

SPECIFICATIONS

for a

RESORT HOUSE

for

MR. AND MRS. DAVID BARRY, JR.

Kaalawai, Honolulu, Hawaii

3685 Diamond Head Road

VLADIMIR OSSIPOFF, F.A.I.A., ARCHITECT

Penthouse - Hawaiian Life Building
Honolulu 14, Hawaii

September 2, 1959

Job No. 59-26

File No. 59-26

ADDENDUM NO. 1

to the PLANS AND SPECIFICATIONS

for RESORT HOUSE for MR. and MRS. DAVID BARRY, JR.

Kaalawai, Honolulu, Hawaii

VLADIMIR OSSIPOFF, F.A.I.A.

AND ASSOCIATES

Kenneth Akiyama, A.I.A.

ARCHITECTS

Penthouse - Hawaiian Life Bldg.

Honolulu 14, Hawaii

25 March 1960

NOTE: The work described in the Specifications dated 9/2/59 and shown on the Drawings dated 11/23/59 is hereby amended and added to as per the following corrections and modifications which shall take precedence over the Plans and Specifications;

1. Omit swimming pool which will be provided under separate contract. General Contractor shall cooperate with Pool Contractor in coordinating the work.
2. Substitute Woven Sugi for Redwood Ply ceiling throughout Lower Pavilion.
3. Omit retaining wall Mauka of Bedroom Pavilion and its return; lower elevation of areaway Mauka of Bedroom Pavilion thus permitting the omission of retaining wall at Mauka edge of Bedroom Pavilion and its return, providing additional wood posts and individual footings as required; omit Mauka portion of retaining wall on street line where same extends Mauka of cross wall at end of pool.
4. Omit stone wall at Makai edge of Mauka pavilion and its return.
5. Substitute #2 shingles for #1.
6. Substitute 8" T & G for 10".
7. Omit T & G sheathing on eaves.
8. Omit refrigerator.
9. Omit Contingency Fund.
10. Revise Kitchen per detail sheets 1 & 2 entitled: "Add-1;2" dated 3/21/60.
11. Omit white topping on concrete slabs.

ADDENDUM NO. 1
D. Barry - 1:1

I. GENERAL SCOPE OF WORK:

1. General Conditions: Conditions of this contract governed by short form of General Conditions as published by American Institute of Architects.
2. Work Included: Intent of these specifications and drawings to include, except as may be specifically omitted and so mentioned herein--all labor, materials, equipment and supplies necessary to fully complete work as indicated and described, to leave same in first-class condition on completion, ready for use, finished in every detail and in complete working order.
3. Quality of Work: Mention herein or indication on drawings of articles, materials, operations or methods, requires that the contractor provide each item mentioned or indicated of quality, or subject to qualifications noted, ~~perform according~~ to conditions stated each operation prescribed and provide therefore all necessary labor, equipment and incidentals.

II. EARTHWORK, MASONRY & CONCRETE WORK:

1. Site:

- a. Before tendering proposal, visit site, note existing conditions and care for same in executing work.

2. Cesspool:

- a. Excavate in locations shown to 6'-0" diameter and depth as approved by Board of Health. Line walls with precast concrete units as manufactured by Price Pre-Cast Concrete Tank Co. Cap with 8" thick concrete slab reinforced with bars running in both directions 8" o.c., 2'-0" below finish grade. Provide removable manhole.
- b. Place soil excavated from cesspool on property as directed by architect.

3. Paving:

- a. Drop curb at street and install concrete ramp in accordance with City and County regulations.
- b. Place layer of #2 rock and tamp and roll to produce a 3" thick (after compaction) waterbonded macadam sub-base. Over sub-base place 1-1/2" thick layer of asphaltic concrete in accordance with manufacturer's specifications.

4. Fills:

- a. Deposit in layers not over 2 1/2" thick, puddle and tamp thoroughly.

5. Footings:

- a. Under Cement Block Walls: Continuous, reinforced concrete, size as indicated on drawings. Bottoms of all footings not less than 12" below natural grade. Pour in unlined, dampened trenches, but keep free of all excess water. Place reinforcing, anchor bolts and steel dowels as indicated.
- b. Under wood Posts: 20 x 20 x 8" concrete unreinforced blocks set on firm soil, surmounted by 7 x 7 x 4" concrete block set in mortar.

6. Masonry Walls:

- a. Hollow Cement Block: H.C. & D. Co.'s "Holl-O-Bloc" 8 x 16 face x thickness shown, laid in full beds of 1:3 cement mortar. Lay to true interior face with concave rodded joints.
- b. In all walls over 4'-0" high fill cells of top three courses with mortar and provide 2 continuous 3/8" round reinforcing placed in next to topmost horizontal joint.
- c. Stone Walls: Common field stone, "one-man" size, laid in 1:3 cement mortar to true plane on exterior face with joints not to exceed 1" in width and painted with cement mortar. As stone is laid, fill all interstices and crevices solid with stone chips and mortar. Keep exposed surface of walls clean of all mortar. Should any mortar adhere to face of wall, immediately wash off as stone wall is to remain unplastered and unpainted. Provide a through or header stone every 6'-0" o.c. horizontally and 3'-0" o.c. vertically, staggered. Provide weep holes at base of retaining wall, 6'-0" o.c. horizontally and 3'-0" o.c. vertically, staggered. Tops of wall and steps laid out in single stones full thickness of wall and selected for natural smoothness. Base of wall not less than 12" below natural grade and in all cases to rest on firm soil subject to approval of architect.

7. Concrete Work:

- a. Mass Concrete: (1) 2500 p.s.i. concrete mixed in transit; immediately deposited in trenches, tamped and rodded in place.
- b. Concrete Slabs: (1) Floor slabs 4" thick mass concrete reinforced with wire fabric. Poured in alternate slabs.
- c. Reinforcing: (1) Wire fabric - Clinton wire mesh, 6 x 6, 10/10 cold drawn electrically welded galvanized steel; lapped at joints and wired together.

d. Topping: Clean rough slab thoroughly flush with hose and sprinkle dust coat of dry cement over surface and apply 3/4" thick imitation coral stone topping of

1 part Medusa White Portland Cement
1 part Coarse white sand
2 parts coral stone granules

mix dry, then add only enough water to make mix plastic. Screed surface to true plane and sprinkle additional coral granules to the wet surface. Tamp in firmly and trowel to rough textured surface. Within 48 hrs. go over entire surface lightly with carborundum disk sander.

Location: Throughout at floor level of lower pavilion.

e. Scoring: In lieu of scoring, provide 2 x 2 redwood strips as shown.

f. Coloring: All integrally colored by addition of Lithochrome, or equal, dry coloring in accordance with manufacturers' instructions.

g. Protection of Work: Protect all concrete until 10 days old from direct rays of sun, from drying winds and against wash from rain. Keep continuously moist by sprinkling and cover all topping with 1" thick layer of clean sand, and keep wet for two days after laying.

8. Paving:

a. Pavement: Laid to true levels in beds of cement mortar with joints varying from 1/8" to 1/2" in thickness. Joints filled with colored cement mortar and neatly pointed.

Location: Entrance Gate.

III. CARPENTRY & MISCELLANEOUS:

1. Termite Control:

- a. All sills and plates resting on masonry and all framing below first floor level Wolmanized. All joints, cuts and holes given coat of Wolman salts solution before assembly.
- b. Install continuous soldered galvanized iron termite shields and flashing between all points where wood adjacent to masonry.
- c. In locations where galvanized iron flashing is impractical and only when approved by architect, 45 lb. asphalt impregnated felt may be substituted.

2. Nails and Anchor Bolts:

- a. Nails: Galvanized iron, of largest practicable size and as many used as practicable. Interior work secured with finishing nails. All nails set for puttying.
- b. Anchor Bolts: 1/2" diameter steel set approximately 5'-0" o.c.

3. Framing:

- a. Grade:

Sub-Floor Framing.....	Economy NWP
Plates or studs.....	Economy NWP
Rafters, concealed.....	Economy NWP
Rafters, Posts and beams exposed below floor.....	Construction NWP
Posts and beams exposed above floor.....	All Heart Redwood
- b. Workmanship: Lay out, cut, fit and erect carefully.
- c. Brace every third pair of rafters with 1 x 4 and 1 x 6 vertical and diagonal bracing.
- d. Carry floor joists to outer edge of sills and solid block with 2" stock; lap sills at bearing only.
- e. Brace foundation posts, interior, exterior and corner, 4 ways, 3 ways, and 2 ways, respectively.
- f. At studded walls studs S2E spaced 16" o.c. with single bottom plate, double top plate, firestop 4'-0" high and diagonal bracing at all corners.
- g. Provide cross-bridging in floor joists with spans in excess of 8'-0".

4. Roof Sheathing:

- a. Eaves: Select Heart Redwood, KD 1 x 6 T&G V-jt
 - (1) Cover with 15 lb. asphalt saturated felt.
 - (2) Strip with wood lath 4'-0" long laid at angle with eave edges; spaced 6" o.c. and with ends 1" apart.

b. Balance of Roof: NWP S1S, 1 x 3 stripping, 3" apart.

5. Roofing:

a. 16" #1 Clear 5/2 VG Cedar shingles. Double first coarse and lay in straight coarses 4-1/2" to weather. Shingles over 8" wide split before laying and all joints well staggered. Leave valleys open 4". Re-shingle ridges and hips. Use hand split shaker for ridges.

6. Exterior Sheathing:

a. S2S Clear, KD, All Heart Redwood, V-jt T&G, 1-1/4" x 10" where used as single wall and 1" x 10" where applied over studs. V-jts - small and rounded.

7. Interior Walls:

a. Clear, KD, Redwood S2S, 1" x 10 and 1-1/4 x 10 T&G small rounded V-jt 2S.
Location: Over Studs and Single Board Respectively.

8. Floors:

a. F.A.S. Apitong, or Eucalyptus Robusta Pentachlorophenol dip-treated 25/32 x 2-1/4, KD, end-matched, T&G joints glued and blind-nailed to each joist. Machine-sand and hand-sand to produce perfectly smooth even surface. Drill flooring as may be required to avoid splitting

Location: Throughout except that NWF Wolmanized shiplap may be used under tile floors of showers and toilet compartments.

9. Ceilings:

a. Canec: 3/4" thick in 12" wide V-jt strips, neatly applied to underside of roof stripping between exposed rafters.

Location: Throughout Upper Pavilion.

b. Redwood Ply: 1/4" thickness sawn to 16" widths and applied with 1" laps over 1 x 3 stripping or with shaped 2 x 2 battens as detailed.

Location: Throughout Lower Pavilion.

ALTERNATE 1: In lieu of 1/4" Redwood ply substitute Woven Sugi (4'-0" x 8'-0" panels of 2" strips #1059 Bamboo Window) apply batten as for ply ceiling.

NOTE: No ceilings required in garage.

10. Millwork:

a. Shop drawings must be submitted for approval of architect. Any millwork fabricated without submission of shop drawings subject to change both as to design and detail at no additional cost to owner. All dimensions must be verified at building.

b. Materials: (1) Redwood - Clear, All Heart, KD.

(2) Northwest Pine - Clear, KD, EG, free from pitch pockets or other defects, all surfaced 4 sides, mill-sanded and hand-sanded on job.

c. Frames: (1) All frames taking hinged doors, NWP. All other frames Redwood.

(2) True to squares and manufactured in best manner known to trade. Side jambs housed into head jambs and wood sills; joints white-lead.

d. Doors: (1) Other than stock, make to design indicated out of clear surfaced and sanded lumber. Stile and rail doors mortised, tenoned and glued together, belt-sanded. After installation all edges, mouldings and panels hand-sanded and cleaned up ready for painter. Interior doors, without thresholds, cut off floor to clear rugs. All of NWP except as otherwise called for.

(2) Flush doors - "Malarkey" or equal, hollow core, faced with Lauan.

(3) Blind doors made of wall material with exposed framework at back.

e. Sash: All of NWP except as otherwise called for made in accordance with drawings. Stiles and rails mortised, tenoned and glued together with waterproof glue. All sash accurately fitted.

f. Screens: #16 mesh monel, applied on face of stiles, stretched tight and secured with brass or monel tacks, brads, or staples and covered with wood moulding secured with brass nails.

g. Trim: As shown and run to detail of clear grade, EG, KD, Redwood; sanded at mill and sanded again by carpenter after erection; in long lengths and necessary joining neatly and accurately made. All casings, unless otherwise shown, mitred at corners. Provide base, shoe and cornice piece throughout.

h. Jalousies: Aluminum with worm gear operators. Tropical "Air Control", or approved equal.

11. Glass:

a. Window or Sheet: Flat drawn, "B" quality. Double strength and 7/32" sheet for sizes under and over 120 united inches, respectively.

b. Plate: 1/4" thick, polished, glazing quality.

c. Obscure: Unless otherwise called for Mississippi Glass Co.'s "Factrolite".

d. Mirrors: Electro-copper plated back, 1/4" plate. In general secured with "Miracle Adhesive" without edge mouldings and in all such cases edges polished, and painted black or as directed.

e. Broken and/or defective glass replaced. Glass in sash and doors bedded in putty and face puttied.

f. Shoji Panels: 1/16" thick white sheet Rippolite. Both faces lightly sand-blasted to remove sheen. Set in putty and wood stops.

g. Fusuma Door Covering: Furnished by owner, including backing for covering if required. Installed by contractor.

h. Grilles: Install as obtainable from Bamboo Window double O design #22.

12. Casework:

a. Shelving: (1) 3/4" thick, adjustable.

(2) Furnish 100 l.f. of shelving, in addition to that shown, where directed.

b. Kitchen Cabinets: 3/4" Philippine Mahogany ply.

c. Drawers: Accurately fitted, flush front; provided with hardwood guides.

13. Miscellaneous:

a. In "Cooler" in Kitchen provide removable frames stretched with hardware cloth.

b. Shower Doors: "Windsor", or equal, anodized aluminum, door and frame; glazed with obscure glass, size as shown.

c. Shelf Standards: Adjustable #233 K-V nickel-plated.
Location: All Kitchen Shelving.

d. Shower Pans: Crossline "Compotite" plastic shower pans installed in accordance with manufacturer's instructions.

e. Plastic Laminate: Micarta, Formica, Textolite, or equal, cigarette-proof grade in color or wood grain as selected by architect. Cemented to wood top and back. Finished off as directed with self-edge or with concealed fastening Allchrome trim at front, in-corner and top. Sheets used in full lengths wherever possible and all joining to be approved by architect.
Location: Lavatory Counters (except in Bath #3); Kitchen Counters.

f. Clothes Rods: Galvanized iron pipe on wood brackets.

14. Hardware:

a. Include in contract price Cash Allowance of \$1,000.00 net to owner for purchase by letter of Finish Hardware for installation by contractor.

15. Contingency:

a. Include in contract price the sum of \$500.00 as Contingency Fund. This sum net to owner for expenditure by him in whatever manner desired.

16. Ceramic Tile:

a. Floors	- 1" sq. or 1" x 1/2" vitreous unglazed
Base	- cove vitreous unglazed
Walls	- 1" sq. or 1" x 1/2" vitreous unglazed
Curb & Jambs	- 1" sq. or 1" x 1/2" vitreous unglazed
Cap	- bull nose vitreous unglazed

b. Recessed Soap and Grab: In color to match field or brass chrome plated.
Location: All Shower Floors, Curbs & Walls to height indicated and tops of
stub partitions; floors and bases of toilet compartments.

17. Installation of Tile:

a. Wood partition surfaces to be tiled sheathed solid and covered with 15 lb. asphalt saturated felt, lapped over curb and lathed with 18 ga. galvanized wire lath.

b. Apply scratch coat consisting of 1 part cement, 20% hydrated lime and 4 parts sand.

c. Set thoroughly soaked tile firmly embedded in mortar with finished surfaces brought to true and level planes; all joints of uniform thickness of approximately 3/64" maintained plumb and level. Grout with non-staining white Portland Cement.

d. All in-corners coved. All out-corners bull-nosed. All joints of trim to line with joints of field.

IV. SHEET METAL & PLUMBING WORK:

1. Ordinances and Permits and Tests:

- a. All local, Territorial and Municipal laws and ordinances governing plumbing installation and sanitation made part of this specification. If any part of this specification or of plans conflicts with any above ordinance, bring to architect's attention for adjustment or revision, before submitting estimate of this work.
- b. Contractor responsible for tests and work not enclosed until tested and approved. Should any work have to be broken into or uncovered for tests, contractor shall bear expense of exposing work, preparing for tests and repairing any work of other contractors damaged by such preparations.
- c. Secure and pay for all permits, inspections and certificates of inspection of Municipal or Territorial authorities having jurisdiction. Before final certificate issued deliver, on demand, all certificates of inspection to architect.

2. Materials:

- a. Galvanized Iron: 24 ga. "Keystone" or "Armco" prime-coated both sides before installation.
- b. Hose Bibbs: Price Pfister "No Hose Kink".
- c. Galvanized Steel Pipe - Standard Weight: Used for hot and cold water lines except under concrete slabs.
- d. Cast Iron Pipe - Standard Weight Bell and Spigot: Used for sanitary soil, waste and vent underground and 3" of layer above ground; 4" and smaller underground drain pipe.

3. Flashings:

- a. Galvanized Iron: Wherever necessary to make building weather-proof, at heads of all doors and windows exposed to weather, and wherever sheet metal flashing called for. Step flashing and counter flashing at abutments of roof with vertical planes; turned up 2" on inner face of wood siding.
- b. Vent pipes flashed with sheet lead consisting of base in plane of roof extending not less than 6" from pipe in all directions with standing collar soldered thereto, extended above pipe and beaten down over top edge of pipe.

4. Termite Guards:

- a. Galvanized iron under all girders, posts, studs, plates and other lumber resting on masonry, on all piping, supply and waste entering buildings; laps and joints soldered.

5. Gutters and Leaders:

- a. Galvanized Iron.
- b. Half-round with rolled edges.

c. Supported by galvanized iron hangers approximately 6'-0" o.c. with threaded ends with nuts and washers for adjustment.

6. Vents:

a. Provide galvanized iron vent ducts with raincap of diameters as recommended by appliance company from appliance to exterior for the following: Two gas heaters.

7. Water Meter:

a. Installed and paid for by owner at approximate location shown. Water used during construction paid for by owner.

8. Cold Water System:

a. Sizes as shown.

b. Shut off valve at all points where supplies enter house.

c. Provide and install pressure reducer if water supply pressure exceeds 65 lbs./sq.inch.

9. Hot Water System:

a. From heaters run 3/4" supplies with 1/2" branches to all fixtures (except toilets) or dishwasher and clothes washer.

10. Soil and Vent System:

a. Sewage and waste lines from all fixtures and washing machine cast iron and connected to cesspool.

b. Soil pipe joints made with picked oakum and molten lead, completely filled and caulked to secure water and gas tight job. Broken, split, or defective pipe, bibbs, or fittings removed and replaced; no repairing or defects permitted.

c. Vents and branch wastes, if not of cast iron, of galvanized iron pipe with malleable iron fittings.

d. Provide separate waste stand pipe for washing machine.

11. Workmanship:

a. All piping securely fastened to framing of house and at all points where in contact with framing or secured to same wrapped with sound-deadening felt, or insulated with canec.

b. 12" long air chambers on both hot and cold water piping at all fixtures.

c. When work finally tested, proved tight and accepted, all fixtures cleaned, all traps, wastes, and other equipment unobstructed and left in perfect working order.

12. Fixtures:

a. Furnish and install the following:

Lavatories - #470 Ovalyn 17" x 14" with W/R 2101 quality widespread fitting
- "Shell" and fittings for same furnished under Cash Allowance.

Toilets (Master Bath) - F 2050-1 elongated Compact with NC 250 seat
(Other) - F 2055-1 with NC 255 Seat

Kitchen Sink - Lyoncraft H-2050, 36-1/4" x 20-1/4" stainless steel, Dispose well sink with cutting board, R-4150, single lever mixing valve faucet less spray, one duo strainer.

Bar Sink - Furnish under Cash Allowance

Refrigerator - GE 1960 model, BH 13T with swing away shelves, freezing unit below and automatic de-frosting top and bottom.
Color: Cocoa

"Pony" sink - Furnished under Cash Allowance.

b. Include in contract price Cash Allowance of \$500.00 net to Owner, for purchase by letter of plumbing fixtures, appliances and Bathroom accessories. Fixtures and appliances (including medicine cabinet) installed by contractor.

13. Gas Lines:

a. Install or arrange with local Gas Co. to install all gas lines as shown on drawings and include cost of same in contract. Installation of meter paid for by Owner. Connection of appliances paid for by contractor.

V. ELECTRICAL WORK:

1. Work Included:

- a. Complete wiring system including service, meter loop, panelboards, outlets, wall switches.
- b. Installation of lighting fixtures, doorbell and lamps.
- c. Telephone, radio, television outlets and raceways.

2. Rules and Permits:

- a. Entire installation in strict accordance with latest rules and regulations of National Board of Fire Underwriters and local electric bureau.
- b. Obtain and pay for electrical permit and inspection fees as required by local laws or rules. All work inspected by proper local authorities as it progresses. Deliver, on demand, certificates of completion and inspection to owner.

3. Materials and Workmanship:

- a. All labor and materials of every kind and description as called for of best quality of their several kinds.
- b. Materials new and bearing inspection label of Underwriter's Laboratories.
- c. Written permission obtained from architect before other brands or catalog numbers substituted for those called for.

4. Drawings:

- a. Drawings and specifications complementary each to the other and what is called for by one as binding ~~or~~ if called for by both.
- b. Standard electrical symbols together with special symbols, notes and instructions shown on drawings indicate work and outlets required. Verify locations on job with architect.

5. Wattage and Conductor Sizes:

- a. Outlets wired for wattage or horsepower indicated with No. 12 wire minimum.
- b. All conductors of such size that voltage drop will not exceed 3% from main panelboard to farthest outlet under maximum load.

6. Completion of Work and Guarantee:

- a. Entire electrical installation complete in every detail as specified, ready for use and clear of all grounds and shorts.

b. Any item of material, apparatus or construction supplied by electrical contractor showing defects in design, construction, quality, or workmanship within one year from date of final acceptance by owner or his agent replaced by contractor or his surety free of all expense to Owner or his agent.
Exceptions: Fluorescent starters, fluorescent and incandescent lamps.

7. Convenience Outlets:

a. 4" above finished floor level in studded walls, and in baseboards of single walls unless otherwise indicated, and above counters as directed.

b. Cover plates match wall switches.

c. Receptacles: Brown with double sided contacts. In Laundry and in rooms with masonry floors receptacles with third grounding contact connected to suitable ground with separate conductor.

Outdoor type.....	Arrow	5260
Clock hanger outlet.....	"	7714
Floor outlet.....	"	7797 with 5261 receptacle
Base outlet.....	"	5262

TV outlet..... Two gang combination with single outlet for ground and aerial.

8. Wall Switches:

a. Silent, non-mercury - Arrow, H & H #1891-92-93, flush type located 3'-0" to center from floor.

b. Where more than one switch occurs at same location; ganged under one plate.

c. Cover plates with bevelled edges of dull stainless steel or plated brass to match finish hardware in room.

9. Telephone:

a. Service to building brought by Owner. Contractor to provide empty conduit system as may be required, to all outlets terminating in approved boxes in locations shown.

10. Wiring Methods:

a. In wood frame construction: concealed "knob and tube".

11. Service:

a. Install all facilities for underground service as specified and as directed by utility company and include in bid costs of such service as charged by utility company.

12. Fixtures:

a. Include in contract price a Cash Allowance of \$500.00 net to Owner for purchase by the latter of electric fixtures for installation by contractor. GE hood with fan furnished under above Cash Allowance.

13. Breakers and Panelboards:

- a. Mounted on exterior walls: raintight type.
- b. Panelboards: Circuit breaker type; flush or surface mounted as shown on drawings. All circuits neatly labeled upon completion.

14. Panelboard 1:

a. Individual circuits to following equipment:

- Oven
- Range Burners
- Dishwasher
- Garbage Disposal
- Refrigerator
- Kitchen Convenience Outlets
- Washing Machine
- Dryer
- Outdoor Waterproof Outlets

b. Two 20 amp. appliance circuits to supply all convenience outlets in lower pavilion, (except as specified above). Total number of outlets divided equally between circuits.

One 20 amp. spare for future garden lighting.

c. Two 15 amp. general purpose circuits to supply all lighting in lower pavilion. Total number of outlets divided equally between circuits.

15. Panelboard 2:

a. Three 20 amp. appliance circuits to supply convenience outlets for upper pavilion.

One 20 amp spare for future garden lighting.

b. Three 15 amp. general purpose circuits to supply all light in upper pavilion.

c. Individual circuits as required by swimming pool equipment supplier for pool pump.

NOTES:

- Strip lighting/l.f. - 40 watts
- 20 amp. LP capacity - 2000 watts
- Convenience outlet - 250 watts
- 1 HP - 746 watts
- Lights - 1200 watts per circuit
- Convenience outlet - maximum of 8/circuit
- Room cooler - 3/4 HP
- Wall heaters - 2,000 to 10,000 watts

VI. PAINTING:

1. Materials:

a. First quality Sherwin-Williams, DuPont, Glidden, Boysen, W. P. Fuller, Pittsburgh, Dutch Boy or Valspar manufacturers and as otherwise specifically mentioned. All materials applied in strict accordance with respective manufacturers' recommendations.

2. Workmanship:

- a. Condition of surfaces to be treated free from all dust, dirt, grease or any other foreign particles, which would affect either satisfactory execution or permanency of work.
- b. Knots, sap and pitch in wood stopped with shellac before priming.
- c. Neither paint nor other finish applied over wet or damp surfaces nor succeeding coats applied until preceding coat is thoroughly dry.
- d. Nail holes or other indentations puttied after first coat of paint or filler. All parts of mouldings and ornament left clean and true to detail.
- e. Samples of painted, varnished, enameled, lacquered, and stained woodwork, plastered and finished surfaces made as directed by architect, using grade and quality of materials specified.
- f. Upon completion, all materials and debris removed from building and paint carefully removed from adjoining surfaces, hardware, etc., window glass washed clean.
- g. All surfaces usually treated, whether specifically mentioned or not, treated as directed.
- h. Closets finished same as rooms they open into.
- i. Install fabric furnished by Owner on Shoji doors.

3. Schedule:

a. Exterior:

Roof.....	Treatment No.	1
Walls.....	"	2
Sash, Doors, Trim (verify extent with architect).....	"	3
Eaves.....	"	4
Masonry (hollow block).....	"	5

b. Interior:

Redwood walls.....	"	6
NWP sash and doors.....	"	7
Kitchen and Bathrooms.....	"	6
Floors.....	"	9
Ceilings - Canec.....	"	10
- Lower pavilion.....	"	6
Ceiling - Garage.....	"	4

NOTE: No treatment required under Alternate 1.

4. Treatments:

- Treatment No. 1 2 coats - Shingle Stain.
- 2 2 coats - Bleaching Oil, colorless creosote, shingle stain, applied straight or intermixed, as directed.
- 3 1 coat - Stain or wipecoat of paint
2 coats - Flat varnish
-
- 4 1 coat - Paint stain.
- 5 2 coats - Pittsburgh Cementhide.
- 6 2 coats - Cabots Stain Wax.
- 7 1 coat - Potassium Bichromate
1 coat - Paint reduced to consistency of stain, applied with brush; allowed to set and wiped off with rag.
- 9 1 coat - Stain, Filler, followed by
2 coats - Paste wax, polished
- 10 2 coats - Alkyd paint, flat finish

Garage posts and other exposed miscellaneous iron work given 1 coat galvanized iron primer or red lead and 2 coats house paint.

VII. SWIMMING POOL:

1. Scope:

- a. This work shall include all labor, materials and equipment to complete in accordance with the swimming pool plans all concrete and gunite work, reinforced or otherwise; all labor and equipment for making excavations or backfill required for construction or removal of forms; all labor and materials for all pool plumbing and mechanical equipment; and all labor, materials and equipment for other work as may be required to install a swimming pool to Paddock Pool Equipment Co. specifications, or approved equal. All of the above shall be guaranteed for a period of one year against faulty or defective materials and workmanship.
- b. Electrical work shall be done under the general contract under pool subcontractor's direction and cost of same shall be included in swimming pool contract.
- c. Concrete slab for filters and pool recirculating pump constructed under general contract and is not to be included in swimming pool contract. Pool contractor, however, responsible for placing all piping that may be embedded in such concrete work.
- d. Vacuum, recirculating and raw water lines.- Type K Hard copper water tubing.
- e. Pool constructed to meet Territorial Board of Health requirements. Plans and specifications so modified as may be required, at no additional cost to owner, to obtain approval of said agency.
- f. Completed pool maintained and operated for 30 days before acceptance by owner.
- g. Pool size and shape as scaled from 1/4" = 1'-0" drawings. Shallow and deep ends 3'6" and 3' deep respectively.

2. Mechanical Equipment:

- a. Provide all equipment as hereinafter specified. Where a brand name is mentioned it is quality standard and the words "or equal" are implied. Architect reserves the right to demand that contractor shall in every case provide proof of quality where brand name or quality differs from that mentioned.
- b. All mechanical equipment is to be guaranteed in writing for a period of one year from date of acceptance.

3. Paddock Equipment List:

<u>No.</u>	<u>Cat.</u>	<u>Item</u>
<u>Req.</u>	<u>No.</u>	
1	6002	1 - 30" dia. filter complete with underdrains, filter media, face piping, gauges, automatic air relief by-pass valve, sight glass, single lever control valve, chemical feeder, strainer, pump with motor.

<u>No.</u>	<u>Cat.</u>	<u>Item</u>
<u>Req.</u>	<u>No.</u>	
1	8303	2" - main outlet fitting
1	8352	1-1/2" x 2" C.P. vacuum wall fitting
2	8202	1-1/2" C.P. inlet fittings
1	8520	1-1/2" x 18" C.P. fillspout
1	2650	P.L.N. hypochlorinator
1	4345	500 W. light
1	4408	Light deck box
1	4411	3/4" brass conduit
1	8630	Recirculating overflow with float
1	3350	Skimmer head
1	3360	Handle 1-1/4" x 16' aluminum for Cat. No. 3306 and 3350

4. Instructions:

a. Supply complete drawings and printed instructions for installation and operation of all equipment specified herein and shown on plans. A qualified engineer or representative of this contractor shall visit site of work after installation of such equipment has been completed, shall put into operation all mechanical equipment, and shall, for a period of not to exceed one month, assist and instruct the Owner or his representative in the operation of all such equipment.