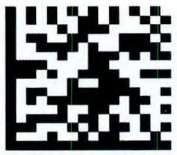


EBIZNEWDOC

EBIZNEWDOC

Write or Copy/Paste Document Title In This Space

WorkPlan.BCP.C734118.2011-03-14.Building_Expansion_SSDS_Layout.PDF

DO NOT PHOTOCOPY. PRINT FROM PDF VERSION ONLY.

EBIZNEWDOC

EBIZNEWDOC

S&W REDEVELOPMENT

430 East Genesee Street
Suite 401
Syracuse, NY 13202

tel. (315) 422-4949
fax. (315) 422-2124
web. www.swredev.com

March 14, 2011

Chris Mannes
NYSDEC, Region 7
615 Erie Boulevard West
Syracuse, NY 13204

Re: Building Expansion SSDS Layout
110 Luther Ave.
Liverpool, New York
BCP Site #C734118

Dear Mr. Mannes,

As we discussed during our March 4, 2011 meeting, Syracuse Label intends to construct an approximate 20- by 70-foot expansion to its existing facility. During construction of the foundation, Syracuse Label plans to establish a piping network below the concrete slab of the building expansion that can become part of a facility-wide subslab depressurization system (SSDS).

We have enclosed architectural drawings[1] (Attachment 1) depicting the piping network layout for your use. The piping layout was designed by a Certified Residential Mitigation Provider (Attachment 2), in accordance with NYSDEC's DER-10 guidance document. The facility-wide SSDS design will be evaluated and included separately as part of the site remedial approach. Installation of the facility SSDS system will be reported in the Final Engineering Report (FER).

Syracuse Label's business requires that the building expansion be completed and equipped by June 1, 2011 to satisfy operational demands. To accommodate this schedule construction activities will begin no later than April 1, 2011.

Please do not hesitate to contact me at (315) 422-4949 with any questions or comments.

Sincerely,

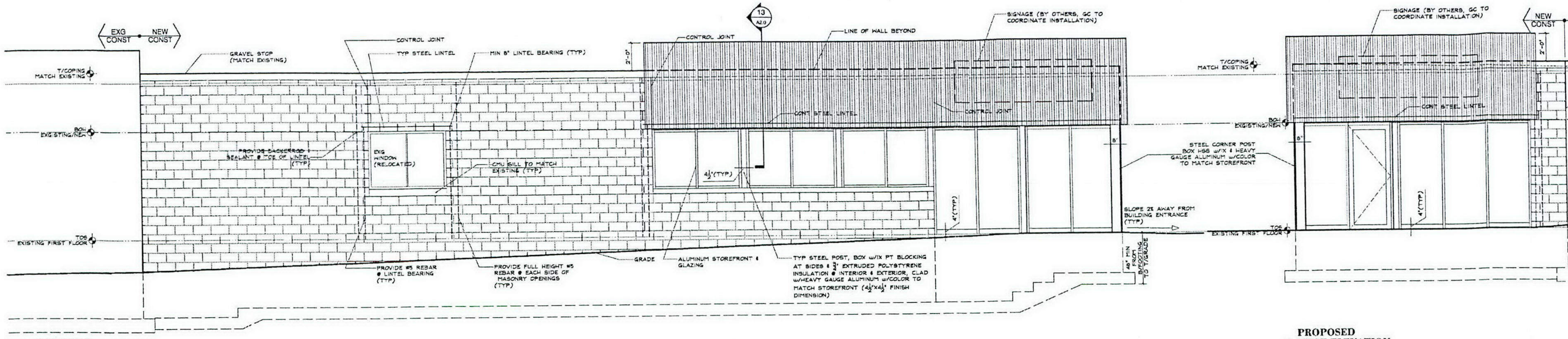
Donald Sorbello
Project Manager

[1] Portions of the architectural drawings pertaining to the SSDS are found in drawing A1.0, Item 1 "Proposed Foundation Plan"; and drawing A2.0 Item 1 and Item 2 "Proposed Wall Section".

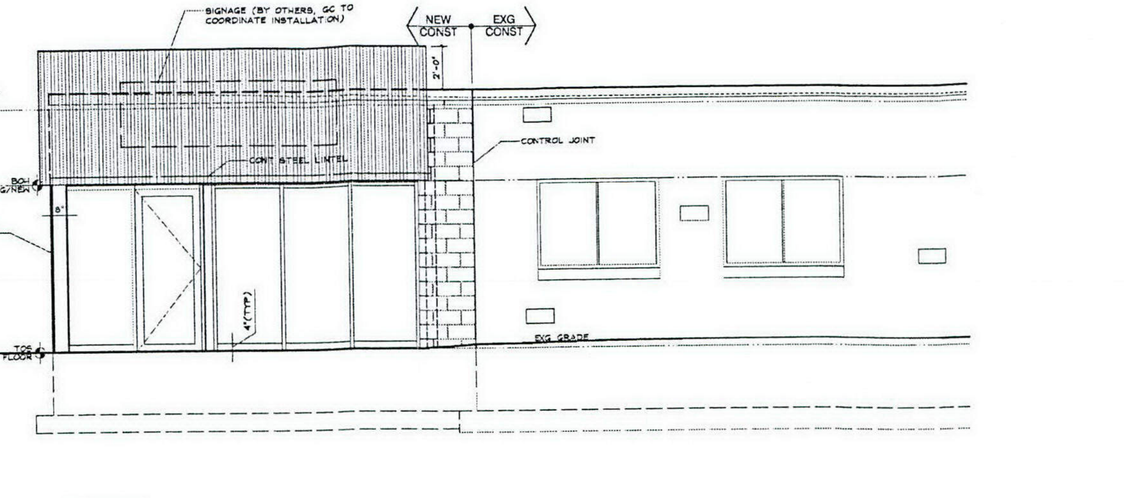
Cc: Mr. Paul Roux, Syracuse Label (w/ enclosures)
Mrs. Doreen Simmons, Hancock & Estabrook LLP (w/ enclosures)
Mr. Mark Sergott, NYSDOH (w/ enclosures)

Enclosures:
Attachment 1: Architectural drawings (4 pp)
Attachment 2: Radon Home Services RMP Certificate

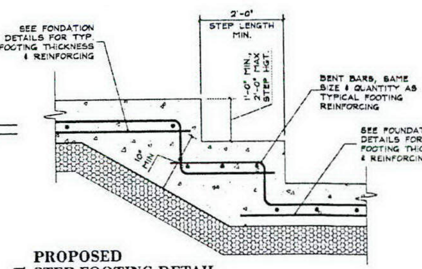
Attachment 1



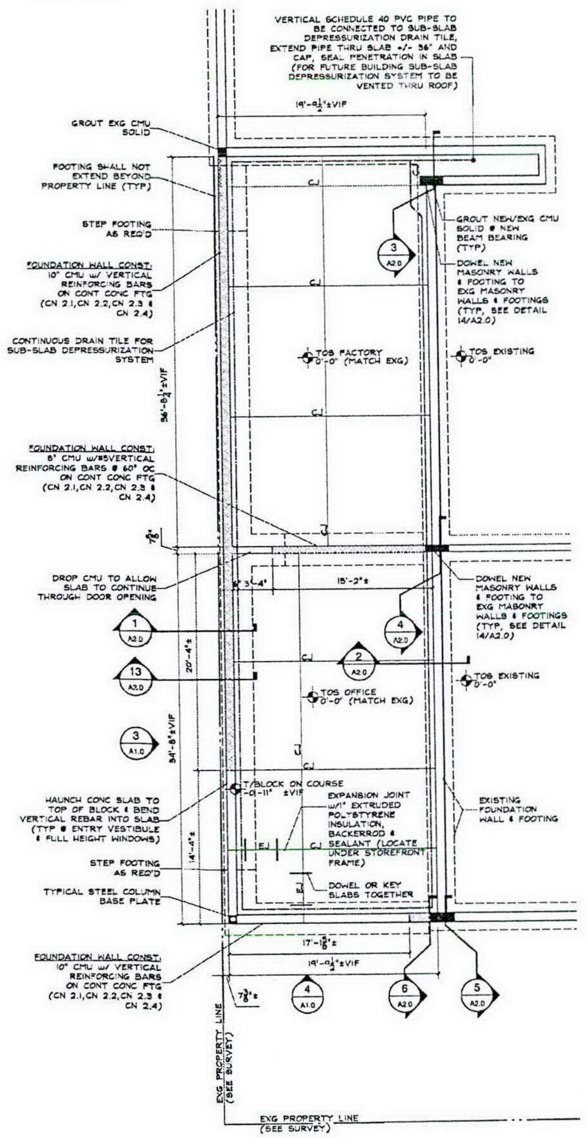
3 PROPOSED NORTH ELEVATION
SCALE: 1/4"=1'-0"



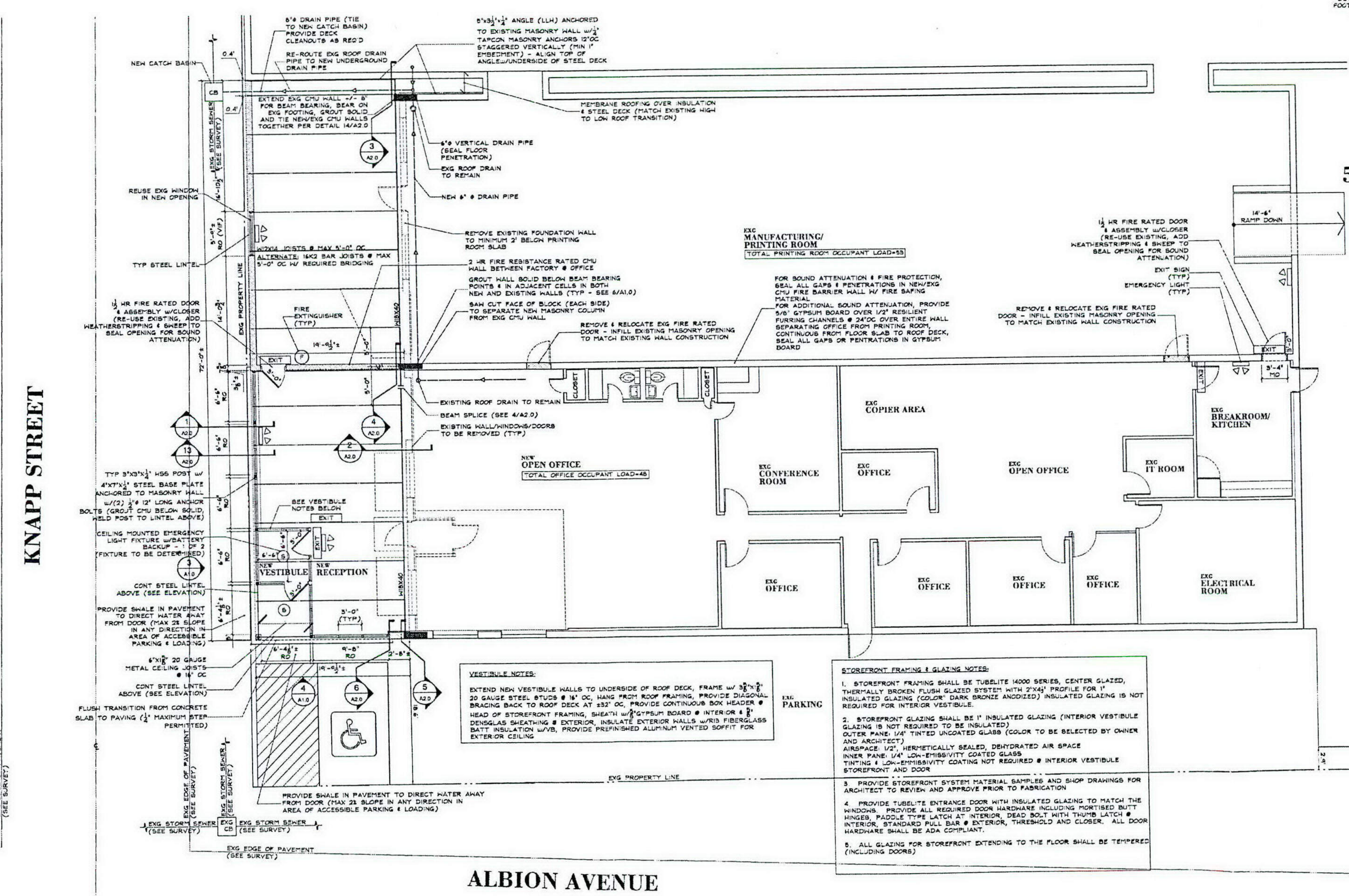
4 PROPOSED WEST ELEVATION
SCALE: 1/4"=1'-0"



5 PROPOSED STEP FOOTING DETAIL
SCALE: 1/2"=1'-0"



1 PROPOSED FOUNDATION PLAN
SCALE: 1/8"=1'-0"



VESTIBULE NOTES:

EXTEND NEW VESTIBULE WALLS TO UNDERSIDE OF ROOF DECK, FRAME w/ 3 5/8"x1 5/8" 20 GAUGE STEEL STUDS @ 16" OC, HANG FROM ROOF FRAMING, PROVIDE DIAGONAL BRACING BACK TO ROOF DECK AT ±32" OC, PROVIDE CONTINUOUS BOX HEADER @ HEAD OF STOREFRONT FRAMING, SHEATH w/5/8" GYPSUM BOARD @ INTERIOR & 5/8" DENSGLAS SHEATHING @ EXTERIOR, INSULATE EXTERIOR WALLS w/R13 FIBERGLASS BATT INSULATION w/VB, PROVIDE PREFINISHED ALUMINUM VENTED SOFFIT FOR EXTERIOR CEILING

STOREFRONT FRAMING & GLAZING NOTES:

1. STOREFRONT FRAMING SHALL BE TUBELITE 14000 SERIES, CENTER GLAZED, THERMALLY BROKEN FLUSH GLAZED SYSTEM WITH 2"X4 1/2" PROFILE FOR 1" INSULATED GLAZING (COLOR: DARK BRONZE ANODIZED) INSULATED GLAZING IS NOT REQUIRED FOR INTERIOR VESTIBULE.

2. STOREFRONT GLAZING SHALL BE 1" INSULATED GLAZING (INTERIOR VESTIBULE GLAZING IS NOT REQUIRED TO BE INSULATED)
OUTER PANE: 1/4" TINTED UNCOATED GLASS (COLOR TO BE SELECTED BY OWNER AND ARCHITECT)
AIRSPACE: 1/2", HERMETICALLY SEALED, DEHYDRATED AIR SPACE
INNER PANE: 1/4" LOW-EMISSIVITY COATED GLASS
TINTING & LOW-EMMISSIVITY COATING NOT REQUIRED @ INTERIOR VESTIBULE STOREFRONT AND DOOR

3. PROVIDE STOREFRONT SYSTEM MATERIAL SAMPLES AND SHOP DRAWINGS FOR ARCHITECT TO REVIEW AND APPROVE PRIOR TO FABRICATION

4. PROVIDE TUBELITE ENTRANCE DOOR WITH INSULATED GLAZING TO MATCH THE WINDOWS. PROVIDE ALL REQUIRED DOOR HARDWARE INCLUDING MORTISED BUTT HINGES, PADDLE TYPE LATCH AT INTERIOR, DEAD BOLT WITH THUMB LATCH @ INTERIOR, STANDARD PULL BAR @ EXTERIOR, THRESHOLD AND CLOSER. ALL DOOR HARDWARE SHALL BE ADA COMPLIANT.

5. ALL GLAZING FOR STOREFRONT EXTENDING TO THE FLOOR SHALL BE TEMPERED (INCLUDING DOORS)

2 PROPOSED FIRST FLOOR PLAN/PARTIAL SITE PLAN
SCALE: 1/8"=1'-0"

PLANS & ELEVATIONS

Addition for:
PROJECT LOCATION: 110 Luther Avenue
OWNER: Syracuse Label & Surround Printing

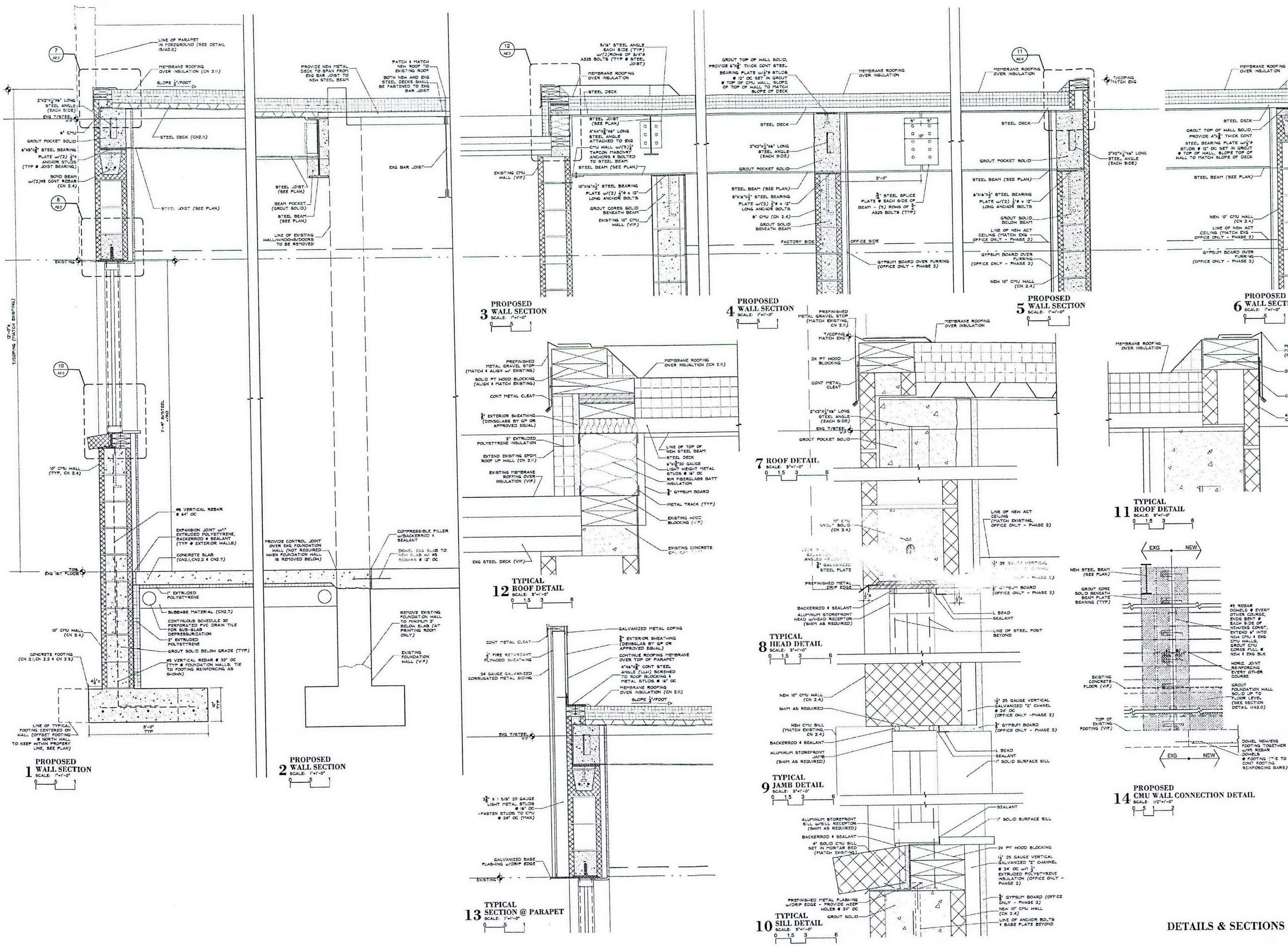
SHEET NAME:	PLANS & ELEVATIONS
SHEET SCALE:	AS NOTED
DATE:	03-04-2011
DRAWN BY:	JL
CHECKED BY:	DC
JOB NUMBER:	2011-003

REVISIONS		
1	03-04-11	PERMIT-BID
2	03-11-11	RADON/BEAM LOCATION/BAR JOIST OPTION

HARMONY
ARCHITECTURAL ASSOCIATES
WILLIAM J. FERRALDO, ARCHITECT
DAVID P. COLEGROVE, ARCHITECT
1580 Erie Blvd. E. Syracuse, NY 13210
(p) 315.476.9935 (f) 315.218.0030

A1.0

PLOT DATE: 3/11/2011 2:44 PM
Sections - Elevations Syracuse Label 2011-003.dwg



DETAILS & SECTIONS

HARMONY ARCHITECTURAL ASSOCIATES

Addition for:
PROJECT LOCATION: 110 Luther Avenue
OWNER: Syracuse Label & Surround Printing

A2.0

1. General Notes (GN):

A. These documents represent a package suitable for review of a financial institution, issuance of a building permit by the local regulatory authority, and construction of the project by an experienced, qualified general contractor but are abbreviated in detail in consideration of cost for the owner and to maximize the owner's flexibility.
B. All reports, notes, drawings, specifications, data, calculations and other documents, including those in electronic form, prepared by Harmony Architectural Associates (HAA) are instruments of HAA's service that shall remain HAA's property. The Owner agrees not to use HAA generated documents for marketing purposes, for projects other than the project for which the document was prepared by HAA, or for future modifications to this project, without HAA's express written permission. Any re-use or distribution to third parties without such express written permission or project-specific adaptation by HAA will be at the Owner's sole risk and without liability to HAA or its employees, subsidiaries, independent professional associates, sub consultants and subcontractors. Owner shall, to the fullest extent permitted by law, defend, indemnify and hold harmless HAA from and against any and all costs, expenses, fees, losses, claims, demands, liability, suits, actions, and damages whatsoever arising out of or resulting from such unauthorized re-use or distribution.
C. If HAA performs any services during the construction phase of the project, HAA shall not supervise, direct, or have control over Contractor's work. HAA shall not have authority over a responsibility for the construction means, methods, techniques, sequences or procedures or for safety precautions and programs in connection with the work of the Contractor. HAA does not guarantee the performance of the construction contract by the Contractor and does not assume responsibility for the Contractor's failure to furnish and perform its work in accordance with the Contract Documents.
D. Because of the variable conditions encountered in any construction work, all dimensions, details and specifications represent the Architect's intent regarding the design and engineering of this project. The Owner/Contractor shall consult with the Architect if any significant discrepancies or omissions are present in the drawings or as the project progresses.
E. The scope of HAA's services for this agreement does not include any responsibility for detection, remediation, accidental release, or services relating to waste, oil, asbestos, lead, or other hazardous materials, as defined by Federal, State and local laws or regulations.
F. Plumbing, heating, ventilation, air conditioning (if applicable), and electrical system design shown in these documents are in part schematic and are presented to show intent. Final design of these systems shall be developed by qualified design professionals retained by the General Contractor or his/her sub-contractor(s) for the Owner's review and approval. Design and execution of these trade items shall be in strict compliance with all applicable Federal, State and local codes including, but not limited to the Building Code of New York State, the Plumbing Code of New York State, the Mechanical Code of New York State, the Fuel Gas Code of New York State, the Fire Code of New York State, the Energy Conservation Construction Code of New York State and the National Electric Code.
G. Contractor to verify location of all incoming utilities.
H. All trades to be performed by licensed professionals.
I. Coordinate all inspections prior to enclosing work.
J. Coordinate all finishes with Owner.
K. All work to meet or exceed the requirements of all applicable Federal, State and local codes.
L. All building components shall be installed according to their respective manufacturer's specifications and recommendations. All such specifications and recommendations shall be considered part of these Construction Documents as a specification for this project.
M. HAA shall be notified in writing of any significant field changes involving materials, dimensions or product performance.
N. Any dimensional discrepancies, omissions and/or errors shall be verified with HAA before proceeding further with the work. the Contractor's failure to consult HAA regarding any such discrepancies shall relieve HAA of any responsibilities for deficiencies of any kind in or resulting from that work.
O. Dimensions of work shall not be determined by scale or rule; indicated dimensions shall be followed at all times.
P. All dimensions are to rough framing, concrete block and concrete as indicated unless noted otherwise on drawings.
Q. These drawings shall not be used by persons other than experienced workmen who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specified requirements and methods needed for proper performance of the work in accordance with all applicable code requirements.
R. All work shall be done in a workman-ship like manner.
S. Contractor to field verify all dimensions and conditions.
T. Provide temporary support as required by removal of structural elements. General Contractor is responsible for shoring bracing and support of structure.
U. Provide all demolition as required to complete full scope of work whether shown or implied by Contract Documents.
V. Comply with the applicable standards in effect as of the date of the Contract Documents unless otherwise indicated (see list of referenced standards on this sheet).

TABLE A
PROPERTIES OF SOILS CLASSIFIED ACCORDING TO THE UNIFIED SOIL CLASSIFICATION SYSTEM

SOIL GROUP	UNIFIED SOIL CLASSIFICATION SYSTEM SYMBOL	SOIL DESCRIPTION	DRAINAGE CHARACTERISTICS (a)	FROST HEAVE POTENTIAL	VOLUME CHANGE POTENTIAL EXPANSION
GROUP 1	GW	WELL GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES	GOOD	LOW	LOW
GROUP 1	GP	POORLY GRADED GRAVELS OR GRAVEL SAND MIXTURES, LITTLE OR NO FINES	GOOD	LOW	LOW
GROUP 1	SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES	GOOD	LOW	LOW
GROUP 1	SP	POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES	GOOD	LOW	LOW
GROUP 1	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES	GOOD	MEDIUM	LOW
GROUP 1	SM	SILTY SAND, SAND-SILT MIXTURES	GOOD	MEDIUM	LOW

a. The percolation rate for good drainage is over 4" per hour, medium drainage is 2" to 4" per hour, and poor is less than 2" per hour.

2. Construction Notes (CN):

2.1 Soils:

A. Excavation shall be dewatered as required during the construction of the foundation.
B. Presumptive load bearing value of undisturbed grade shall be assumed to be 1,500 psf for a Class 5 material in accordance with Table 1804.2 (see Sheet C-1).
C. Actual soil composition shall be verified in field by a qualified design professional. If composition of soil is different from what has been assumed, consult with Architect prior to commencing construction.

2.2 Concrete (General):

A. Minimum compressive strength of concrete shall be as follows:

3,000psi - Basement walls, foundations, footings and other concrete not exposed to weather. (see note 2)

3,000psi - Basement walls, foundation walls, exterior walls and other vertical concrete work exposed to weather. (see note 1)

3,000psi - Basement slabs and interior slabs on grade, except garage floor slabs. (see note 2)

4,000psi - Porches, carport slabs, steps exposed to weather and garage floor slabs. (see notes 1 & 3)

1. Concrete shall be air-entrained. total air content (percent by volume of concrete) shall not be less than 5% or more than 7%.
2. Concrete in these locations that may be subject to freezing and thawing during construction shall be air-entrained in accordance with footnote 1.
3. Maximum weight of fly ash or other pozzolans conforming to astm c618 that are included in mixtures for garage floor slabs, exterior porches, carport slabs and steps that will be exposed to deicing chemicals shall not exceed 20% of the total of the cementitious materials by weight.

2. Construction Notes (CN): Cont.

2.2 Concrete (General): Cont.

B. Minimum compressive strength of concrete (psi) shall be measured at 28 days.
C. Concrete slump shall be 5" (ASTM C-143), Contractor may add super-plasticize to concrete mix to obtain a maximum 7" slump.
D. Reinforcing steel bars shall be grade 60 and shall comply with ASTM A-615.
E. Provide minimum 3" concrete cover over reinforcing steel.
F. Calcium chloride or chloride containing admixtures shall not be permitted under any circumstances.
G. Lap all reinforcing bar splices 40 x reinforcing diameter (minimum).
H. Water/cement ratio shall not exceed, unless substantiated by certified test results:

Comp. Strength	Non Air-Entrained	Air-Entrained
3,000	0.58	0.50
4,000	0.55	0.45

2.3 Footings:

A. Footings shall be set on firm, undisturbed natural bearing soils or structural fill that has been placed in maximum 12" loose lifts and compacted to not less than 95% of its maximum dry density (ASTM D1557). Structural fill shall consist of an imported granular soil conforming to the following gradation requirements:

- 100% Passing (by weight) a 2" sieve
- 0-70% Passing (by weight) a No. 40 sieve
- 0-10% Passing (by weight) a No. 200 sieve

Imported structural fill shall not contain recycled concrete, asphalt, bricks, glass and pyritic shale rock.
B. Footing trenches shall be hand cleared and tamped with a vibrating compactor.
C. Top surface of footings shall be level. bottom surface of footing shall not exceed (1) unit vertical in (10) units horizontal (10% slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footings or where the slope of the bottom surface of the footings will exceed a 10% slope (see stepped footing detail).
D. Unless noted otherwise on drawings, continuous footings shall be minimum 36" wide x 10" deep with three (3) #5 continuous reinforcing bars and #5 transverse reinforcing bars @ 24" oc. See drawings for additional specifications.

2.4 Concrete Masonry Unit (CMU) Walls:

A. All masonry to conform with the "Building Code Requirements for Masonry Structures" ACI 530 and "Specifications for Masonry Structures" ACI 530.1 and the Building Code of New York State.
B. Follow ACI recommendations for high lift, cold weather, or warm weather grouting.
C. Lay masonry with full mortar coverage on horizontal or vertical face shells. Bed webs in mortar in starting course of footing, in all courses in columns and pilasters and where adjacent to cells or cavities to be to be filled with concrete or grout.
D. Provide concrete masonry units per ASTM C-90. All concrete masonry units in exterior walls shall have Dry-Block Integral Water Repellant Admixture by Grace Masonry products (or approved equal).
E. Mortar for use in masonry construction shall comply with ASTM 270 and shall be Type "S" with a minimum compressive strength of 1,800 psi.
F. Reinforcing steel bars shall be grade 60 and shall comply with ASTM A-615.
G. Provide hot dipped galvanized ladder type horizontal joint reinforcement with 9 gauge side and cross rods spaced at 16" oc vertically (maximum) for all masonry walls.
H. All concrete masonry unit cells with reinforcement shall be grouted solid. Size and locations of reinforcement shall be as indicated on drawings.
I. Grout concrete masonry unit cells solid under beams and girders (minimum 16").
J. Grout concrete masonry unit cells solid in foundation walls.
K. All masonry unit cores that are not grouted solid shall be filled with polyurethane open cell spray foam insulation (minimum R-9).
L. Grout shall consist of cementitious material and aggregate in accordance with ASTM C-476 with a minimum compressive strength of 2,500 psi in 28 days. course grout shall have a maximum aggregate size of 3/8".
M. Lap reinforcing steel splices minimum 36 x reinforcing bar diameter.
N. All corners to be tied with a masonry bond.
O. All masonry walls shall have vertical control joints at a maximum spacing of 20' OC. Provide control joint concrete masonry units grouted solid and reinforced with #5 vertical reinforcing bars at each side of joint. Provide molded control joint between concrete masonry units and backer rod and sealant at exterior side. Continue horizontal reinforcing and bond beam reinforcing through control joint. See drawings for additonal specifications regarding required control joint locations.
P. Exterior masonry foundation walls shall have a minimum 1/8" coat of fiber reinforced surface bonding mortar (complying with ASTM C-887) applied to the exterior side. Provide (2) coats of bituminous foundation coating over surface bonding mortar for portions of walls below grade (unless dampproofing is provided in accordance with CN2.6).
Q. Backfill masonry foundation walls with satisfactory soil materials or drainage fill. Drainage fill course shall extend from bottom of topsoil layer to bottom of footing 12" (minimum) from exterior face of foundation wall. Drainage fill shall be washed, evenly graded mixture of crushed stone, crushed or uncrushed gravel (ASTM D448), size 57, with 100% passing a 1-1/2" sieve and not more than 5% passing a No. 8 sieve. Satisfactory soil materials are defined as those complying with ASTM D2487-00 soil classified groups, GW, GP, GM, SM, SW, AND SP (Group 1 soils in accordance with Unified Soil Classification System, see Table A in Foundations & Damproofing Notes). Satisfactory soil materials shall be free of clay, rock or gravel larger than 2" in any dimension, debris, waste, frozen materials, vegetable and other deleterious matter.
R. Backfill at masonry foundation walls shall be placed in maximum 12" loose lifts and compacted to 95% of the maximum dry density of the soil in accordance with ASTM D698,ASTM D1557, or ASTM D4253 (as applicable).
S. Finish exterior face of concrete masonry units exposed to the exterior with minimum (2) coats of elastomeric paint by Pittsburgh Paint or approved equal. Color to be selected by Owner and Architect.

2.5 Anchor Bolts:

A. Anchor bolts shall be 1/2" diameter x 12" long minimum (unless noted otherwise on drawings)

2.6 Foundation Dampproofing & Drainage:

A. Foundation walls that retain earth and enclose habitable or useable spaces located below grade shall be dampproofed from the top of the footing to finish grade.
B. Dampproofing shall be with a membrane consisting of either 6-mil polyvinylchloride, 6-mil polyethylene or 40-mil polymer modified asphalt. The joints in the waterproof membranes shall be lapped and sealed with an adhesive compatible with the waterproofing membrane.
C. Drains shall be provided around all concrete or masonry foundations that retain grade and enclose habitable or useable spaces located below grade. Perforated PVC pipe (min 4"Ø) shall be installed below the top of the footing and also the floor area to be protected and shall discharge by gravity to daylight or mechanical means into an appropriate drainage system. Perforated pipe shall be placed on a minimum of 2" of drainage fill (see CN2.4Q) and covered with not less than 6" of the same material and filter fabric.
D. The grade away from the foundation walls shall fall a minimum of 6" within the first 10' (5%) unless indicated otherwise on drawings. Where lot lines, walls, slopes or other physical barriers prohibit 6" of fall within 10', drains or swales shall be provided to ensure drainage away from the structure. Impervious surfaces within 10' of the building shall be sloped a minimum of 2% away from the building.

2.7 Concrete (Slab on Grade):

A. The area within the foundation walls under the concrete slab shall have all vegetation, top soil and foreign materials removed. Fill material shall be satisfactory soil materials as specified in CN2.4Q. The fill shall be placed in 12" (maximum) loose lifts and compacted to 95% of the maximum dry density of the soil in accordance with ASTM D678, ASTM D1557, or ASTM D4253 (as applicable).
B. Concrete slab-on-grade shall be 5" thick (minimum) for factory space 4" thick (minimum) for office space unless noted otherwise on drawings.
C. Reinforce concrete slab-on-grade with flat sheets (no rolls) of 6x6 w1.4/1.4 welded wire mesh complying with ASTM A185. Pull or saddle wire mesh to prevent "bottoming". Wire mesh shall be placed at midpoint of slab depth.
D. In place of welded wire mesh, concrete slab-on-grade may be reinforced with fibermesh (or approved equal). Provide minimum of 1-1/2 lbs of polypropylene fibers (TYPE II, complying with ASTM C1116/C1116M) per cubic yard of concrete.
E. Unless noted otherwise on drawings, concrete slab-on-grade shall be placed over 6-mil vapor retarder (with joints lapped not less than 6") over 6" compacted subbase course on compacted subgrade. Provide 8" compacted subbase course under factory slab).
F. Subbase course shall consist of naturally or artificially graded mixture of natural or crushed gravel, crushed stone, crushed slag, natural or crushed fine aggregate conforming to ASTM D2940-03 with at least 95% passing a 1-1/2" sieve and not more than 8% passing a No. 200 sieve.
G. Unless noted otherwise on drawings, provide steel trowel float finish on all interior slab surfaces and light to medium broom finish and edge at all exterior slab surfaces.

2.8 Garage Separation:

Not Used

2. Construction Notes (CN): Cont.

2.9 Framing Notes:

Not Used

2.10 Interior Floor Construction:

Not Used

2.11 Roof Construction:

A. Roofing: unreinforced fully-adhered .060" EPDM with manufacturers' 15-year warranty to match existing roofing (verify roofing material in field and required warranty with Owner)
B. Roofing Accessories:

1. As required by construction drawings and for manufacturers' warranty

C. Roof Deck: 36" wide, 1-1/2" deep, 20 gauge galvanized wide rib (Type B) metal deck, fasten roof deck with 5/8" puddle welds or mechanical fasteners at a 36/4 pattern and one puddle weld or mechanical fastener per span at sidelaps
D. Framing: wide flange steel joists (see plans)
F. Insulation: (2) layers of rigid polyisocyanurate with a minimum density of 2 lb/cu ft complying with ASTM C 1289 and ASTM C13-3 and minimum R-value of 12 per layer of 2" insulation, mechanically fastened to roof deck
G. Ceiling finish: NA

2.12 Exterior Framed Wall Construction:

Not Used

2.13 Interior Wall Construction:

Not Used

2.14 Truss Construction:

Not Used

2.15 Sprinkler System Notes:

A. Provide an automatic sprinkler system designed and installed in accordance with NFPA 13
B. Sprinkler system shall provide total building coverage.
C. Sprinkler contractor shall conduct flow test to measure and confirm available site fire protection water supply (static pressure, residual pressure, flow rate and required size of sprinkler service).
D. The automatic sprinkler system operation shall initiate the fire alarm system.
E. Sprinkler system shop drawings shall indicate all equipment, water flow test results, layout and hydraulic calculation information as required by NFPA 13. Shop drawings shall be prepared by a Nicet level III fire protection engineering technician and shall be performed using the results of the contractor's flow test.
F. Sprinkler system shop draiwngs and product data shall be provided by sprinkler contractor and shall be submitted to project architect. Any project architect comments and/or concerns shall be addressed in final sprinkler system shop drawings. Final sprinkler system shop drawings shall be provided to project architect and Town of Salina Building Department prior to commencement of construction of sprinkler system.
G. Sprinkler system contractor shall provide as-built sprinkler drawings, hydraulic calculations and acceptance test documentation to project architect and Town of Salina Building Department.
H. Automatic sprinkler system shall be electrically supervised and shall have alarms in accordance with the Building Code of New York State, the Fire Code of New York State, NFPA 13, and NFPA 72.

2.16 Fire Alarm/Detection System Notes:

A. A fire alarm system and manual and automatic fire detection system shall be designed and installed by qualified fire alarm system and fire detection system designer and contractor in accordance with the Building Code of NYS, the Fire Code of NYS, and NFPA 72
B. Manual fire alarm boxes (pull stations), smoke detectors and visible/audible alarm notification appliances shall be installed in accordance with the Building Code of NYS, the Fire Code of NYS, and NFPA 72.
C. Fire alarm/detection system shop drawings shall be developed by fire alarm/detection system designer or contractor.
D. Fire alarm/detection system shop drawings and product data shall be provided by fire alarm/detection system contractor and shall be submitted to project architect and reviewed by project architect. Any project architect comments and/or concerns shall be addressed in final fire alarm/detection system shop drawings. Fire alarm/detection system contractor shall provide final fire alarm/detection system shop drawings to project architect and Town of Salina building department prior to commencement of construction of fire alarm/detection system.
E. See floor plans for suggested locations for fire alarm/detection system devices (smoke detectors, heat detectors and pull stations). Final fire alarm/detection system device locations (including audible and visual notification appliances) shall be in accordance with final fire alarm/detection system shop drawings.
F. Alarm notification shall be provided by audible and visible signals in accordance with NFPA 72 and CABO/ANSI A117.1.

2.17 Structural Steel:

A. Detail, fabricated and erect structural steel in accordance with AISC 13th Edition construction manual.
B. Materials:
Structural W-Shapes ASTM A992; other shapes and plates - ASTM A36
Pipe Columns - ASTM A53 Grade B, Type E or S, Schedule 40
Tube Columns - ASTM A500 Grade B, Fy, 46 KSI
Bolts - Connections ASTM A325
Anchor Rods - ASTM F1554
Welding Electrodes - E70XX Series
Paint - Approved primer, 2 mils thick
C. Shop Connections - welded unless otherwise noted.
D. Field Connections - 3/4" A325 bolts, as required.
E. All welding by certified welders and in accordance with AWS D1.1-94, structural welding code.
F. Provide framed beam shear connections per AISC 13th Edition, Part 10. For bolted double angle connections use 3/4" bolts.
G. Structural steel contractor shall verify in the field all existing conditions at the site prior to beginning any work. If existing field conditions do not permit the installation of the work in accordance with the details as shown; notify Architect immediatley.
H. Care shall be taken during the erection of structural steel so as not to disturb existing adjacent construction. Shore and/or brace existing construction as required to install new work.
I. Provide holes in the structural steel as required to attach the wood blocking. See architectural drawings.
J. Submittals:
Shop drawings to include erection plans and fabrication details for steel framing.

To the best of my knowledge all drawings meet or exceed the current edition of the NYS Building Code (adopted 01-01-2010).

HARMONY
ARCHITECTURAL ASSOCIATES
WILLIAM J. FERRALDO, ARCHITECT
DAVID P. COLEGROVE, ARCHITECT
1860 Erie Blvd. E. Syracuse, NY 13210
(p) 315.476.9635 (f) 315.218.0030

Addition for:
PROJECT LOCATION: 110 Luther Avenue
OWNER: Syracuse Label & Surround Printing

REVISIONS		
1	03-04-11	PERMIT-BID
2	03-11-11	RADON/BEAM LOCATION/BAR JOIST OPTION

SHEET NAME: CONSTRUCTION NOTES
SHEET SCALE: AS NOTED
DATE: 03-04-2011
DRAWN BY: JL
CHECKED BY: DC
JOB NUMBER: 2011-003

CONSTRUCTION NOTES

C-2

PLOT DATE: 3/3/2011 11:56 AM
Cover Syracuse Label 2011-003 COPY 02-28-2011.dwg

Addition for:
Syracuse Label & Surround Printing
110 Luther Avenue
Liverpool, NY 13088

Drawing List:

- C-1 COVER SHEET - DESIGN DATA, STANDARDS, & CODE REVIEW
- C-2 CONSTRUCTION NOTES
- A-1 PLANS & ELEVATIONS
- A-2 SECTIONS & DETAILS

Design Loads/ Climatic & Geographic Design Criteria:

Floor Load:	125 PSF (Light Manufacturing) 100 PSF (Office)
Frostline Depth:	48"
Roof Snow Load:	35 PSF
Ground Snow Load (Pg):	50 PSF
Exposure Factor (Ce):	1.0
Importance Factor (Is):	1.0
Thermal Factor (Ct):	1.0
Wind Load:	Wall 14 PSF
Basic Wind Speed:	90 MPH (3 second gust)
Exposure Category:	B
Importance Factor (Iw):	1.0
Seismic Load:	$V = \frac{1.2Sds (W)}{R} = \frac{1.2 (.20) (83.7K)}{2.0} = 10.0K$
Importance Factor (Ie):	1.0
Site Coefficient:	D
Seismic Use Group:	I
Seismic Mapped Acceleration Factors:	Ss= 0.18 S1=0.062
Seismic Design Category:	B
Structural System:	Masonry Shear Walls R = 2.0
Analysis Procedure:	Simplified

LEGEND

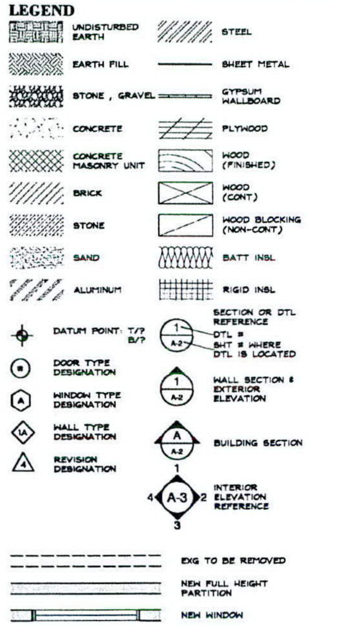


TABLE 1804.2
ALLOWABLE FOUNDATION AND LATERAL PRESSURE

CLASS OF MATERIALS	ALLOWABLE FOUNDATION PRESSURE (psf)(d)	LATERAL BEARING (psf/f below natural grade)(d)	LATERAL SLIDING	
			COEFFICIENT OF FRICTION (a)	RESISTANCE (psf)(b)
1. CRYSTALLINE BEDROCK	12,000	1,200	0.70	-
2. SEDIMENTARY AND FOLIATED ROCK	4,000	400	0.35	-
3. SANDY GRAVEL AND/OR GRAVEL GW & GP	3,000	200	0.35	-
4. SANDY , SILTY SAND, CLAYEY SAND, SILTY GRAVEL AND CLAYEY GRAVEL (SW, SP, SM, SC, GM & GC)	2,000	150	0.25	-
5. CLAY, SANDY CLAY, SILTY CLAY, CLAYEY SILT, SILT AND SANDY SILT (CL, ML, MH & CH)	1,500 (c)	100	-	130

FOR SI: 1 POUND PER SQURE FOOT = 0.0479kPa, 1 POUND PER SQUARE FOOT = 0.157 kPa/m
a. COEFFICIENT TO BE MULTIPLIED BY THE DEAD LOAD.
b. LATERAL SLIDING RESISTANCE VALUE TO BE MULTIPLIED BY THE CONTACT AREA, AS LIMITED BY SECTION 1804.3.
c. WHERE THE CODE ENFORCEMENT OFFICIAL DETERMINES THAT IN-PLACE SOILS WITH AN ALLOWABLE BEARING CAPACITY OF LESS THAN 1,500 psf ARE LIKELY TO BE PRESENT AT THE SITE, THE ALLOWABLE BEARING CAPACITY SHALL BE DETERMINED BY A SOILS INVESTIGATION.
d. AN INCREASE OF ONE-THIRD IS PERMITTED WHEN USING THE ALTERNATE LOAD COMBINATIONS IN SECTION 1605.3.2 THAT INCLUDE WIND OR EARTHQUAKE LOADS.

SILTY CLAY (ML-CL) IS ASSUMED TO BE LOCATED APPROXIMATELY 48" - 72" FROM THE SURFACE.

THE ANTICIPATED BOTTOM OF FOOTING ELEVATION WILL BE LOCATED 48" MINIMUM BELOW FINISH GRADE, THEREFORE: **ASSUMED ALLOWABLE FOUNDATION PRESSURE SHALL BE 1,500 psf** IN ACCORDANCE WITH BCNYS TABLE 1804.2 (ALLOWABLE FOUNDATION AND LATERAL PRESSURE) FOR EXISTING CLASS 5 MATERIALS.

Referenced Standards:

COMPLY WITH THE FOLLOWING STANDARDS IN EFFECT AS OF THE DATE OF THE CONTRACT DOCUMENTS UNLESS OTHERWISE INDICATED.

AA	Aluminum Association, Inc. (The)
ACI	American Concrete Institute
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
ALSC	American Lumber Standard Committee, Inc.
APA	APA-The Engineered Wood Association
ASME	ASME International (American Society of Mechanical Engineers International)
ASTM	ASTM International (American Society for Testing and Materials International)
AWI	Architectural Woodwork Institute
AWPA	American Wood Protection Association (Formerly: American Wood Preservers' Association)
CRSI	Concrete Reinforcing Steel Institute
HMMA	Hollow Metal Manufacturers Association (part of NAAMM)
HPVA	Hardwood Plywood & Veneer Association
MPI	Master Painters Institute
NCMA	National Concrete Masonry Association
NEMA	National Electrical Manufacturers Association
NFPA	National Fire Protection Association
NOMMA	National Ornamental & Miscellaneous Metals Association
NRMCA	National Ready Mixed Concrete Association
NSSGA	National Stone, Sand & Gravel Association
PDI	Plumbing & Drainage Institute
SEI/ASCE	Structural Engineering Institute/American Society of Civil Engineers
SMACNA	Sheet Metal and Air Conditioning Contractors' National Association
SWRI	Sealant, Waterproofing & Restoration Institute
TMS	The Masonry Society
UL	Underwriters Laboratories Inc.
WMMPA	Wood Moulding & Millwork Producers Association
WWPA	Western Wood Products Association

Abbreviation List:

AB	ANCHOR BOLT
AC	AIR CONDITIONING
ACT	ACOUSTIC CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
B/	BOTTOM OF
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BOH	BOTTOM OF HEADER
BP	BEARING PLATE
CB	CATCH BASIN
CDN	CODE NOTES
CFM	CUBIC FEET per MINUTE
CH	COUNTERTOP HEIGHT
CJ	CONTROL JOINT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
CN	CONSTRUCTION NOTES
COMP	COMPACT(ED)
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CPT	CARPET
CRS	COURSE(S)
CT	CERAMIC TILE
CTRTP	COUNTERTOP
D	DEEP
DBL	DOUBLE
DF	DOUGLAS FIR
DIA	DIAMETER
DO	DOOR OPENING
DR	DOOR
DTL	DETAIL
DW	DISHWASHER
EA	EACH
EQ	EQUAL
EXG	EXISTING
EXT	EXTERIOR
FBGL	FIBERGLASS
FD	FLOOR DRAIN
FIN	FINISH
FIXT	FIXTURE
FLR	FLOOR
FP	FIREPLACE
FRP	FIBERGLASS REINFORCED PANEL
FTG	FOOTING
GN	GENERAL NOTES
G&N	GLUED & NAILED
G&S	GLUED & SCREWED
GA	GAUGE
GC	GENERAL CONTRACTOR
GL	GLASS
GYP BD	GYPSUM BOARD
H	HIGH
HC	HOLLOW CORE
HCWD	HOLLOW CORE WOOD
HDR	HEADER
HF	HEM FIR
HGT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HW	HOT WATER
INSUL	INSULATION
INT	INTERIOR
JST	JOIST
JT	JOINT
KD	KNOCK DOWN
LF	LINEAR FEET
LOC	LOCATION
LVL	LAMINATED VENEER LUMBER
MAT	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MAN HOLE
ML	MICROLLAM
MIN	MINIMUM
MO	MASONRY OPENING
N	NATURAL, CLEAR COAT
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OHD	OVERHEAD DOOR
OHFD	OVERHEAD FIRE DOOR
OPG	OPENING
OV	OAK VENEER
PPL	PUSH-PULL LATCH
PT	PRESSURE TREATED
PL	PLATE
PNT	PAINT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
RA	RETURN AIR
RB	RUBBER BASE
RD	ROOF DRAIN
REINF	REINFORCED
REQD	REQUIRED
RM	ROOM
RO	ROUGH OPENING
R/S	ROUGH SAWN
SCWD	SOLID CORE WOOD
SD	SMOKE DETECTOR
SF	SQUARE FEET
SFLR	SUB-FLOOR
SHGL	SHINGLE
SHT	SHEET
SI	SQUARE INCH
SIM	SIMILAR
SOG	SLAB ON GRADE
SPECS	SPECIFICATIONS
SPF	SPRUCE PINE FIR
STL	STEEL
STN	STAIN
SYP	SOUTHERN YELLOW PINE
T&G	TONGUE & GROOVE
T/	TOP OF
TH	THICK/THICKNESS
TOPL	TOP OF PLATE
TOS	TOP OF SLAB
TOSF	TOP OF SUB FLOOR
TOST	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VB	VAPOR BARRIER
VCT	VINYL COMPOSITE TILE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VP	VISION PANEL
VWC	VINYL WALL COVERING
W	WIDE
W/	WITH
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WIC	WALK IN CLOSET
WOM	WALK OFF MAT
WM	WELDED METAL
WR	WATER RESISTANT
WWM	WELDED WIRE MESH

Code Review

Project:
Addition for Syracuse Label and Surround Printing

Project Location:
110 Luther Avenue, Liverpool, New York 13088

Construction Classification:
Type 2B (noncombustible, unprotected)

Building Floor Areas & Occupancy Classifications:

FLOOR	EXG OCCUPANCY	EXG USE	EXG FLOOR AREAS	PROPOSED FLOOR AREAS	ALLOWED[a] FLOOR AREAS	PROPOSED OCCUPANCY LOAD
1	B(BUSINESS)	OFFICE	4,095 SF	4,786 SF	69,000 SF	48
1	F-1(FACTORY)	PRINTING	20,465 SF	21,199 SF	46,500 SF	212
1	S-1(STORAGE)	WAREHOUSE	12,420 SF	12,420 SF	52,500 SF	25
TOTALS			36,980 SF	38,405 SF	168,000 SF	285

FLOOR	EXG OCCUPANCY	EXG USE	EXG FLOOR AREAS	PROPOSED FLOOR AREAS	ALLOWED[a] FLOOR AREAS	PROPOSED OCCUPANCY LOAD
2	B(BUSINESS)	OFFICE	2,204 SF	2,204 SF	69,000 SF	22

a) Including permitted area increase for automatic sprinklers

Building Heights:
Maximum allowable building height for F-1 occupancy classification of Type 2B Construction is 3-stories and 75'. The F-1 occupancy classification represents the most restrictive allowance of the three existing occupancy classifications in the building in accordance with BCNYS Table 503. The maximum allowable building heights include the permitted automatic sprinkler increase.

The proposed addition is 1-story and approximately 14' high.

Fire Protection:

Automatic Sprinkler System:
The existing automatic sprinkler system shall be extended and modified to provide full sprinkler coverage for the proposed addition in accordance with the requirements of the BCNYS, Fire Code of NYS and NFPA 13. All modifications to the existing sprinkler system shall be in accordance with the BCNYS, Fire Code of NYS, and NFPA 13. Fire protection systems shall also be monitored by an approved supervising station in accordance with NFPA 72. Final sprinkler system drawings shall be submitted separately by others (sprinkler system designer).

Fire Alarm System
The existing fire alarm and fire detection system shall be extended and modified to include the proposed addition in accordance with BCNYS, Fire Code of NYS and NFPA 72. The new portion of the fire alarm system and fire detection system shall be integrated with the existing building fire alarm & fire detection systems. Pull stations (manual fire alarm boxes), smoke detectors and visible/ audible alarm notification appliances shall also be installed in accordance with the BCNYS, Fire Code of NYS and NFPA 72. Final fire alarm & detection system design drawings shall be submitted separately by others (fire alarm designer).

Portable Fire Extinguishers:

A. Provide required fire extinguishers in accordance with the requirements of BCNYS (Section 906), FCNYS (Section 906), NFPA 10, and the local fire jurisdiction.
B. Provide multipurpose dry chemical Type UL rated 4A:60B:C fire extinguishers.
C. Hand held portable fire extinguishers shall be installed on the hangers or brackets supplied. Hangers or brackets shall be securely anchored to the mounting surface in accordance with the manufacturer's installation instructions.
D. Portable fire extinguishers (with a gross weight not exceeding 40 lbs) shall be installed so that the top is not more than 5'-0" above the floor. Provide minimum 4" clearance between floor and bottom of installed fire extinguishers.
E. See floor plan for suggested fire extinguisher locations.
F. Verify required fire extinguisher quantities, types, sizes and locations with local fire jurisdiction.

Required Fire Ratings:

Occupancy Separation

1-hour fire resistance rated fire barrier w/ 3/4 hour opening protectives is required between B occupancy and F-1 and S-1 occupancies with automatic sprinkler systems (BCNYS T508.3.3)

No fire resistance separation is required between S-1 and F-1 occupancies (BCNYS T508.3.3)

2-hour fire resistance rated fire barrier w/ 1-1/2 hour opening protectives is provided between B occupancy and F-1 and S-1 occupancies

Emergency Egress
Printing Room = 53 occupants (BCNYS T1004.1.1)
Office = 48 occupants (BCNYS T1004.1.1)
Total Occupants = 101 occupants (using exits affected by proposed addition)

Access Aisle Width:
Minimum clear width required - 36" (BCNYS 1014.4)
Minimum clear width to be provided - 36"

Exit Door Width:
Minimum clear width required - 32" (BCNYS 1002.1.1)
Minimum clear width provided - 33"

Enclosed Exit Stairways:
N/A

Minimum Exit Requirements:
Exits required = 2 (BCNYS 1018.1)
Exits provided = (2) for Office and (4) for Printing Room

Exit Doorway Arrangement:
Minimum separation required (w/ sprinklers) = 151' (diagonal) /3 =51' (BCNYS 1015.2)
Minimum separation provided (w/ sprinklers) = 72'

Common Path of Egress Travel:
Maximum permitted for B, F and S occupancies with sprinklers = 100' (BCNYS 1014.3, Exception #1)
Maximum provided with sprinklers = ± 85' (within existing office)

Exit Travel Distance:
Maximum permitted for F-1 and S-1 occupancies with sprinklers = 250' (most restrictive allowance for the existing occupancy classifications per BCNYS Table 1016.1)
Maximum provided with sprinklers = ±164' (from Printing Room)

Exit Signs:
Internally illuminated exit signs shall be provided in accordance with BCNYS Sections 1011, including required tactile exit signs at egress stairway entrances, exit passageways, and exit discharge. See plan for suggested locations of exit signs. Sign locations may vary per requirements of local fire jurisdiction and signs selected.

Emergency Lighting:
Emergency lighting shall be provided in means of egress in accordance with BCNYS Section 1006. Emergency lighting shall be arranged to provide an initial illumination that is at least an average of (1) foot candle and minimum of 0.1 foot candle measured along the path of egress @ floor level. Illumination levels shall be permitted to decline to a (0.6) foot candle average and a minimum of (.06) foot candle at the end of the emergency lighting time duration. A maximum to minimum illumination uniformity ratio of 40 to 1 shall not be exceeded.

The emergency power system shall provide power for not less than 90 minutes and consist of storage batteries, unit equipment or on-site generator. Installation of emergency power system shall be in accordance with BCNYS Section 2702 of the Fire Code of NYS (FCNYS).

See plan for suggested locations of emergency lighting. Emergency light fixture locations may vary per requirements of local fire jurisdiction and fixtures selected.

Interior Finishes

All new wall and ceiling finishes shall be in accordance with BCNYS Section 803.

Minimum wall and ceiling finish class ratings for B, F, and S occupancies with sprinklers (per BCNYS Table 803.5) shall be Class C for corridors and Class C for rooms and enclosed spaces.
- Class A: Flame spread 0-25; smoke-developed 0-450
- Class B: Flame spread 26-75; smoke-developed 0-450
- Class C: Flame spread 76-200; smoke-developed 0-450

All new interior floor finishes shall be in accordance with BCNYS Section 804

Plumbing

All plumbing fixtures are currently located within the existing building. There will be no changes to the existing plumbing fixtures or toilet rooms.

All plumbing fixture quantities are listed in the table below in the following order: required-existing-proposed (eg. 2-2-0)

FLOOR	EXG OCCUPANCY	EXG USE	PROPOSED FLOOR AREAS	PROPOSED TOTAL OCCUPANCY LOAD	WC (M)	WC (F)	LAV (M)	LAV (F)	DF	SS
1	B(BUSINESS)	OFFICE	6,990 SF	70 (35/35)	2-2-0	2-2-0	1-2-0	1-2-0	c	b
1	F-1(FACTORY)	PRINTING	21,199 SF	212 (106/106)	2-2-0	2-2-0	2-2-0	2-2-0	c	b
1	S-1(STORAGE)	WAREHOUSE	12,420 SF	25 (13/13)	a	a	a	a	c	b

a) Factory and storage requirements for water closets and lavatories are the same in accordance with Plumbing Code of NYS Table 403.1 [(1) fixture per 100 occupants]. The proposed floor areas and occupancy loads have been combined to determine the total quantity of fixtures required for both occupancies.

b) The required drinking fountain ratios in accordance with the Plumbing Code of NYS Table 403.1 are as follows:
   (1) per 100 occupants for B occupancy classification
   (1) per 400 occupants for F-1 occupancy classification
   (1) per 1000 occupants for S-1 occupancy classification

   The required drinking fountain ratios were modified to be in the same terms (per 1000 occupants) in order to determine the required number of drinking fountains for a building with multiple occupancy classifications but only one tenant.
   70 calculated occupants out of 100 permitted occupants for B occupancy classification = 700/1000
   212 calculated occupants out of 400 permitted occupants for an F-1 occupancy classification = 530/1000
   25 calculated occupants out of 1000 permitted occupants for an S-1 occupancy classification = 25/1000

   700/1000 + 530/1000 + 25/1000 = 1255/1000
   1255 occupants (adjusted) /1000 occupants per drinking fountain = 2 required drinking fountains

   The existing building has (2) existing drinking fountains and therefore complies with the requirements of the Plumbing Code of NYS (Table 403.1)

c) (1) service sink is required for this building in accordance with the Plumbing Code of NYS (Table 403.1) The existing building has (2) service sinks and therefore complies with the requirements of the Plumbing Code of NYS

Mechanical Ventilation

Minimum required outdoor ventilation air shall be provided in accordance with the Mechanical Code of New York State.

Lighting

Artifical light shall be provided for all spaces intended for human occupancy in accordance with the Building Code of New York State

Heating

Interior spaces intended for human occupancy shall be provided with a heating system in accordance with the Building Code of New York State.

To the best of my knowledge all drawings meet or exceed the current edition of the NYS Building Code (adopted 01-01-2010).

HARMONY
ARCHITECTURAL ASSOCIATES
WILLIAM J. FERRALDO, ARCHITECT
DAVID P. COLEGROVE, ARCHITECT
1860 Erie Blvd. E. Syracuse, NY 13210
(p) 315.478.9935 (f) 315.218.0030

Addition for:
PROJECT LOCATION: 110 Luther Avenue
OWNER: Syracuse Label & Surround Printing

REVISIONS		
1	03-04-11	PERMIT-BID
2	03-11-11	RADON/BEAM LOCATION/BAR JOIST OPTION

SHEET NAME: COVER SHEET
SHEET SCALE: AS NOTED
DATE: 03-04-2011
DRAWN BY: JL
CHECKED BY: DC
JOB NUMBER: 2011-003

COVER SHEET

C-1

PLOT DATE: 3/3/2011 11:56 AM
Cover Syracuse Label 2011-003 COPY 02-28-2011.dwg

Attachment 2

Richard A. Kornbluth
Radon Home Services, Inc

Has satisfactorily fulfilled the requirements set forth by the
National Radon Proficiency Program and is therefore certified as a:

Residential Mitigation Provider

NRPP ID # 100038RMT Expires 7/31/2012

NATIONAL RADON PROFICIENCY PROGRAM
NEHA
1998

In Witness Whereof,
I have subscribed my name and affixed the
Seal of the Association

Angel Anderson Price

Angel Anderson Price
NEHA-NRPP Executive Director

Valid for specific activities or measurement devices, which can be verified with NEHA.
State and local agencies may have additional requirements.