STROUDWATER Construction
GENERAL CONTRACTOR

238A AS

March 25, 2005

DEPT. OF BUILDING INSPECTION
CITY OF PORTLAND, ME
MAR 29 2005
RECEIVED

Mr. Michael Nugent
City of Portland Code Enforcement
389 Congress Street
Portland, Maine 04101

Re: Maine Printing Co. Office Renovation
2271 Congress St.
Permit # 04-1833

Dear Mr. Nugent,

Please find attached a plan showing the soffit heights at the above mentioned project. The lower height is necessary to avoid existing and new heat pipes and ductwork. The existing heat pipes are now tight against the structural steel. The ductwork is also tight against the structural steel and has been made as short and as wide as the mechanical engineer has recommended. Any attempt to increase the width would result in a "drumming" effect during operation.

I would like to request a variance to build these soffits at this height. Please know that a great deal of time and effort was made of the part of the Architect, Mechanical Engineer, and Contractor to find the best solution possible to this issue.

Please let me know when this issue has been reviewed.

If you have any questions or need additional information please do not hesitate to call.

Sincerely,

David A. Cimino

Attachments

STROUDWATER Construction
GENERAL CONTRACTOR

358 AP 5

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City of Portland Code Enforcement
389 Congress Street
Portland, Maine 04101

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Re: Maine Printing Co. Office Renovation
2271 Congress St.
Permit # 04-1833

Dear Mr. Nugent,

Please find attached a complete set of the most up to date plans for the above mentioned project. As requested as a condition of approval you will find updated skylight details. These can be found on sheets 15, 16, 17 and on page 15 of MPX specifications.

Please let me know when this has been reviewed.

If you have any questions or need additional information please do not hesitate to call.

Sincerely,

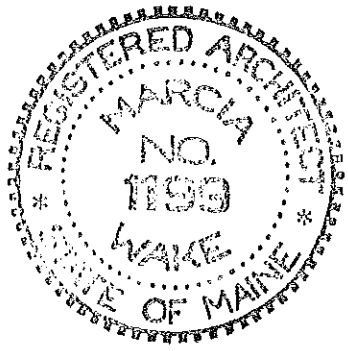
David A. Cimino

Attachments

MARCIA WAKE ARCHITECT
40 COVERED BRIDGE ROAD
WINDHAM MAINE 04062
207-892-3791

MPX SPECIFICATIONS

Bob Willis, President
P.O. Box 3889
Portland, Maine 04104
774-6116 Ext 3301



A. Scope of work: 2273A Congress Street Portland, ME

1. Demolition: Entire first floor of Main building and Addition, and Addition Entry area.
2. Addition: New recessed entry at Addition, 2 skylight areas, extended soffit over entry.
3. Remodeling: Entire first floor of Main building and Addition, and Addition Entry area
4. Site: Re-pave and line parking lot; remove asphalt back of building; landscaping and paving around building.

B. Codes: It is the contractor's responsibility to follow state and local codes, ordinances, and regulations. See especially: the 2003 International Building Code as amended by Section 6-Art II, Portland Zoning Ordinance, NFPA 101 Life Safety Code. the 2003 IECC for energy, ASHRAE Standard 62-2001 (Ventilation), State of Maine Plumbing Code, and the 1999 National Electrical Code as amended by Section 6-Art III. HVAC installation must comply with applicable State Rules and the 2003 International Mechanical Code.

C. Definitions

1. Where phrase "**or equal**" or "equal to" is used, Contractor shall base bid on item specified unless alternate is approved in advance by Owner.

2. "**Select**" includes taking responsibility for the quality of the material to be supplied. Unless otherwise stated, contractor shall supply and install Owner's selection.

3. "**Supply**" includes taking responsibility for payment and delivery, and also includes "selection" if the exact material has not been specified.

4. "**Install**" means to complete all required construction of the supplied material and to supply any incidental materials which may be required.

5. "**Provide**" shall mean to select, supply, and install as defined above. Unless otherwise stated, all items shown in drawings or referred to in specifications, or required for proper installation and functioning, are to be provided by Contractor.

6. "**Submittal**": The symbol ⌧ indicates that before work involving the specified item may begin, Contractor must submit sufficient information for Owner's approval, which may include samples, product literature, warranties, operating instructions, "as-built record copy." A submittal is also required before any **substitution** for a specified product may be approved.

D. Contract

1. Contractor shall provide all items and details in drawings or specifications, except as otherwise noted. Contractor shall provide any items or details that are required, even if not shown in drawings or specifications, for completion of a durable, weathertight building as defined by usual and customary good practice. Any errors, omissions, or inconsistencies in the contract documents should be called to the attention of the Architect for clarification as soon as possible and before construction has begun on any affected part.

2. Use subcontrarctors or installers with minimum two years experience in the trade involved. The Owner shall pre-approve all subcontractors.

3. The Contractor shall be responsible to repair or replace any defect in the work which is due to failure to follow the manufacturer's instructions, including delivering, handling, storage, installation, etc..

4. The Contractor shall obtain for the Owner a written Waiver of Mechanic's Lien from each of his subcontractors.

5. In addition to this specification and the drawings, any dispute between the Owner and Contractor shall follow the standards set out in the Standard Form of Agreement between Owner and Contractor: AIA A107 and the General Conditions of the Contract for Construction AIA A201

6. Contractor shall submit a written proposal for completing the work described in the current drawings and specifications, which shall include: Contractor's conditions of Contract, payment schedule, proposed start and completion dates, any proposed deviations or exceptions to drawings or specifications, as well as Contractor's current limit of liability insurance for accident or damage to life or property that may be caused directly or indirectly by the execution of this Contract. Such Insurance is to be maintained at the Contractor's expense. These items shall be included in the contract between the Owner and the Contractor.

7. Hazardous waste or asbestos materials uncovered by the Contractor during demolition and not otherwise mentioned in this specification, will require written notification to the Owner. Any additional expense for the safe and lawful removal or containment by the Contractor, should be submitted as a change order to the Owner.

E. Changes

1. Any changes in material, schedule, method of construction, or additional work must be agreed to by both owner and builder. Minor changes in scope (i.e., substitutions of equal quality and cost, total schedule delay of less than half a day, or cost of all changes less than $100), may proceed only after verbal agreement. Changes greater than these must be authorized by written **Change Order** signed by, and delivered to, both Owner and Contractor prior to change. The Owner may wish to consult with the Architect before authorizing changes.

2. Changes from construction documents are to be noted on Contractor's copy. Contractor's marked-up copy is to be turned over for **"as-built record copy"** to Owner before final request for payment.

3. If a material to be installed has a noticeably different appearance or performance from the approved material, or if the substrate, preparation, or conditions in which the material is to be installed is inadequate or sub-standard the Contractor shall notify the architect or owner for approval before proceeding with the work.

4. Construction supervision by the Architect is not included in this agreement or in the agreement between the Owner and the Architect. Unless specifically hired to do so, the architect will not undertake analysis

of any changes to the specifications or drawings. The effect of the change on such things as design, safety, durability, or code compliance will be the responsibility of the owner and the builder.

5. If hired by the owner to evaluate a piece of the construction, the Architect shall have the right to order the removal or replacement of any inferior material or workmanship, or may accept it and make an equitable deduction for it from the contract price.

2. ABBREVIATIONS [In both drawings and specifications.]

ABV Above	ELEV Elevation (View)	INCL Include(s;d;ing)	RM Room
AFF Above Finished Floor	EQ Equal	INSUL Insulation	RO Rough Opening
BLDG Building	EX Existing	INT Interior	SEC Section
BOF Bottom of Footing	EXT Exterior	MAX Maximum	SH Sheet
BOT Bottom	FIN Finish	MEMB Membrane	SIM Similar
CARP Carpet	FL Floor	MIN Minimum	SPEC Specifications
CB Catch Basin	FLUOR Fluorescent	MISC Miscellaneous	ST. Stainless Steel
CIP Cast-in-Place	FOUND Foundation	MTL Metal	STOR Storage
CLG Ceiling	FT Feet	NIC Not in Contract	THK Thickness
CMU Concrete Masonry Unit	FTG Footing	NO Number	TOF Top of Footing
COL Column	GA Gauge	NTS Not to Scale	TOW Top of Wall
CONC Concrete	GALV Galvanized	OC On Center	TR Tread
CT Ceramic Tile	GC General Contractor	OD Outside Diameter	TYP Typical
DIM Dimension	GL Glass	OF Owner-Furnished	VB Vapor Barrier
DN Down	GWB Gypsum Wall Board	OPP Opposite	W/ With
	HB Hose Bibb		
DWG Drawing	HGT Height	PL Plate	WD Wood
EA Each	HM Hollow Metal	PL. Plastic Laminate	WP Waterproof(ing)
EL Elevation (Height)	HORIZ Horizontal	REINF Reinforcing	W/O Without
ELEC Electric(al)	ID Inside Diameter	REQD Required	WWF Welded Wire Fabric

Symbol key for drawings:

Reference line ———— • • ————

Center line ———— • ————

Approximately ±

3. PERMITS: Contractor is to obtain and pay related fees for permits and required approvals, file with required regulatory agency or agencies and submit copies to Owner.

4. WATER SUPPLY:

1. **Water Supply: Public.** No change to water supply is anticipated. However, if any changes would be required, the following should apply:

a) Where piping crosses under a driveway or paving the lines should be sleeved in a larger pipe and protected from freezing with *Styrofoam* rigid insulation at least 6" thick laid on a flat bed of sand burying the pipes, and with 6" sand over the foam.

b) Water line to be buried at least 5' below grade.

5. SITE, ROUGH GRADING, PAVING

1. See **site plan, driveway, grading, drainage, stormwater management, erosion control and specifications** by DeLuca-Hoffman Associates, Inc.

2. Certification of Accessibility for Barrier Free Permit will by by DeLuca Hoffman Accociates.

3. Stockpile **topsoil** or replace equal volume for use around building.

4. **Vehicles are to remain on paving and parking** area as much as possible. Avoid driving or parking any vehicles off pavement outside 20' of the building.

5. Contractor to avoid driving **vehicles within the drip-line of any tree**, unless that tree is to be removed. Especially avoid driving, loading, or any other activity that might compact or disturb the soil around the large tree near the new front entrance.

6. Contractor to injure or remove no **trees**.

7. If any **trees greater than 5" in diameter**, that have not been slated for removal, are damaged by Contractor or subcontractors, the Contractor shall pay for the owner's choice of treatment, removal, or replacement.

8. **Electric, telephone, and cable lines** to be 3' below grade down left side of driveway unless otherwise specified by DeLuca-Hoffman.

9. No organic material larger than 2" x 4" x 6" in foundation **backfill.**

10. **Filled & cut banks** shall be promptly mulched & seeded or otherwise protected to prevent erosion.

11. If any **large rocks** need to be moved, consult architect for where they might be used for landscaping.

12. **Building debris** is to be collected in one spot & removed each week or as required to prevent buildup. Material may not be burned or buried on-site.

13. Handicapped-Accessible parking spaces must be level with surface slopes not exceeding 2%.

14. Provide a wheel-chair accessible route from one public street and from parking to the building that does not require use of a vehicular route.

15. SEPTIC SYSTEM: Existing Septic System to be reviewed for adequacy by Delucca-Hoffman.

6. LANDSCAPING

1. **Walkways and Patio:** Stamped, stained and sealed concrete to simulate stone paving. Joints to be ground and re-grouted for more realism. See Architectural Site Plan for locations. The concrete pattern must be wheelchair accessible. Submit samples for approval ☒.

2. Spread 4" **topsoil** over disturbed construction site.

3. **Groundcover:** pachysandra.

4. **Existing large tree** near new entry: Cathedral-cut to clear the roof of the new entry. Avoid damaging roots by, for example driving, loading, or dumping within drip-line of the tree.

a) **Planters at new Entry.** http://www.americastconcrete.com/images/desc_html/rectangular_planter.html 815-338-2244; http://www.strescon.com/products/precast/misc/plant.html , http://www.wausautile.com/index.cfm/choice/TerraForm/id/22/productdetail/y/thumbnail/WT893/productnum/TF41803_____

5. **Planting:** See Architectural Site Plan for location of planting._____ Submit **plant list and plan** for Architect's review ☒.

a) Screen Mechanical equipment from view from Gathering Space and Offices.

b) Northwest side where existing paving is to be removed: replace with ground-cover.

c) Provide planting at North corner at or near the edge of the paving.

d) Fill Planters at new Entry.

7. FOUNDATION:

A. Concrete and Reinforcing

1. **Footings:**

a) Provide Frost Protected Shallow Foundation (FPSF) at new entry, as shown on the plans. Place Concrete on **undisturbed ground** or moistened & machine-compacted fill.

b) FPSFconcrete: **3000 psi** .

c) Two **#4 rebars** three inches from the bottom and sides, as shown on the drawings.

d) **Reinforcing steel be ASTM A615, Grade 60.**

e) **Sill Anchor bolts 1/2"x 10" @ 4'-0" o.c. min., and within 12" of ends of each sill.**

f) FPSF depends on positive drainage away from the edge of the slab.

g) Use 2" Styrofoam, High Load under brick face.

h) FPSF relies, in part, on the building's heat to effectively raise the frost depth of the adjacent soil, so the floor slabs should have an R-value less than 10.

i) FPSF requires perimeter insulation with no thermal bridging.

j) Foundation wall must extend at least **9" above finish grade** at soil.

2. **Slab: Cut existing slab at entry recess, Repair existing slab if required, Pour 4 " thick new slab at** exterior of Entry

   a) Slab concrete: 3500 psi, fiber reinforced.

   b) Expansion and control joints and perimeter joints next to building to be sealed.

3. **Moist cure** 1 day minimum. Keep forms on or keep continuously damp and covered w/ polyethylene. Avoid sudden temperature changes to concrete less than a week old, such as spraying sun-heated concrete with cold water.

4. Concrete should be placed as dry as workability will permit and spaded or vibrated to fill all voids & surround all reinforcing.

5. Protect all concrete from freezing. Avoid calcium chloride if at all possible.

6. Contractor shall remove all form ties and patch the holes and any other voids inside and outside with expanding waterproofing concrete patching cement.

7. Sill Anchor bolts "x 10" @ 4'-0" o.c. min., and within 12" of ends of each sill.

B. Foundation Moistureproofing

1. **Walls:** Cold asphalt emulsion vapor barrier (VB) brushed or troweled on outside of wall below grade.

2. **Slab:** 10 mil polyethylene 20' wide, or .02 perm *Moistop*.. Lap, clean and seal all seams with urethane sealant.

C. Foundation Drainage

1. Provide positive slope of finished grade away from exterior walls.

2. Wall drainage at southeast wall of Building A Addition.: Provide perforated heavy-wall **PVC footing drain pipe** surrounded by coarse gravel wrapped in filter fabric.

3. Provide **foundation drains** to slope continuously downhill to daylight, under parking area, ending in rock or coarse gravel to disperse runoff.

4. **Backfill: Provide about 12" of coarse gravel next to the foundation insulation for drainage into the footing drain pipe.**

5. **Gutters and Downspouts:** Repair or replace gutters and downspouts on front of building as required.

D. Foundation Insulation

1. Wherever **existing foundation walls** are excavated, and at **new foundation walls** provide: 2" tongue & groove *Styrofoam* applied vertically from top of wall to min. 4' below grade, mechanically fastened w/ 2" min. washers.

2. **Slab perimeter insulation wherever accessible**: 2" Styrofoam to extend into building 4' from exterior wherever slab is less than 4' below the finish grade.

8. MISCELLANEOUS CONCRETE

1. Cement-based floor leveling or patching compound similar to Levelastic: at irregular substrates, and to make smooth transitions between floor finishes of different thicknesses, and a smooth substrate for floor finishes.

2. Removal of foundation walls sections between columns for new windows at the lower level of Main Building.

9. MISCELLANEOUS MASONRY

1. Entry recess cut existing walls and provide new brick-clad walls around recess.

2. Remove interior brick walls at lower level under Main Building A at Gathering Area and Small Conference Room. See Architectural detail and Structural Engineering design for details of support of existing brick wall above.

3. Add brick cladding on steel angle shelf to Addition northeast wall per current architectural rendering.

4. Interior brick Gathering Space: Cover with 5/8" GWB on strapping.

5. Ceramic tile: See FINISHES.

10. ENVELOPE: STRUCTURE, EXTERIOR PROTECTION, THERMAL INSULATION, AIR INFILTRATION, MOISTURE, AND FIRE PROTECTION

1. Existing Roof, Wall, Floor construction to be matched where alterations, additions, or repairs are required.

2. Add insulation to the roof and walls of the existing Addition, and to the foundation walls and slab wherever accessible.

3. Provide a continuous, lapped and sealed interior vapor barrier equal to 6 mil virgin polyethylene or foil-faced reinforced kraft paper.

4. Avoid any double vapor barrier that might trap water vapor.

5. Provide a continuous, lapped and sealed air infiltration barrier or house-wrap.

6. Insulation general requirements in all locations:

   (1) :Should not be placed in contact with unrated lighting fixtures, obsolete wiring, unlined or deteriorated chimneys, or leaking pipes and roofs. Structural and mechanical defects must be repaired before building is insulated.

   (2) Should not be placed in contact with the soil, exterior masonry unless it is Styrofoam rigid insulation, or proven equal.

   (3) Reinforced polyethylene vapor barrier. All seams and gaps must be taped with 3M red tape or caulked.

(4) Avoid air pockets that connect the warm and cold sides, such as insulation that doesn't fit snugly on all sides. Do not squish insulation: cut to fit electric boxes and slit to sandwich wiring. If insulation piece is too long, cut it to fit, rather than folding it. If the contractor chooses to side-staple the insulation, the staples must be close enough to avoid fish-mouths.

(5) Where the air barrier is being sealed to a top plate or bottom plate, or at the rough opening for a window or door, the poly can be sealed with either 3M tape or acoustical sealant.

(6) Patch each hole and hose slit with 3M tape

(7) Alt: rigid insulation: seal with a continuous perimeter bead of adhesive. If possible, install insulation in two or more layers (especially in roofs) in order to stagger joints

(8) Icynene: may be considered a "breathing air barrier, substituting for an air infiltration barrier or house wrap. Where Icynene is not used everywhere, the air infiltration barrier systems should be overlapped and/or sealed so as to be continuous.

(9) Icynene may be considered a vapor barrier. When applied to a non-vapor permeable surface, such as metal, a vapor retardant paint should be used to prevent condensation in extreme vapor drive conditions such as extreme cold weather. Where Icynene is not used everywhere, the vapor barrier system should be overlapped and/or sealed so as to be continuous.

B. Wall Envelope

1. Steel studs should be cold-formed from ASTM A446 sheet steel that has been hot-dipped galvanized to ASTM A525 G60. Steel thickness should be a minimum of 18 gauge, 16 inches on center.

2. **Fiberglass batt insulation: R 19 min.**

3. **Sheathing** : The existing wall sheathing consists of an air infiltration barrier and gypsum sheathing. Where it is to be exposed, fill sheathing joints with caulk to allow the dampproofing to span the joints. Fastened with corrosion resistant screws.

4. **New sheathing (walls):** Match existing.

5. **Full-thickness Brick facing to match existing** ⌫. Attached to corrugated metal with anchors flexible in all directions. http://www.arcat.com/sdspecs/htm/04090cca.htm?coid=31302

6. **Brick Cavity Walls at Steel Studs:**

   (1) The entire sheathed surface should be covered with a **dampproofing** material formulated to allow for adequate water vapor transmission.

   (a) Alternatively, 15 lb. felt, may be used over the entire wall surface.

   (2) **Brick Ties**: Adjustable, attached through the sheathing to the structure. At the wall tie locations apply a piece of flexible sheet flashing set in mastic.

   (a) Do not anchor the ledger angle and the brick veneer together: rely on friction and brick ties abv.. http://www.masonryinstitute.com/veneer/section3.3.html

   (b) Tie system must: 1) be securely attached to both masonry wythes or the brick veneer and its backing, 2) have sufficient stiffness to transfer lateral loads with minimal deformations, 3) have a minimum amount of mechanical play, 4) be corrosion-resistant Corrugated ties are typically used

in low-rise, residential veneer over wood frame construction and are not recommended for construction incorporating brick veneer over steel studs, masonry-backed cavity walls, multi-wythe walls or grouted masonry walls.

(c) Provide 5/8" min mortar cover for all ties.

(3) **Air Space**: Min 2". The cavity should be kept clear of any obstructions, such as mortar droppings, that might allow water to bridge across.

(4) **Weep holes** at max 24" O.C.

(5) Full Brick facing to **match existing** ⌫.

(6) **Brick shelf** at Brick Cavity Wall at Corrugated Metal Siding: Steel angle as shown on the structural drawings, bolted to concrete wall min 4" above fin. grade.

(7) **Ledgers and Lintels** : Hot-dip galvanized.

(a) 1/4" to 1/2" open butt brick joints at eight to twelve feet o.c. A compressible filler material can be placed in the joint to ensure that it does not fill with mortar.

(8) **Flashing** should be placed at any location where the cavity is interrupted such as where the masonry is bearing on steel or concrete, such as at brick ledgers, lintels, windows, and sills. End dams should be provided to prevent water migration around windows or other obstructions. Full head joint weep holes should be provided both above and below the flashing to allow the collected water to drain back out through the brick veneer. Flashing should extend through the wall, not stopped within the wall.

7. **Existing vertical corrugated metal siding:** to be repainted, or replaced if damage is visible at a distance of 20 ft.

8. **Soffit** at new front entry: Dryvit rough stucco texture.

9. **Framing for windows and doors**:

a) **Header insulation**: 2" rigid insulation board, held away from outer header with shims.

b) **Perimeter shim spaces**: After exterior trim is nailed tightly in place, apply minimal expansion urethane spray-foam to seal all gaps 2/3 full. Stuff remaining gaps and fill cavity around window with fiberglass batt.

c) Flashing: See Flashing below also.

10. **Continuous Vapor Barrier:** 6-mil polyethylene.

11. **Stainless steel nails** for all exposed exterior finish woodwork.

12. **Interior material**: Unless otherwise specified, provide 1/2" Gypsum Wallboard, except at Fire-rated partitions: use 5/8" Type X fire-rated.

a) Store GWB dry and at min 50°F(10°C) for at least 48 hours prior to applying join compound, texture, paint, or coatings. Maintain 50°F during application, and provide ventilation for proper drying. If at all possible maintain permanent heating and ventilation.

C. Roof Envelope

1. **Higher roof** needs no work except examining and repairing sealant and flashing. Lower roof: Provide **asphalt composition or fiberglass shingles** to match Upper roof as well as possible.: Provide Warranty information ☒ and samples ☒ for selection by Owner.

2. **Underlayment**: 15-lb. Asphalt saturated felt. Overlap courses shingle fashion at least 2 inches and end laps at least 4 inches.

   a) For roof slopes from 4:12 (33%) or greater: Apply one layer parallel to and starting at the eave, lapping each layer 2

   b) For roof slopes from 2:12 (17%) to 4:12 (33%) use two layers underlayment. Apply a min. 19" wide strip parallel with and starting at the eaves. Start again at eave and apply 36" wide sheets of underlayment overlapping successive sheets 19".

   c) In high wind areas (greater than 110 mph): Use corrosion resistant fasteners along the overlap 6" o.c. min.

3. **Bituthene** water barrier continuous over entire lower roof.

4. **Plywood sheathing**: 5/8" CDX.

5. **Insulation R30, vented** to ridge and soffits. Existing insulation is to be cut away.

6. Provide a *continuous* sealed airtight 6-mil poly **vapor barrier** on the interior (warm) face of fiberglass batt.

7. **Roof Ventilation:** All vents must be waterproof, resist rain penetration, and have rodent and insect screening.

   a) Provide continuous aluminum ridge vent equal to Multipitch by Air Vent.Inc. http://www.airvent.com/homeowner/products/ridgeVents-multiPitch.shtml Bronze color. 18" of net free area per linear foot. Weather filter. Retrofit over both ridges.

   b) Total slot opening should not exceed 1½ inches wide.

   c) Fasten ridge vent with galvanized nails to penetrate through deck by ½ inch.

   d) **Soffit vents:** Provide continuous aluminum soffit vents at both halves of roof. Equal to that by Air Vent Inc. http://www.airvent.com/homeowner/products/intakeSoffit-specs.shtml. 2 ¾" x 96" long, 9 sq. in. per lin. ft. net free area. Brown color.

   e) Provide **ventilation** for each roof bay Leave an airspace of 1-1/2" between sheathing and insulation using baffle spacers

   f) Selected vent must protect the attic from wind-driven rain, snow, dust rodents and insects.

8. **Drip edge** at all sides: Aluminum .019" min. or galvanized steel, 24 ga., painted.

9. **Flash valleys** with bituthene.

10. **Guarantee:** Roofing Contractor shall provide a written guarantee ⌫ against leaks due to faulty workmanship or materials for a period of two years from the date of notice of completion. If Owner has given Contractor timely notice, any such leaks which occur during that period and any resulting damage to house & furnishings are to be repaired or replaced without cost to Owner. After Owner has given Contractor notice, the contractor shall be responsible to protect the house and it's contents from damage until he has made the necessary repairs.

D. Flashing

1. **Flashing** shall be provided to prevent moisture from entering the roof or walls, or to redirect it to the exterior. Flashing shall be installed at the perimeters of all exterior doors and windows, penetrations and terminations of exterior wall assemblies, where the exterior wall intersects the roof. chimneys, porches, decks, balconies and similar projections, at built-in gutters, and similar locations where water could enter the wall. Flashing with projecting flanges shall be installed on both sides and the ends of copings, under sills, and continuously above projecting trim.

2. **Flash and counterflash**, intersections, vents, or clerestories, the exposed tops of any walls, the tops of windows and doors, under all door and window sills, at chimneys, and anything projecting through the wall, and where exterior porches, decks or stairs attach to a wood framed wall or floor. Flashing is required at all roof and wall intersections. Any place where the wall meets a different material or changes planes should be constructed so that water that might penetrate the surface is redirected to the outside. Note: a nailing flange is not sufficient flashing. See also Roof Flash and Counterflash, below.

3. **Roof: Flash and counterflash** at all roof edges, intersections, overhangs, vents, gutters, abutting walls or clerestories, skylights, chimneys, change in slope, around anything projecting through the roof, and any place where the roofing meets a different material. Where galvanized steel flashing is not exposed, use 26 ga. min., where exposed, use 24 ga. Exposed galv. flashing must be painted.

4. **Avoid contact between different kinds of metals.**

5. **All metal flashings** except for valley flashings must be at least 26-gauge, G-90 galvanized steel or 12-oz. copper.. Valley flashing must be a min of 28 gauge, G-90 galvanized steel, or 12-oz. copper.

6. **Cant strips:** Wood or fibrous, shall be provided to avoid bending metal flashing 90 degrees.

7. Metal flanges and edge flashings should be set in a solid bed of flashing cement or sealant.

E. Exterior Soffits:

1. Face and underside **rough-textured** Dryvit⌫ or stucco⌫.

2. **Paint** ⌫ to match existing brick

F. Fire Protection:

1. See **Electrical plans and specifications** by E.S. Boulos company and Architectural Electric Plans.

2. See **NFPA 1** and **Life Safety Code**.

3. **Fire-blocking** (2" nom. wood thickness, secured GWB or mineral wool board or batt) shall be installed in combustible concealed locations, between top story and roof or attic space, and to cut off concealed draft openings both horizontal and vertical, and at concealed spaces between stair stringers at the top and bottom of the run. Fireblocking shall be installed at openings around vents, pipes, ducts, chimneys and fireplaces at ceiling and floor levels. Concealed spaces in combustible exterior architectural trim: Fireblocking at max intervals of 20 feet. Concealed wood sleeper spaces: fill space between the floor slab and the underside of the wood flooring with approved material, solidly under permanent partitions, and so there are no open spaces under the flooring greater than 100 sq.ft.

4. **Draftstopping** to subdivide floor/ceiling spaces (1/2" GWB, 3/8" wood or particle board panel. Floor areas shall not exceed 1000 sq.ft. Attic spaces shall be draft-stopped so that horizontal area does not exceed 300 sq.ft.

5. **Mechanical rooms** shall be separated from spaces next to and above by **1-hour fire resistance rated** construction complying with ASTM E 119.

   a) **Penetrations** may consist of plumbing pipes, HVAC ductwork, electrical boxes, etc., which breach the membrane of a 1-hour fire resistive assembly. Penetrations shall be protected by an approved penetration firestop system installed as tested in accordance with ASTM E 814. Limit the number of penetrations into a fire-resistive assembly wherever it is feasible to do so.

   b) **Partitions** shall extend from the floor to the underside of the fire-resistance rated floor/ceiling assembly or fire-resistance rated roof/ceiling assembly or to the underside of the floor or roof deck above. The envelope of fire protection shall form a continuous enclosure.

   c) **Doors** shall be **self-closing**.

   d) **Doors** shall not have air transfer openings and shall not be undercut in excess of the clearance permitted in accordance with NFPA 80.

   e) Provide materials and application procedures identical to those listed by UL or tested according to ASTM E119 for type of construction shown.

   f) Per IBC Table 720.1, Item No.13-1.3: 0.055" (No.16 carbon sheet steel gage) approved nailable metal studs 24" o.c. with full-length 5/8" Type X GWB applied vertically and nailed 7" o.c. with 6d cement-coated common nails. Approved metal fastener grips used with nails at vertical butt joints along studs. Min. thickness face-to face = 4 7/8".

G. Misc. Structure:

1. **Pressure-treated or rot-resistant wood** to be used at all exterior locations exposed to rain, snow, or frequent splashing; or located on or within 8" of the ground, or in contact with masonry which is exposed to the ground or which could be damp regularly or periodically.

2. Double top plates, lap at intersections of walls & partitions, and stagger end joints not less than 48".

3. Do not use shingles or other compressible wood pieces to shim structural members.

4. Do not alter any structural components without Owner's/ Architect's/ Structural Engineer's written approval.

5. Prior to framing, lay out partitions and major features. Dimensions may vary from plans not more than 1/2" in kitchens, bathrooms, or spaces that must fit millwork, equipment or prefabricated items, and not more than 2" in other rooms, provided that the construction meets all clearances required by the building code, the drawings and specifications, manufacturer's instructions, and good building practice. Call the architect if discrepancies arise that require redesign.

6. **PSL beams** are Parallel Strand Lumber as manufactured by Truss-Joist Macmillan.

7. Miscellaneous **anchor bolts** for wood blocking, etc. to be A307.

8. **Miscellaneous wood** to be SPF #2.

9. **Plywood sheathing (roof):** to match existing.

10. **Fastener schedule:**

Mudsill (bottom plate) to concrete: anchor bolts	See spec. section on Foundation: Concrete and Reinforcing, Min. 2 anchor bolts per piece. and 8' o.c., or as shown on plan
Joist to sill or girder, toe nail	3-8d
Blocking to joists, end nail	2-16d
Plywood subfloor, glue & nail	8d @ 6" o.c.
Top and bottom plates to stud, end nail	2-16d
Horizontal wall blocking, end nail	2-16d
Corner and double studs, face nail	16d @ 16" o.c.
Double top plates, face nail	16d @ 16" o.c.
Top plates, laps and intersections, face nail	4-16d
Ceiling joists to beams, toe nail	2-16d
Blocking between joists, toe nail	2-16d each end, each block
Plywood roof sheathing face nail, galvanized	Match Existing
Plywood sheathing ,typ. wall	Boundary: 8d @ 4"
	Panel edge: 8d @ 6"
	Field: 8d @ 12"
Exterior trim	Stainless steel
Exterior siding	Stainless steel

H. Interior Framing

1. **Partitions:** 2 x 4 @ 16".

2. **GWB nailers:** Wood or steel stud backup is to be provided at all corners and edges of gypsum wallboard.

3. Provide **blocking** in wall for supporting millwork, shelving, and for toilet room fixtures such as lavatory, grab bars, towel bars, curtain rods and other accessories, closet rods, and any other wallhung objects or built-ins.

4. **See reflected ceiling plan** for soffits, access panel, and raised sections of ceiling.

I. Acoustical

1. Plywood subfloors are to be glued as well as nailed or screwed to prevent squeaking. Do not put glue in tongue-and-groove joints.

2. Pipes and penetrations are to be prevented from rubbing against the structure with plastic fittings or paper separator.

3. See Finishes for Acoustic Panel, Acoustic Tackboard, etc.

11. Miscellaneous Metal

1. Cold-Formed Metal Framing: To support GWB suspended ceilings: See Roof Envelope, above.

2. Avoid contact between different types of metals, especially where exposed to moisture or humidity.

3. Tie all structural members to each other to prevent uplift. Owner or architect should approve any visible connections. Provide metal strapping at beam to column connections in all hidden locations if the connection is not otherwise specified.

4. Aluminum surfaces in contact with concrete, mortar, or other masonry should be protected with an alkali-resistant coating, such as heavy-bodied bituminous paint or water-white methacrylate lacquer.

5. Aluminum in contact with wood or other absorbing materials that may repeatedly become wet should be painted with two coats of aluminum metal-and-masonry paint or a coat of heavy-bodied bituminous paint. Otherwise, the wood or other absorbing material should be painted with two coats of aluminum house paint and the joints sealed with a good quality caulking compound.

6. Steel angles for **brick shelf**.

7. **Structural steel tube** to be ASTM A500.

8. **Other structural steel** to be ASTM A36.

9. **Welding rods** to be E70XX.

10. **Concrete anchor bolts** to be Simpson Titen HD 5/8 X 4 threaded anchors, installed per the manufacturers instructions.

12. WINDOWS

1. All exterior glazing to be double glazed, factory-sealed with warm spacer.

2. Exterior Upper Windows at Front and Courtyard: Custom Wood Framing to match existing detail , with fixed insulating glass unit similar to abv.

3. Replace any existing window glass that, is broken, chipped, scratched, has broken seals, or is otherwise damaged.

4. Set exterior windows & sills in a continuous bed of **silicone sealant on a clean surface.**

5. Match head and sill height of existing nearby windows or doors unless otherwise noted. Window casing shall be MDF, using moisture resistant MDF at sills..

6. Ext. Aluminum Window Finishes are to be bronze anodized on the exterior, and mill-run on the interior.

7. Window interior finishes: are to be painted.

8. Safety Glazing: Comply with IBC 2406. eg: within 2' of a door, or greater than 9 sq. ft., or top edge above 36" AFF, glass must be Class II.

9. All exterior windows are to have **sun-control film** applied outside this contract, but mechanical systems should be designed assuming heat loads calculated assuming film with performance data equivalent to 3M Scotch Sun Control Window Film NV-35, with solar heat reduction 28%, heat loss reduction of 6%, Glare reduction 58%, UV blocked 99%. total solar energy rejected 50%.

   (1) Do not apply film to any window in which the glazing compound has hardened. Replace the glazing compound before applying the film.

   (2) Do not apply film to any window in which the glass is damaged, or laminated glass. Replace the glass first.

10. See interior shading device at Finishes / Window Dressings

11. Provide all operable windows with operating hardware, locks, insect screens, and required manufacturers trim.

12. Skylights: Velux individual units per drawings. Skylights shall meet the general requirements of the 2003 IBC and the IECC, and be Energy Star qualified.

   (1) Velux Model FS, laminated tempered glass. Downward load: 108-182 psf, Wind Uplift: 22-96 psf.

13. WINDOW SCHEDULE

CODE	LOCATION	TYPE	MATL.	GLASS	HEAD	SIZE	NOTES
1	Sales NW	Exstg Fixed	Frameless	Clear Insul	7'11" (Exstg)	44 x 22 (Approx.)	Field measure each opening before ordering glass, typ. Sales Area.
2	Sales NW	Exstg Fixed	Frameless	Clear Insul	7'11"	41 x 52 (Approx.)	
3	Sales NW	Exstg Fixed	Frameless	Clear Insul	7'11"	41 x 52 (Approx.)	
4	Sales NW	Exstg Fixed	Frameless	Clear Insul	7'11"	41 x 52 (Approx.)	
5	Chuck's Office	Replace existing panel with glass. Fixed	Frameless	Clear Insul	7'11"	41 x 52 (Approx.)	
6	Chuck's Office	Exstg Fixed	Frameless	Clear Insul	7'11"	41 x 52 (Approx.)	
7	Large Conf Rm						Deleted
8	Large Conf Rm						Deleted
9	Large Conf Rm	Slider	Bronze Alum.	Clear Insul	6'11"	47 x 48	
10	Large Conf Rm	Slider	Bronze Alum.	Clear Insul	6'11"	47 x 48	
11	Large Conf Rm	Slider	Bronze Alum.	Clear Insul	6'11"	47 x 48	
12	Large Conf Rm	Slider	Bronze Alum.	Clear Insul	6'11"	47 x 48	
13	Kitch	Slider	Bronze Alum.	Clear Insul	6'11"	47 x 48	
14	Kitch	Slider	Bronze Alum.	Clear Insul	6'11"	47 x 48	
15	Technical	Slider	Bronze Alum.	Clear Insul	6'11"	47 x 48	
16	Technical	Slider	Bronze Alum.	Clear Insul	6'11"	47 x 48	
17	Office 6	Slider	Bronze Alum.	Clear Insul	6'11"	47 x 48	
18	Delivery/Storage	Slider	Bronze Alum.	Clear Insul	6'11"	47 x 48	
19	Delivery/Storage						Deleted
20	Accounting Office	Slider	Bronze Alum.	Clear Insul	6'11"	47 x 48	
21	Office 5	Fixed	Frameless	Clear	----	43 x 42	Match existing openings on Addition SE side.

CODE	LOCATION	TYPE	MATL.	GLASS	HEAD	SIZE	NOTES
				Insul			
22	Office 5	Fixed	Frameless	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
23	Office 5	Fixed	Frameless	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
24	Office 5	Fixed	Frameless	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
25	Office 5	Fixed	Frameless	Clear Insul	----	Field Measure	Match windows at front of Office 5.
26	Waiting	Fixed	Aluminum or HM	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
27	Pres Office	Fixed	Aluminum or HM	Clear Insul	----	72 x 75 combined	27,28,57,(58) could be one combined unit Match existing openings on Addition SE side.
28	Pres Office	Fixed	Aluminum or HM	Clear Insul	----	----	See Window 27 Notes Match existing openings on Addition SE side.
29	Pres Office	Fixed		Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
30	Pres Office	Fixed	Frameless	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
31	Pres Office	Fixed	Frameless	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
32	Pres Office	Fixed	Frameless	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
33	Steve's Office	Fixed	Frameless	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
34	Steve's Office	Fixed	Frameless	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
35	Steve's Office	Fixed	Frameless	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
36	Gathering Space	Fixed	Frameless	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
37	Gathering Space	Fixed	Frameless	Clear Insul	----	43 x 42	Match existing openings on Addition SE side.
38	Computer Rm Hall	Fixed	Bronze Aluminum	Clear Insul	7'9"	43 x 30	Field measure for max size available, 10" abv. fin. grade.
39	Customer Sales SE	Fixed	Bronze Aluminum	Clear Insul	7'9"	43 x 30	See Win38 notes
40	Customer Sales SE	Fixed	Bronze Aluminum	Clear Insul	7'9"	43 x 30	See Win38 notes
41	Customer Sales SE	Fixed	Bronze Aluminum	Clear Insul	7'9"	43 x 30	See Win38 notes
42	Customer Sales SE	Fixed	Bronze Aluminum	Clear Insul	7'9"	43 x 30	See Win38 notes
43	Customer Sales SE	Fixed	Bronze	Clear	7'9"	43 x 30	See Win38 notes

CODE	LOCATION	TYPE	MATL.	GLASS	HEAD	SIZE	NOTES
			Aluminum	Insul			
44	Customer Sales SE	Fixed	Bronze Aluminum	Clear Insul	7'9"	43 x 30	See Win38 notes
45	Customer Sales SE	Fixed	Bronze Aluminum	Clear Insul	7'9"	43 x 30	See Win38 notes
46	Customer Sales SE	Fixed	Bronze Aluminum	Clear Insul	7'9"	43 x 30	See Win38 notes
47	Customer Sales SE	Fixed	Bronze Aluminum	Clear Insul	7'9"	43 x 30	See Win38 notes
48	Customer Sales SW	Fixed	Bronze Aluminum	Clear Insul	7'9"	43 x 30	See Win38 notes
49	Customer Sales SW	Fixed	Bronze Aluminum	Clear Insul	7'9"	43 x 30	See Win38 notes
50	Customer Sales SW						Deleted
51	Customer Sales SW						Deleted
52	Mech Room SW	Exstg	___	___	----	Existing	No change
53	Upper Win Office 5						Deleted
54	Upper Win Waiting	Fixed	Bronze Alum.	Clear Insul	----	43 x 68	Match existing openings on Addition SE side.
55	Upper Win Front Door	Fixed	Bronze Alum.	Clear Insul	154.5" approx.	100" x 72" approx Match width of front doors.	Could be combined unit with 56 and/or with doors. Match existing openings on Addition SE side
56	Upper Win Front Door	Fixed	Bronze Alum.	Clear Insul	154.5" approx.	100" x 72" approx Match width of front doors.	Could be combined unit with 55 and/or with doors. Match existing openings on Addition SE side
57	Upper Win President	Fixed	Frameless	Clear Insul	----		Match existing openings on Addition SE side
58	Upper Win President	Fixed	Frameless	Clear Insul	----		Deleted
59	Upper Win President	Fixed	Frameless	Clear Insul	----		Match existing openings on Addition SE side
60	Upper Win President	Fixed	Frameless	Clear Insul	----		Match existing openings on Addition SE side
61	Upper Win President	Fixed	Frameless	Clear Insul	----		Match existing openings on Addition SE side
62	Upper Win President	Fixed	Frameless	Clear Insul	----		Match existing openings on Addition SE side
63	Upper Win Steve	Fixed	Frameless	Clear Insul	----		Match existing openings on Addition SE side
64	Upper Win Steve	Fixed	Frameless	Clear Insul	----		Match existing openings on Addition SE side
65	Upper Win Steve	Fixed	Frameless	Clear Insul	----		Match existing openings on Addition SE side

CODE	LOCATION	TYPE	MATL.	GLASS	HEAD	SIZE	NOTES
66	Upper Win Gathering	Fixed	Frameless	Clear Insul	----		Match existing openings on Addition SE side
67	Upper Win Gathering	Fixed	Frameless	Clear Insul	----		Match existing openings on Addition SE side
68	Interior Chuck's Office	fixed	Wd Frmed	Single	6'-8"	24" x 36"	
69	Interior Chuck's Office	fixed	Wd Frmed	Single	6'-8"	24" x 36"	Either custom wood framed in place, or HM
70	Interior Small Conf.	fixed	Wd Frmed	Insul	6'-8"	43" x 42"	
71	Interior Small Conf.	fixed	Wd Frmed	Insul.	6'-8"	43" x 42"	Insul Glass for acoustical privacy
72	Interior Small Conf.	fixed	Wd Frmed	Insul.	6'-8"	36" x 42"	
73	Interior Large Conf.	fixed	Wd Frmed	Insul.	12'-1"	24" x 42"	
74	Interior Large Conf.	fixed	Wd Frmed	Insul.	12'-1"	24" x 42"	Head 6" below "ceiling stripe"
75	Interior Large Conf.	fixed	Wd Frmed	Insul.	12'-1"	24" x 42"	Head 6" below "ceiling stripe"
76	Interior Large Conf.	fixed	Wd Frmed	Insul.	12'-1"	24" x 42"	Head 6" below "ceiling stripe"
77	Interior Large Conf.	fixed	Wd Frmed	Insul.	12'-1"	24" x 42"	Head 6" below "ceiling stripe"
78	Interior Large Conf.	fixed	Wd Frmed	Insul.	12'-1"	24" x 42"	Head 6" below "ceiling stripe"
79	Interior Kitchen	---	---	---	---	---	Deleted
79	Finance/Accntg Off.3	fixed	Wd Frmed	Single	6'-8"	12" x 42"	
80	Interior Office 6	fixed	Wd Frmed	Single	6'-8"	24" x 36"	Either custom wood framed in place, or HM
81	Interior Office 5	fixed	Wd Frmed	Single	6'-8"	36" x 36"	Either custom wood framed in place, or HM
82	Int. Low Pres Office	fixed	Wd Frmed	Single	6'-8"	60 x 36"	Either custom wood framed in place, or HM
83	Int. Low Pres Office	fixed	Wd Frmed	Single	6'-8"	36" x 36"	Either custom wood framed in place, or HM
84	Int. Low Steve Office	fixed	Wd Frmed	Single	6'-8"	36" x 36"	Either custom wood framed in place, or HM
85	Int. High Pres Office	fixed	Wd Frmed	Single	9'-8"	48" x 22"	Either custom wood framed in place, or HM
86	Int. High Pres Office	fixed	Wd Frmed	Single	9-'8"	48" x 22"	Either custom wood framed in place, or HM
87	Deleted						
88	Int. High Steve's Office	fixed	Wd Frmed	Single	9'8"	64" x 22"	Either custom wood framed in place, or HM
89	Int. High Steve's Office	fixed	Wd Frmed	Single	9'8"	36" x 68	Match sill of Windows on Addition SE Wall Match head of clerestory windows in hall.
90	Reception Skylights	fixed	Mill-finish Alum.	Insul			Unit skylights: 4 @ 2 x2' plus 2 @ 2'x4' nom. See skylight details.
91	Entry Skylights	fixed	Mill-finish Alum.	Single Tempered or Safety-glass.			Unit skylights: 3 @ 2 x6' nom. See skylight details at roof sections.

14. DOORS

1. **Exterior Front Entry Door:** Bronze Aluminum.
2. **Exterior Full Glass Doors:** Steel Insulating Door, Painted
3. **Exterior Door, no glass:** Steel Insulating Flush Door, Painted.
4. **Interior Doors, full glass:** Solid Wood, paint-grade birch, painted. Office Doors may be best Residential Grade. Other doors, (more traffic): Commercial Grade.
5. **Interior Doors, no glass:** Solid Core Wood, paint-grade birch, Commercial grade, painted
6. **Toilet Rm Cabinet Doors:** ¾" MDF, edges rounded.
7. Wood Doors and frames are to be finished as soon as they are delivered and stable temperature achieved.
8. Use manufacturer's recommended rough opening.
9. All exterior door glazing to be clear double glazed with sun control film as specified above by owner.
10. Typ. Exterior Threshold: Adjustable aluminum, Thermally broken.
11. Typ Interior Threshold: Oak, natural finish.
12. **Typ Door Frame:** Hollow Metal, knockdown.
13. Interior finishes all aluminum, stainless, or brushed chrome appearance. Use metallic paint where the finish is not a silver-colored metal.

Door Schedule

EXTERIOR

Code	Location	Operation	Type.	Size	Glazing	Glass size	Int. Fin.	Ext Fin.	Notes
AA	Alley to Patio	Existing		3'0" x 6'8"?	Exstg	Full	re-paint ?	exstg.	
BB	Sales to Patio								Deleted
CC	Small Conf	Swing with fixed glass to imitate door.		6068	Insul	Full	Paint	Paint	
DD	Delivery Door	Swing		3068	half	none	Paint	Paint	
EE	LowerLevel Front Entry	Swing door with fixed glass to imitate door.		8068	Insul	Full	Paint	Paint	

Code	Location	Operation	Type.	Size	Glazing	Glass size	Int. Fin.	Ext Fin.	Notes
AA	Alley to Patio	Existing		3'0" x 6'8"?	Exstg	Full	re-paint ?	exstg.	
FF	UpperLevel Front Entry	Existing		----	----	----	----	----	No change
GG	Upper Level Second Exit	Existing		----	----	----	----	----	No change
HH	Storage/ Delivery								DELETED

INTERIOR

Code	Location	Type	Manuf.	Size	Glazing	Glass size	Int. Fin.	Ext Fin.	Notes
A	Alley to WisePrintng	Existing	----	----	----	----	Paint	Paint	
B	Sales to Alley	Don't move	----	3'0" x 6'8"?	Full	Full	paint	paint	
C	Sales to Exit Stairs	Existing	----	3'0" x 6'8"?	Exstg	Vert. slot	paint	paint	
D	Mech Rm. SW	Existing	----	3'0" x 6'8"?	Exstg	None	paint	paint	
E	Accounting Supplies	Swing		3068	None	None	paint	paint	
F	Mech Rm SE	Existing Moved		3'0" x 6'8"?	None	None	paint	paint	1-hour fire-rated.
G	Computer Rm	Swing		3068	Single	Full	paint	paint	
H	Chuck's Office (4)	Swing		3068	Single	Full	paint	paint	
I	Sales Closet	Swing		2868	None	None	paint	paint	
J	Small Conf.	Swing		3068	Insul	Full	paint	paint	
K	Lge Conf.	Swing Bipart Double		6068	Insul	Full	paint	paint	
L	Furniture Storage	Swing		3068	None	None	paint	paint	1-hour fire-rated.
L'	Furniture Storage	Swing		3068	None	None	paint	paint	1-hour fire-rated.
M	Kitchen	Swing		3068	Single	Full	paint	paint	
N	Men's Rm	Swing		3068	None	None	Paint	paint	
N'	Women's Rm	Swing		3068	None	None	Paint	paint	
O	Men's Rm Closet	Cabinet Door		1458	None	None	Paint	Paint	
O'	Women's Rm Closet	Cabinet Door		1458	None	None	Paint	Paint	
P	Men's WC	Swing		3068	None	None	Paint	Paint	

Code	Location	Type	Manuf.	Size	Glazing	Glass size	Int. Fin.	Ext Fin.	Notes
P'	Women's WC	Swing		3068	None	None	Paint	Paint	
Q	Women's WC	Swing		3068	None	None	Paint	Paint	
R	Steve's Office (2)	Swing		3068	Single	Full	paint	paint	
S	President's Office (1)	Swing		3068	Single	Full	paint	paint	
T	Office (5)	Swing		3068	Single	Full	paint	paint	
U	Coat Clo	Swing Bipart Double		4068	None	None	paint	paint	
V	Accounting Office (3)	Swing		3068	Single	Half	paint	paint	
W	Employee Hall	Swing		3068	Single	Full	paint	paint	Translucent glass?
X	Office (6)	Swing		3068	Single	Full	paint	paint	
Y	Shower	Swing		3068	None	None	Paint	Paint	
Z	Deliver/Stor	Swing		3068	None	None	Paint	Paint	1-hour fire-rated.

Door Hardware Schedule

Code	Location	Lockset / Pull	Dead-bolt	hinges	closer	door stop	wthr-strp	Kick/ Push	Notes
AA	Alley to Patio	Existing, no change	—	—	—	—	—	—	If it is not compliant with code, it must be upgraded, typ.
BB	Sales to Patio	Exit Lock	yes	3	yes	no	yes	kickplate	
CC	Small Conf	Emergency Exit Lock	no	3	yes	no	yes	kickplate	
DD	Delivery Door	Emergency Exit Lock	no	3	yes	no	yes	kickplate	
EE	LowerLevel Front Entry	Exit Lock	yes	3	yes	no	yes	no	
FF	Upper Level Front Entry	Existing, no change	—	—	—	—	—	—	
GG	Upper Level Second Exit	Existing, no change	—	—	—	—	—	—	
A	Alley to WisePrintng	Existing, no change	—	—	—	—	—	—	
B	Sales to Alley	Existing, no change	—	—	—	—	—	—	Existing door is re-used, moved.
C	Sales to Exit Stairs	Existing, no change	—	—	—	—	—	—	

Code	Location	Lockset / Pull	Dead-bolt	hinges	closer	door stop	wthr-strp	Kick/ Push	Notes
D	Mech Rm. SW	Existing, no change	—	—	—	—	—	—	
E	Accounting Supplies	Passage Latch	no	3	no	on wall	no	no	
F	Mech Rm SE	Passage Latch	no	3	no	no	no	no	Panic Hardware and closer
G	Computer Rm	Entrance lock	no	3	no	on wall	no	no	
H	Chuck's Office (4)	Passage Latch	no	3	no	on wall	no	no	
I	Sales Closet	Dummy trim	no	3	no	on wall	no	no	Magnetic latch
J	Small Conf.	Passage Latch	no	3	no	on wall	no	no	
K	Lge Conf.	Passage Latch	no	3	no	no	yes	no	No door stop in contract. Owner may add hold-open hardware later if required. Panic Hardware and closer
L	Furniture Storage	Passage Latch	no	3	no	on wall	no	no	Panic Hardware and closer
L'	Furniture Storage	Passage Latch	no	3	no	on wall	no	no	Panic Hardware and closer
M	Kitchen	Passage Latch	no	3	no	on floor	no	kickplate	
N	Men's Rm	Passage Latch	no	3	yes	on wall	no	kickplate	
N'	Women's Rm	Passage Latch	no	3	yes	on wall	no	kickplate	
O	Men's Rm Closet	pull	no	3	no	no	no	no	Magnetic latch
O'	Women's Rm Closet	pull	no	3	no	no	no	no	Magnetic latch
P	Men's WC	privacy lock	no	3	no	wall bumper	no	no	
P'	Women's WC	privacy lock	no	3	no	wall bumper	no	no	
Q	Women's WC	privacy lock	no	3	no	wall bumper	no	no	
R	Steve's Office (2)	Passage Latch	no	3	no	on wall	no	no	
S	President's Office (1)	Passage Latch	no	3	no	on wall	no	no	
T	Office (5)	Passage Latch	no	3	no	on wall	no	no	
U	Coat Clo	Single dummy each door	no	3	no	no	no	no	Magnetic latch
V	Accounting Office (3)	privacy lock	no	3	no	wall bumper	no	no	
W	Employee Hall	Passage Latch	no	3	no	floor	no	kickplate	
X	Office (6)	Passage Latch	no	3	no	wall bumper	no	no	

Code	Location	Lockset / Pull	Dead-bolt	hinges	closer	door stop	wthr-strp	Kick/ Push	Notes
Y	Shower	privacy lock	no	3	no	wall bumper	no	no	Weatherstrip sides and bottom.
Z	Deliver/Stor	Passage Latch	no	3	no	wall bumper	no	kickplate	

14. Door Hardware Notes:

a) Standard Duty Commercial grade except at exterior front door EE and employee entrance doors DD and HH, where heavy duty lever handles shall be used.

b) ADA compliant, lever handles everywhere.

c) Brushed chrome finish

d) Hinges: dull brass, 5-knuckle, non-rising pins, full mortised, 3-pair per door.

e) Contractor shall submit a Door hardware schedule prepared by an experienced hardware supplier or consultant for the Owner's approval.

f) Keying:

(1) All exterior doors to be keyed alike.

(2) Provide owner with 4 keys.

g) **Door stops**

(1) Provide wall stops in preference to floor stops wherever possible.

(2) Wall stops below windows shall be the type that projects from the wall face on a stem.

(3) Contractor to provide wood blocking behind the GWB at wall stop locations.

h) Kick plates:

(1) Use wherever a closer is used.

(2) On push-side of door only.

(3) Use armor plates at loading area doors: DD, HH, and Z.

i) Door Closers:

(1) Use on all exterior doors.

(2) Locate closer on interior side of door to prevent freezing of hydraulic fluid.

(3) Silencers::Provide silencers at all hollow metal frames.

15. MILLWORK:

A. Exterior door and window trim: Match existing.

B. Interior door and window trim: Painted MDF.

C. Interior window sills moisture-resistant MDF, sealed before painting, or Medex, (a weatherproof MDF board) Paint-grade. Bullnose front edge.

D. Display boards around Toilet Rooms and Conference rooms

1. Textured tack board : DELETED

   a) Must comply with IBC 803.

   b) Class A and non-combustible materials only, no textiles are permitted.

E. Large Conference Room Acoustic Panel Trim: DELETED

F. Sales Storage closet:

1. Provide 5 adjustable white plastic laminate shelves with cut ends painted to match.

G. Toilet Room Cabinets

1. Built-in between studs,
2. Lined with white Melamine.
3. Bottom 12" abv. fin. fl.. Head hgt: match door heads.
4. Adjustable white melamine shelves, edge banded.
5. Recessed shelf standards. ⌧
6. Trim door with typ. 2" wide door trim, painted the same as the door trim.

H. Coat Closet

1. Provide a **closet rod** of Douglas Fir, 1 3/8" diam., with plastic sockets at each end and Stanley 7040 steel bracket at center of all poles 48" or longer, and a pine. shelf above the rod.

I. Shower Room Seat

1. Custom Corner Seat: Smooth-sanded, nat. finish redwood. Ledger support: open under.

I. Shower Room Seat

1. Custom Corner Seat: Smooth-sanded, nat. finish redwood. Ledger support: open under.

J. Millwork notes:

1. Provide samples of all millwork pieces for selection by the Owner. ⌫

2. Fabricate only from shop drawings which have been reviewed by the Architect for compatibility with the overall design concept and approved by the Owner. Before submitting shop drawings to the Owner or Architect, the GC shall indicate, by stamp or signature, his approval of the shop drawings to conform with his responsibilities, including method, sequence of construction, safety, quality, durability, and coordination with other work. Any variation in design from the Contract Documents must be specifically called out as a change.

3. Formaldehyde Low-emitting standards: ANSI 208.1-1999 for particle board and ANSI 208.2-2002 for MDF. CPA Grademark label is a more stringent certification standard.

4. Particle board in closets should meet M2 (physical property) standards with a density of 45 lbs/ cu.ft.

5. See also: Finishes, Interior.

K. Cabinets/ Countertops

1. **Cabinets/ Countertops Schedule:**

Room name	Counter-top Mat'l	Base Cabs.	Up. Cabs.	Drawers	Shelves	Open under	File cabs.				Notes
Kitchen	Granite	no	yes	no	upcab	yes	no				
Toilet Rms.	no	no	Built-in full hgt.	no	yes	no	no				

2. Countertops:

a) Shall be fabricated by an experienced specialist in handling and invisibly joining these materials.

b) Material: Granite. thickness of bullnose: 1 ¼" Hgt. of countertop. 34" AFF: Apron height 27"AFF. backsplash material: ¾" Granite, 4" high at back and sides. Support front edge of granite with steel C-channel, enamel painted

16. FINISHES:

A. Demolition:

1. Wherever demolition work is required, unless the finish is otherwise specified, the area should be repaired and finished smooth and level matching the remaining existing walls and floor. Replace damaged ceiling tiles with matching tiles. Provide granite sample for owner's approval. ⌫

B. Carpet:

1. **Main Carpet**: Mannington Commercial Carpet; Style: Means; Color: Legislation. 12' wide Broadloom, adhered to underlayment. All new carpet is this style and color unless walk-off carpet has been designated.

2. **Weatherproof Walk-off Carpet**: Abbey Indoor / Outdoor Carpet,-Gramercy Way, Flannel color.

3. In exit access rooms or corridors Class II in accordance with NFPA 253.

4. In all other areas, the interior floor finish shall comply with the DOC FF-1 "pill test" (CPSC 16 CFR, Part 1630).

5. The concrete slab should not have a moisture content of more than 5.5%, and the relative humidity of the subfloor must NOT exceed 75%. Slab should be clean and mildew-free.

6. Moisture barrier: 6 mil polyethylene over tested dry concrete set in Cut back asphalt mastic with 100% coverage, lapped 4"-6" and sealed. Roll out to remove any air pockets. Poly should extend up the wall behind the baseboard.

7. Plywood Underlayment: 3/8" thick C-D grade interior-use plywood, installed C-side up, sanded. Adhered with mastic over the moisture barrier. Fasten plywood with concrete nails or power activated fasteners @ 6" o.c. Sink the nails or staples at least 3/16 inch below the surface. Sand the joints level and fill all joints and nail holes with a floor patch material.

C. Vinyl Composition Tile (VCT)

1. 1/8" thick 12" x 12" tiles equal to Congoleum Class 2. Style: Alternatives; Color: AL-37 Putty / Clay / Sienna.

D. Vinyl Baseboard

1. **Vinyl 4" tall coved.** ☒ Johnsonite 1/8" thick. Color: 29 Moon Rock.

   a) .Min. density 20 pcf.

   b) Flame spread index less than 75 per ASTM E 84.

   c) The same color vinyl base is used wherever there is carpet.

E. Fabrics:

1. Fabrics, including carpet and vinyl are not permitted at all as wall and ceiling coverings or finishes in unsprinklered buildings.

F. Tackboard

1. Min. 1/8" thick natural corkboard fully adhered to Homosote PINnacle tackboard or mineral-fiber tackboard, Class A fire resistant .

2. **Tackboard edge trim**: ¼" to 3/8" thick mitered wood frame, eased edges, painted to match wall finish.

G. Acoustic Panel

1. Approx. 2" thick Coefficient of absorption approx 0.8 at 500 Hz. or 1" mounted on furring strips if equivalent absorption. DELETED.

H. Accessible Floor

1. Leave accessible floor system in place for possible future use.
2. Screw with a spot of acoustical sealant any of the metal panels that move or make a noise.
3. Cover metal panel system with tongue-and groove subflooring before carpeting.

I. GWB

1. At walls:, finish texture: smooth. 5/8" GWB; except over existing GWB it my be ½".
2. Concrete backerboard behind any Ceramic tile subject to moist conditions.
3. GWB at ceilings: 5/8" thick finish texture: smooth
4. **GWB edges:** provide grounds or J-molds where edges are exposed or not covered by trim. Metal corner beads for outside corners: tape or caulk inside corners.
5. Moisture resistant GWB:
   a) Use at bathrooms and shower room walls.
   b) Ceiling framing max. 12" o.c. for ½" MR GWB. 16" o.c. for 5/8" MR GWB.
   c) Attach drywall horizontally to the framing on walls and perpendicular to the ceiling joists.
   d) Drywall screw fasteners 12" o.c. max. If installing heavy tiles, space fasteners at 8" o.c.
   e) Hold MR GWB ¼" away from any fixture. Use paper-bound beveled edge where possible in this position.
   f) If occasional moisture will be present, coat all cut edges, holes, and plumbing cut-outs with a water-resistant tile adhesive or waterproof caulk. Especially coat the MR GWB where it meets the shower.
   g) Do not install MR GWB over a vapor retarder if it will be tiled or finished with an impermeable paint or covering. Apply MR only directly to wood or steel studs, or to a base layer of MR GWB, not over regular GWB, or other plaster or painted surfaces. If remodeling, strip the walls to attach MR directly to framing.
   h) Do not treat joints with regular tape and joint compound, (which is water-soluble) under tile or impermeable wall covering. Seal joints and fasteners with an approved waterproof flexible sealant or tile adhesive.
   i) Use water resistant tile adhesive for attaching tile.

j) Tile grout must be non-porous if exposed to occasional moisture. Seal the grout, and reseal occasionally.

k) Do not use MR GWB in areas subject to frequent moisture or high humidity: showers, saunas, damp basements. Use cement board or gypsum-core tile backerboard designed for wet areas.

l) Keep all edges of tile sealed with a waterproof and flexible caulk. Similarly, seal the top edge of fiberglass tub-shower units, and around any fixtures.

J. Ceramic or Stone Tile

1. To avoid adhesion failure common to **water-based adhesives**:

a) Provide adequate airflow or room dehumidification.

b) Avoid the use of propane or other carbon-based fuel heaters emitting CO_2 and water into the construction space.

c) Air temp should be 65 to 75 degrees F, and the relative humidity should be between 45 and 55%. The air temperature should not exceed the temperature of the concrete. Do not install unless the air and the concrete surface are within 5 degrees of the dewpoint, relative to the ambient room temperature, unless the manufacturer agrees in writing.)

2. **Substrate**:

a) Follow Tile Council of America recommendations.

b) Check while installing for level finished surfaces.

c) Backerboard method:

(1) Walls: .Attach concrete backerboard with alkali resistant large-head fasteners, such as self-tapping screws. Do not countersink fasteners or break the face. 1 ½" galvanized roofing nails may be used except on ceilings. Leave a gap of 1/8" to 3/16" between panels and at corners. Pack the gaps with latex-modified thin-set mortar and embed 2-inch alkali-resistant fiberglass tape.

(a) Alternate: Glass Mat Water-Resistant Gypsum Backerboard (e.g. Dens-Shield). See tile Council of America recommendations. A vapor barrier is not required with this type of board.

(b) See manufacturer's recommended detail for bottom of board at shower. Boards must be installed after the mud-bed floor and installed with a gap above the mudbed that is filled with a sealant to prevent moisture from wicking up into the board.

d) Gypsum wallboard or wood substrates are unacceptable for exterior or wet interior locations. Use wood only in dry locations where deflection does not exceed L/360 for ceramic tile or L/720 for stone, and where perfect flatness is not required.

3. **Ceramic Tile:**

   a) American Olean Cotto Francese Floor tile; Color: CF01-Crème Size: 13"x13" with 3" x 13" bullnose at exposed edges and baseboard in all places where ceramic tile is specified.

   b) Rub down any cut tile edges.

   c) Use only tiles free of defects, clean tile surfaces.

   d) Ceramic tile mortar: acrylic-modified cementitious.

   e) Consistent and narrow grout-joint width.

4. **Grout:**

   a) Mapei Keracolor S: Polymer modified, sanded grout. high strength, with mildewcide.

   b) Color: 39 Ivory.

   c) Do not pack grout to the edge of the room or countertop. At floors allow ¼" joint to be filled with a backer rod and caulk or covered by wallbase or trim. If the installation is in a sunny location, provide movement joints at 12' max. intervals At countertop front edge, allow 1/8" joint.

   d) **Damp cure** with Kraft paper, not plastic sheeting.

   e) **Seal grout joints.**

5. **Acid cleaning:** If required, wait 10 days after the complete grouting of the installation before using sulfamic acid, not muriatic acid, to remove cementitious debris, like grout, thin-set, and cement residues or efflorescence.

6. Use a **caulk** containing mildewcide at transitions between Ceramic tile and other materials.

K. Acoustic Tile Ceilings

1. Install per manufacturer's recommendations, and in accordance with the provisions of ASTM C 635, ASTM C 636, and IBC Chapter 7

2. ACT Ceilings In Mechanical Rooms shall be 1-hour fire-rated, with non-combustible hangers and assembly members.

L. Misc. Wall and ceiling finish materials other than fabrics:

1. Fire Rating requirements must comply with IBC Chapter 8.

   a) Reception, Gathering, Sales, and exit passageways require Class B fire-rated materials, except that the Reception (Lobby) may have not more than 1000 sq. ft. of Class C paneling where applied directly to a noncombustible base and fireblocked as required by Item 3 above and IBC Section 803.4.

   b) All other rooms and enclosed spaces may have Class C fire-rated finishes.

2. Finish materials must not readily become detached when subjected to room temperatures of 200 degrees F for thirty minutes.

3. If finish materials are furred out from the wall greater than 1.75", the space must be fireblocked at 8 ft either direction or filled with inorganic or Class A material.

4. Any interior wall or ceiling finish that is less than ¼" thick must be applied directly against a noncombustible backing unless it is Class A fire-rated, or part of a tested assembly.

M. Granite Countertop in Kitchen:

1. Caledonia 1 ¼" thick.

2. 2-level countertop, ADA compliant.

3. 2" matching granite backsplash and sidesplash on low countertop.

4. Ceramic backsplash: see drawings.

5. Stainless steel drop-in sink.

N. Window dressings:

1. Shades, blinds or drapes, etc. to be provided by owner: Smith and Noble Vertical Blinds (Reflect more light and transmit less light than Horiz. shades.)_____

O. Paint and Clear finishes: Provide samples of each finish for Owner's approval ☒

1. **Exterior:**

   a) Opaque Stain or paint to match existing and water repellent,

2. **Interior:**

   (1) Multispec fine fleck. Alabaster 861002 All painted ceilings, plus walls listed in Room Finish Schedule.

   (2) Wall Paint: Martin Seymour; Water based Satin/Semi Gloss or Eggshell as noted in Finish schedule. Surface prepared and primed per manufacturer's instructions.

   (3) Kitchen & Bath Paint: Mold and Mildew resistant satin/semi gloss. To be used on walls in Kitchen, Bathrooms, Bathroom Stalls, Bathroom closets, and Shower walls and ceilings,

   (4) Flat White Ceiling Paint: Projection Wall in Large Conference Room

   (5) Closets (other than in bathrooms): Accounting Office Supplies, Sales Closet, Furniture Storage, and Coat Closet walls are to receive Satin-Semi-gloss paint.

   (6) Over existing paint: scuff-sand and clean. Over new GWB: prime with latex wall primer. Over stripped wallpaper: prime with alkyd undercoat.

(7) Contractor is responsible to remove any unwanted paint spots, drips, or overspray.

(8) All **wood trim** including, but not limited wood door and window frames and casings, wood window sills to be primed and painted with **Metallic Silver** acrylic paint to match painted metal door and window frames.

(9) **Interior metal frames** to be painted the same as the wood trim: **Metallic Silver** acrylic paint: Benjamin Moore Metallix

(a) Primer coat:_____

(b) First coat: Semi-gloss _____

(c) Metallic coat, sponged, rolled, or stippled. Sample boards on site will be required.

(d) Protective Clear-coat: Waterborne Polyurethane, satin/medium gloss. *Benwood Stays Clear acrylic polyurethane High Gloss 428.*

(e) Allow finish to cure 3 weeks before washing.

(10)**Walls**: Prime and paint as many coats as required for opaque, even coverage.

(11)**Doors:** Factory primed. Satin/Semi-gloss, paint color to match the baseboard color.

(12)Leave at least 1 quart of each interior color of paint for owner to provide **future touch-up**.

P. Finish Schedule

ROOM	WALLS		CEILING		FLOOR			NOTES
	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	BASE	
Alley	Exstg GWB	Paint: Dor-mouse Egg-shell	Existing Acoustic Tile	___	Carpet	___	Existing Vinyl	
Sales	Repair/ Replace GWB	Multi-Spec-Alabas-ter	Acoustic Tile	___	Carpet	___	New Vinyl	GWB Soffits
Mech Rm SW	Exstg Patch and seal	None	None	___	Exstg Patch and seal	___	None	1-Hour Fire Separation
Mech Rm SE	Exstg Patch and seal	None	None	___	Exstg Patch and seal	___	None	1-Hour Fire Separation
Chuck's Office (4)	GWB	Egg-shell Paint: Clay Beads	Acoustic Tile	Multi-Spec-Alabas-ter	Carpet	___	Vinyl	

ROOM	WALLS		CEILING		FLOOR			NOTES
	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	BASE	
Acntng Office Supplies	GWB	Satin Paint: Dor-mouse	Acoustic Tile	Multi-Spec-Alabas-ter	VCT	—	Vinyl	
Sales Closet	GWB	Satin Paint: Dor-mouse	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
Computer Rm	GWB	Egg-shell Paint: Dor-mouse	Acoustic Tile	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
Small Conf. Rm.	GWB	Multi-Spec-Alabas-ter	GWB	Multi-Spec-Alabas-ter	Walk-off Carpet	— —	Vinyl	
Lge Conf Rm.	GWB	Multi-Spec-Alabas-ter	GWB (2" Acoustic Panel DELET-ED	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	Flat White paint at projection wall.
Furniture Storage	GWB	Satin Paint Dor-mouse	Acoustic Tile	—	VCT	—	Vinyl	1-Hour Fire Separation
Existing Stairs	GWB	Multi-Spec-Alabas-ter	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
Gathering Space	GWB Acoustic	Multi-Spec-Alabas-ter	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	Projection Wall to receive flat white paint
President's Hall	GWB Acoustic	Multi-Spec-Alabas-ter	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
Kitchen Hall	GWB	Multi-Spec-Alabas-ter	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
Exstg Stairwell	Brick/ GWB	Multi-Spec-Alabas-ter	Exstg, No change	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	

ROOM	WALLS		CEILING		FLOOR			NOTES
	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	BASE	
Men's Rm	GWB	Satin Dor-mouse Wains-cot,	GWB	Multi-Spec-Alabas-ter	Ceramic Tile	—	Ceramic Tile	Multi-Spec- Alabas-ter Upper Walls Silver Trim
Women's Rm	GWB	Satin Dor-mouse Wains-cot,	GWB	Multi-Spec-Alabas-ter	Ceramic Tile	—	Ceramic Tile	Multi-Spec- Alabas-ter Upper Walls Silver Trim
Men's Toilet Stall	GWB	Satin Dor-mouse Wains-cot,	GWB	Multi-Spec-Alabas-ter	Ceramic Tile	—	Ceramic Tile	Multi-Spec- Alabas-ter Upper Walls Silver Trim
Women's Toilet Stalls	GWB	Satin Dor-mouse Wains-cot,	GWB	Multi-Spec-Alabas-ter	Ceramic Tile	—	Ceramic Tile	Multi-Spec- Alabas-ter Upper Walls Silver Trim
Men's and Women's Rm Closets	GWB	Satin Dor-mouse	GWB	Satin Dor-mouse	GWB	Semi-gloss Paint	None	
Outside perimeter of Toilet Rms.	½" Tackbd DELET'D	Multi-Spec-Alabas-ter	See particular room.				Vinyl	
Kitchen	GWB	Satin Clay Beads	ACT	—	Ceramic Tile	—	Ceramic Tile	
Technical	2" Acoustic Wall Panel DELET'D GWB	Multi-Spec-Alabas-ter	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
Office (6)	GWB	Egg-shell Paint: Dor-mouse	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	

ROOM	WALLS		CEILING		FLOOR			NOTES
	MAT'L	FINISH	MAT'L	FINISH	MAT'L	FINISH	BASE	
Reception	GWB Upper wall: 2" Acoustic Panel DELET'D	Multi-Spec-Alabas-ter	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
Shower Room	MR GWB	Paint: Satin Dor-mouse	GWB	Paint: Satin Ceiling White	Ceramic Tile	—	Ceramic Tile	Kitchen and Bath Paint
Employee Hall	GWB	Paint: Egg-shell Dor-mouse	GWB	Multi-Spec-Alabas-ter	Walk-off Carpet	—	Vinyl	
Delivery/ Storage	GWB	Paint; Eggshll Dor-mouse	Acoustic Tile	—	VCT	—	Vinyl	1-hour fire separation
Accounting Office (3)	GWB	Paint; Eggshll Clay Beads	ACT	—	Carpet	—	Vinyl	
Coat Clo	GWB	Paint; Eggshll Dor-mouse	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
Waiting	GWB	Multi-Spec-Alabas-ter	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
Office (5)	GWB	Egg-shell Paint: Dor-mouse	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
President's Office	GWB	Paint; Eggshll Willow Gray	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
Steve's Office	GWB	Paint; Eggshll Dry Pasture	GWB	Multi-Spec-Alabas-ter	Carpet	—	Vinyl	
Recessed Front Entry (Ext.)	Brick	—	Exterior GWB	Multi-Spec-Alabas-ter	Stamped Concrete	Stained, sealed	None	

17. KITCHEN APPLIANCES

APPLIANCE	TYPE	PROVIDED BY	SELECTED BY	MANUFACTURER	SIZE	COLOR	NOTES
REFRIGERATOR	Side-by-side	Owner	Owner		30"		Ice-maker
RANGE/ OVEN	None	----	----	----	----	----	----
Cooktop	None	----	----	----	----	----	----
Kit. MICROWAVE		Owner	Owner				
Garbage disp.	___	___	___	___	___	___	
DISHWASHER	Yes	Contractor----	Architect---	----	----	----	----
Recycling Bins		Owner	Owner				
Water Cooler		Owner	Owner				
Trash compactor	None	----	----	----	___	----	----

1. Dishwasher: Bosch Model number SHX46 White. Controls on top panel AVS3 – 50 dB Silence Rating.

   a) Water hose should be wrapped with insulation both for energy efficiency and for noise reduction.

18. MECHANICAL

A. Kitchen Plumbing: See approved plumbing submittal.

FIXTURE	TYPE	MANUFACTURER	UNIT/SIZE	FINISH	COLOR	NOTES
SINK	St. Steel Undermount		20" x22"	18 ga Satin	___	
FAUCET						
Soap Dispenser						
HOSE FAUCET						
Water Cooler						
Refrigerator Ice Maker?						None

B. Men's Room Plumbing

FIXTURE	TYPE	MANUFACTURER	UNIT/SIZE	MAT'L	COLOR	NOTES
LAVATORY	Wallhung					Accessible
FAUCET						Accessible
WC						Accessible
Urinal						

C. Women's Room Plumbing

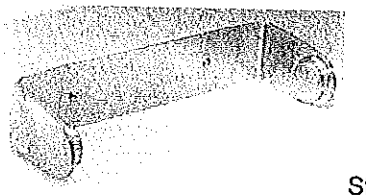
FIXTURE	TYPE	MANUFACTURER	UNIT/SIZE	MAT'L	COLOR	NOTES
LAV.						Accessible
FAUCET						Accessible
WC						Accessible
WC						

D. Shower Plumbing

FIXTURE	TYPE	MANUFACTURER	UNIT/SIZE	MAT'L	COLOR	NOTES
Wheelchair Accessible Shower unit						See below

E. **Toilet room accessories:** See enlarged plan of toilet rooms and Bathroom interior elevations

1. Paper towel dispensers and toilet paper holders to accommodate common rolls of paper towels and toilet paper. '



2. Paper Towel Dispenser: Stacks-Stacks-Paper-Towel-Holder ; Color: Brushed Stainless Size: 12" x 4 1/4" x 2 1/2" h 18/8 brushed stainless steel.

a) http://www.elise.com/store/B0000UZ6KO/Stainless_Steel_Paper_Towel_Holder-Wall_Mounted-Brushed_Stainless.html Price: $19.99

F. General Plumbing

1. See plans and specs by Johnson and Jordan.
2. Use only lead-free solder.
3. Copper supply, Type L
4. PVC drains, Schedule 40

5. Prevent Plumbing Noise:

   a) Put plastic spacers or paper between wood framing members and supply or waste pipes.

   b) Do not attach piping or plumbing fixtures directly to structure. Use rubber grommets where pipes penetrate walls, floors or ceilings. Wrap supply pipe with insulation foam and use pipe holdown straps around the foam jackets, no the bare pipe. Isolate pipes from structure by being careful not to drop construction scrap that would make an indirect connection that would transfer sounds.

   c) Tubs, toilets, and pedestals should go on a rubber pad or sheet rather than directly on floor or subfloor.

   d) Use metal drainpipes insulated with neoprene foam jacketing, rubber grommets at penetrations, and avoid touching the structure directly.

6. All fixtures are to be low-flow type.

7. Pipe insulation on all hot & cold water supply pipes: ½" preformed flexible foam with ID equal to OD of pipe, all corners mitered.

8. Existing cleanout in slab outside Women's Room: Leave accessible, covered with a circle of carpet or a flush cover.

9. Wheelchair Accessible Shower Unit: **ADA Transfer Shower**

   a) Lasco 3636 BFS (ADA/ANSI) One piece white acrylic. Best looking. Ext: 41" x 37" x 83.5" List $2603 Includes pressure balancing-mixing valve, hand-held shower with 234" slide bar, vacuum breaker and hose, L-shaped grab bar, and L-shaped fold-up seat, built-in soap dish, center drain, integral dome. http://rwco.com/showroom/fixtures/bathrooms/lasco/3636bfs.htm Base unit $869

   b) Provide 48" x 75" **Heavy Tape Weight Shower Curtain**

10. Plumbing Protection: HANDY-SHIELD Safety Covers for drain and supply lines in compliance with requirements of the ADA http://www.access-ability.com/bath4.html

G. Hose Bibbs: Provide freeze-protected hose bibbs. See locations on Site Plan.

19. HEATING: See also Plumbing Specs. and drawing and specifications by Johnson and Jordan.

1. Gas-fired warm air furnaces, air conditioning units, and distribution to be designed by a professional registered engineer.

2. Heating/cooling distribution plans by Johnson and Jordan to be reviewed by Architect for compliance with design concept.

20. ELECTRICAL: See also Appliances, Heating, and Mechanical Specs.

A. General:

1. See specifications by SMRT/ E.S. Boulos.
2. Provide at least one GFI outlet in each toilet room, and GFI receptacles in Kitchen and shower room.
3. Meter location: Use existing location.
4. Provide Bath exhaust in toilet rooms with separate switch, and with remote fan connected with flexible duct.
5. Provide a switched exhaust fan in the kitchen.
6. IECC 2003 (Bi-level switching and automatic light shut-off)

B. Lighting Fixture Schedule: See Lighting plans and specs by SMRT/ E.S. Boulos.

1. Re-use parabolic light fixtures from Existing Addition: move to Sales Area.

C. Fire Alarm System: See plans and specifications by SMRT/ E.S. Boulos

1. Comply with NFPA 72, Life Safety 101, and the NEC.

D. Misc. Electrical

1. **Cover plates**: Decora Style, white.
2. Provide **computer, telephone jacks, and equipment** to be selected and located by owner.

21. PEST CONTROL

1. Owner to call exterminator to arrange pest protection, especially from carpenter ants, as soon as insulation is installed. Contractor to coordinate with exterminator's work.
2. Completed building should have no openings, cracks, or cavities larger than 1/4" which are not sealed or covered with mouse-proof grating and insect screening. Seal all smaller openings or cracks with a long-lasting waterproof, flexible sealant.

22. COMPLETION

1. At the end of the work the Contractor shall provide the owner with copies of all shop drawings, product literature, and operating and maintenance data, and warranties, and a copy of the final working drawings with any as-built changes noted.

2. Cleanup: At end of work Contractor shall sweep all horizontal surfaces, and clean, (but not polish) the building, including exterior glass, replace filters, and remove all debris and waste receptacles.

3. Punch List: When the Contractor has substantially completed the work, he shall request the Owner and Architect to prepare a punch list. The work on the punch list is to be completed prior to final payment.

State of Maine
Department of Public Safety
Construction Permit

Reviewed for Barrier Free

Not Sprinkled

14757

MPX MAINE PRINTING COMPANY
Located at: 2273 A CONGRESS ST.
PORTLAND
Occupancy/Use: BUSINESS

238 A 005

Permission is hereby given to:
ROBERT WILLIS

PO BOX 3887
PORTLAND, ME 04104

to construct or alter the afore referenced building according to the plans hitherto filed with the Commisioner and now approved. No departure from application form/plans shall be made without prior approval in writing. This permit is issued under the provision of Title 25, Chapter 317, Section 2448 and the provisions of Title 5, Section 4594 - F. Nothing herein shall excuse the holder of this permit for failure to comply with local ordinances, zoning laws, or other pertinent legal restrictions. Each permit issued shall be displayed/available at the site of construction.

This permit will expire at midnight on the 20th *of October* 2005

Dated the 21st day of April A.D. 2005

Michael P. Cantara

Commissioner

Copy-3 Code Enforcement Officer

Comments:

Code Enforcement Officer
PORTLAND, ME

CBL: 23f-AA005

NORRIS, INC.

HOT
3rd Floor

LOSS PREVENTION · BUILDING AUTOMATION · COMMUNICATIONS

Fax Transmission – Norris, Inc. 207-879-0540(FAX)

Date: 5/9/2005

Company: ES Boulos

Fax Number:

ATTN: Russ

Total Number of Pages: 9

Comments: Russ following is the Test Report for Maine Printers per Chris's request.

Thanks

From: Melanie

P.O. Box 2551 South Portland, ME 04106 207-879-0540(FAX)

NORRIS INC.
P.O. Box 2551
S. Portland, ME 04116-2551
(207) 883-FIRE (3473)
(870) 370-3473

SERVICE REQUEST/DATE REQ: N # 16039

TIME REQ: ___ Call for appt

System: Brand: Model #: Phone #:

CUST: Maine Printers

BLDG: 2275 Congress St Portland, me 04150

Requested by: Customer PO#: 774-6116 Report to:

SERVICE REQUEST

___ Installation ___ Service Call ___ Final Connect ___ Warrantee ___ Maint. Contract

WORK PERFORMED: Programmed Panel for Central Station, Sent Signals On all Evacuation, Alarm, Trouble for all Zones. All set and working at panel.

PARTS	STK #	QTY.	BRAND/DESCRIPTION	$ EA.	$ EXT.
	Travel Labor		Total Travel = .5 @ Total Time at Site = 2 @		

CERTIFICATE OF INSPECTION

Type: ___ Monthly ___ Quarterly ___ Semi-Annual ___ Annual ___ Start-up ___ Special

	QTY	✓ OK	X SEE REMARKS		QTY	✓ OK	X SEE REMARKS
Control Panel				E-Call Sta			
Pull Stations				Duty Sta			
Heat Detectors				Dome Lights			
Smoke Detectors				Annunciators			
Door Holders				Motion Detectors			
Fan Shutdown				Window Sensors			
Elev. Recall				Contacts			
Trouble Devices				Keyswitch/pad			
City/Remote Commun							
Batteries/Charger							
Signal Devices							

Remarks:

Remote Trans / Received @. Box reset by:

TECHNICIAN: Alan Shanks CUST SIGN: DATE: 4/28/05

Completed

INSPECTION AND TESTING FORM

PROPERTY NAME
MAINE PAINTERS

ADDRESS: 22-71 CONGRESS ST

OWNER CONTACT: ES BULOS

TELEPHONE: 464 3706

MONITORING ENTITY
NAME: _____

TELEPHONE: _____

MONITORING ACCOUNT REF. NO.: _____

TYPE TRANSMISSION
(✓) Digital Communicator
( ) Reverse Polarity
( ) Masterbox

SERVICE
( ) Monthly
( ) Quarterly
( ) Semi-annually
( ) Annually

PANEL MANUFACTURER: NOTIFIER

MODEL NO.: SFO 1024

CIRCUIT STYLES: _____

ALARM-INITIATING DEVICES AND CIRCUIT INFORMATION

QTY OF	
3	ALARM ZONES
5	MANUAL STATIONS
	ION DETECTORS
10	PHOTO DETECTORS
	DUCT DETECTORS
1	HEAT DETECTORS
	WATERFLOW SWITCHES
	SUPERVISORY SWITCHES
	OTHER (SPECIFY): _____

ALARM NOTIFICATION APPLIANCES AND CIRCUIT INFORMATION

QTY OF	
5	HORN/STROBES
	BELLS
	HORNS
	CHIMES
11	STROBES
	SPEAKERS
	OTHER (SPECIFY): _____

NO. OF ALARM INDICATING CIRCUITS: 2

ARE CIRCUITS SUPERVISED? ( ) YES ( ) NO

SIGNALING LINE CIRCUITS
Quantity _____ Style(s) _____

Russ Chesley
ESB 464-3706

Completed

INSPECTION AND TESTING FORM

PROPERTY NAME MAINE PAINTERS

ADDRESS: 2271 CONGRESS ST

OWNER CONTACT: ES BULOS

TELEPHONE: 464 3706

MONITORING ENTITY
NAME: ____________

TELEPHONE: ____________

MONITORING ACCOUNT REF. NO.: ____________

TYPE TRANSMISSION
(✓) Digital Communicator
( ) Reverse Polarity
( ) Masterbox

SERVICE
( ) Monthly
( ) Quarterly
( ) Semi-annually
( ) Annually

PANEL MANUFACTURER: NOTIFIER

MODEL NO.: SFP 1024

CIRCUIT STYLES: ____________

ALARM-INITIATING DEVICES AND CIRCUIT INFORMATION

QTY OF	
3	ALARM ZONES
5	MANUAL STATIONS
	ION DETECTORS
70	PHOTO DETECTORS
	DUCT DETECTORS
1	HEAT DETECTORS
	WATERFLOW SWITCHES
	SUPERVISORY SWITCHES
	OTHER (SPECIFY): ____________

ALARM NOTIFICATION APPLIANCES AND CIRCUIT INFORMATION

QTY OF	
5	HORN/STROBES
	BELLS
	HORNS
	CHIMES
11	STROBES
	SPEAKERS
	OTHER (SPECIFY): ____________

NO. OF ALARM INDICATING CIRCUITS: 2

ARE CIRCUITS SUPERVISED? ( ) YES (✓) NO

SIGNALING LINE CIRCUITS
Quantity ____________ Style(s) ____________

Russ Chesley
ESB 464-3706

PRIOR TO ANY TESTING

NOTIFICATIONS ARE MADE:	YES	NO	WHO	TIME
MONITORING ENTITY	( )	( )		
BUILDING OCCUPANTS	(✓)	( )		11:00 am
BUILDING MANAGEMENT	(✓)	( )		

SYSTEM TESTS AND INSPECTIONS

TYPE	VISUAL	FUNCTIONAL	COMMENTS
CONTROL PANEL	(✓)	(✓)	
INTERFACE EQ.	(✓)	(✓)	
LAMPS/LEDS	(✓)	(✓)	
FUSES	(✓)	(✓)	
TROUBLE SIGNALS	(✓)	(✓)	
GROUND FAULT MONITORING	(✓)	(✓)	

SECONDARY POWER

TYPE	VISUAL	FUNCTIONAL	COMMENTS
BATTERY CONDITION	(✓)		New Battery
LOAD VOLTAGE		(✓)	
CHARGER TEST		(✓)	
REMOTE ANNUNCIATORS	( )	( )	
NOTIFICATION APPLIANCES			
AUDIBLE	(✓)	(✓)	
VISUAL	(✓)	(✓)	

EMERGENCY COMMUNICATIONS EQUIP.	VISUAL	FUNCTIONAL	COMMENTS
PHONE SET	(✓)	(✓)	
PHONE JACKS	(✓)	(✓)	
OFF-HOOK INDICATOR	( )	( )	
AMPLIFIER(S)	( )	( )	
TONE GENERATOR(S)	( )	( )	
CALL-IN SIGNAL	( )	( )	
SYSTEM PERFORMANCE	( )	( )	

ON/OFF PREMISES MONITORING:	YES	NO	TIME	COMMENTS
ALARM SIGNAL	( )	( )		
ALARM RESTORAL	( )	( )		
TROUBLE SIGNAL	( )	( )		
TROUBLE RESTORAL	( )	( )		
SUPERVISORY SIGNAL	( )	( )		
SUPERVISORY RESTORAL	( )	( )		

NOTIFICATIONS THAT TESTING IS COMPLETE:	YES	NO	WHO	TIME
BUILDING MANAGEMENT	(✓)	( )		
MONITORING AGENCY	(✓)	( )		
BUILDING OCCUPANTS	(✓)	( )		12:30 pm

INITIATING AND SUPERVISORY DEVICE TESTS AND INSPECTIONS

LOCATION	DEVICE TYPE	PASS	FAIL
~~Basement~~		( )	( )
Entrance by Panel	P-S	(✓)	( )
Rear Entrance lobby	SD	(✓)	( )
Hallway by Bathrooms	SD	(✓)	( )
Hall inside kitchen	H.D	(✓)	( )
Furnace Storage ~~[illegible]~~ Mechanical Rm	SD	(✓)	( )
Large Conference Rm	SD	(✓)	( )
Small Conference Rm	SD	(✓)	( )
Hallway by Panel	SD	(✓)	( )
Hallway by small Conf Rm	SD	(✓)	( )
Main Cubical office	SD	(✓)	( )
" " "	SD	(✓)	( )
" " "	SD	(✓)	( )
Back Entrance	PS	(✓)	( )
Front Entrance	PS	(✓)	( )
By Front End Hallway	PS	(✓)	( )
By small Conference Exit	PS	(✓)	( )
		( )	( )
		( )	( )
		( )	( )
		( )	( )
		( )	( )
		( )	( )
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		( )	( )
		( )	( )
		( )	( )

THE FOLLOWING DID NOT OPERATE CORRECTLY: ____________________

SYSTEM RESTORED TO NORMAL OPERATION: DATE ____________ TIME ____________

THIS TESTING WAS PERFORMED IN ACCORDANCE WITH APPLICABLE NFPA STANDARDS.

NAME OF INSPECTOR: Alan Keary DATE: 4-21-05 TIME: 12:37

SIGNATURE: Alan Keary

NAME OF OWNER OR REPRESENTATIVE: Alan Keary

DATE: 4-21-05 TIME: 12:37

SIGNATURE: Alan Keary

Record of Completion

Name of Protected Property: MAIN PRINTERS

Address: 2271 CONGRESS STREET ~~[illegible]~~ PORTLAND

Rep. of Protected Property (Name/Phone): _____

Authority Having Jurisdiction: PORTLAND FIRE DEPARTMENT

Address/Phone Number: _____

1. Type(s) of System or Service:

✓ NFPA 72, Chapter 3 - Local

If alarm is transmitted to location(s) off premise, list where received:

_____

___ NFPA 72, Chapter 3 - Emergency Voice/Alarm Service

Quantity of voice/alarm channels:_____ Single:_____ Multiple:_____

Quantity of speakers installed:_____ Quantity of speaker zones:_____

Quantity of telephones or telephone jacks included in system:_____

___ NFPA 72, Chapter 4 - Auxiliary

Indicate type of connection:

Local energy: _____ Shunt: _____ Parallel telephone: _____

Location and telephone number for receipt of signals:

_____

___ NFPA 72, Chapter 4 - Remote Station

Alarm signal received at:_____

Supervisory signal received at:_____

___ NFPA 72, Chapter 4 - Proprietary

If alarms are retransmitted to public fire service communications center or others, indicate location and telephone number of the organization receiving alarm:

_____

Indicate how alarm is retransmitted:

_____

___ NFPA 72, Chapter 4 - Central Station

The Prime Contractor:

_____

Central Station Location:

_____

Means of transmission of signals from the protected premise to the central station:

_____ McCulloh _____ Multiplex _____ One-Way Radio

✓ Digital Alarm Communicator_____ Two-Way Radio _____ Others

Means of transmission of alarm to the public fire service communications center:

a. NON AT THE MOMENT.

b. _____

System location: _____

	Organization Name/Phone	Representative Name/Phone
Installer	ES BOLES ELECTRIC	GARY
Supplier	NORRIS INC	ADAM
Service Organization		

Location of Record (As-Built) Drawings: WITH INSTALLER & OWNER

Location of Owner's Manuals: BY THE PANEL

Location of Test Reports: WITH INSTALLER, OWNER & NORRIS INC

A contract, dated _____, for test and inspection in accordance with NFPA Standards No.(s)_____, dated _____, is in effect.

2. Record of System Installation. (Fill out after installation is complete and wiring checked for opens, shorts ground faults, and improper branching, but prior to conducting operational acceptance tests.)

This system has been installed in accordance with the NFPA Standards as listed below, was inspected by Alan Keary on 4-21-05, includes the devices listed below and has been in service since 4-21-05.

✓ NFPA 72, Chapters 1 (3) 4 5 6 7 (circle all that apply)

_____ NFPA 70, *National Electrical Code*, Article 760

_____ Manufacturer's Instructions

_____ Other (specify): _____

Signed: Alan Keary Date: 4-21-05

Organization: E.S.B.

3. Record of System Operation:

All operational features and functions of this system were tested by Adam on 4/21/05 and found to be operating properly in accordance with the requirements of:

✓ NFPA 72, Chapters 1 (3) 4 5 6 7 (circle all that apply)

_____ NFPA 70, *National Electrical Code*, Article 760

_____ Manufacturer's Instructions

_____ Other (specify): _____

Signed: Adam Clark Date: 4/21/05

Organization: _____

4. Alarm Initiating Devices and Circuits (Use blanks to indicate quantity of devices.)

MANUAL

a) 15 Manual Stations _____ Noncoded, Activating _____ Transmitters _____ Coded

b) _____ Combination Manual Fire Alarm and Guard's Tour Coded Stations

AUTOMATIC

Coverage: Complete: _____ Partial: _____

a) 10 Smoke Detectors _____ Ion ✓ Photo

b) 2 Duct Detectors ✓ Ion _____ Photo

c) 1 Heat Detectors _____ FT ✓ RR _____ FT/RR _____ RC

d) _____ Sprinkler Water Flow Switches: _____ Transmitters _____ Noncoded, Activating _____ Coded

e) _____ Other (list): _____

5. Supervisory Signal Initiating Devices and Circuits (Use blanks to indicate quantity of devices.)

GUARD'S TOUR:

a) _____ Coded Stations

b) _____ Noncoded Stations _____ Transmitters

c) _____ Compulsory Guard Tour System Comprised of _____ Transmitter Stations and _____ Intermediate Stations

Note: Combination devices recorded under 4(b) and 5(a).

SPRINKLER SYSTEM:

a) _____ Coded Valve Supervisory Signaling Attachments

b) _____ Valve Supervisory Switches _____ Transmitters

c) _____ Building Temperature Points

d) _____ Site Water Temperature Points

e) _____ Site Water Supply Level Points

ELECTRIC FIRE PUMP:

a) _____ Fire Pump Power

b) _____ Fire Pump Running

c) _____ Phase Reversal

ENGINE-DRIVEN FIRE PUMP:

a) _____ Selector in Auto Position

b) _____ Engine or Control Panel Trouble

c) _____ Fire Pump Running

ENGINE-DRIVEN GENERATOR:

a) _____ Selector in Auto Position

b) _____ Control Panel Trouble

c) _____ Transfer Switches

d) _____ Engine Running

OTHER SUPERVISORY FUNCTION(S) (SPECIFY) _____

_____

6. Alarm Notification Appliances and Circuits

Quantity of notification appliance circuits connected to the system: _____

Types and quantities of alarm notification appliances installed:

a) _____ Bells _____ Inch

b) _____ Speakers

c) _____ Horns

d) _____ Chimes

e) _____ Other: _____

f) 16 Visible Signals Type: _____ 5 with audible 11 without audible

g) _____ Local Annunciator

7. Signaling Line Circuits:

Quantity and Style (See NFPA 72, Table 3-6) of signaling line circuits connected to System:

Quantity: _____ Style: _____

8 System Power Supplies

a) Primary (Main): Nominal Voltage: 208Y/120 Current Rating: 225

Overcurrent Protection Type: Circuit breaker #26 Current Rating: 20

Location: Furnace Storage PP2 #26

b) Secondary (Standby):

____ Storage Battery: Amp-Hour Rating 12VDC2 7-24

Calculated capacity to drive system, in hours: ____ ✓24 ____ 60

____ Engine-driven generator dedicated to fire alarm system:

Location of fuel storage: ____

c) Emergency or Standby System used as backup to Primary Power Supply, instead of using a Secondary Power Supply:

____ Emergency System described in NFPA 70, Article 700

____ Legally Required Standby System described in NFPA 70, Article 701

____ Optional Standby System described in NFPA 70, Article 702, which also meets the performance requirements of Article 700 or 701.

9. System Software

a) Operating System Software Revision Level(s): ____

b) Application Software Revision Level(s): ____

c) Revision Completed by: ____

(name) (firm)

10 Comments:

____

____

(signed) for Central Station or Alarm Service Company (title) (date)

Frequency of routine tests and inspections, if other than in accordance with the referenced NFPA Standard(s):

____

____

System deviations from the referenced NFPA standard(s) are:

____

____

____

(signed) for Central Station or Alarm Service Company (title) (date)

Upon completion of the system(s) satisfactory test(s) witnessed (if required by Authority Having Jurisdiction):

____

(signed) Representative of the Authority Having Jurisdiction (title) (date)