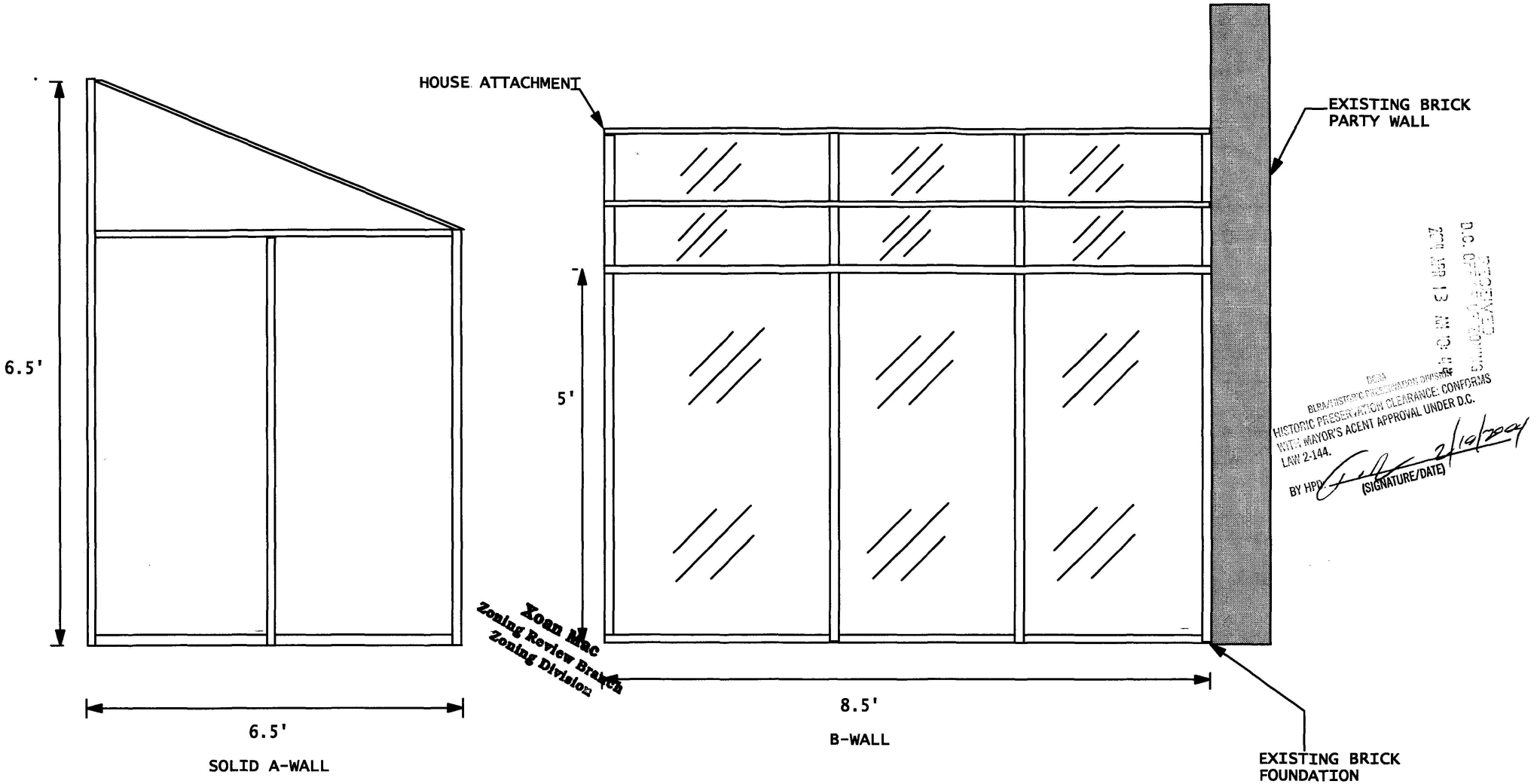


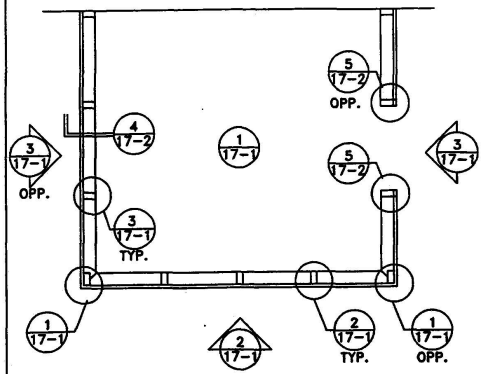
DC HISTORICAL DIVISION

JEFFREY BOOTH

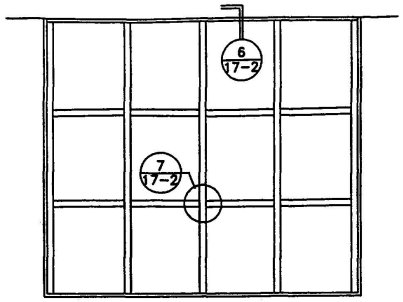
BZA
Case No. 17181
Exhibit No. 23

JEFFREY BOOTH
914 1/2 25TH STREET NW
WASHINGTON, DC 20006

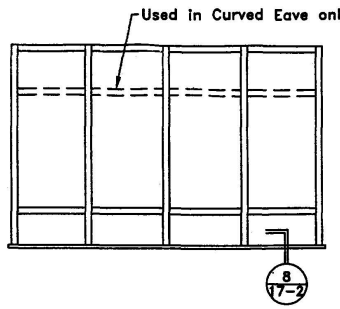
Board of Zoning Adjustment
District of Columbia
CASE NO. 17181



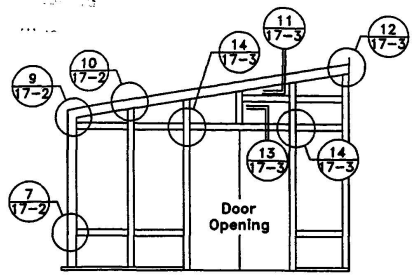
Solarium Plan View



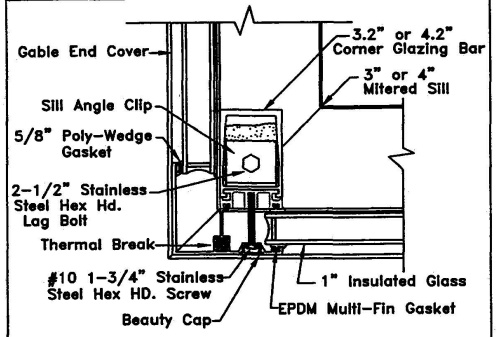
Elevation – Top View (1 17-1)



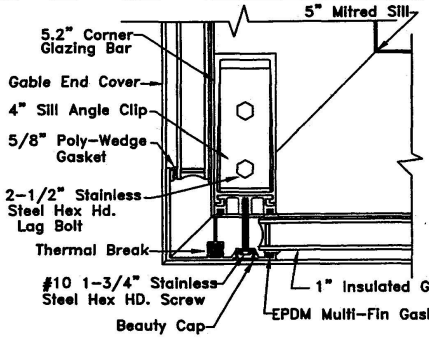
Elevation – Front View (2 17-1)



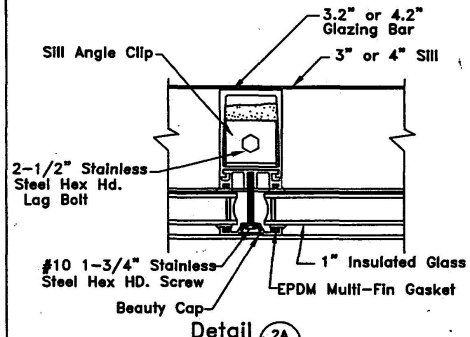
Elevation – Side View (3 17-1)



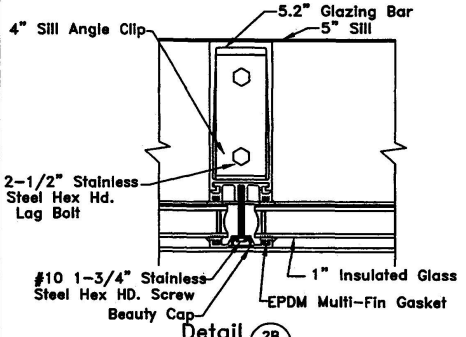
Detail (1A 17-1)



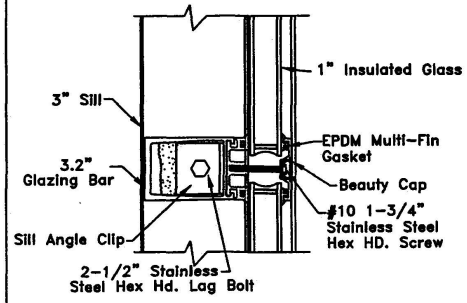
Detail (1B 17-1)



Detail (2A 17-1)



Detail (2B 17-1)



Detail (3 17-1)

NOTE:

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GENERAL STRUCTURAL DETAILS FOR PEI SOLARIUMS

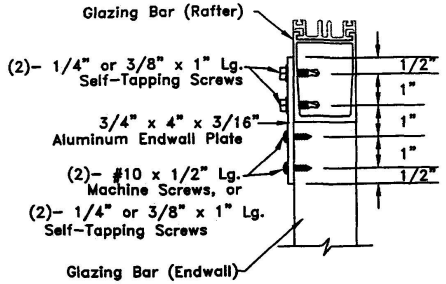
NOTE: Details on this sheet are also in section 500 of the "Solarium Engineering Manual"

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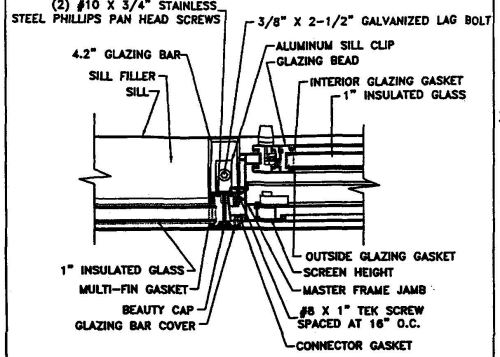
DISTRICT OF COLUMBIA
KARL A. RINAS
10646
REGISTERED PROFESSIONAL ENGINEER
12-18-03

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REVISIONS: 05-06-03 VNG		
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		SOLARIUMS
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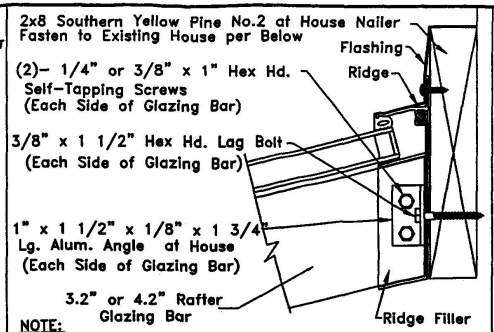


NOTE:
High wind conditions may require alternate endwall plate & fasteners. Contact P.E.I. engineering

Detail 4 17–2

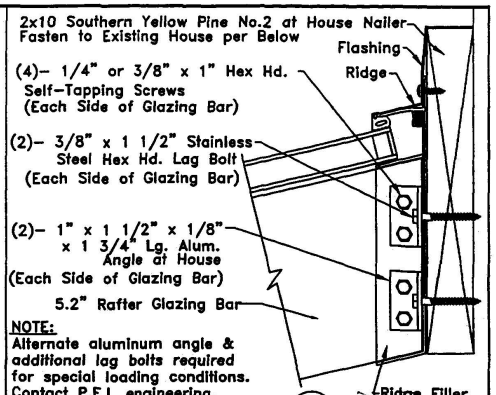


Detail 5 17–2



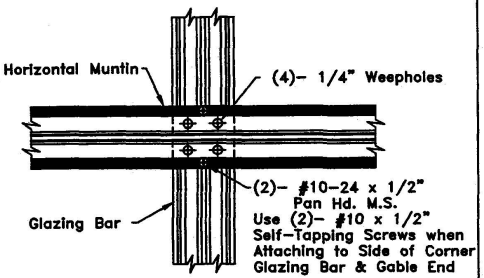
NOTE:
Alternate aluminum angle & additional *lag bolts required for special loading* conditions. Contact P.E.I. engineering.

Detail 6A 17–2

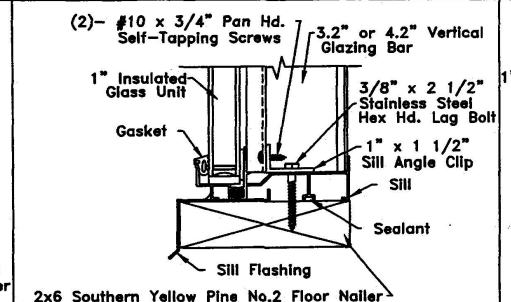


NOTE:
Alternate aluminum angle & additional lag bolts required for special loading conditions. Contact P.E.I. engineering.

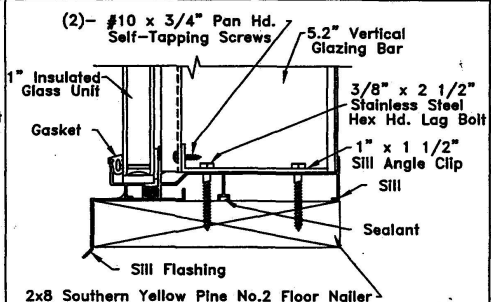
Detail 6B 17–2



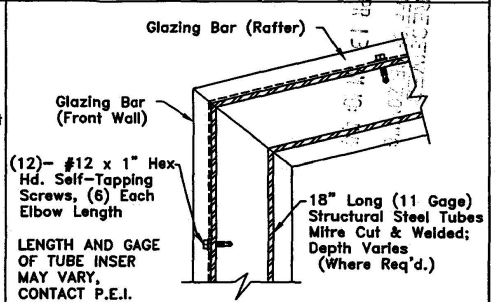
Detail 7 17–2



Detail 8A 17–2

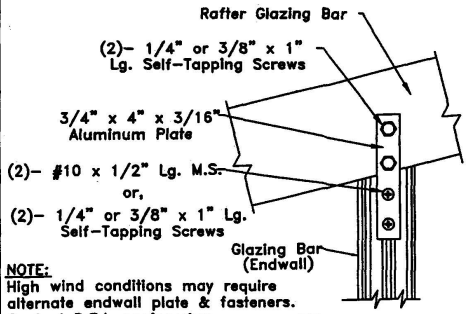


Detail 8 17–2



LENGTH AND GAGE OF TUBE INSER MAY VARY, CONTACT P.E.I. ENGINEERING FOR JOB SPECIFIC *CONDITIONS*

Detail 9 17–2



NOTE:
High wind conditions may require alternate endwall plate & fasteners. Contact P.E.I. engineering

Detail 10 17–2

NOTE:

House nailer–to–existing structure fasteners;
(2)– 3/8" ø x 3 1/2" lg. lag screws into every other stud, or
(2)– 3/8" ø x 3 1/2" lg. lag screws w/2" lg. lag shields into concrete block or brick, @ 38" O.C.

House nailer–to–floor fasteners;
(2)– 3/8" ø x 3" lg. Dyna bolt or wedge bolt concrete fasteners into concrete @ 38" O.C.
(2)– 3/8" ø x 3 1/2" lg. stainless steel or hot dipped galvanized lag screws into joists @ 32" O.C.

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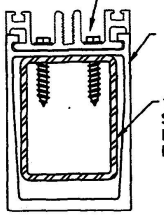
GENERAL STRUCTURAL DETAILS FOR PEI SOLARIUMS

NOTE: Details on this sheet are also in section 500 of the "Solarium Engineering Manual"

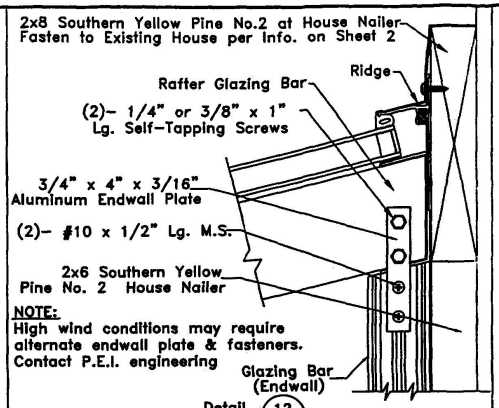
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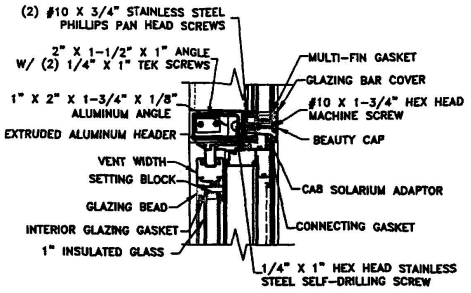
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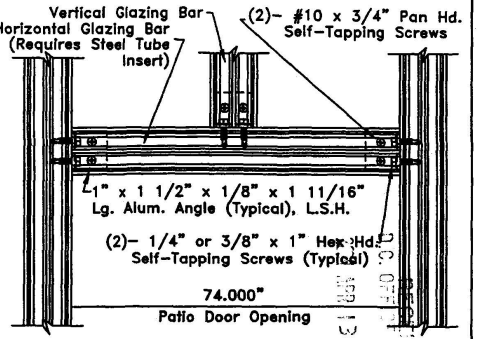
Detail 11 (17-3)



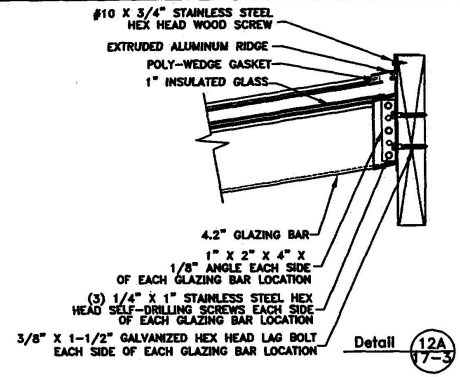
Detail 12 (17-3)



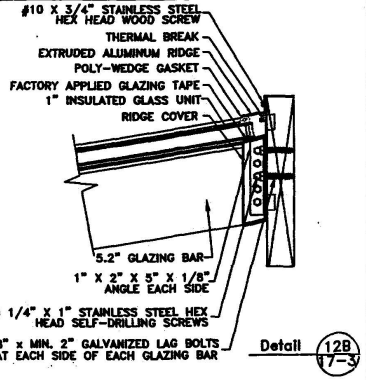
Detail 13 (17-3)



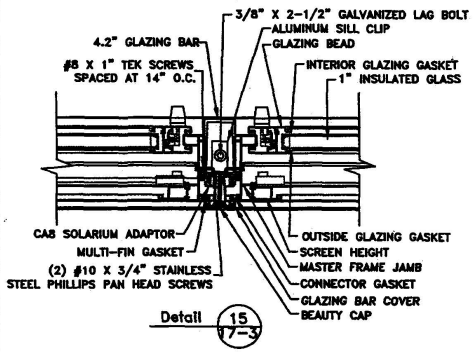
Detail 14B (17-3)



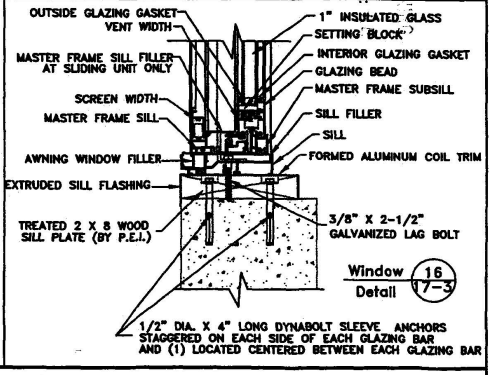
Detail 12A (17-3)



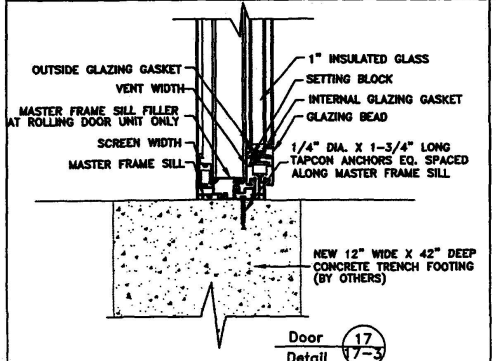
Detail 12B (17-3)



Detail 15 (17-3)



Window Detail 16 (17-3)



Door Detail 17 (17-3)

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GENERAL STRUCTURAL DETAILS FOR PEI SOLARIUMS

NOTE: Details on this sheet are also in section 500 of the "Solarium Engineering Manual"

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