

2.04 Louver Models
A. C/S 4" (101.6mm) Double Drainable Fixed Extruded Mullion Louver Model 4157
 1. **Material:** Heads, sills, jambs and mullions to be one piece structural aluminum members with integral caulking slot and retaining beads. Mullions shall be sliding interlock with internal drains. Blades to be one piece aluminum extrusions with gutters designed to catch and direct water to jamb and mullion drains. Compression gaskets shall be provided between bottom of mullion or jamb and top of sill to insure leak tight connections. Material thickness to be as follows: Heads, sills, jambs and mullions: 0.081" (2.06mm). Fixed blades 0.081" (2.06mm).
 2. **AMCA Performance:** A 4' x 4' unit shall conform to the following:
 Free Area7.93 sq. ft. (0.74 sq. m.)Free area velocity at the point of beginning water penetration1123 FPM (342.3 m/min)Intake Pressure drop at the point of beginning water penetration0.19 in. H₂O (2.91 mm)
2.05 Finishes
A. General: Comply with NAAAMM "Metal Finishes Manual" for finish designations and application recommendations, except as otherwise indicated. Apply finishes in factory. Protect finishes on exposed surfaces prior to shipment. Remove scratches and blemishes from exposed surfaces that will be visible after completing finishing process. Provide color as indicated or, if not otherwise indicated, as selected by architect.
B. Fluorocarbon Coating
 1. Louvers to be finished with an inhibitive thermo-cured primer, 0.2 mil minimum dry film thickness, and a thermo-cured fluorocarbon coating containing "Kynar 500" resin, 1.0 mil minimum dry film thickness.
 2. All aluminum shall be thoroughly cleaned, etched and given a chromated conversion pre-treatment before application of the Kynar/Hylar coating. The coating shall receive a bake cycle of 17 minutes at 4500F. All finishing procedures shall be one continuous operation in the plant of the manufacturer.
 3. Manufacturer to furnish an extended 20 limited warranty for the Kynar/Hylar coating. This limited warranty shall begin on the date of material shipment.
2.06 Bird / Insect Screens
A. Unless otherwise indicated, all louvers to be furnished with mill finish bird or insect screens.
B. Screens to be 18 x 16 aluminum mesh 0.011" (0.279mm) diameter wire insect screens secured within 0.055" (1.40mm) thick extruded aluminum frames. Frames to have mitered corners and corner locks.
2.07 Blank Offs
A. Furnish where indicated on the drawings blank-off panels fabricated by the louver manufacturer.
B. Blank-off panels to be 2" (50.8mm) thick and to be faced on both sides with 0.032" (0.81 mm) thick aluminum sheet. Panels to be fabricated with an expanded polystyrene (EPS) core having an R-value of 8 (0F·ft²·h/Btu). Panel perimeter frame to be 0.050" (1.27mm) thick-formed aluminum channels. Panel frame to be mitered at the corners. Panels to be finished to match louvers
PART 3 EXECUTION
3.01 Examination: Examine openings to receive the work. Do not proceed until any unsatisfactory conditions have been corrected.
3.02 Installation:
A. Comply with manufacturer's instructions and recommendations for installation of the work.
B. Verify dimensions of supporting structure at the site by accurate field measurements so that the work will be accurately designed, fabricated and fitted to the structure.
C. Anchor louvers to the building substructure as indicated on architectural drawings.
D. Erection Tolerances:
 1. Maximum variation from plane or location shown on the approved shop drawings: 1/8" per 12 feet of length, but not exceeding 1/2" in any total building length or portion thereof (non-cumulative).
 2. Maximum offset from true alignment between two members abutting end to end, edge-to-edge in line or separated by less than 3": 1/16" (shop or field joints). This limiting condition shall prevail under both load and no load conditions.
E. Cut and trim component parts during erection only with the approval of the manufacturer or fabricator, and in accordance with his recommendations. Restore finish completely. Remove and replace members where cutting and trimming has impaired the strength or appearance of the assembly.
F. Do not erect warped, bowed, deformed or otherwise damaged or defaced members. Remove and replace any members damaged in the erection process as directed.
G. Set units level, plumb and true to line, with uniform joints.
3.03 Protection:
A. Protect installed materials to prevent damage by other trades. Use materials that may be easily removed without leaving residue or permanent stains.
3.04 Adjusting and Cleaning:
A. Immediately clean exposed surfaces of the louvers to remove fingerprints and dirt accumulation during the installation process. Do not let soiling remain until the final cleaning.
B. Before final inspection, clean exposed surfaces with water and a mild soap or detergent not harmful to the to the material finishes. Thoroughly rinse surfaces and dry.
C. Restore louvers and accessory components damaged during installation and construction so no evidence remains of corrective work. If results of restoration are unsuccessful, as determined by the Architect, remove damaged materials and replace with new materials.
 1. Touch up minor abrasions in finishes with a compatible air-dried coating that matches the color and gloss of the factory applied coating.

End of Section

SECTION 10801 TOILET AND BATH ACCESSORIES:
 See Plans

END OF SECTION

DIVISION 15 MECHANICAL

SECTION 15400 PLUMBING:
 Division 1 applies to this Section. Provide plumbing work complete as indicated, specified, and required. Refer to Drawings for specifications, details and notes.

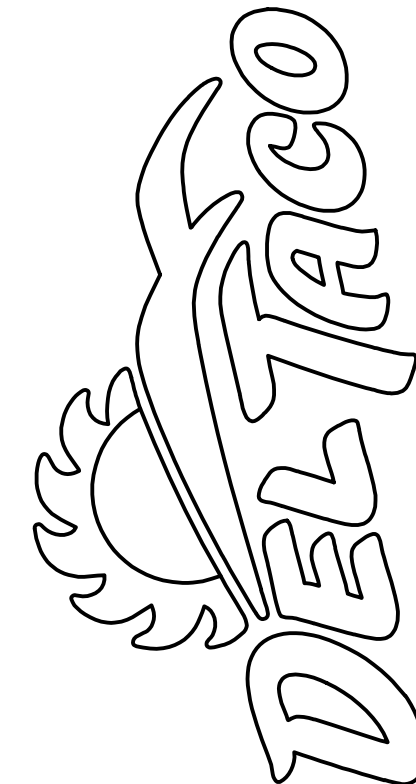
END OF SECTION

DIVISION 16 ELECTRICAL

SECTION 16000 ELECTRICAL:
 Division 1 applies to this Section. Provide electrical work complete as indicated, specified, and required. Refer to drawings for specifications, details and notes.

END OF SECTION

END OF SPECIFICATIONS



DO NOT SCALE DRAWINGS
 CONTRACTOR TO VERIFY
 ALL EXISTING CONDITIONS AND
 DIMENSIONS—NOTIFY ARCHITECT
 OF ANY DISCREPANCIES PRIOR
 TO BEGINNING CONSTRUCTION



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NO | REVISION

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 4525 JIMMY LEE SMITH PARKWAY
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 PAULTON COUNTY
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