

# A NEW BUILDING FOR SAM JACKSON

## AUTOBODY BLDG #3

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 RAYMOND, OHIO 43067  
 UNION CO.  
 LIBERTY TOWNSHIP

### GENERAL NOTES FOR CONSTRUCTION

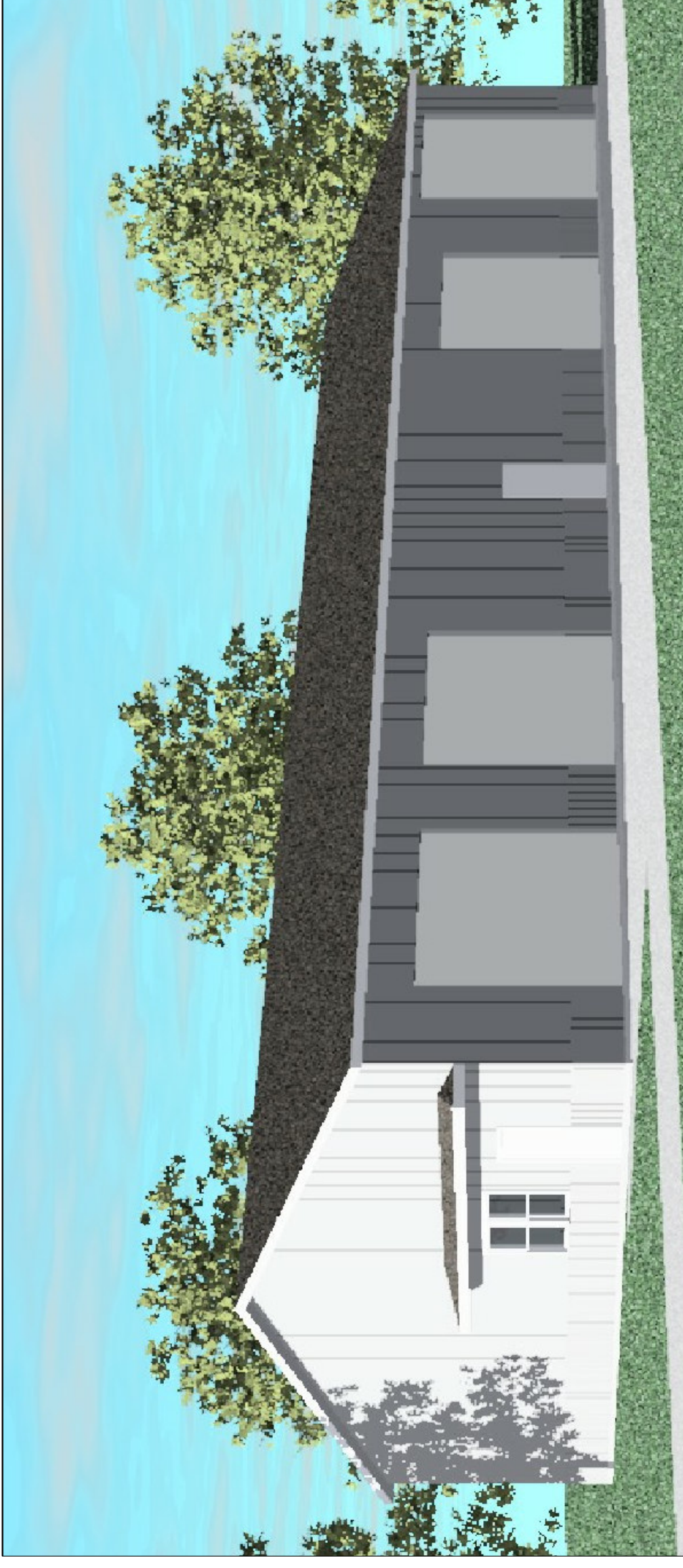
- ALL DIMENSIONS SHALL BE VERIFIED AT THE JOB BY THE GENERAL CONTRACTOR AND EACH SUB-CONTRACTOR AND THE ENGINEER MUST BE NOTIFIED OF ANY DISCREPANCIES WITH DIMENSIONS OR ANY OTHER FIELD CHANGES WITHIN 48 HOURS OF THE DISCOVERY OF SUCH DISCREPANCIES. FIELD CHANGES WHICH AFFECT MEANS OF EGRESS OR ANY OTHER LIFE SAFETY ITEMS WHICH ARE COVERED BY OBC AFTER THE BUILDING PERMIT HAS BEEN ISSUED SHALL BE APPROVED BY THE ENGINEER. ALL MECHANICAL WORK SHALL CONFORM TO ALL APPLICABLE ELECTRICAL AND MECHANICAL BUILDING CODES. FINAL APPROVAL AT THE SITE WITH THE COVERING AGENCY'S INSPECTOR IS MANDATORY.
- IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THESE ASSUMPTIONS, AND ALSO TO MAKE NECESSARY REVISIONS TO THE BUILDING STRUCTURE AND THE PARKING LOT DESIGN. ALL NECESSARY INFORMATION TO BE NOTED OR DOCUMENTED PROVIDED BY THE ARCHITECT SHALL BE PROVIDED TO THE STRUCTURAL ENGINEERING FIRM TO INCLUDE FINAL SITE AND GRADING PLAN DOCUMENTS.
- ANY PRE-ENGINEERED WOOD TRUSSES OR PRE-ENGINEERED WOOD BEAMS SHALL BE PROVIDED TO THE GENERAL CONTRACTOR BY THE MANUFACTURER OF THE PRE-ENGINEERED SYSTEM AND SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER BEARING HIS/HER STAMP.
- THE CONTRACTOR SHALL CONDUIT AND BE RESPONSIBLE FOR THE SEQUENCING OF THE CONSTRUCTION. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION METHODS AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER SHORING, SHEETING, TEMPORARY BRACING GUYS OR TIE-DOWNS WHICH MIGHT BE NECESSARY.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO FOLLOW ALL APPLICABLE SAFETY & BUILDING CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION.
- THESE CONTRACT DOCUMENTS ARE DESIGNED TO MEET THE REQUIREMENTS FOR THE STATE OF OHIO AND THE 2005 OBC.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO INSPECT THE EXISTING CONDITIONS AND TO VERIFY THE LOCATION OF ALL UTILITIES AND MATERIALS NECESSARY FOR FIELD OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD OPERATIONS AND DEVIATIONS TO THE DESIGN AS SHOWN SHALL BE SUBMITTED TO CONCEPT BUILDINGS.
- THIS STRUCTURE IS NOT LOCATED IN A FLOOD HAZARD AREA.
- INTERIOR WALLS AND CEILING FINISH SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN THAT SPECIFIED IN TABLE 803.5 FOR THE GROUP AND LOCATION DESIGNATED. WALLS AND CEILING GYP BO W/P/PAINT AND FLOORS SEALED CONCRETE.
- SEE CHAPTER 8, SECTION 804.5.1 FOR INTERIOR FLOOR FINISH REQUIREMENTS. INTERIOR FLOOR FINISHES SHALL NOT BE LESS THAN CLASS II. INTERIOR FLOOR FINISHES OF RESTROOMS SHALL COMPLY WITH THE DOC FF-1 "PILL TEST" CPSC 16 CFR, 1630 (LISTED IN CHMP. 35).
- ADAG 4.27.3 CONTROLS AND OPERATING MECHANISMS - HEIGHT: THE HIGHEST PART OF CONTROLS, DISPENSERS, RECEPTABLES AND OTHER OPERABLE EQUIPMENT SHALL BE PLACED WITHIN AT LEAST ONE OF THE FOLLOWING HEIGHTS: 48-IN. MAXIMUM HEIGHT/15-IN. MINIMUM SIDE APPROACH REQUIRES 54-IN. MAXIMUM/9-IN. MINIMUM ELECTRICAL AND COMMUNICATIONS SYSTEM RECEPTACLE ON WALLS SHALL BE MOUNTED NO LESS THAN 15-IN ABOVE FLOOR. ALL OUTLETS TO BE MIN. 15" AFF. SWITCHES TO BE 42" MAX AFF. THERMOSTATS TO BE 48" MAX AFF.

### GENERAL BUILDING NOTES

- DOORS SHALL SWING IN THE DIRECTION OF EGRESS. WHEN THE OCCUPANT LOAD IS OVER 50, SEE CHAPTER 10, SECTION 1008.1.2 OF THE OBC.
- PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED IN OCCUPANCIES AND LOCATIONS AS REQUIRED BY THE INTERNATIONAL FIRE CODE. OBC 906.1.1. EXTINGUISHERS SHALL BE ABLE TO OPERATE FROM EACH EXTERIOR EXIT DOOR AND OTHER LOCATIONS PER LOCAL FIRE MARSHAL. SEE FLOOR PLAN A.3 FOR LOCATION.
- ALL MEANS OF EGRESS DOORS SHALL BE READILY OPENABLE FROM THE INSIDE. SEE CHAPTER 10, SECTION 1008.1.6 OBC. SEE SHEET A.3 FOR DOOR SIZES AND LOCATIONS. ALL HARDWARE SHALL BE LEVER TYPE HARDWARE.
- THE DOOR HARDWARE SHALL BE CAPABLE OF OPERATION WITH ONE HAND AND SHALL BE OPERABLE FROM THE INSIDE OF THE DOOR. SEE CHAPTER 10, SECTION 1008.1.6.1-1008.1.6.2 OF THE OBC.
- PROVIDE DRAFTSTOPPING IN THE CONCEALED ROOF SPACE EVERY 3,000 FT<sup>2</sup> FOR DRAFTSTOPPING MATERIALS. DRAFTSTOPPING LOCATION IS ON FLOOR PLAN SHEET A.3
- DRINKING FOUNTAINS AND WATER COOLERS SHALL HAVE SPOUTS NO HIGHER THAN 30 INCHES AND MEET THE REQUIREMENTS OF CHAPTER 4.15 OF ADAG.
- THE HEIGHT OF WATER CLOSETS SHALL BE 17 INCHES TO 19 INCHES OF THE TOILET SEAT AND MEET THE REQUIREMENTS OF SECTION 4.16 ADAG.
- TOILETS STALLS SHALL MEET THE REQUIREMENTS OF SECTION 4.17 ADAG.

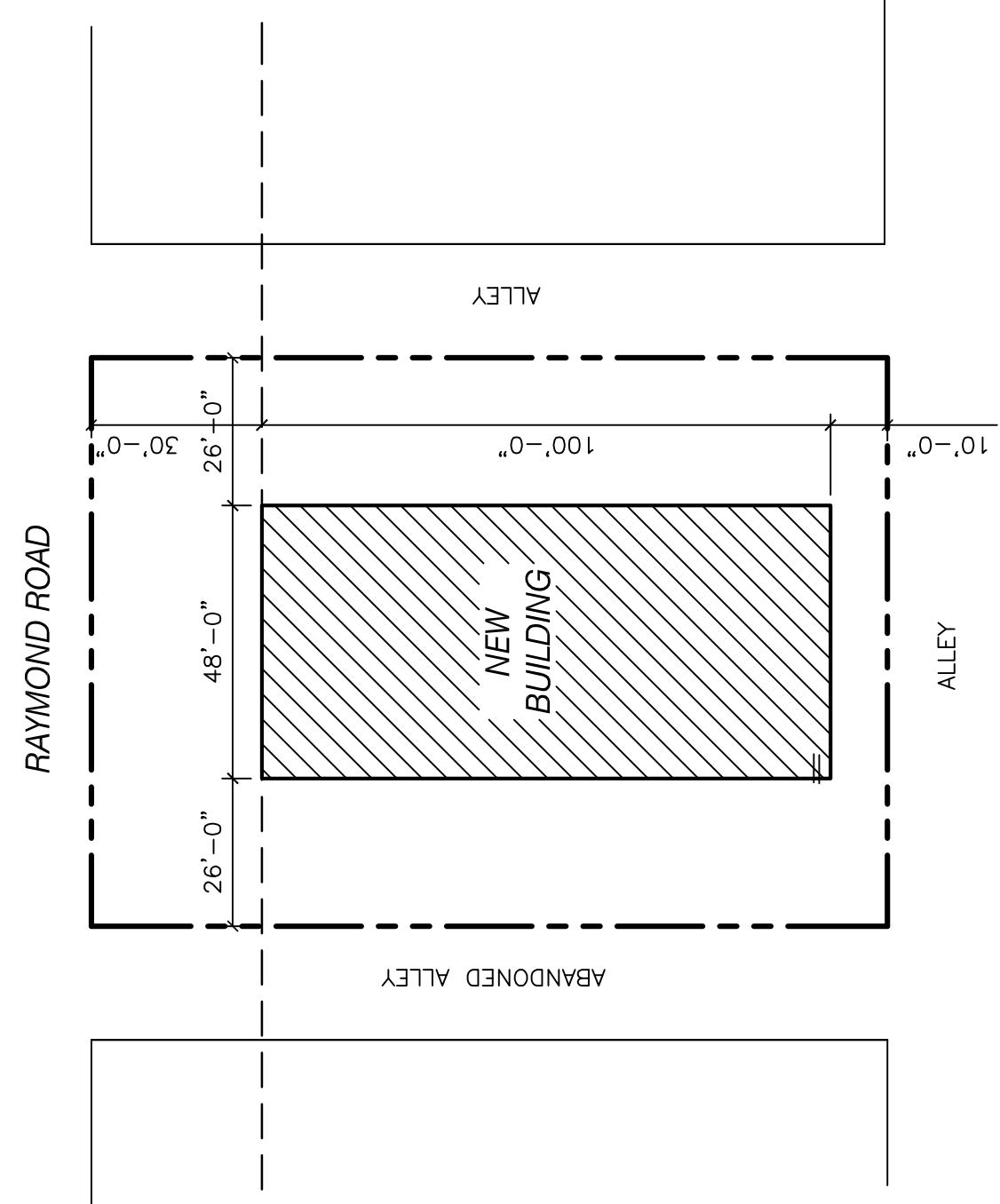
### STRUCTURAL NOTES

- STRUCTURAL DESIGN LOADS:
  - FLOOR LIVE LOAD: 100 psf
  - ROOF LIVE LOAD: 20psf
  - CORRESPONDING TO 90mph WIND SPEED.
  - ATTC LIVE LOAD: 20psf
  - ROOF AND SNOW LOAD: 20psf
  - SOIL LOAD BEARING: ASSUMED 1500psf
- CONCRETE STRENGTH:
  - MINIMUM CONCRETE REQUIREMENTS, SEE TABLE 1904.2.1, PER OBC. SEE SECTION 1904.2.1 FOR NOTES ON REINFORCEMENT, FREEZE AND SHAWING PROTECTING CHAIRS, AND REINFORCEMENT SPACING. THE AGGREGATE USED IN THE CONCRETE MIXTURE, MIXTURE AIR CONTENT WILL BE BETWEEN 4.5% AND 7.5%. SEE TABLE 1904.2.1.
  - FOOTINGS AND FOUNDATION WALLS:
    - SHALL BE FC = 2,500psi
    - FLOOR SLAB: SHALL BE FC = 3,000psi
    - WOOD MEMBER SPECIFICATIONS:
  - LUMBER FOR STUDS, TRUSSES, BLOCKING, ETC. SHALL BE (SPF) OR (BYP) GRADE AS REQUIRED PER OBC CODE, CHAPTER 23, SECTION 2303.
  - STRUCTURAL SHEATHING SHALL BE A MIN. OF 7/16" AND 48" IN LENGTH. SHEATHING SHALL BE FULLY OVERLAPPED AT EACH END AND AT LEAST EVERY 25' OF WALL LENGTH.
  - FLOOR SHEATHING SHALL BE MIN. 3/4" TONGUE AND GROOVE PLYWOOD. SHEATHING SHALL BE MIN. 7/16" EXTERIOR GRADE OSB OR PLYWOOD.
- TRUSS DESIGN:
  - CONSTRUCTION DOCUMENTS SHALL BE PREPARED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER AND SEALED AND SHALL BE PROVIDED TO THE BUILDING OFFICIAL AND APPROVED PRIOR TO CONSTRUCTION.
  - MANUFACTURERS AS REQUIRED BY THE OBC. EACH MANUFACTURER OF TRUSSES USING METAL PLATE CONNECTORS SHALL RETAIN AN APPROVED AGENCY TO MAKE UNSCHEDULED INSPECTIONS OF TRUSS MANUFACTURING AND DELIVERY OPERATIONS, INCLUDING LUMBER STORAGE, HANDLING, CUTTING FIXTURES, PRESSES OR ROLLERS, MANUFACTURING, BANDING, AND BANDING. SEE OBC CHAPTER 23, SECTION 2303.4 AND 2303.4.1 (TRUSS DESIGN).
  - MINIMUM INFORMATION SPECIFIED IN THIS SECTION. TRUSSES DELIVERED DRAWINGS SHALL BE PROVIDED WITH THE SHIPMENT OF TRUSSES TO THE JOB SITE. TRUSSES FOR APPROVAL HERE (S) SETS. DRAWINGS OF ALL MEMBERS, USE SIMPSON ANCHOR PLATE BETWEEN TOP PLATE AND TRUSS TO PREVENT UPLIFT, NET 500 LBS.
  - SEALED TRUSS DESIGN DRAWINGS TO BE SUBMITTED PRIOR TO ROUGH FRAMING INSPECTION.
- SEISMIC DESIGN INFORMATION:
  - SEISMIC USE GROUP: I
  - SPECTRAL RESPONSE COEFFICIENTS: SDS=4.92, SDI=1.75
  - DESIGN CATEGORY: A
  - DESIGN BASE SHEAR: 135.9 klf
  - TRUSS DESIGN PER OTHERS.
  - TRUSS DESIGN PER OTHERS. SIMPSON ANALYSIS. A SIMPLIFIED ANALYSIS, IN ACCORDANCE WITH SECTION 1617.5 SHALL BE PERMITTED TO BE USED FOR ANY STRUCTURE IN SEISMIC USE GROUP 1, SUBJECT TO THE REQUIREMENTS OF SECTION 1617.5. ANALYSIS SHALL BE MADE:
  - BUILDINGS OF LIGHT-FRAMED CONSTRUCTION NOT EXCEEDING THREE STORES IN HEIGHT, EXCLUDING BASEMENTS, OF ANY CONSTRUCTION OTHER THAN LIGHT-FRAMED CONSTRUCTION, NOT EXCEEDING TWO STORES IN HEIGHT, EXCLUDING BASEMENTS, WITH FLEEBED DRAMAGRAMS AT EVERY LEVEL AS DEFINED IN SECTION 1682.



### 3D PERSPECTIVE

SCALE: NTS



### SITE PLAN

SCALE: 1/8" = 1'-0"



PROJECT NORTH

### WOOD AND CONCRETE HEADER SCHEDULE

UNLESS OTHERWISE SPECIFICALLY INDICATED ON THE DRAWINGS, PROVIDE FOLLOWING HEADERS/JUNELS FOR THE WALL OPENINGS.

OPENING	WOOD MEMBERS	WD BEARING	** CONC BEARING
0'-3"	2-2x6 WITH 1/2" PLYWOOD	1.5" E.S.	4" E.S.
3'-5"	2-2x6 WITH 1/2" PLYWOOD	1.5" E.S.	4" E.S.
5'-6"	2-2x10 WITH 1/2" PLYWOOD	1.5" E.S.	4" E.S.
6'-8"	2-2x12 WITH 1/2" PLYWOOD	1.5" E.S.	4" E.S.

\* FOR 2x6 WALLS, PROVIDE ADDITIONAL MEMBER OF SAME SIZE AND ADDITIONAL 1/2" PLYWOOD.  
 \*\* PAST OPENING ON EITHER SIDE.

### OBC DATA

USE GROUP: "S-1"  
 CONSTRUCTION TYPE: 5B  
 TOTAL AREA: 4,800 SQ.FT.  
 MAXIMUM OCCUPANCY: 10

### INDEX OF SHEETS

C.1	COVER SHEET, DESIGN LOADS, SITE PLAN, GEN. INFO
A.1	EXTERIOR ELEVATIONS
A.2	FOUNDATION/BASEMENT PLAN, NOTES
A.3	FLOOR PLAN, NOTES
A.4	WALL SECTIONS
E.1	ELECTRICAL LAYOUT, LIGHTING, FIXTURE SCHEDULE
E.2	ELECTRICAL LAYOUT, POWER, PANEL SCH.
P.1	BASEBOARD HEAT LOCATIONS
	PLUMBING ISOMETRIC

PROJECT	NEW BLDG.	SHEET	I OF 8
DATE	06-28-07	DRAWN BY	P.R.M.
SCALE	AS NOTED	SCALE	C.1

DESIGN BY PROFESSIONAL:  
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 (937) 644-0605

THIS SHEET:  
 COVER SHEET  
 DATA INFO, INDEX  
 SITE PLAN

