Bob & Judv Charles SmartHome

pdh ARCHITECTS

Deneuve

Imagine! Believing in the potential of all. Innovative Resources For Cognitive and Physical Challenges

APPLIANCES
- HIGH EFFICIENCY ENERGY STAR®
- TASK PROMPTERS

BATHROOMS
- AUTOMATIC FAUCET & SOAP DISPENSERS
- CEILING MOUNTED LIFTS
- EMERGENCY CALL BUTTON

ENTERTAINMENT & ENVIRONMENTAL CONTROLS
- SPECIALIZED JOYSTICKS, KEYBOARDS & MICE TO ALLOW CONSUMERS CONTROL THEIR ENVIRONMENTS

BEDROOMS
- CEILING MOUNTED LIFTS
- EMERGENCY CALL BUTTON
- ADAPTIVE WEB BROWSERS, EMAIL & PHONE
- BED WEIGHT & MOTION SENSORS

PHOTO VOLTAIC PANELS
- ELECTRIC ENERGY
- HARVESTING
- 6.75 Kw SYSTEM

SOLAR HOT WATER PANELS
- DOMESTIC HOT WATER, PANNELS SUPPLEMENTED BY HEAT GENERATED IN THE SMARTHOME SERVER ROOM

NATURAL DAYLIGHTING CLERESTORY
- SOLAR TUBE

KITCHEN
- MOTORIZED H.C. ADJUSTABLE KITCHEN SINK & INDUCTION COOKTOP
- TASK PROMPTING TO ASSIST IN DAILY TASKS
- ADJUSTABLE WORK SURFACE

ENTRY DOORS
- KEYLESS ENTRY - R.F.I.D. BADGES WITH COMMUNICATION CAPABILITIES
- AUTOMATED DOOR OPENERS
- DOOR SENSOR TO ALERT STAFF

GEO-THERMAL GROUND SOURCE HEAT PUMPS
- FORCED AIR HEATING & COOLING SYSTEM

WINDOWS
- MOTORIZED CLERESTORY WINDOWS FOR VENTILATION
- HIGH EFFICIENCY INSULATED GLASS & FRAMES
- AUTOMATED WINDOW BLINDS

BUILDING MATERIALS
- LOW VOC PAINTS
- CEMENTITIOUS SIDING & EXTERIOR TRIM
- LINSEED-BASED SHEET FLOORING
- RECYCLED-CONTENT CARPETING
- FSC-CERTIFIED FRAMING LUMBER
- ENGINEERED LUMBER FOR FLOOR FRAMING & BEAMS

STAFF CONTROLS
- WEB-BASED MEDICATION PROMPTING SYSTEM
- BUILDING SENSORS (INCLUDING MOTION, TEMPERATURE, DOOR/WINDOW) TO ALERT STAFF OF CHANGES WITHIN THE HOME
- R.F.I.D. LOCATION BADGES FOR CONSUMERS & STAFF
- WEB-BASED INFORMATION EXCHANGE PORTALS (CONSUMERS, STAFF, MANAGERS, FAMILY MEMBERS & GUARDIANS)

ENERGY EFFICIENCY
- ADDITIONAL RIGID & POLYICYNEN SPRAY APPLIED INSULATION TO INCREASE BUILDING ENERGY PERFORMANCE
- COOLING THROUGH NATURAL VENTILATION
- ENERGY EFFICIENT FLOURESCENT LIGHTING FIXTURES
- HIGH EFFICIENCY HEATING & COOLING WITH HEAT RECOVERY SYSTEM
- PASSIVE SOLAR HEATING
- WHOLE HOUSE ENERGY LOAD MONITORING