PORTLAND COURTYARD HOUSING: INNER PORTLAND INFILL SITE

INDEPENDENT STRUCTURES ON FEE SIMPLE LOTS, FORM A SHARED COURT. THIS MULTI-USE SPACE, PERMEABLY PAVED, TERMINATES IN A SHADEN COMMON GREEN, A VEGETATED INFILTRATION BASIN. APPROPRIATE SETBACKS & SINGLE FAMILY SCALED MASSING MERGE WITH THE NEIGHBORHOOD. FAMILIAR MATERIALS, ALTHOUGH IN MODERN FORMS, ADD DOMESTIC SCALE. DOORYARDS DEFINE TERRITORY, SEPARATING PUBLIC FROM PRIVATE. MODESTLY SCALED & SIMPLE, THE HOUSES FORM A VARIETY OF SPACES THAT FOSTER PRIVACY AND SECURITY. CHILDREN PLAY ON PRIVATE PATIOS, FRONT PORCHES. THE SHARED COURT IS A COMMUNITY GREEN, ALL WITHIN VIEWS AND EARSKET OF THE HOME. ENVIRONMENTALLY APPROPRIATE TECHNOLOGIES & MATERIALS FOSTER A SUSTAINABLE LIVING ENVIRONMENT FOR FAMILIES TO FLOURISH.

Project Data:
6 Home (26 duplex) - Site Coverage 4,660 sq.ft. (47%) - Total Area 6,800 sq.ft. - Hgt 22.5 ft.
(4) 3 Bedroom Homes @1,200 sq.ft. each + (2) 2 Bedroom Homes @ 1,000 sq.ft. each

SUSTAINABILITY:
Natural ventilation, solar panels
Porous concrete and planted basin
Universal design-housing for all ages
Mixed-income strategy
Automobiles-porous concrete

CONNECTIONS:
Universal access
Public courtyard connects to street
Individual housing entrances
Circulation plan: central court

OPEN SPACES:
Central courtyard=social interaction
Garden has shading and seats
Houses have individual lots

CONTEXT:
Urban infill
House setbacks match surroundings
Scaled to other buildings
Familiar materials

HOME QUALITIES:
Individual units strongly defined
Private and public zones
Porches and volumes highlight individual units
Layered connection to the street=safety
Efficient heating and cooling

Considerations for Stone's Warehouse:
-Urban infill, neighborhood site
-Good example for Raleigh planners-clear guidelines and good proposal format
-Mixed income strategy
-Sustainable design-ventilation, solar
-Automobile/pedestrian spaces

Portland Courtyard Housing,
Portland Oregon, 2007
ACME Architecture (Keith Rivera, Kristin Anderson)
Mixed-Income Housing