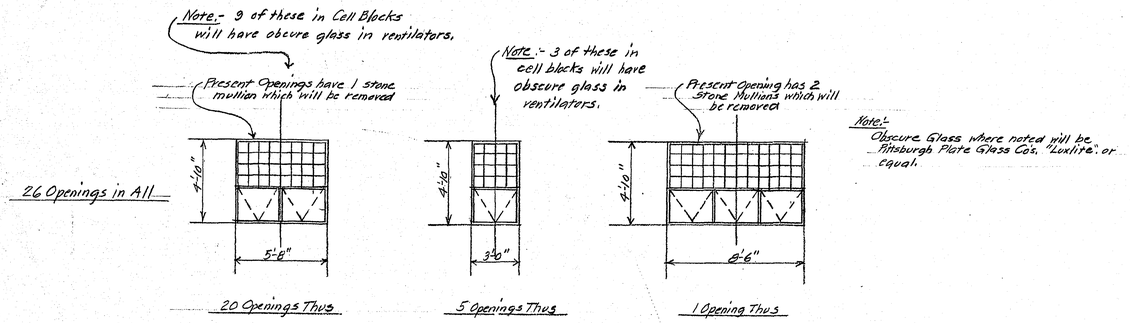
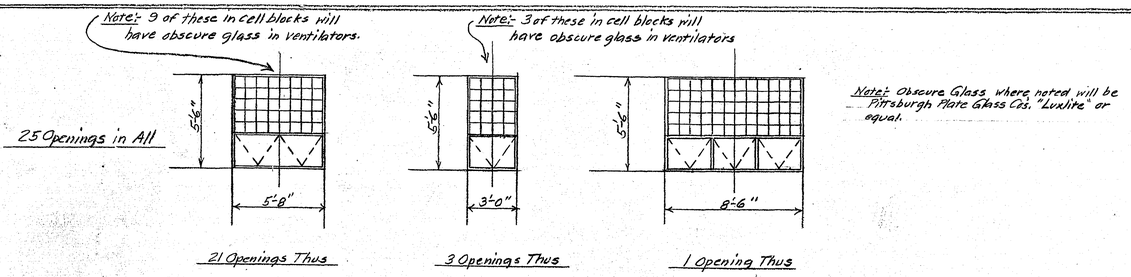


THIRD STORY OPENINGS - SCALE $\frac{1}{4}$"=1'-0"



SECOND STORY OPENINGS - SCALE $\frac{1}{4}$"=1'-0"

SPECIFICATIONS

1- Work to be Done:- Tear out and haul away from site all present wood sash, glass, stone mullions, etc from present window openings. Brick up sub-basement openings and install glass blocks in all other openings as specified herein and detailed on this sheet. Note that the four south court room windows on the St. Peter St. (West) side in the Basement Story are not included in this project. Inside sills, jambs and heads (present) will be left in place and glass blocks will be placed outside of and against them. All ventilators will be glazed.

2- Contractor's Responsibility:- Contractor will thoroughly examine building and be completely familiar with it before submitting his bid. He will make his own mensurements and will not depend on measurements shown on this sheet, which are approximate but close. He will consult with Mr. George W. Weber, Supt. of the Jail Building, who will supervise the work.

3- Permit:- Contractor will obtain the necessary building permit from the Department of Public Buildings of the City of St. Paul and pay the fee therefore.

4- Building Code:- All work will be done in strict accordance with the Building Code of the City of St. Paul, Minn.

5- Insurance:- Contractor will carry all types of insurance necessary to save the Owner harm less in case of lawsuits resulting from accidents to Contractors employees, jail inmates, Jail employees or to the public, such accidents being incident to Contractor's activities on this job.

6- Opening Dimensions:- Where dimensions are mentioned hereafter or shown on this sheet, these will not be considered as exact and will be checked by Contractor, who will assume responsibility for correct, exact opening sizes.

7- Owner:- The Owner is The County of Ramsey, Minn., as represented by the Board of County Commissioners.

8- Cleaning Up:- After the work has been completed, Contractor will obtain final approval from Mr. George W. Weber, Supt. of the Jail Building. He will then clean up the premises inside and outside and leave the building broom clean. All debris will be hauled away from site.

9- Glass Blocks:- Install Owens-Illinois "Insulux" Glass Blocks (Pattern #317) or equal approved by owner. Units will be $7\frac{3}{4}$"x$7\frac{3}{4}$"x4" thick as shown on this sheet. Install wall ties as per manufacturers instructions. On Heads and Jambs install fiberglass expansion strips and, in addition, on all jambs, install aluminum jamb channels into which glass blocks will fit. Pack inside of channels with oakum and caulking. Lay up glass blocks, with $\frac{1}{4}$" joints, in mortar composed of 1 part Portland Cement, 1 part lime and 4 parts mortar sand by volume. Point up joints with White Medusa Cement. All sills to be coated with Asphalt Emulsion.
Spaces occurring between glass blocks and heads or jambs, especially on openings with arched heads, which spaces cannot be filled with glass blocks, will be filled with 1 to 3 mix Masonry Cement Mortar of same thickness as glass blocks. Use "Brixment" or equal approved. For an example of desired method, see the two openings on the Alley Side (East) in the First Story which are already equipped with glass blocks and ventilators.

10- Ventilators:- See details on this sheet which show Ventilators by blocks wide and blocks high, for width and height. These will be W.M.C. Aluminum units as manufactured by the Wausau Metals Corporation of Schofield, Wisconsin, or equal approved. They will be hinged at bottoms to swing in and be completely equipped with glass and all operating hardware, also weather stripping. They also will be equipped with 18x14 mesh aluminum wire screens mounted outside. There will be no storm sash. Contractor is referred to current Master Specifications for W.M.C. Aluminum Ventilators issued by the Wausau Metals Corporation, which will be adhered to in Detail. See Par. 14 below.

11- Brickwork:- This occurs in 7 Sub-Basement openings only as per detail on this sheet. Brick will be laid up in Masonry Cement Mortar and will be 8" thick consisting of one thickness of face brick and one thickness of back up brick. Face brick will cost approximately $50.00 per 1000 and texture will be selected by Mr. George W. Weber, to whom samples will be submitted. Provide proper brick sill under ventilators. See Detail on this sheet. Install lintel shown and caulk all around ventilators.
Back up brick will be common or sand lime brick as determined by Mr. Weber, securely bonded to face brick.

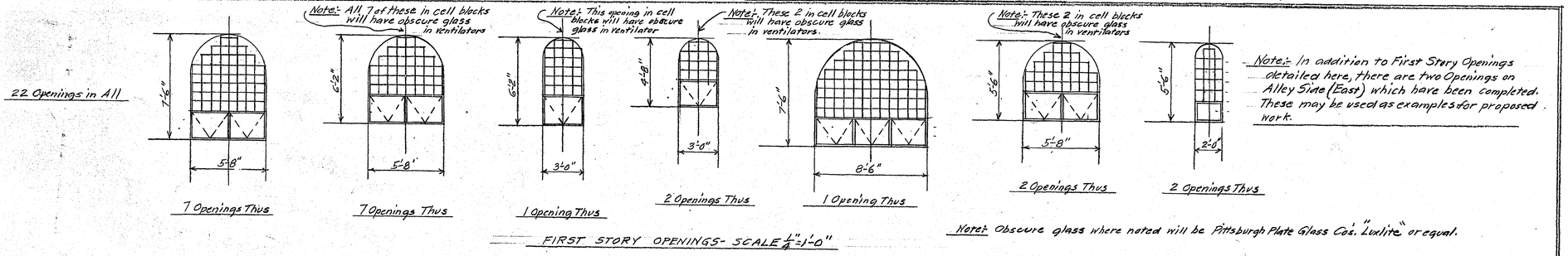
12- Note:- It is the intention of plan and this specification to produce a complete finished job and any errors or omissions herein will not excuse Contractor from doing work which should be done from a self evident standpoint. On completion all glass block will be washed on both Sides and well as Ventilator glass.

13- Glass:- Glass to be P.S.A. "Pennvernon" or equal approved and glazed with plastic putty. Note that some openings will have obscure or opaque glass.

14- Additional Note re Ventilators:- See Par. 10 above. Sheet #2 of drawings Folsom Pk Window, outlines Typical Details of the W.M.C. Standard Aluminum, manufactured by the Wausau Metals Corporation, which indicates the type of construction desired on this job. It is emphasized, however, that construction of other manufacture will be allowable if considered equal in quality by the Owner. Sheet #2 also includes Master Specifications.

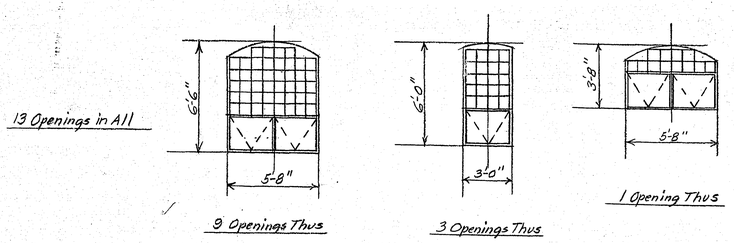
15- Time of Completion:- Contractor will indicate in his proposal the number of days which will elapse after award of contract before he will start work and will also indicate his estimate of the number of working days required for completion.

CONTINUED

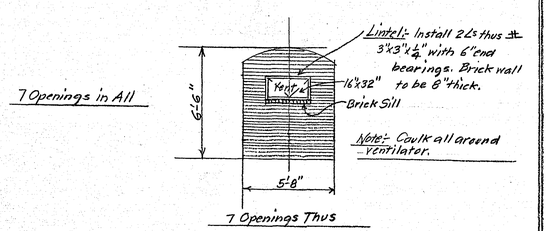


FIRST STORY OPENINGS - SCALE $\frac{1}{4}$"=1'-0"

Note:- Obscure glass where noted will be Pittsburgh Plate Glass Co's. "Luxlite" or equal.



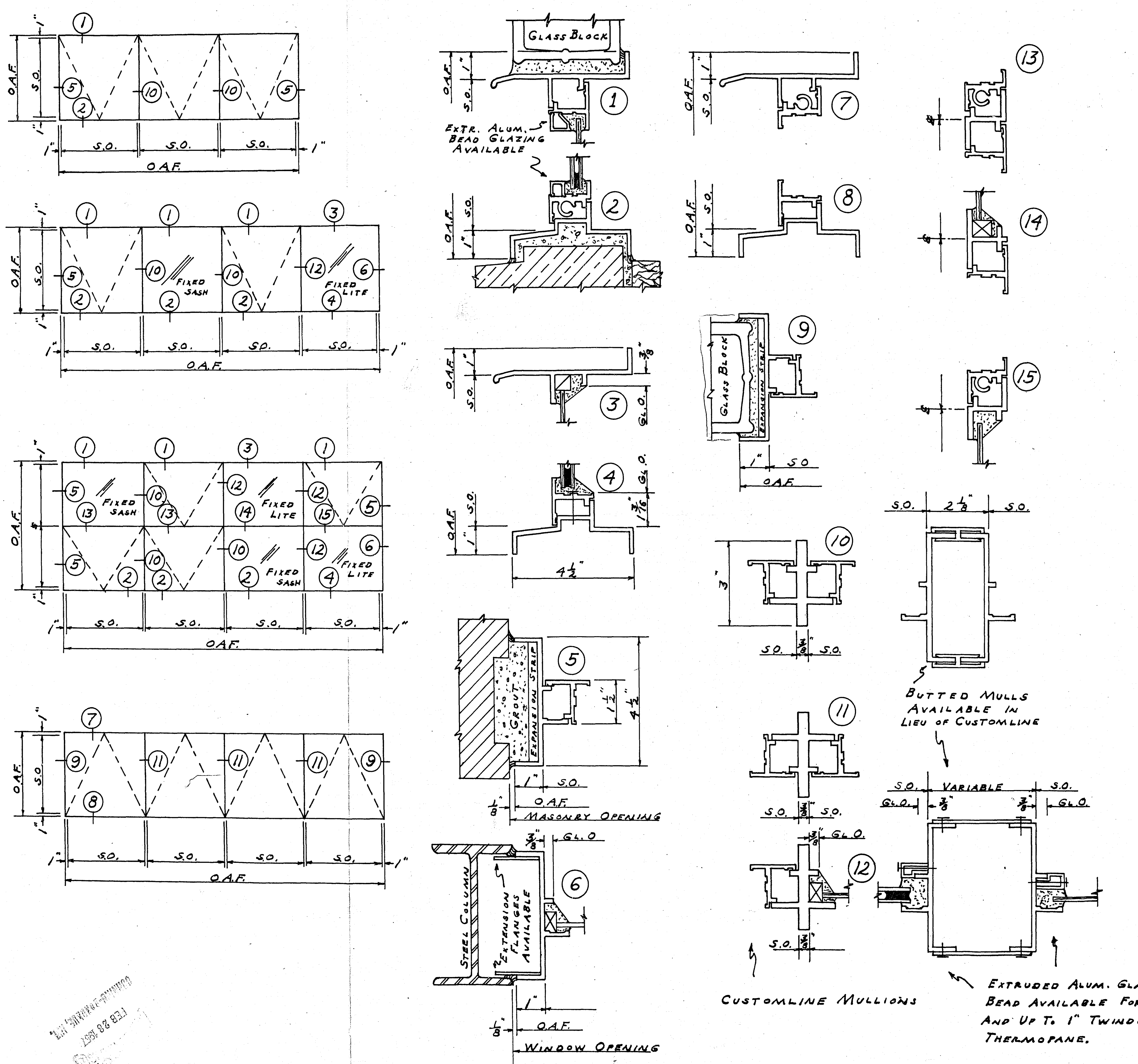
BASEMENT STORY OPENINGS - SCALE $\frac{1}{4}$"=1'-0"



SUB-BASEMENT STORY OPENINGS
SCALE $\frac{1}{4}$"=1'-0"

PROPOSED REMODELLING OF WINDOW OPENINGS
IN
RAMSEY COUNTY JAIL BUILDING
JAN. 28, 1958 SCALES NOTED
OFFICE OF COUNTY ENGINEER
Harry J. Brown
County Engineer, Del.

TYPICAL DETAILS W.M.C. STANDARD ALUMINUM RIBBON WINDOW



STANDARD RIBBON

Master Specifications

GENERAL . . .

Furnish and install WMC extruded aluminum ribbon windows of size and type as indicated on drawings as manufactured by the WAUSAU METALS CORPORATION, Schofield, Wisconsin.

MATERIAL . . .

All WMC ribbon windows shall be constructed of extruded aluminum 6063-T5 alloy having a minimum tensile strength of 27,000 pounds per square inch.

	Mean Thickness	*Width*	*Min. Wt. Per Lineal Ft.*	
Frame	⅛"	4½"	Head	1.140 lbs.
			Jamb	1.170 lbs.
			Sloping Sill	1.134 lbs.
Operating Sash	3/16"	1½"	Head	.616 lbs.
			Jamb	.616 lbs.
			Bottom	.691 lbs.
Butted Mullions	2⅛"	4½"		3.82 lbs.
Customline Mulls	⅜"	3 "		2.00 lbs.

CONSTRUCTION . . .

All windows shall be constructed of a continuous head and sill which forms a packaged unit up to 14 feet per unit.

Exterior surfaces which come in contact with mortar shall have a protective coating applied at the factory.

Operating sash shall be provided with a minimum of two weather contacts to the frame and with two ¾" x 3/16" aluminum balancing arms with brackets affixed to the frame.

Sash shall be easily removable and shall project inward or outward as specified.

Aluminum friction shoe housing shall be extruded as an integral part of the sash sill member with a tension spring, Jarloc No. 1 sliding friction shoe, and adjustable tension feature.

All frame and sash shall be fabricated with true neat mitres, and shall be welded with full approved electric welds at all corners.

HARDWARE . . .

Operating sash shall be equipped with either ring type bronze or zinc die-cast cam handles or ring type spring catches (aluminum finish). Spring catches can only be used on inward projected sash. Operating poles shall be available when required.

FINISH . . .

Frame and sash shall be steel wool hand-rubbed, cleaned, clear of mars and blemishes with an application of protective coating of clear methacrylate lacquer applied at the factory.

WEATHERSTRIPPING . . .

Special extruded vinyl weatherstripping shall be applied around the entire perimeter of the sash proper when specified. It shall be received by a specially designed groove extruded in all sash members.

GLAZING . . .

Sash shall be prepared for outside (or inside) bead or putty glazing. Glazing bead shall be furnished for ⅛" through 1" glass when specified.

SCREENS . . .

Screens when specified, shall be of tubular aluminum frame construction covered with 18 x 14 mesh aluminum wire. Screens shall be mounted outside or inside as required.

STORM SASH . . .

Storm sash when specified, shall be of aluminum construction and shall be mounted outside or inside in a manner similar to screens.

DWG. NO. 2575

(Sheet #2)

WAUSAU METALS CORP.
BOX 7 SCHOFIELD, WISCONSIN

257-S

DRN-1/31/57	OER	SCALE-SECTIONS ½

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