

ROOFING AND SHEET METAL

SECTION 8

8.1 SCOPE - The work of this division includes all labor, materials and equipment necessary to furnish and install all built-up roofing, edge strips, flashing, roof insulation and sheet metal work as shown and specified.

8.2 MATERIALS

- (a) Edge strips shall be as made by the Celotex Corp.; wedge shaped, 12" wide x 1-5/8" high, 48" long; of impregnated rigid insulating board.
- (b) Cant strips shall be as made by the Celotex Corp. to form a 4" x 4" cant, of impregnated rigid insulating board.
- (c) Gravel Stop - Coping shall be as shown of Micro Flex, Type 304 stainless steel, dead soft temper, mill finish (20) not less than .016 inches thick. Solder joints flush butted with a 6" wide back-up strip of same material. Form expansion joints every 24' and within 3' of corners with ends flush butted and a 6" wide strip soldered to the back of one section only. Bed joint in Sealant as specified and as shown. Secure bottom seamed edge on hard stainless steel continuous hook strip nailed 12" o.c. to wood core with 1-1/2" s.s. screw type nails. Edge at roof to be nailed 4" o.c. with s.s. nails.
- (d) Sealant material shall be Uni acrylic #60, neutral color as made by Pecora Chemical Corp.

8.3 WORK BY OTHERS

- (a) Roof drains will be furnished by plumber but installed by this contractor.
- (b) Wood blocking, nailers, etc., will be provided under Carpentry.

8.4 GUARANTEE - The roofing contractor shall furnish the Owner with the standard guarantee for one year on approved guarantee form No. 1963, New England Approved Roofers' Association, covering built-up roofing and flashing.

8.5 VAPOR BARRIER - Over all steel roof decks, provide a continuous vapor barrier of Pyro-Kure as made by St. Regis and distributed by Owens-Corning, set in beads of mastic or asphalt in accordance with the manufacturers directions. Locate side laps so that they will be over solid steel and not over corrugations.

8.6 INSULATION - Over all roof decks insulate with 1-7/8" thick Fiberglas, as made by Owens-Corning, a rigid board insulation with an impact resistant asphalt and paper surface; imbed in hot steep asphalt. Provide water cut-offs at all exposed edges at the end of each day's work. All work shall be done in conformance with manufacturer's complete specifications. All insulation shall be covered with at least one layer of felt mopped in place in the same working day in which it is placed

8.7 EDGE STRIPS - Using the edge strips specified and fittings as shown form the following, setting all in hot steep asphalt:

- (a) At all roof edges one strip as shown.
- (b) Where roofing abuts walls, curbs, fan bases, etc., use 4" x 4" cant strips of impregnated rigid insulation board.
- (c) Using tapered edge strips form depressions at all roof drains; inside dimensions to fit drain or flashing, but not less than 24" x 24".

8.8 ROOFING - All roofing shall be of the built-up type with a smooth surface. Roofing and built-up flashing shall be a standard 20-year bond type, Johns-Manville Specification #151.

The materials and methods by which they are applied form the built-up roofing and built-up fabric base flashing shall in all respects be as recommended by the manufacturer in order that the roof shall be eligible for a 20-year bond. Materials shall be shipped to the site in the original packages marked with the manufacturer's name and brand label.

The roofing and base flashings shall be installed by a Contractor approved by the manufacturer of the material.

The roofing contractor shall provide the Owner with two copies of the exact built-up roofing and flashing specifications he proposes to use and will not proceed until they are approved.

The vapor barrier, insulation, and roofing shall be installed on a clean, dry surface as soon as practicable after the roof decks have been placed. The installation shall be made in accordance with the directions of the manufacturer of the material.

The roof installation shall be laid in straight courses parallel to edges and at right angles to the pitch.

Roofing & Sheet Metal

8.8 Roofing (Continued)

The finish roofing felts shall be applied over the insulation or deck in uniformly mopped coatings. The felts shall be laid immediately on the mopped areas.

The roofs shall be suitably flashed at all vertical surfaces, roof drains, pipes, and other outlets.

8.9 FLASHING - Furnish the following flashing for installation by others completely formed except as noted and with all necessary nails, mastic, etc..

Stainless Steel, as specified for Gravel Stop (.018"), cap flashing where roofs abut walls; 11" minimum width, 1" vertical leg in wall, 5" horizontal leg, 4" minimum exposed face with edge to be seamed. Furnish roofing mastic for 6" end lap joints in wall for installation by Mason. The Roofing Contractor shall bend cap flashing down over the built-up base flashing in a neat and thorough manner. Exposed end joints shall be filled with a bead of Sealant and the seamed edges clipped or soldered together.

8.10 FAN BASES - Shall be of stainless steel (.018") as shown to turn down 4-1/2" over base flashing with soldered corners. Set in a continuous bead of mastic at bases of platform. Use a bead of sealant at all holes for anchor bolts.

8.11 ROOF DRAINS - Set all roof drains furnished by Plumbing Contractor. Provide and install at roof drains and plumbing stacks, flashings, caulking, etc., as required.

8.12 ROOF SCUTTLE - Furnish and install one roof scuttle as made by The Bilco Co., Type S-20 complete, where indicated.

HOLLOW METAL DOORS & FRAMES

SECTION 9

1.1 SCOPE - The work of this Division includes all labor, materials and equipment necessary to furnish and install hollow metal doors and frames at exterior openings and frames only at toilet rooms and utility room.

1.2 METAL DOOR FRAMES - All steel door frames as scheduled and shown shall be as made by The Steelcraft Manufacturing Co.; of standard shapes, 16 ga. cold rolled prime quality steel.

- (a) All frame shall be set up, arc welded and ground smooth, with spreader bar attached.
- (b) Suitable anchors for jambs shall be provided as required by wall construction. Minimum of 6 jamb anchors and 2 base anchors per frame shall be supplied.
- (c) All frames shall be furnished with 3 rubber bumpers.
- (d) Frames shall be mortised and reinforced for strikes and hinges, 3/16" hinge reinforcing and 11 ga. closer reinforcing.
- (e) Strike and hinge reinforcements on frames shall be completely enclosed and protected by a plaster guard welded in place.
- (f) All frames shall be bonderized and receive one coat of baked-on prime paint. Exterior frames shall be hot dipped galvanized, 1.25 oz. per square foot.
- (g) Template information will be supplied by Hardware Contractor.
- (h) Frames for fixed glass lites shall be the same detail as for doors with "U" shaped glass stops. Loose stops to be secured with counter sunk oval head tap screws.

1.3 METAL DOORS - All steel doors as scheduled and shown shall be as made by The Steelcraft Manufacturing Co.; all 1 3/4" thick.

- (a) Doors shall be full flush and have 1/8" bevel in 2" on hinge and lock edges.
- (b) Doors shall be 16 gauge (L-16), cold rolled, stretcher level, prime quality steel.
- (c) Doors shall have continuous vertical mechanical interlocking joints at lock and hinge edges.
- (d) Top and bottom 14 gauge, cold rolled steel reinforcing channels shall be spot-welded within the doors.
- (e) All doors shall be provided with 12 gauge, cold rolled steel, surface closer reinforcements.

2.

Hollow Metal Doors & Frames

(f) Doors shall be mortised and reinforced for hinges and locks. Doors shall be reinforced for other hardware as scheduled.

(g) Doors shall be reinforced, stiffened, sound deadened and insulated with impregnated kraft honeycomb core completely filling the inside of the doors and laminated to both inside faces of the panels.

(h) All doors shall be bonderized and receive one coat of baked on prime paint. Exterior doors shall be hot dipped galvanized.

(i) Exterior doors shall have top cap sealing against water.

4.1 HARDWARE - All doors and frames shall be prepared for all hardware to template as specified in FINISHING HARDWARE.

4.5 GLASS AND GLAZING - Provide and install glass in door and frame of front entrance.

Door: $\frac{1}{4}$ " tempered plate glass, clear.

Frame: $\frac{1}{4}$ " polished plate glass, clear.

Provide setting blocks and bed glass in glazing compound, both sides.

C-7102

BUILDING SPECIALTIESSECTION 10

1.1 SCOPE - The work of this section includes all labor, materials and equipment necessary to furnish and install, except as otherwise specified, all building specialties, as shown and specified or as required by the work shown. Thresholds are supplied in Hardware section.

1.2 SHOP DRAWINGS - Shop drawings for all items shall be submitted and approved before proceeding with the work.

1.3 OVERHEAD DOORS - Doors to be Raynor Series "S", with steel door sections rolled formed from 20 gauge (.036) galvanized steel, with a coating thickness of 1.25 oz. per square foot. Doors shall be insulated at the factory.

Inside of door painted with a finished coat of white acrylic baked enamel and inside with grey acrylic baked on enamel. Door is 2" thick with deep ribs for added strength. Door to have well bred tongue and groove joints for weather tight closure. The end and center stiles to be securely fastened to section with hardened, galvanized and painted steel rivets.

End stiles to be 13 gauge (.093) galvanized, center stiles to be 16 gauge (.061) galvanized.

Bottom of door to have Neoprene weatherstrip for sealing bottom of door.

Hardware shall consist of heavy gauge 2" galvanized steel track. Hinges, brackets etc. of heavy gauge galvanized steel.

Door shall be counter balance with heavy duty torsion springs on continuous, ball bearing cross header shaft. Lifting cables shall be galvanized and have a minimum safety factor of 5 to 1.

Both doors shall be furnished with a jackshaft type electric operator, Raynor Model RK13-RC, three button momentary contact on open, stop-constant pressure on close. Motor of voltage selected.

1.4 TOILET PARTITIONS - Shall be Sanymetal, Century, Baked Enamel type, Galvanized-Bonderized in accordance with the complete specifications of Sanymetal. Units to be complete with all hardware, including Hook No. 7210, bright chrome finish. Fittings to be bright chrome or stainless steel.

1.5 TOILET ACCESSORIES - None required.

1.6 DOCK BUMPERS - Provide and install at edge of loading dock. Bumpers, 36" long x 10" high x 4" thick. Bumpers to be of fire tread laminated type reinforced with 3/4" steel rods running full length of bumper. End plates to be min. 1/4" structural angle. Steel No. 026 as made by Valley Company, Inc.

CARPENTRY & MILLWORKSECTION 11

1. SCOPE - The work of this section includes all labor, materials and equipment necessary to complete the work indicated on drawings specified herein. It shall include the installation of Millwork, Finishing Hardware, and the installation of all items not installed specified in other divisions.

2. MATERIALS

- (a) Lumber for copings, curbs, window bucks, framing, nailers on steel and as shown shall be native or western hemlock, commercial grade, D4S.
- (b) Material for grounds, blocking, etc., shall be native spruce, pine, or an approved equal.
- (c) Nails for all exterior work shall be hot-dipped galvanized.
- (d) Building paper shall be 15 lb. asphalt impregnated felt.
- (e) Fir plywood specified herein shall be made in accordance with Product Standard PS 1-66 for softwood plywood, DFWA.
- (f) MDO plywood shall be exterior grade Medium Density Overlayed plywood B face veneer, inner plys plugged. Manufactured in accordance with Product Standard PS 1-66, DFWA.
- (g) Pine shall be native white pine "D" select and better.
- (h) Birch and birch plywood shall be clear yellow birch either all light or all dark for natural finishing.

3. WOOD PRESERVATIVE - All rough wood coming in contact with exterior masonry or concrete, or concrete slabs, and all wood in curbs or concealed at roof deck shall be treated with one rough coat of green Cuprinol.

4. ROUGH HARDWARE - This contractor shall provide all nails, screws, angles, bolts, etc., not specified elsewhere.

5. ROUGH CARPENTRY - Furnish and install all carpentry items listed below, as shown or required:

- (a) Roof curbs for fans, ventilators, coping core, etc..
- (b) Nailers and furring at panels above and below windows as shown. Exterior panels are MDO plywood, pine trim. Interior trim and stool of birch for paint. Interior panel at window head, birch plywood for paint.

2.
Carpentry & Millwork

5. Rough Carpentry (Continued)

- (c) Insulate panels at windows and above plaster ceilings at Entrances 1 and 2 with 3" of Fiberglas as made by Owens-Corning. Insulation to be paper wrapped with vapor barrier to the warm side.
- (d) Install drywall work and steel studs to provide drop and ceilings at toilet compartments in Rooms 10, 11 and 12. Install 1/2" Gypsum board, screw applied to metal studs. Tape and finish joints with latex joint compound. Leave work ready for painting.

16 WINDOWS - Furnish and install windows of sizes shown on the elevations. Windows shall be Andersen Perma-Shield Units. Sash shall be factory glazed with a butyl glazing compound and a rigid vinyl glazing bead. Glass shall be welded insulating glass with a 20 year guarantee against dust or film formation caused by seal failure.

Drains are not required.

17 DOORS - Furnish and install at openings 7, 10, 16 and 19 only. Doors shall be flush, solid core Weyerhaeuser Roddis Type DPC-1. Doors with Good Grade Rotary Natural Birch.

18 MILLWORK - Furnish to the job-site millwork etc. as outlined below and as shown on the drawings. Units shall be completely pre-assembled or assembled at the mill except as noted. All controlling dimensions shall be verified in the field, by the mill, prior to fabrication.

- (a) Sink and Wall Cabinet - in Corridor #7 - Build up of fir and birch plywood with solid birch trim as detailed. Top, splash and edge shall be Formica, 1/16" General Purpose Grade of pattern and color selected. Cut out top for sink to template. Sink by plumber.

Provide cabinets complete with all hardware.

Recessed standards, K & Y #255 with #239 supports.
Hinges, Stanley 1544 or 1545.
Pulls, Colonial Bronze 801.
Catches, Ives 323A92.
Sliding door tracks; gray plastic.

- (b) Lavatory Counters in Toilets 10 and 11 - Construct to detail. Top and edge shall be Formica, 1/16" General Purpose Grade. Cut out for lavatories to template. Required brackets provided in Section 5.

Carpentry & Millwork^{3.}

2.8 Millwork (Continued)

- (c) Ceiling Drop in Waiting Area - Furnish and install of birch plywood and solid birch battens and trim all for natural finish.
- (d) Rails - Furnish and install at interior of Entrance #1 wood rails of two layers of birch plywood, laminated, with birch edge on top, bottom and ends. Neatly ease all edges. Brackets furnished in Section 5.

1

LATHING & PLASTERING

SECTION 12

11 SCOPE - The work of this Division includes all labor, materials and equipment necessary to furnish and install at exterior areas at frames 1 and 2, plaster ceilings and soffits including all furring, metal channels, lath and metal casings required.

12 GRILLAGE AND LATH - Suspended grillage shall be cold rolled metal channels 1 1/2" deep 4" o.c. and 3/4" deep 1' 1/2" o.c. and wired together.

It shall be diamond mesh, 3.4 lb. per sq. yd. securely wired to grillage.

13 PLASTER - Plaster shall be three coat work, 3/4" minimum thickness. Scratch and brown coat shall consist of gypsum plaster and silica sand. Do not use light weight aggregate. Finish coat shall be Keene cement and silica sand, 1/26" thick with a sand finish.

14 ACCESSORIES - At perimeter, use #55 square edge, galvanized, hanging bead 3/8" from all walls and leave open for expansion by others.

Entrance #2 use control joint #75, roll-formed zinc, to divide into 3 panels.

Set out for recessed light fixtures, if required.

CERAMIC TILE

1.

SECTION 13

11 SCOPE - The work of this Division includes all labor, materials and equipment necessary to furnish and install all ceramic mosaic tile and base as shown and specified in Rooms 1C, 11 and 12.

12 GENERAL - Tile shall be of domestic manufacture, as made by American Ceramic Tile Company.

13 GRADE - All tile shall be standard grade and containers grade-marked in accordance with minimum grade specifications published by U. S. Department of Commerce in "Simplified Practice Recommendation No. 1 and Federal Specification SS-T-302b." In addition to grade mark, furnish architect with master grade certificate stating grade, size of tile, identification marks for tile packages, name and location of job; signed by the manufacturer and the tile contractor. After containers to ship with seals unbroken.

14 FLOOR TILE - Tiles for floors shall be unglazed natural stone-type ceramic mosaic, dust-pressed, 1/4" thick, nominal face size 2" x 2" with cushion edge. Tiles shall be factory mounted. Pattern and two colors will be selected by architect from the group.

15 BASE - Base shall be formed using matching ceramic mosaic trim; MC-837 and stretchers S-886 with round in and out angles. Use the setting bed installation at walls.

16 INSTALLATION - Floor shall be installed using conventional Portland Cement Mortar, thick-bed method, grouted, cleaned, protected in accordance with American National Standards Inst. Standard Specification, A 108.2. Setting bed shall be 2 1/2" above finish tile thickness and pitch. Provide a 1/8" thick plastic expansion divider strip directly below door, properly anchored where it meets resilient flooring. Pitch floor 1/2" to floor drain in Room 12.

17 EXTRA MATERIAL - Leave with the Owner the equivalent of one foot of both colors for his use in future patching.

1.

PAINING

SECTION 14

14.1 SCOPE - The work of this section includes all labor, materials and equipment to do all exterior painting and finishing as scheduled and specified. All interior painting except as noted will be done by the Owner under a separate contract.

14.2 WORK NOT INCLUDED - The following items do not require painting or are not included in this division:

- (a) Shop priming coats.
- (b) Aluminum louvers and fans.
- (c) Stainless steel flashing and gravel stops.
- (d) Window frames and sills.
- (e) Exterior concrete foundation.
- (f) Overhead doors.

14.3 GENERAL - In general, the entire Exterior of the building shall receive paint or finish.

The application of all paints and finishes shall be in exact accordance with the manufacturer's recommendations. Coverage or spreading rate shall be within the range recommended by the manufacturer.

14.4 WORKMANSHIP - All work shall be done in a workmanlike manner by skilled mechanics. All materials shall be properly applied and shall be free from runs or sags and no paint shall be applied until preceding coat is thoroughly dry and hard. In general and unless otherwise specified, exterior oil paints shall be allowed to dry at least forty-eight hours between coats and interior paints shall be allowed to dry at least twenty-four hours between coats. No exterior painting shall be done in rainy, damp or frosty weather or until surface is thoroughly dry.

Interior painting or finishing shall be permitted until building has been thoroughly dried out.

All nail holes shall be filled with putty or other approved filler, sanded to match finish.

14.5 PREPARATION OF SURFACES - The painting Contractor shall be fully responsible for inspections before and after painting surfaces to insure proper finish.

Work shall not commence any part of it until surface is in proper condition.

14.5 Preparation of Surfaces (Continued)

If painting Contractor considers any surface unsuitable for proper finish of his work, he shall notify the Owner of this fact in writing and he shall not apply any material until the unsuitable surfaces have been made satisfactory, or the Owner has instructed him to proceed. All knots or sappy spots shall be given one coat of shellac before painting. All necessary puttying of nail holes, cracks and blemishes shall be done after priming coat has become hard and dry and before second coat is applied. All greasy or oily metal surfaces shall be cleaned with solvent before applying any materials. All scale or rust shall be removed by scraping, or wire brushing.

14.6 CLEANING

- (a) Galvanized metal to be painted shall be etched with a solution of 1/2# copper sulphate in a gallon of water. Allow to remain until metal changes color; then rinse thoroughly with clean water.
- (b) Other metals, not prime painted, shall be washed down with turpentine or other approved solvent.

14.7 MATERIALS - All materials used under painting contract shall be as manufactured by Benjamin Moore & Co, or equal and Thoro products by Standard Dry Wall Products, Inc.. All mixing required shall be done on premises, and materials shall be thoroughly stirred. No materials shall be reduced or changed in any way except as specified.

Color tinting or matching of colors shall be done under the supervision of the Owner. In all cases a sample shall be applied on the job and the Owner must give his approval of it before work is actually begun. Execute work in accordance with manufacturer's printed instructions. All undercoats shall be tinted half-way towards finish color.

14.8 COLORS AND SAMPLE STANDARDS - Paint and stain colors shall be as selected by the Owner. The Contractor shall be provided with a set of color cards and schedule showing the location of the various colors. The Contractor shall then prepare finished samples at the job as required until the colors and textures are satisfactory and accepted by the Owner.

14.9 PROTECTION OF PROPERTY - The painting Contractor shall be responsible for condition of building in his charge. He shall protect adjacent work and materials from soiling or damage as well as his own.

14.10 REMOVAL - When work is completed, the painting Contractor shall remove all surplus materials, scaffolds, etc., from the premises and he shall clean off all misplaced paint, varnish, etc., so as to leave the premises in perfect condition acceptable to the Owner.

4.11 PAINT SCHEDULE

3.
Painting

Surfaces

INTERIOR

Coverage & Materials

- | | |
|---|---|
| (a) Exposed metals such as:
lintels, steel frames on
roof for air conditioning
equipment, scuttle, elec.
conduit, handrails | Patch Prime Coat
1 - Retardo
1 - Decorative Trim Color |
| (b) Metal Doors & Frames
Paint both interior
and exterior faces | Patch Prime Coat
1 - Moorewhite Primer
1 - Decorative Trim Color |
| (c) All standard block of
west elevation and
loading dock and all
scored block | 1 - Thoro Seal, brush applied
2 lbs. per sq. yd.
1 - Thorosheen, Exterior |
| (d) All ribbed split block
and exposed concrete
at roof of Waiting Area | 1 - Hydrocide S-X Hycon,
silicone base water
repellant by Sonneborn |
| (e) Wood panels and trim
at windows. Wood fascia
at Loading Dock | 1 - Moorewhite Primer
2 - Moore's House Paint (Oil) |
| (f) Cement plaster soffits | 1 - Thorosheen Exterior |

C-7102

PLUMBING

SECTION 15

15.1 SCOPE - The work of this section includes all labor, materials and equipment necessary to install a complete plumbing system. Mains and fixtures only are shown on the Drawings.

15.2 WORK BY OTHERS

All cutting and patching.
 Water meter.
 Excavation and backfill.
 Exterior storm & sanitary sewers other than cast iron.

15.3 REGULATIONS AND TESTS - The work herein specified and shown on the accompanying Drawings shall be executed in full conformity with all local and state code requirements. The Contractor shall apply for, obtain and pay for all necessary permits, inspections and tests required by the work.

15.4 RECORD DRAWINGS - The Plumbing Contractor shall keep a complete set of contract drawings properly stored at the job site, upon which he shall keep a legible record of any changes made, locating all pipe, lines and salient features which are not to be exposed after the building is complete. This contractor will assist the Architect in transferring this information to tracings in the Architect's office. Record prints of such tracings will be furnished to the Owner.

15.5 MATERIALS

- (a) Copper Tubing for hot and cold water lines, above floor, Type "L" hard temper equal to Revere. Soldered fittings.
- (b) Copper Tubing for soil, waste or vent purposes, Type "K", equal to Revere, DWV fittings for soil or waste.
- (c) Cast Iron pipe shall be extra heavy, tar coated, joints packed with oakum and caulked with new hot lead.
- (d) All pipe for vents shall be copper or galvanized steel pipe.
- (e) Valves, shutoffs, stops, etc. shall be the equal of Crane, Jenkins, Walworth or Wolverine, 120 pound.
- (f) Spray-on insulation shall be Isonate CPR 385 as made by the Upjohn Company.

2.
Plumbing

15.6 WATER SERVICE - Install water service as shown from the Property Line to the water meter located in Room #9. Pipe shall be 2" ceram lined, class 150AWWA, class D, bolted type, mechanical joints. Federal Specification #WW-P-421; or bell and spigot, gasketed Tilton type joints, Michanc or equal. Upon application by this contractor, service will be brought from the main to the Property Line and the meter supplied by the Water District. Valve both sides of meter with 3/4" waste on building side with hose connection.

15.7 WATER SUPPLY - Hot and cold water supply mains shall be exposed in Utility Room and pipe spaces but shall be concealed elsewhere.

- (a) Provide air chambers turned up 24"; increase pipe one size, capped, in hot and cold water supply.
- (b) Where runnouts from main feed more than one fixture, the branch shall be valved. Branch lines shall be sized to properly supply all fixtures or as shown.
- (c) Provide in hot water lines expansion joints or offsets to provide for pipe expansion. Double swing joints in each change of direction.

15.8 SANITARY SYSTEM - Starting 10' from foundation wall, furnish and install a complete sanitary drainage system of cast iron or copper. Vents above trap seal shall be galvanized or cast iron pipe.

- (a) House sewer to have 4" flush cleanouts brought to grade and spaced as required by law.
- (b) This Contractor shall be responsible for all vents and cleanouts as shown or as required by the State Plumbing Code.

15.9 RAINWATER SYSTEM - Furnish and install complete rainwater drainage system as shown. All lines shall be cast iron. Extend all lines as shown 10' outside of building for continuation by others. Furnish one length of cast iron, double hub, for use at outfall, installation by others. Furnish and install all roof drains, set in cooperation with deck and roofing contractors.

3.
Plumbing

15.10 INSULATION - Insulate all cold water piping, hot water piping, and rainwater lines above slabs on grade using 3-1/2# density fiber-glas, with a fire retardant vapor barrier jacket, completely sealed with joint bands using an approved rubber cement; 1" thickness for rainwater lines and 1/2" thickness for water. Exposed work shall be of the best workmanship ready for painting.

- (a) At underside of each roof drain, spray on foam urethane insulation, 3/4" thickness to completely cover drain sump and deck for an area 2' x 2' and cover rain water leader to where regular pipe insulation begins.

15.11 FIXTURES - in locations shown, this Contractor shall furnish and install plumbing fixtures and fittings as scheduled and specified below. Fixtures are in general Kohler, comparable fixtures will be accepted after approval by the Owner.

- (a) W.C. (Wall Mounted)

K-4400-ET Corwyn vitreous china wall mounted siphon jet quiet action elongated bowl with 3" passageway, 1-1/2" top spud.

K-4670-C Lustra solid plastic white open front seat with check hinge.

#110-FYV Sloan Royal C.P. flush valve with quiet feature, 1" angle stop, vacuum breaker, wall and spud flanges. Combined waste fitting and carrier as required to meet building conditions.

- (b) Lavatory #1 (Wall Hung) Room 12

K2032 20 x 18" Greenwich vitreous china lavatory with integral back, drilled for concealed arms.

Z1231 Zurn Chair carrier with concealed arms.

77401 CP Centra supply fitting with aerator, pop-up drain CP 3/8" angle supplies with stops.

CP 1-1/4" anti-siphon P trap.

- (c) Lavatories (Counter Top) Rooms 10 and 11

K-2917 19" Radiant acid-resisting enameled cast iron self-rimming lavatory with integral overflow.

K-7443-T C.P. Lavatory fitting with aerator. Valvet interchangeable units.

K-7715 C.P. drain with perforated grate, 1-1/4" tailpiece.

K-7606 (pr.) C.P. 3/8" angle supplies with stops and flexible risers.

Satin finish chrome 1-1/4" anti-siphon P trap to wall.

Plumbing

15.11 Fixtures (Continued)

(d) Urinals

K-4980-T Bardon vitreous china wall hanging washout urinal, with flow control, extended shields, stainless steel beehive strainer, trap, cleanout, 3/4" top spud, wall hangers, 2" IPS outlet connection.

#186-IV Sloan Royal C.P. flush valve with quiet feature, 3/4" angle stop, vacuum breaker, wall and spud flanges. Chair carrier support to meet building conditions.

(e) Sinks - Corridor 7

Elkay LR-1922, single compartment 16 gauge, with ledge back, self rimmed, punched 3 holes.

Fittings: K-13388-T C.P. supply fitting, gooseneck spout modified to be swing type, aerator, Valvet units. K-8800 C.P. duostrainer. Trap as required.

(f) Electric Water Coolers

Westinghouse Electric Corp., Model No. WRCO 8 LP, semi-recessed. Integral basin and backsplash, stainless steel. Cabinet, vinyl covered steel. Cooling system rated at 8 GPH. Provide with push button bubbler only. Provide trap as required.

(g) Wall Hydrants

Zurn Z-1395 12" hydrant with brass casing, NB face (for 12" wall thickness).

(h) Roof Drains

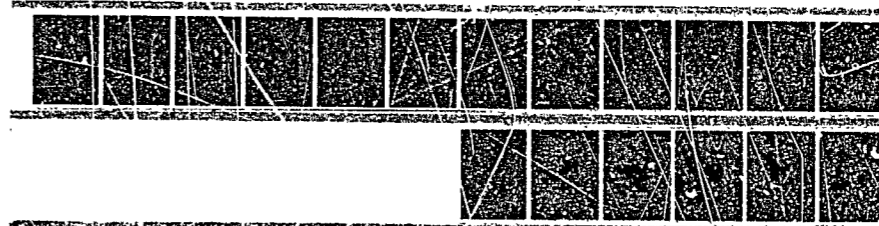
Josam Series 4110, with deck clamp. Flashing will be provided by Roofing Contractor.

(i) FD-1 Floor Drains

Josam Series 300-350, cast iron body with polished brass strainer. Provide cast iron trap.

15.12 ELECTRIC WATER HEATER - Water Heater shall be as made by E. O. Smith Corp., Electra, Model PMH 30D, glass lined and equipped with temperature and pressure relief valve. Tank capacity 30 gallons with double elements, 208 V., U.L. Listed. Provide three year replacement guarantee.

C-7102

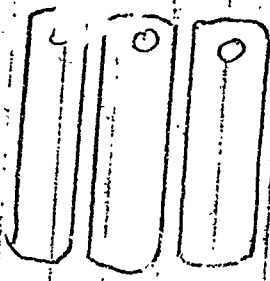


Pump island

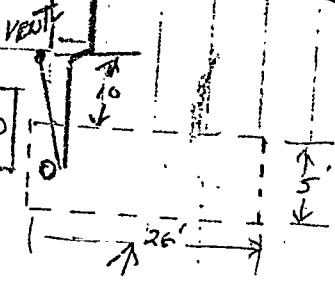
Pump island

ANTHONEY'S
MOBIL
1196 CONGRESS ST.

EXISTING GASOLINE
TANKS



550
FUEL O



PROPOSED
4000 GALLON DIESEL
PIPED TO EXISTING DIESEL PUMP

RECEIVED
JUL - 7 1983
DEPT. OF BLDG. INSP.
CITY OF PORTLAND

← CURBING

APPLICATION FOR PERMIT

PERMIT ISSUED

B.O.C.A. USE GROUP
B.O.C.A. TYPE OF CONSTRUCTION 00702

JUL 14 1983

ZONING LOCATION PORTLAND, MAINE July 7, 1983

CITY of PORTLAND

To the CHIEF OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION . 1196 Congress Street
1. Owner's name and address Downeast Energy Corp. - 172 Main St. So. Port. Fire District #1 ☐ #2 ☐
2. Lessee's name and address Telephone 799-5585
3. Contractor's name and address Portland Pump Co. - Lincoln St. So. Port. Telephone 767-2336

Proposed use of building filling station with pump No. of sheets
Last use No. families
Material No. stories Heat Style of roof Roofing
Other buildings on same lot
Estimated contractual cost \$

FIELD INSPECTOR—Mr.
@ 775-5451

Appeal Fees \$
Base Fee 25.00
Late Fee
TOTAL \$ 25.00

To install 1 -4,000 gal. diesel fuel tank
as per plans. 1 sheet of plans.

Stamp of Special Conditions

send permit to # 1 04106

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

DETAILS OF NEW WORK

Is any plumbing involved in this work? ..no..... Is any electrical work involved in this work? ..no.....
Is connection to be made to public sewer? If not, what is proposed for sewage?
Has septic tank notice been sent? Form notice sent?
Height average grade to top of plate Height average grade to highest point of roof
Size, front depth No. stories solid or filled land? earth or rock?
Material of foundation Thickness, top bottom cellar
Kind of roof Rise per foot Roof covering
No. of chimneys Material of chimneys of lining Kind of heat fuel
Framing Lumber—Kind Dressed or full size? Corner posts Sills
Size Girder Columns under girders Size Max. on centers
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
Joists and rafters: 1st floor , 2nd , 3rd , roof
On centers: 1st floor , 2nd , 3rd , roof
Maximum span: 1st floor , 2nd , 3rd , roof
If one story building with masonry walls, thickness of walls? height?

IF A GARAGE

No. cars now accommodated on same lot , to be accommodated number commercial cars to be accommodated
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?

APPROVALS BY:

DATE

MISCELLANEOUS

BUILDING INSPECTION—PLAN EXAMINER Will work require disturbing of any tree on a public street? ..no.....
ZONING:
BUILDING CODE: Will there be in charge of the above work a person competent
Fire Dept.: to see that the State and City requirements pertaining thereto
Health Dept.: are observed?yes.....
Others:

Signature of Applicant

Type Name of above

Energy

Peter Reynolds For Downeast
Energy

Phone # same

123 2 ☐ 3 ☐ 4 ☐

Other
and Address

FIELD INSPECTOR'S COPY

APPLICANT'S COPY

OFFICE FILE COPY

8 MR. ROWE

Permit No. 83/702
Location: 1196 Congress St.
Owner: Vermont Energy
Date of permit 7-7-83
Approved 7-14-83
Dwelling diesel fuel tanks
Garage
Alteration

NOTES

7/18/83 no working on
re-aspect they ended July

8/2/83 Tank in. G.V.
problems

APPLICATION FOR PERMIT

PERMIT ISSUED

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION

00702

JUL 14 1983

ZONING LOCATION

PORTLAND, MAINE July 7, 1983

CITY OF PORTLAND

To the CHIEF OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION 1196 Congress Street

1. Owner's name and address Downeast Energy Corp. - 172 Main St. So. Port Fire District #1 #2

2. Lessee's name and address Telephone 799-4585

3. Contractor's name and address Portland Pump Co. - Lincoln St. So. Port Telephone 757-2336

Proposed use of building filling station with pump No. of sheets

Last use No. families

Material No. stories Heat Style of roof Roofing

Other buildings on same lot

Estimated contractual cost \$

FIELD INSPECTOR—Mr. Appeal Fees \$

@ 775-5451

Base Fee 25.00

Late Fee

TOTAL \$ 25.00

To install 1 -4,000 gal. diesel fuel tank as per plans. 1 sheet of plans.

Stamp of Special Conditions

send permit to # 1 04106

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

DETAILS OF NEW WORK

Is any plumbing involved in this work? no Is any electrical work involved in this work? no
Is connection to be made to public sewer? If not, what is proposed for sewage?
Has septic tank notice been sent? Form notice sent?
Height average grade to top of plate Height average grade to highest point of roof
Size, front depth No. stories solid or filled land? earth or rock?
Material of foundation Thickness, top bottom cellar
Kind of roof Rise per foot Roof covering
No. of chimneys Material of chimneys of lining Kind of heat fuel
Framing Lumber—Kind Dressed or full size? Corner posts Sills
Size Girder Columns under girders Size Max. on centers
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
Joists and rafters: 1st floor 2nd 3rd roof
On centers: 1st floor 2nd 3rd roof
Maximum span: 1st floor 2nd 3rd roof
If one story building with masonry walls, thickness of walls? height?

IF A GARAGE

No. cars now accommodated on same lot to be accommodated number commercial cars to be accommodated
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?

APPROVALS BY:

BUILDING INSPECTION—PLAN EXAMINER DATE

ZONING:

BUILDING CODE:

Fire Dept.:

Health Dept.:

Others:

MISCELLANEOUS

Will work require disturbing of any tree on a public street? no

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

Signature of Applicant

Type Name of a Energy

Peter Reynolds for Downeast Phone # same

1 2 3 4

Other and Address

FIELD INSPECTOR'S COPY

APPLICANT'S COPY

OFFICE FILE COPY



APPLICATION FOR PERMIT
DEPARTMENT OF BUILDING INSPECTIONS SERVICES
ELECTRICAL INSTALLATIONS

Date May 10, 1982
Receipt and Permit number A77716

To the CHIEF ELECTRICAL INSPECTOR, Portland, Maine:
The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of
Maine, the Portland Electrical Ordinance, the National Electrical Code and the following specifications:
LOCATION OF WORK: 1196 Congress Street
OWNER'S NAME: Anthony's Mobil Station ADDRESS: same

OUTLETS: Receptacles _____ Switches _____ Plugmold _____ ft. TOTAL _____ FEES _____
FIXTURES: (number of) Incandescent _____ Fluorescent _____ (not strip) TOTAL _____
Strip Fluorescent _____ ft. _____

SERVICES: Overhead _____ Underground _____ Temporary _____ TOTAL amperes _____
METERS: (number of) _____
MOTORS: (number of) Fractional _____
1 HP or over x _____

RESIDENTIAL HEATING: Oil or Gas (number of units) _____ 1.00
Electric (number of rooms) _____

COMMERCIAL OR INDUSTRIAL HEATING: Oil or Gas (by a main boiler) _____
Oil or Gas (by separate units) _____
Electric Under 20 kws _____ Over 20 kws _____

APPLIANCES: (number of) Ranges _____ Water Heaters _____
Cook Tops _____ Disposals _____
Wall Ovens _____ Dishwashers _____
Dryers _____ Compactors _____
Fans _____ Others (denote) _____
TOTAL _____

MISCELLANEOUS: (number of) Branch Panels 1 _____ 1.00
Transformers _____
Air Conditioners Central Unit _____
Separate Units (windows) _____
Signs 20 sq. ft. and under _____
Over 20 sq. ft. _____
Swimming Pools Above Ground _____
In Ground _____
Fire/Burglar Alarms Residential _____
Commercial _____
Heavy Duty Outlets, 220 Volt (such as welders) 30 amps and under _____
over 30 amps _____
Circus, Fairs, etc. _____
Alterations to wires _____
Repairs after fire _____
Emergency Lights, battery _____
Emergency Generators _____

FOR ADDITIONAL WORK NOT ON ORIGINAL PERMIT INSTALLATION FEE DUE: _____
FOR REMOVAL OF A "STOP ORDER" (304-16.b) DOUBLE FEE DUE: _____
TOTAL AMOUNT DUE: 2.00
min 3.00

INSPECTION: Will be ready on _____, 19____; or Will Call xx
CONTRACTOR'S NAME: Downesat Energy Corporation Neal H. Favreau
ADDRESS: 172 Main St. So. Portland P. O. Box 598 Brunswick
TEL: 799-5585
MASTER LICENSE NO.: _____
LIMITED LICENSE NO.: 3538 SIGNATURE OF CONTRACTOR: Donald Galland

INSPECTOR'S COPY — WHITE
OFFICE COPY — CANA
CONTRACTOR'S COPY — GREEN

1194-1230 CONGRESS ST. (RAMADA INN) 1972-1973 3

APPLICATION FOR PERMIT [#]0247

PERMIT ISSUED

B.O.C.A. USE GROUP
 B.O.C.A. TYPE OF CONSTRUCTION
 ZONING LOCATION PORTLAND, MAINE 3/21/64

MAR 27 1964

CITY OF PORTLAND

To the CHIEF OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building, structure, equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION . . . 1196 Congress Street Fire District #1 ☐ #2 ☐
 1. Owner's name and address . . . Downeast Energy, South Portland Telephone
 2. Lessee's name and address . . . William Anthony, 32 Broad Cove Rd., CB Telephone 767-4604
 3. Contractor's name and address Telephone
 No. of sheets
 Proposed use of building . . . convenience store with service station (existing) No. families
 Last use . . . service station No. families
 Material No stories Heat Style of roof Roofing
 Other buildings on same lot
 Estimated contractual cost \$ 1,500

FIELD INSPECTOR—Mr.
 @ 775-5451

Appeal Fees	\$	
Change of Use		25.00
Base Fee		20.00
Late Fee		
TOTAL		\$ 45.00

adding convenience store to existing service station - existin building - as per plans

ward to #2

Stamp of Special Conditions

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

DETAILS OF NEW WORK

Is any plumbing involved in this work? Is any electrical work involved in this work?
 Is connection to be made to public sewer? If not, what is proposed for sewage?
 Has septic tank notice been sent? Form notice sent?
 Height average grade to top of plate Height average grade to highest point of roof?
 Size, front depth No. stories solid or filled land? earth or rock?
 Material of foundation Thickness, top bottom cellar
 Kind of roof Rise per foot Roof covering
 No. of chimneys Material of chimneys of lining Kind of heat fuel
 Framing Lumber—Kind Dressed or full size? Corner posts Sills
 Size Girder Columns under girders Size Max. on centers
 Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
 Joists and rafters: 1st floor , 2nd , 3rd , roof
 On centers: 1st floor , 2nd , 3rd , roof
 Maximum span: 1st floor , 2nd , 3rd , roof
 If one story building with masonry walls, thickness of walls? height?

IF A GARAGE

No. cars now accommodated on same lot , to be accommodated number commercial cars to be accommodated
 Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?

APPROVALS BY: DATE
 BUILDING INSPECTION—PLAN EXAMINER
 ZONING
 BUILDING CODE:
 Fire Dept.:
 Health Dept.:
 Others:

MISCELLANEOUS
 Will work require disturbing of any tree on a public street?
 Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed?

Signature of Applicant William Anthony Phone #
 Type Name of above 1 ☐ 2 ☐ 3 ☐ 4 ☐

Other
 and Address

FIELD INSPECTOR'S COPY

APPLICANT'S COPY

OFFICE FILE COPY

APPLICATION FOR PERMIT

B.O.C.A. USE GROUP

B.O.C.A. TYPE OF CONSTRUCTION

ZONING LOCATION

PORTLAND, MAINE

0218
PERMIT ISSUED

MAR 21 1984

To the CHIEF OF BUILDING & INSPECTION SERVICES, PORTLAND, MAINE

The undersigned hereby applies for a permit to erect, alter, repair, demolish, move or install the following building and equipment or change use in accordance with the Laws of the State of Maine, the Portland B.O.C.A. Building Code and Zoning Ordinance of the City of Portland with plans and specifications, if any, submitted herewith and the following specifications:

LOCATION 1199 Congress Street

1. Owner's name and address Cash Energy - same 1 Fire District #1 ☐ #2 ☐

2. Lessee's name and address Telephone

3. Contractor's name and address Bailey Sign - Thompson's Point, Box 751, Portland 04104 Telephone 774-2843

Proposed use of building Service Station No. of sheets

Last use same No. families

Material No. stories Heat Style of roof Roofing

Other buildings on same lot

Estimated contractual cost \$ Appeal Fees \$

FIELD INSPECTOR - Mr. Base Fee

@ 115-5451

Late Fee

To erect temporary, 4' x 8' sign, for 3 consecutive months starting March 16 to June 16, 1984. Lighted, non flashing.

TOTAL \$ 30.00

Stamp of Special Conditions

ISSUE PERMIT TO #3

NOTE TO APPLICANT: Separate permits are required by the installers and subcontractors of heating, plumbing, electrical and mechanicals.

DETAILS OF NEW WORK

Is any plumbing involved in this work? Is any electrical work involved in this work?
Is connection to be made to public sewer? If not, what is proposed for sewage?
Has septic tank notice been sent? Form notice sent?
Height average grade to top of plate Height average grade to highest point of roof
Size, front depth No. stories solid or filled land? earth or rock?
Material of foundation Thickness, top bottom cellar
Kind of roof Rise per foot Roof covering
No. of chimneys Material of chimneys of lining Kind of heat fuel
Framing Lumber—Kind Dressed or full size? Corner posts Sills
Size Girder Columns under girders Size Max. on centers
Studs (outside walls and carrying partitions) 2x4-16" O. C. Bridging in every floor and flat roof span over 8 feet.
Joists and rafters 1st floor 2nd 3rd roof
On centers: 1st floor 2nd 3rd roof
Maximum span: 1st floor 2nd 3rd roof
If one story building with masonry walls, thickness of walls? height?

IF A GARAGE

No. cars now accommodated on same lot, to be accommodated number commercial cars to be accommodated
Will automobile repairing be done other than minor repairs to cars habitually stored in the proposed building?

APPROVALS BY:

DATE

MISCELLANEOUS

BUILDING INSPECTION—PLAN EXAMINER

Will work require disturbing of any tree on a public street? no

ZONING:

BUILDING CODE:

Fire Dept.:

Health Dept.:

Others:

Will there be in charge of the above work a person competent to see that the State and City requirements pertaining thereto are observed? yes

Signature of Applicant

Larry Dyer for Bailey Sign

Phone #

Type Name of above

1 ☐ 2 ☐ 3 ☐ 4 ☐

Other

and Address

FIELD INSPECTOR'S COPY

APPLICANT'S COPY

OFFICE FILE COPY

940157

Permit # _____ City of Portland BUILDING PERMIT APPLICATION Fee \$56.20 Zone _____ Map # _____ Lot# _____
Please fill out any part which applies to job. Proper plans must accompany form.

Owner: MERRIMACK Phone # _____
 ***** Lessee: DownEast Energy
 Address: 172 Main St. So. Portland 04106 799-5585
 LOCATION OF CONSTRUCTION 1196 Congress St.
 Contractor: Bailey Signs Sub: _____
 Address: _____ Phone # _____
 Est. Construction Cost: _____ Proposed Use: _____
 Past Use: _____
 # of Existing Res. Units _____ # of New Res. Units _____
 Building Dimensions L _____ W _____ Total Sq. Ft. _____
 # Stories: _____ # Bedrooms _____ Lot Size: _____
 Is Proposed Use: Seasonal _____ Condominium _____ Conversion _____
 Explain Conversion to erect signs as per plans _____

For Official Use Only
 Date March 4, 1994 Subdivision _____
 Inside Fire Limits _____ Name 3-14-94
 Bldg Code _____ Lot _____
 Time Limit _____ Ownership: _____ Public _____
 Estimated Cost _____
 CITY OF PORTLAND

Zoning: _____
 Street Frontage Provided: _____
 Provided Setbacks: Front _____ Back _____ Side _____ Side _____
 Review Required: _____
 Zoning Board Approval: Yes _____ No _____ Date: _____
 Planning Board Approval: Yes _____ No _____ Date: _____
 Conditional Use: _____ Variance _____ Site Plan _____ Subdivision _____
 Shoreland Zoning Yes _____ No _____ Floodplain Yes _____ No _____
 Special Exemption _____
 Other (Explain) 3-14-94

Foundations:
 1. Type of Soil: _____
 2. Set Backs - Front _____ Rear _____ Side(s) _____
 3. Footings Size: _____
 4. Foundation Size: _____
 5. Other _____

Floor:
 1. Sills Size: _____ Sills must be anchored.
 2. Girder Size: _____
 3. Lally Column Spacing: _____ Size: _____
 4. Joists Size: _____ Spacing 16" O.C.
 5. Bridging Type: _____ Size: _____
 6. Floor Sheathing Type: _____ Size: _____
 7. Other Material: _____

Exterior Walls:
 1. Studding Size _____ Spacing _____
 2. No. windows _____
 3. No. doors _____
 4. Header Sizes _____ Span(s) _____
 5. Bracing: Yes _____ No _____
 6. Corner Posts Size _____
 7. Insulation Type _____ Size _____
 8. Sheathing Type _____ Size _____
 9. Siding Type _____ Weather Exposure _____
 10. Masonry Materials _____
 11. Metal Materials _____

Interior Walls:
 1. Studding Size _____ Spacing _____
 2. Header Sizes _____ Span(s) _____
 3. Wall Covering Type _____
 4. Fire Wall if required _____
 5. Other Materials _____

White - Tax Assessor

Ceiling:
 1. Ceiling Joists Size: _____
 2. Ceiling Strapping Size _____ Spacing _____
 3. Type Ceilings: _____
 4. Insulation type _____ Size _____ Requires Review _____
 5. Ceiling Height: _____
 Roof:
 1. Truss or Rafter Size _____ Span _____ Action: _____ Approved _____
 2. Sheathing Type _____ Size _____
 3. Roof Covering Type _____
 Chimneys:
 Type: _____ Number of Fire Places _____
 Heating:
 Type of Heat: _____
 Electrical:
 Service Entrance Size: _____ Smoke Detector Required Yes _____ No _____
 Plumbing:
 1. Approval of soil test if required Yes _____ No _____
 2. No. of Toilets or Showers _____
 3. No. of Fixtures _____
 4. No. of Lavatories _____
 5. No. of Other Fixtures _____
 Swimming Pools:
 1. Type: _____
 2. Pool Size: _____ x _____ Square Footage _____
 3. Must conform to National Electrical Code and State Law.

Permit Received By Latini
 Signature of Applicant Stephen Hall Date 3/4/94
 CEO's District 4

CONTINUED TO REVERSE SIDE [4] M. Carro
 Ivory Tag - CEO