAD (WITH AUTO



DOUBLE HUNG HEAD (WITH SNAP

(2) LOCK)
(6" = 1":0"



3 DOUBLE HUNG HORIZONTAL



⊕ DOUBLE HUNG 10 lb. SILL 6" = 1'-0"



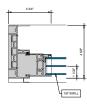
S DOUBLE HUNG 10 lb. PANNING SILL



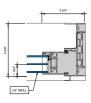
6 DOUBLE HUNG 15 lb. SILL



O DOUBLE HUNG 15 lb. PANNING SILL



B DOUBLE HUNG UPPER JAMB
 6" = 1'-0"



DOUBLE HUNG UPPER JAMB
 6" = 1'-0"

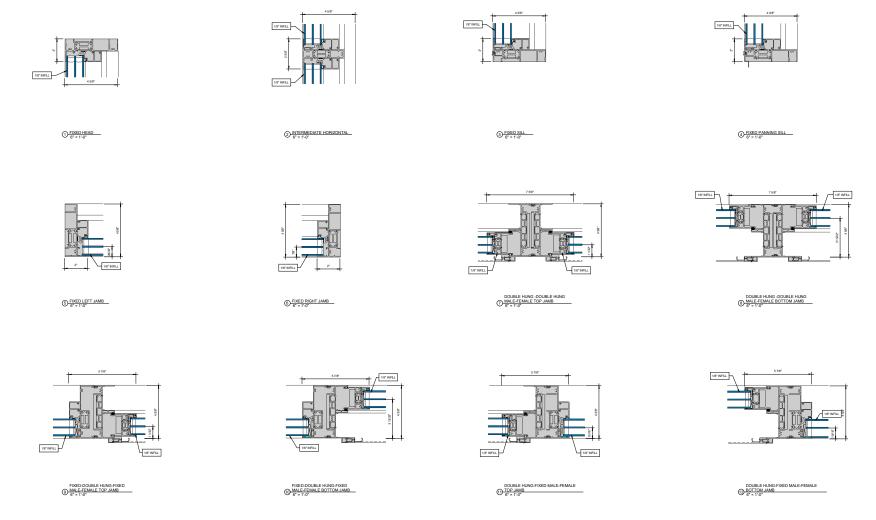


10 DOUBLE HUNG LOWER JAMB 6" = 1'-0"



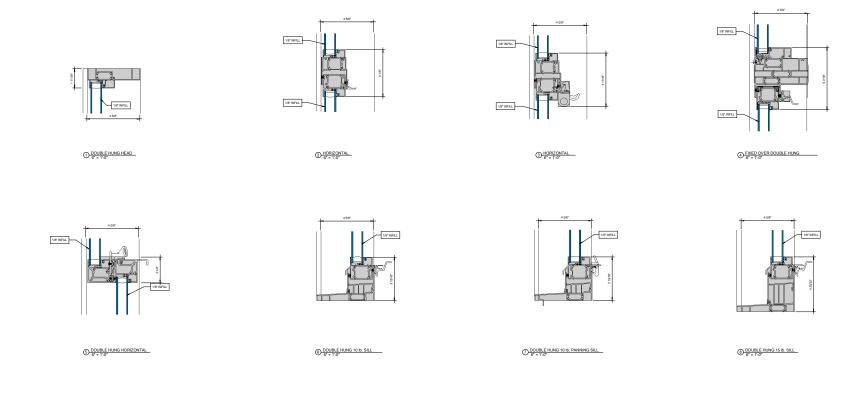
DOUBLE HUNG LOWER JAMB

AA[™]5450 Series Windows- Double Hung / Fixed Window (Triple Glazed), with Male- Female Jamb





AA™5450 Series Windows- Double Hung / Fixed Tri-Lite Window (Double Glazed)



1) FIXED PANNING SILL

10 FIXED SILL 6" = 1'-0"

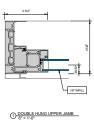


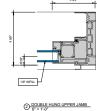
9 DOUBLE HUNG 15 lb. PANNING SILL

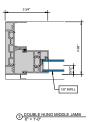
555 Guthridge Ct. Technology Park/Atlanta Norcross, GA 30092 USA Tel: + 1 770 449 5555

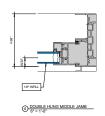


AA[™]5450 Series Windows- Double Hung / Fixed Tri-Lite Window (Double Glazed)

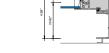










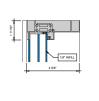


5 DOUBLE HUNG LOWER JAMB

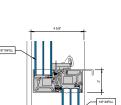
6 DOUBLE HUNG LOWER JAMB



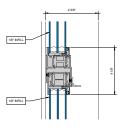
AA™5450 Series Windows- Double Hung / Fixed Tri-Lite Window (Triple Glazed)



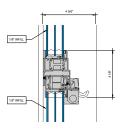
① DOUBLE HUNG HEAD 6" = 1'-0"



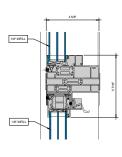
5 DOUBLE HUNG HORIZONTAL



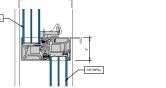
@ HORIZONTAL 6" = 1'-0"



3 HORIZONTAL 6" = 1'-0"



(4) FIXED OVER DOUBLE HUNG





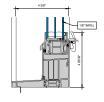
6 DOUBLE HUNG 10 lb. SILL



O DOUBLE HUNG 10 Ib. PANNING SILL



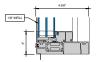
B DOUBLE HUNG 15 lb. SILL



9 DOUBLE HUNG 15 lb. PANNING SILL

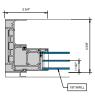


10 FIXED SILL 6" = 1'-0"

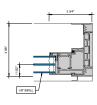


1) FIXED PANNING SILL

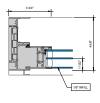
AA™5450 Series Windows- Double Hung / Fixed Tri-Lite Window (Triple Glazed)



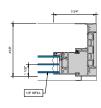
0 DOUBLE HUNG UPPER JAMB 6" = 1'-0"



② DOUBLE HUNG UPPER JAMB



3 DOUBLE HUNG MIDDLE JAMB



DOUBLE HUNG MIDDLE JAMB
 6" = 1'-0"



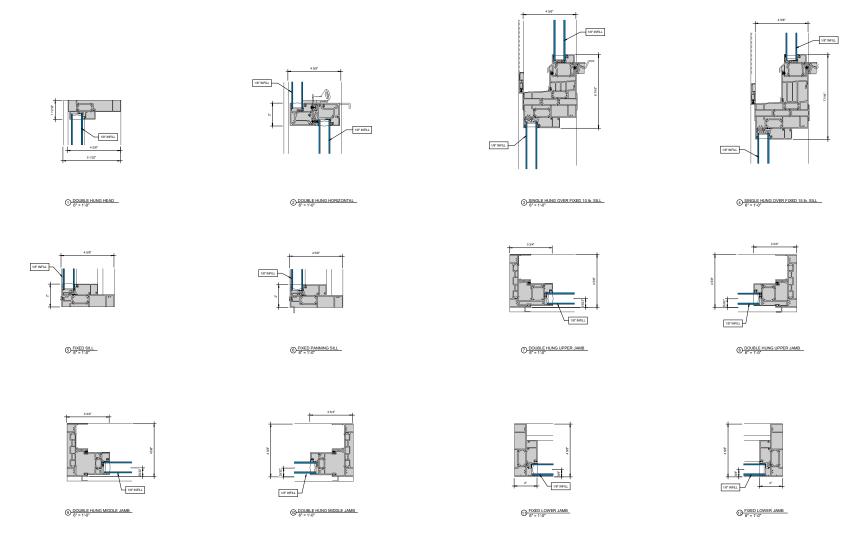
5 DOUBLE HUNG LOWER JAMB



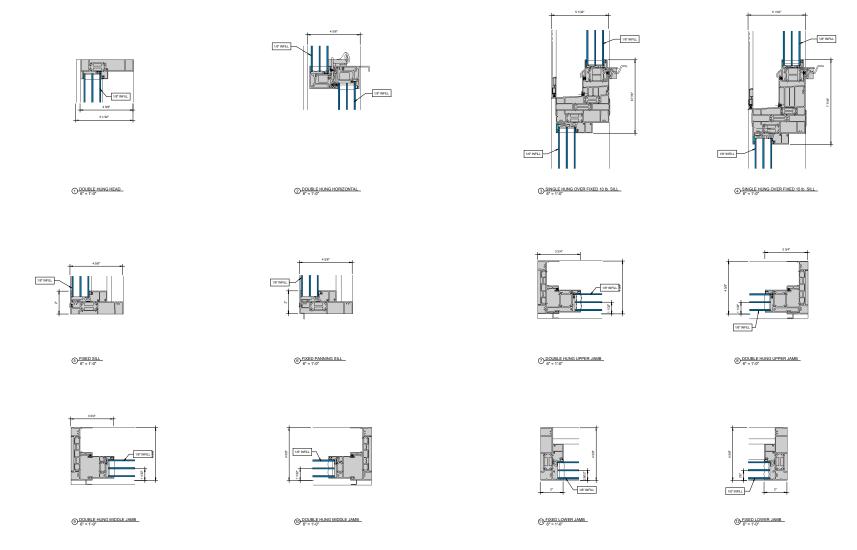
6 DOUBLE HUNG LOWER JAMB



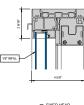
AA™5450 Series Windows- Double Hung / Fixed Tri-Lite Window (Double Glazed), with Stacked Sill

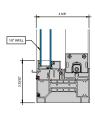


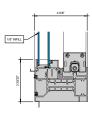
AA[™]5450 Series Windows- Double Hung / Fixed Tri-Lite Window (Triple Glazed), with Stacked Sill

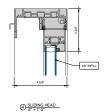


AA™5450 Series Windows- OX Slider (Double Glazed)





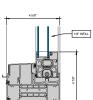


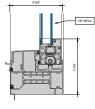


① FIXED HEAD 6" = 1'-0"

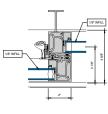
@ FIXED SILL 6" = 1'-0"

3 FIXED PANNING SILL 6" = 1'-0"









B INTERLOCKS 6" = 1'-0"

5 SLIDING SILL 6" = 1'-0"

6 SLIDING PANNING SILL 6" = 1'-0"

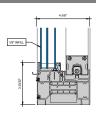
7 FIXED LEFT JAMB

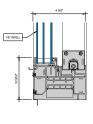


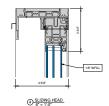
9 SLIDING RIGHT JAMB

AA™5450 Series Windows- OX Slider (Triple Glazed)



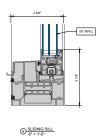


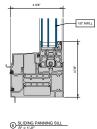




1 FIXED HEAD 6" = 1'-0"

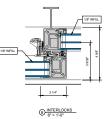
② FIXED SILL 6" = 1'-0" 3 FIXED PANNING SILL







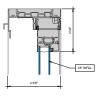
7 FIXED LEFT JAMB

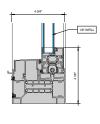


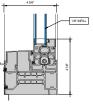


9 SLIDING RIGHT JAMB 6" = 1'-0"

AA™5450 Series Windows- XO Slider (Double Glazed)





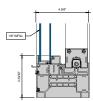


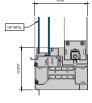


1 SLIDING HEAD

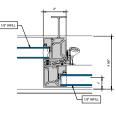
2 SLIDING SILL 6" = 1'-0" 3 SLIDING PANNING SILL

4 FIXED HEAD 6" = 1"-0"









6 FIXED SILL 6" = 1'-0"

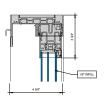
6 FIXED PANNING SILL 6" = 1'-0" (7) SLIDING RIGHT JAMB

B INTERLOCKS 6" = 1'-0"

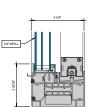
16F NFIL

9 FIXED LEFT JAMB

AA™5450 Series Windows- XO Slider (Triple Glazed)

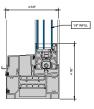


1 SLIDING HEAD 6" = 1'-0"

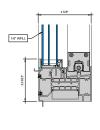


5 FIXED SILL 6" = 1'-0"

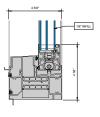




② SLIDING SILL 6" = 1'-0"



6 FIXED PANNING SILL 6" = 1'-0"



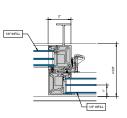




7 SLIDING RIGHT JAMB 6" = 1'-0"

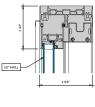


4 FIXED HEAD 6" = 1'-0"

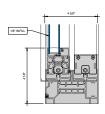


8 INTERLOCKS 6" = 1'-0"

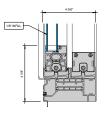
AA™5450 Series Windows- XX Slider (Double Glazed)



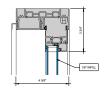




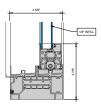
② SLIDING SILL 6" = 1'-0"



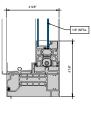
3 SLIDING PANNING SILL



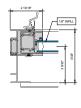
4 SLIDING HEAD 6" = 1'-0"



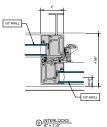
SLIDING SILL 6" = 1'-0"



6 SLIDING PANNING SILL 6" = 1'-0"

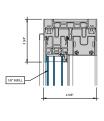


3 SLIDING LEFT JAMB 6" = 1'-0"

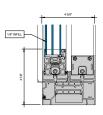




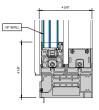
AA™5450 Series Windows- XX Slider (Triple Glazed)



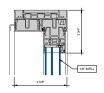
① SLIDING HEAD 6* = 1'-0*



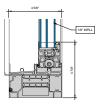
② SLIDING SILL 6" = 1'-0"



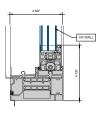
3 SLIDING PANNING SILL



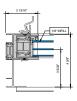
SLIDING HEAD



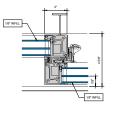
SLIDING SILL



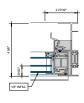
6 SLIDING PANNING SILL 6" = 1'-0"



TSLIDING LEFT JAMB



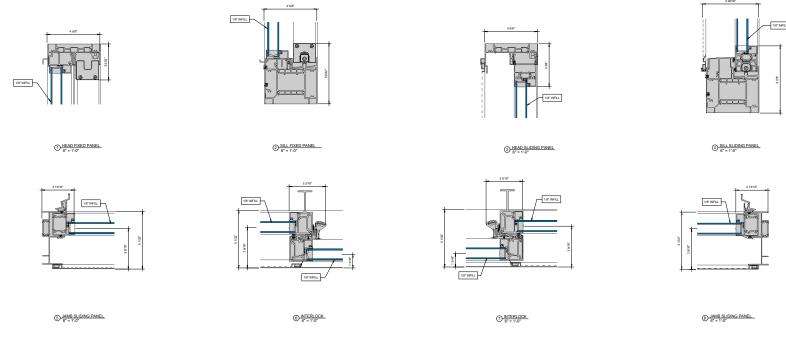
® INTERLOCKS

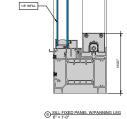


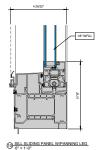
9 SLIDING RIGHT JAMB 6" = 1'-0"



AA™5450 Series Windows XOX Sliding Window (Double Glazed)



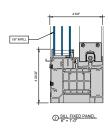


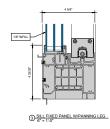


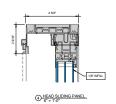


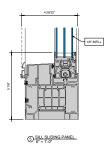
AA [™]5450 Series Windows XOX Sliding Window (Triple Glazed)

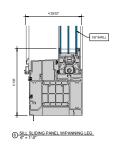


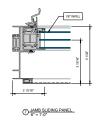


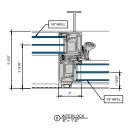


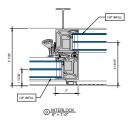


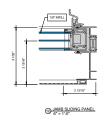






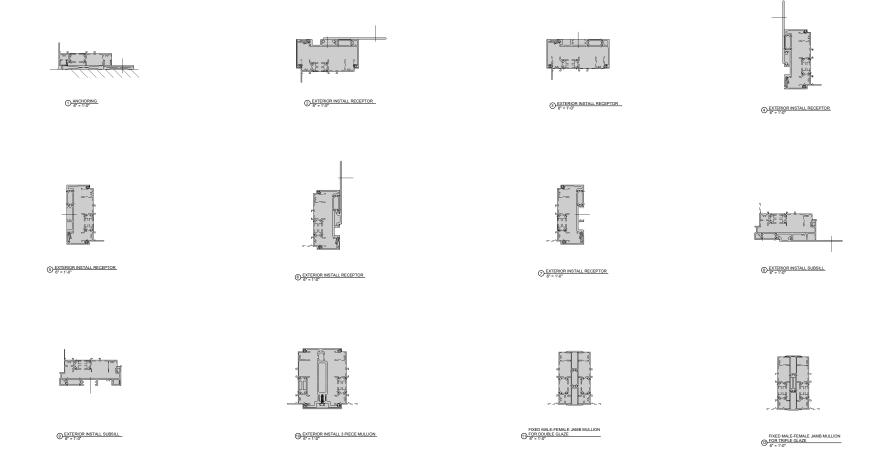








AA [™]5450 Series Windows Receptors, Sub-Sills, Anchors and Panning

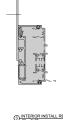


AA ™5450 Series Windows Receptors, Sub-Sills, Anchors and Panning





(2) INTERIOR INSTALL RECEPTOR





4 INTERIOR INSTALL RECEPTOR

3 INTERIOR INSTALL RECEPTOR





6 INTERIOR INSTALL RECEPTOR





TINTERIOR INSTALL SUBSILL













AA [™] 5450 Series Windows Receptors, Sub-Sills, Anchors and Panning









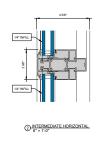


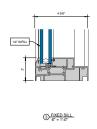


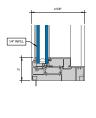


AA ™5450 Series Windows Fixed Window - Bevel Face (Double Glazed)





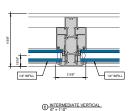


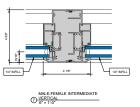


4 FIXED PANNING SILL.





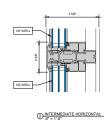


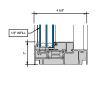




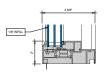
AA™5450 Series Windows Fixed Window-Bevel Face (Triple Glazed)







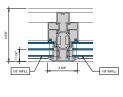
3 FIXED SILL 6" = 1'-0"



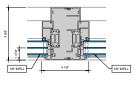
4 FIXED PANNING SILL 6" = 1'-0"



5 FIXED LEFT JAMB



6 INTERMEDIATE VERTICAL



MALE-FEMALE INTERMEDIATE
VERTICAL
6° = 1'-0"

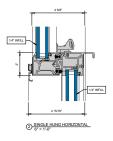


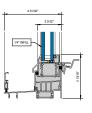
® FIXED RIGHT JAMB. 6" = 1'-0"

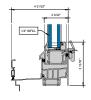


AA [™]5450 Series Windows Single Hung/Fixed Window - Bevel Face (Double Glazed) With Male-Female Jamb



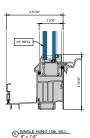


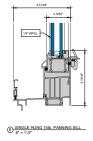


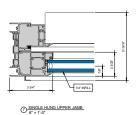


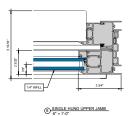
3 SINGLE HUNG 10lb. SILL 6" = 1'-0"

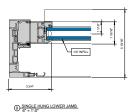
4 SINGLE HUNG 10Ib PANNING SILL

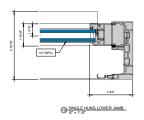




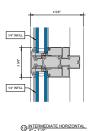






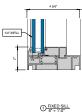


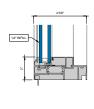


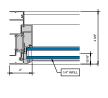


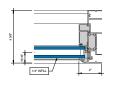
KAWNEER AN ARCONIC COMPANY

AA ™5450 Series Windows Single Hung/Fixed Window - Bevel Face (Double Glazed) With Male-Female Jamb





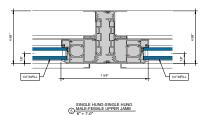


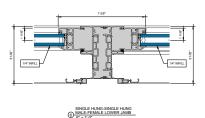


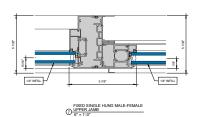
③ FIXED PANNING SILL 6° = 1'.0°

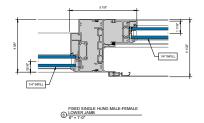
3 FIXED LEFT JAMB

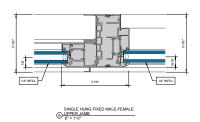
4 FIXED RIGHT JAMB

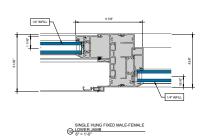








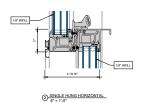


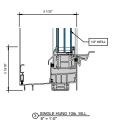


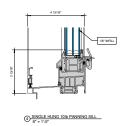


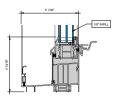
AA™5450 Series Windows Single Hung/Fixed Window-Bevel Face (Triple Glazed) With Male-Female Jamb



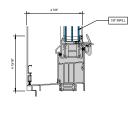




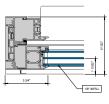




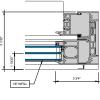




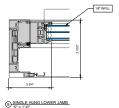
8 SINGLE HUNG 15th. PANNING SILL

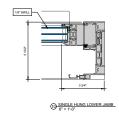


(7) SINGLE HUNG UPPER JAMB 6" = 1'-0"



8 SINGLE HUNG UPPER JAMB







1) FIXED HEAD 6" = 1'-0"



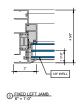
(1) INTERMEDIATE HORIZONTAL

AA™5450 Series Windows Single Hung/Fixed Window-Bevel Face (Triple Glazed) With Male-Female Jamb

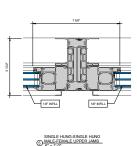


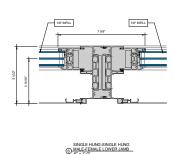
1 FIXED SILL 6" = 1'-0"

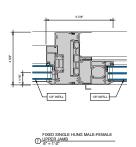


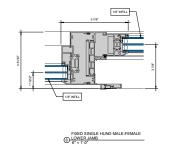


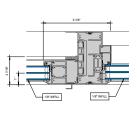


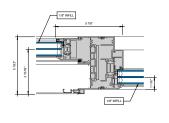












SINGLE HUNG-FIXED
MALE-FEMALE-UPPER JAMB
6" = 1'-0"

SINGLE HUNG-FIXED



AA™5450 Series Windows Double Hung/Fixed Window-Bevel Face (Double Glazed) With Male-Female Jamb



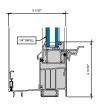
0 DOUBLE HUNG HEAD



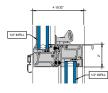
5 DOUBLE HUNG 1015, PANNING SILL.



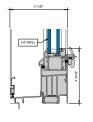
2 DOUBLE HUNG HEAD 6" = 1'-0"



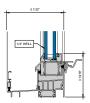
6 DOUBLE HUNG 15lb. SILL



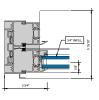
3 DOUBLE HUNG HORIZONTAL



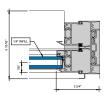
DOUBLE HUNG 151b. PANNING SILL



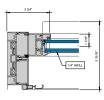
4 DOUBLE HUNG 10lb. SILL



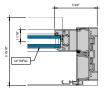
8 DOUBLE HUNG UPPER JAMB 6" = 1'-0"



9 DOUBLE HUNG UPPER JAMB 6" = 1'-0"



0 DOUBLE HUNG LOWER JAMB

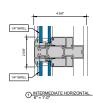


10 DOUBLE HUNG LOWER JAMB



(2) FIXED HEAD 6" = 1'-0"

AA™5450 Series Windows Double Hung/Fixed Window-Bevel Face (Double Glazed) With Male-Female Jamb







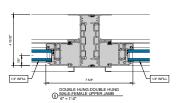


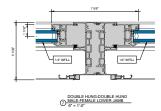
② FIXED SILL 6" = 1'-0"

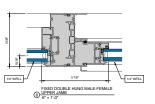
3 FIXED PANNING SILL.

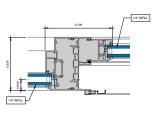
4 FIXED LEFT JAMB



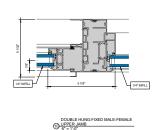


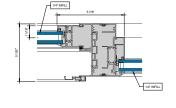












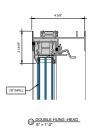
DOUBEL HUNG FIXED MALE-FEMALE

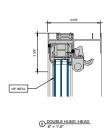
LOWER JAMB

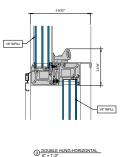
6"-1"-0"

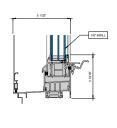


AA™5450 Series Windows Double Hung/Fixed Window-Bevel Face (Triple Glazed) With Male-Female Jamb

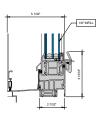


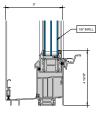


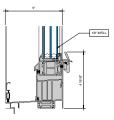


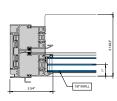


DOUBLE HUNG 1016. SILL







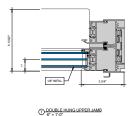


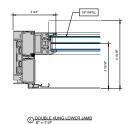
DOUBLE HUNG 10Ib. PANNING SILL

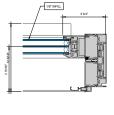


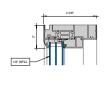
3 DOUBLE HUNG 15lb. PANNING SILL

6 DOUBLE HUNG UPPER JAMB







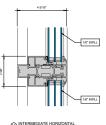


1) FIXED HEAD 6" = 1'-0"

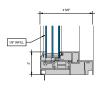
(i) DOUBLE HUNG LOWER JAMB 6"=1"-0"



AA™5450 Series Windows Double Hung/Fixed Window-Bevel Face (Triple Glazed) With Male-Female Jamb









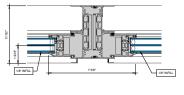
1) INTERMEDIATE HORIZONTAL

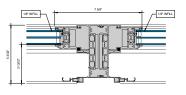


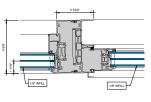
3 FIXED PANNING SILL

② FIXED LEFT JAMB 6" = 1'-0"







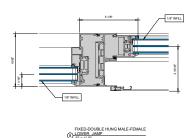


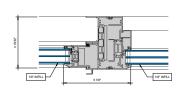
4 FIXED RIGHT JAMB

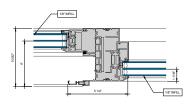


FIXED-DOUBLE HUNG MALE-FEMALE

10 6° = 1'-0°



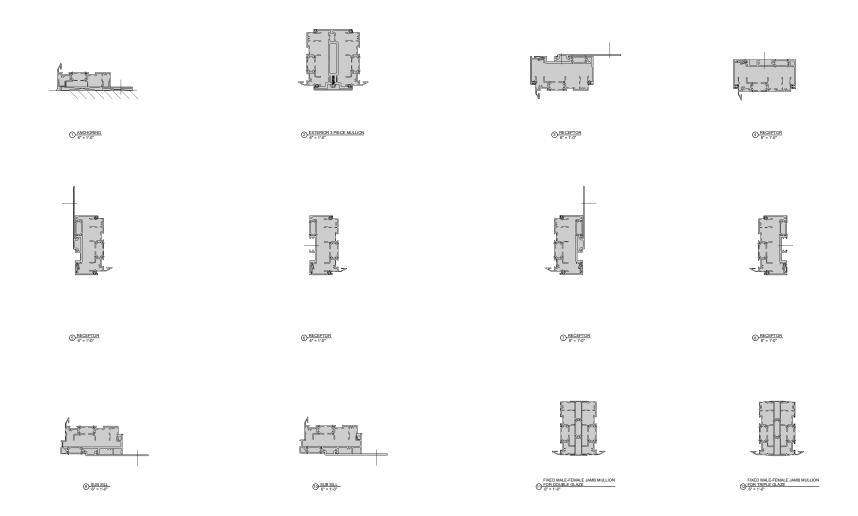




KAWNEER AN ARCONIC COMPANY



AA™5450 Series Windows Bevel Face Receptors, Subsills, Anchors and Panning



AA™5450 Series Windows Bevel Face Receptors, Subsills, Anchors and Panning

