

CLEAR LAKE
LAKE FRONT DEVELOPMENTS



APPENDIX D

Architectural and Sustainable Features

PROVIDED BY HOLMES ON HOMES – MAKE IT RIGHT PRODUCTIONS INC.



Project: Clearlake, AB

Selected Sustainable/Green Design Features Summary:

Performance Summaries:

Walls: min. R24

Roof: min. R35

Windows: R-value: 3.0, u-value: 0.35

Low 'E' Coatings [no. 2 or 3 face as required]

Ceramic Frit [no. 2 or 3 face as indicated]

Rainscreen Alum. Window Systems: anodized and pre-finished

Manufacturers to be selected or equivalent

Air Leakage: 0.6 L/s/sq.m in accordance with ASTM E283 at test pressure of 75Pa (1.56psf)

Water Penetration: in accordance with ASTM E331 (test pressure of 300 Pa)

Special Applications*: Solera Insulating Units, Operable window Systems, Ext. & int. blind systems

Durability: Concrete substructure with pre-fabricated galvanized structural steel stud infill assemblies

Primary Exterior Assemblies: resin-impregnated exterior wood panels [Parklex]; exterior

finish cement panels [Super-Panel]; High-compressive backed E.I.F.S; to be determined

Orientation: South and Southwest

Controls: Building Automated Systems [BAS] tied to weather sensor, mech. systems and operable windows.

Provide individual controls in each living space for a responsive environment.

Sustainable Features:

Accessible Green Roof,

Solar Pre-Heat Domestic Hot Water System,

Instant Gas-fired "Briefcase" Boilers,

LifeBreath HRV ventilation/cooling units;

Solar Photovoltaics Rooftop Array,

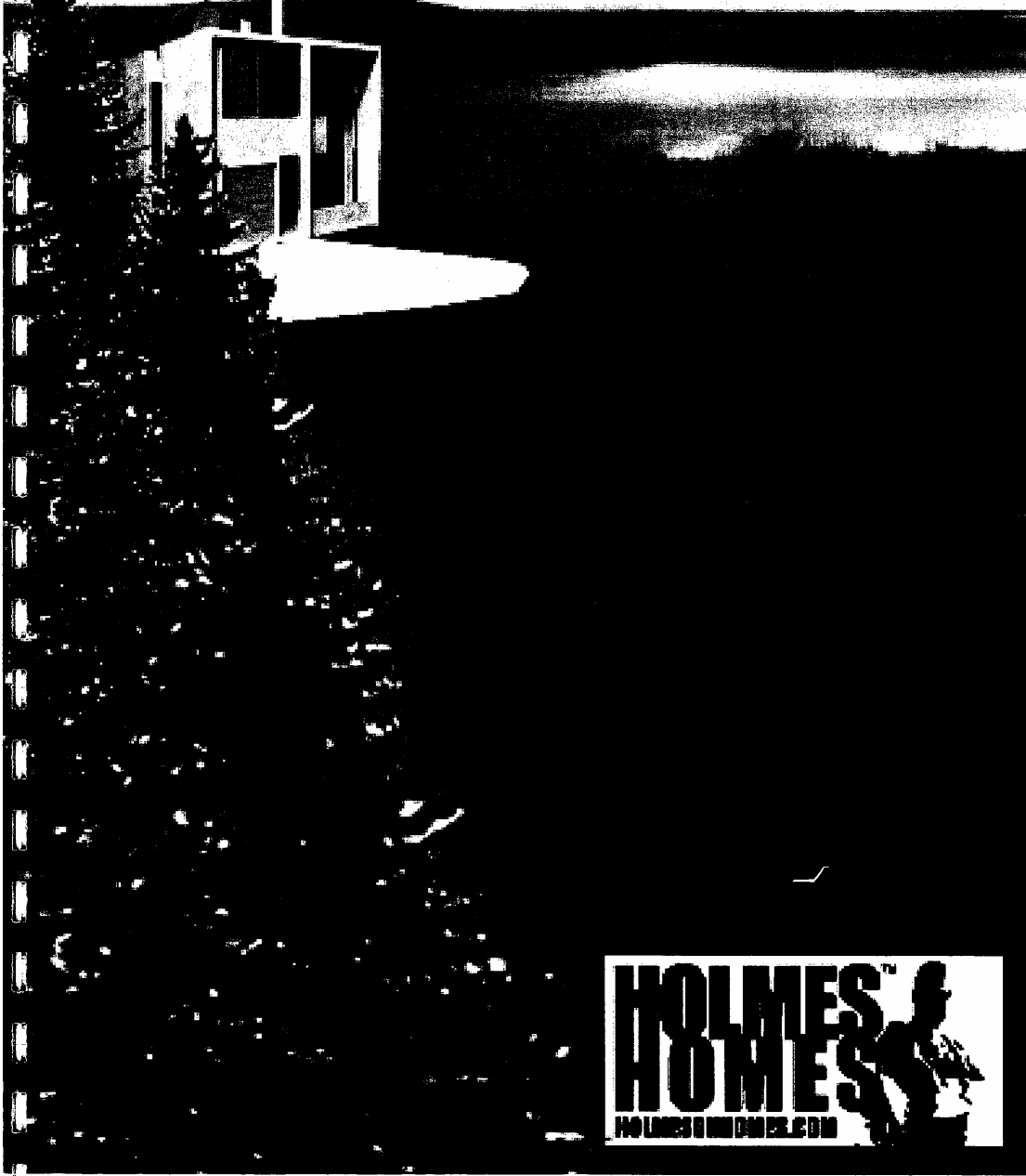
High-performance envelope,

Solar Chimney and Natural Ventilation Stack,

Low to zero-VOC products, etc.

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