



APPENDIX D FORMS AND WORKSHEETS

This Appendix includes a blank set of forms to aid the permit applicant in demonstrating compliance with the 90.1 Code. The compliance forms are subdivided by specialty: electrical power and lighting systems, building envelope, building mechanical systems and equipment (includes HVAC), and service water heating systems.

Within each specialty there is a summary form with a checklist, and worksheets as appropriate. The summary form and the checklist help ensure that the applicant provides all the necessary information to expedite the building department's review of the permit application. The summary form also provides a concise way for the plans examiner to quickly assess whether a project is likely to comply. Plans can then be cross-checked to verify that the summary form information matches that on the plans. Worksheets are provided for those cases where calculations are necessary due to multiple types of building envelope assemblies, fans or lighting fixtures.

More detailed instructions for how the the applicant should fill out these forms and how the forms should be used by the plans examiner and the field inspector are provided in the Compliance and Enforcement sections of each technical chapter of this 90.1 Code Compliance Manual; an example set of filled out forms is provided in the Case Study section of each technical chapter.

Following is a brief description of the nine compliance forms:

Electrical and Lighting (Section 401)

Summary and Checklist - the front of the form contains a summary of the basic information necessary to check compliance with the electrical and lighting



requirements; the back lists the information to be put on the plans and includes an example lighting schedule.

Lighting Wattage Worksheet - the front of this worksheet is for demonstrating that the total proposed interior lighting wattage meets the requirements of either Section 401.3.2a or 401.3.2b; the back is for demonstrating that the proposed exterior lighting meets the requirements of Section 401.3.1 and contains instructions for completing the worksheet.

Lighting Controls Worksheet - the front of this worksheet is for demonstrating that the controls meet the requirements of Section 401.3.4.2 and contains instructions for completing the worksheet; the back has extra lines for additional spaces.

Building Envelope (Section 402)

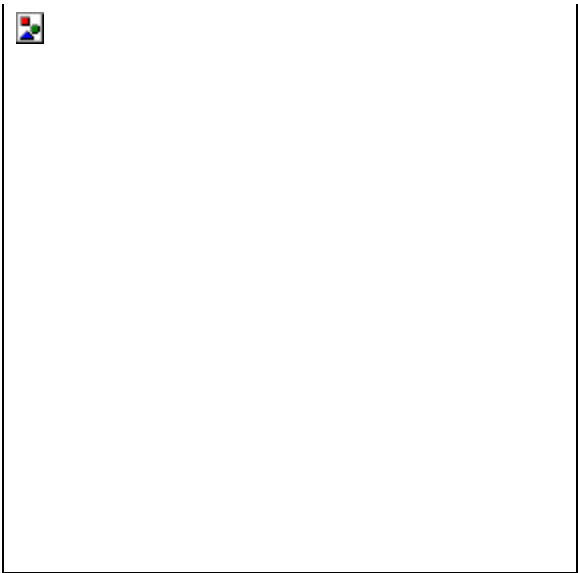
Summary and Checklist - the front of the form contains a summary of the basic information necessary to check compliance with the envelope requirements; the back lists the information to be put on the plans and includes example window/skylight and opaque door schedules.

Roof/Floor Worksheet - the front of this worksheet is for calculating the proposed overall U-factor for the gross areas of the roof (including non-exempt skylights, walls adjacent to unconditioned space [including doors in this wall], and floors over unconditioned space) to show compliance with Section 402.3.1; the back is for calculating the proposed overall U-factor, shading coefficient, and VLT for exempt skylights to show compliance with Section 402.3.1 and contains instructions for completing the worksheet.

Exterior Wall Worksheets- the front of this worksheet is for calculating the proposed overall U-factor, shading coefficient, visible light transmittance and projection factor for the fenestration; the back is for the proposed overall U-factor and heat capacity for walls (including opaque doors) to show compliance with Section 402.4 and contains instructions for completing the worksheet.

Building Mechanical Systems and Equipment (Section 403)

Summary and Checklist - Two options are provided - a short form for small simple systems which is contained on the front and back of one page, and a complete form which covers two pages front and back.



The front of the forms contain a summary of the basic information necessary to check compliance with the HVAC requirements; the backs list the information to be put on the plans and includes example heating, cooling, and fan equipment schedules.

Fan System Worksheet - the front of this worksheet is for demonstrating that the fan system W/cfm meets the requirements of Section 403.2.4 and contains instructions for completing the worksheet; the back has extra lines for additional systems.

Service Water Heating Systems (Section 404)

Summary and Checklist - the front of the form contains a summary of the basic information necessary to check compliance with the service water heating requirements; the back lists the information to be put on the plans.

Table D-A Inspection Types

Electrical	Envelope	HVAC	SHW
Rough	Foundation	Rough	Rough
Final	(Electrical) Framing Insulation	Final	Final