



**SITE PLAN**  
SCALE 1" = 20'-0"

**LEGEND**

PAGE#		
1	A1	- SITE PLAN
2	A2	- FLOOR PLAN
3	A3	- ADA DETAILS/DOOR SCHEDULE
4	A4	- ELEVATIONS
5	A5	- WALL PANEL DETAILS
6	A6	- WALL SECTIONS
7	A7	- WALL SECTIONS
8	S1	- FOUNDATION PLAN
9	S2	- DOCK FOUNDATION PLAN
10	S3	- ROOF FRAMING PLAN
11	P1	- PLUMBING PLAN & SPECIFICATIONS

**GENERAL NOTES:**

ZONING: MANUFACTURING  
 CONSTRUCTION CLASSIFICATION: TYPE 2C  
 USE GROUP: S-1

BUILDING CODE: 1999 BOCA BUILDING CODE  
 MECHANICAL CODE: 1999 BOCA MECHANICAL CODE  
 FIRE CODE: 1999 BOCA NATIONAL FIRE PREVENTION CODE  
 ELECTRICAL CODE: 2002 NATIONAL ELECTRIC CODE  
 PLUMBING CODE: ILLINOIS STATE PLUMBING CODE 1998  
 HANDICAP CODE: 1997 STATE OF ILLINOIS ACCESSIBILITY STANDARDS AND A.D.A. REQUIREMENTS

**SITE**

LOT AREA = 42,075 S.F. (0.966 ACRES)  
 BUILDING AREA = 20,696 S.F.  
 MAXIMUM IMPERVIOUS AREA = 42,075 S.F. LOT AREA x 75% = 31,556 S.F.  
 ACTUAL IMPERVIOUS AREA = 30,335 S.F.

**PARKING**

TOTAL BUILDING S.F. = 20,696 S.F.  
 16% OFFICE = (3300 S.F./300) x 1 = 11 CARS  
 WAREHOUSE = (1 SPACE/5000 S.F.) x 17,396 S.F. = 4 CARS

TOTAL CARS REQUIRED = 15 CARS  
 ACTUAL CARS = 21 CARS OK

**HEIGHT AND AREA CALCULATIONS:**

TYPE 2C CONSTRUCTION-UNPROTECTED/S-1 USE GROUP = 8400 S.F.  
 TABULAR AREA = 8400 S.F.  
 AREA INCREASE DUE SPRINKLER SYSTEM = TABULAR AREA INCREASE BY 200% = 16,800 S.F.  
 AREA INCREASE DUE TO FRONTAGE (%) = 100((412'-0"/636'-0")-.25 (2%))=79.56% = 6683 S.F.  
 ALLOWABLE FLOOR AREA = 31,883 S.F.  
 ACTUAL BUILDING AREA = 20,696 S.F. OK

**FIRE RESISTANT RATINGS OF STRUCTURE ELEMENTS:**  
(TYPE 2C) USE S-1 TABLE 602

- STRUCTURAL FRAME (COLS., GIRDERS, & TRUSSES) = 0.0 HOURS
- BEARING WALLS - EXTERIOR = 0.0 HOURS
- BEARING WALLS - INTERIOR = 0.0 HOURS
- FLOOR CONSTRUCTION = 0.0 HOURS
- ROOF CONSTRUCTION = 0.0 HOURS

MAX OCCUPANCY LOAD PER BOCA CODE

OFFICE = 3300 S.F./100 S.F.	= 33 PEOPLE
WAREHOUSE = 17,396 S.F./300 S.F.	= 58 PEOPLE
TOTAL	= 91 PEOPLE
ACTUAL OCCUPANCY LOAD	= 15 PEOPLE

OCCUPANCY LOAD PER IL PLUMB. CODE 890.810

OFFICE = 3300 S.F./200 S.F.	= 17 PEOPLE
WAREHOUSE = 17,396 S.F./400 S.F.	= 43 PEOPLE
TOTAL	= 60 PEOPLE
ACTUAL OCCUPANCY LOAD	= 15 PEOPLE

THE DESIGN SHOWN ON THESE DRAWINGS IS INTENDED FOR THIS PROJECT ONLY. ANY USE OF THESE DRAWINGS FOR OTHER STRUCTURES IS EXPRESSLY FORBIDDEN WITHOUT WRITTEN CONSENT OF EKASH ASSOCIATES, INC. AND RELIEVE EKASH ASSOCIATES, INC. OF ANY FURTHER RESPONSIBILITY FOR THIS DESIGN.

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**COMBINED DEVELOPMENT, INC.** 630/321-1850

**EKASH ASSOCIATES LTD.**  
 ARCHITECTS and STRUCTURAL ENGINEERS  
 22W965 HILLCREST TERRACE MEDINAH, IL 60157  
 PROFESSIONAL DESIGN FIRM #184-003773 TEL. 630-894-1858

**LOT 25 - AFTON ROAD**  
 SYCAMORE PRAIRIE BUSINESS PARK  
 PROPOSED OFFICE/WAREHOUSE BUILDING  
 SYCAMORE, IL

**ISSUED FOR:** 12/12/05  
**SCHEMATIC DESIGN #1:** 01/17/06  
**DESIGN DEVELOPMENT:** 03/15/06  
**SHELL PERMIT:**

**JOB NUMBER**  
**2005-51**  
 EK

1 OF 11  
**A1**

The ARCHITECT shall not have control over or charge of and shall not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, since these are solely the CONTRACTOR'S responsibility under the Contract for Construction. The ARCHITECT shall not be responsible for the CONTRACTOR'S schedules or failure to carry out the Work in accordance with the Contract Documents. The ARCHITECT shall not have control over or charge of acts or omissions of the CONTRACTOR, SUBCONTRACTORS or their agents or employees, or of any other persons performing portions of their Work.

THIS IS TO CERTIFY THAT THESE DRAWINGS WERE PREPARED UNDER MY DIRECT SUPERVISION AND THAT TO THE BEST OF MY KNOWLEDGE THEY COMPLY WITH THE LOCAL BUILDING CODES AND ILLINOIS ACCESSIBILITY CODE.

JOSEPH R. KASUBA  
 ILLINOIS LICENSED ARCHITECT #7381  
 LICENSE EXPIRES: NOVEMBER 30, 2006

03/15/06  
 DATE

EXPIRES 11/30/06  
 CERTIFICATION FOR 11 SHEETS ONLY  
 (A1-A7, S1-S3, & P1)

**SHELL PERMIT**  
**03/15/06**