

OPERABLE SCREEN SPECIFICATIONS

GENERAL

- SECURITY SCREENS HAVE BEEN TESTED BY AN INDEPENDENT LABORATORY TO MEET SMA 6001-90 "AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR METAL PROTECTION SCREENS"

MATERIAL

- FRAME AND MULLIONS TO BE ROLL FORMED LOCKSEAM TUBULAR MINIMUM .033 (22 GAUGE HOT DIPPED GALVANNEAL STEEL, B45/60 TEMPER, SMOOTH FINISH. FRAME TO BE .937 X .875 WITH .563 RETAINER LEG AND ¼" LOCKSEAM.
- STAINLESS STEEL WIRE CLOTH SHALL BE TYPE 304 WOVEN 12 X 12 SPACES PER INCH FROM .028 DIAM. WIRE WITH A MINIMUM STRENGTH OF 700 LBS. PER LINEAR INCH MANUFACTURER TO PROVIDE CERTIFIED TEST RESULTS FROM AN INDEPENDENT LABORATORY TESTED AGAINST ASTM A370-97A USING MAXIMUM 1" X 12" STRIPS. WIRE TO CONTAIN A MINIMUM OF 18.00 TO 20.00 PERCENT CHROMIUM AND 8.00 TO 12.00 PERCENT NICKEL WITH A MAXIMUM OF 0.03 PERCENT CARBON.
- WIRE MESH RETAINERS TO BE MINIMUM 18 GAUGE 90 DEGREE SHAPED ½" X ⅝" GALVANIZED STEEL.
- HINGES TO BE STAINLESS STEEL PIANO HINGE 1.5 OPEN WIDTH X .037 .100 DIAM. STAINLESS STEEL PIN, ⅛" PIERCE ON 4" STAGGER WITH 1" OFFSET FOR TOP SIDE OR CENTER OPERATING AS REQUIRED. HINGE TO BE INSTALLED WITH ⅛" STAINLESS STEEL RIVETS
- STANDARD EGRESS HARDWARE TO BE SPRING LOADED SLIDE LATCH TYPE PROVIDING POSITIVE LOCKING ON BOTH SIDES OF SCREEN. PIN SPRING AND HOUSING TO BE STAINLESS STEEL
- OPTIONAL SINGLE POINT HARDWARE AVAILABLE. ALL OPERATING MECHANISM ON SINGLE POINT LOCKING SYSTEM TO BE COMPLETELY CONCEALED EXCEPT FOR OPERATING HANDLE

CONSTRUCTION

- ALL CORNERS OF SCREEN FRAME AND MULLIONS WHERE REQUIRED, TO BE WELDED, CLEANED, AND PREPARED FOR FINAL FINISHING.
- WIRE MESH TO BE NOTCHED AT FOUR CORNERS AND FORMED AT 90 DEGREE ANGLE TO PROVIDE A MINIMUM OF ½" RETURN ON ALL FOUR SIDES.
- SCREEN MESH TO BE HELD IN PLACE WITH MINIMUM 18 GAUGE 90 DEGREES SHAPED STEEL ANGLE TO PROVIDE A TIGHT FIT. FLAT STRIP RETAINERS ARE NOT ACCEPTABLE. RETAINERS TO BE HELD IN PLACE WITH TEMPER RESISTANT ROBERTSON #8 X ⅝" SCREWS 3 ½" CENTER AND PENETRATE RETAINER AND WIRE MESH.

FINISH

- ALL EXPOSED SURFACES OF FRAME AND MESH TO BE PRE-TREATED BY MEANS OF FIVE STAGE IRON PHOSPHATE WASH, POLYESTER POWDER PAINT APPLIED ELECTROSTATICALLY AND BAKED AT 400 DEGREES FOR 20 MINUTES. ASSM B117 SALT SPRAY TESTING TO MEET OR EXCEED 300 HOURS IN ACCORDANCE AAMA 902 SECTION 32 CORROSION RESISTANCE. IN ADDITION TO A WIDE RANGE OF STANDARD COLORS, SPECIAL COLORS TO FIT ARCHITECTURAL REQUIREMENTS ARE AVAILABLE.

SPECIAL NOTES

- ACCURATE FIELD MEASUREMENTS ARE REQUIRED PRIOR TO CONSTRUCTION OF SECURITY SCREEN.

WARRANTY

- ALL SCREENS SHALL BE WARRANTED AGAINST DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DELIVERY DATE. ABUSE, NORMAL FADING OF COLORS, AND NORMAL WEAR AND TEAR ARE NOT COVERED UNDER THIS WARRANTY. ANY DAMAGES IN SHIPMENT MUST BE REPORTED TO HIPPER UPON RECIEPT TO MAINTAIN WARRANTY.