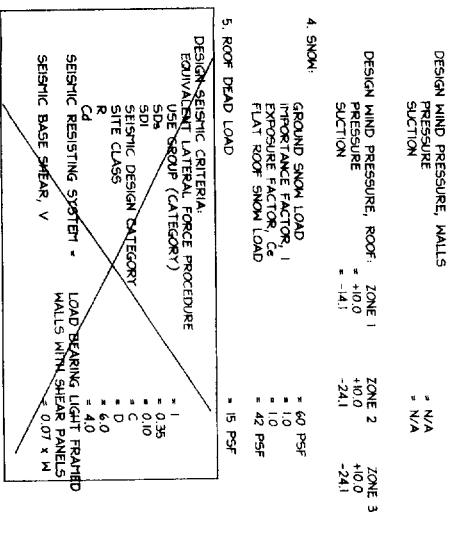


GENERAL NOTES:

1. THE ENGINEER'S STAMP IS FOR THE REVIEW OF THE SPECIFIC STRUCTURAL GRAVITY COMPONENTS OF THIS BUILDING. IT DOES NOT COVER THE FOUNDATION, POOL, OR LATERAL LOAD SYSTEM.
2. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION AND COMPONENTS DURING ERECTION.
3. ALL APPLICABLE FEDERAL, STATE, AND MUNICIPAL REGULATIONS SHALL BE FOLLOWED, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
4. THE PROFESSIONAL ENGINEER'S STAMP DOES NOT IN ANY WAY WARRANT THE INTERIOR SHEETROCK FINISH AGAINST CRACKING OR SPLITTING DUE TO MOOD SHRINKAGE, MOISTURE CHANGES, ETC.
5. THE REVIEW OF THE STRUCTURAL FRAMING BY MAILED ENGINEERING DOES NOT INCLUDE HANDRAILS, RAILINGS, BALLUSTERS, OR SECONDARY STRUCTURAL ELEMENTS.
6. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF IBC 2003.

STRUCTURAL DESIGN CRITERIA

1. BUILDING CODE: 2003 EDITION OF THE INTERNATIONAL BUILDING CODE
2. DESIGN WIND LOADS - MAIN WIND FORCE RESISTING SYSTEM, DESIGN WIND SPEED = 100 MPH
BUILDING USE IMPORTANCE FACTOR (I_M) = 1.0
BUILDING EXPOSURE CATEGORY = B
DESIGN WIND PRESSURE, ROOF: (PSF)
NORMAL TO RIDGE: Horiz: +5.8/-3.2
LEeward: -19.1/-13.3
PARALLEL TO RIDGE: Horiz: -8.2/-4.9
LEeward: -19.1/-13.3
LEeward: -10.6/-7.4
OVERBLANKS: -26.7/-20.9
DESIGN WIND PRESSURE, WALLS:
WINDWARD: +13.0
LEeward: -10.6
SIDE WALLS: -13.8
DESIGN WIND LOADS - COMPONENTS AND CLADDING:
EXPOSURE CATEGORY = B
DESIGN WIND PRESSURE, WALLS:
PRESSURE SECTION: + N/A
SUCTION SECTION: - N/A
3. DESIGN WIND PRESSURE, ROOF: ZONE 1
PRESSURE SECTION: +10.0
SUCTION SECTION: -14.1
ZONE 2: +10.0
SUCTION SECTION: -24.1
ZONE 3: +10.0
SUCTION SECTION: -24.1
4. SNOW:
GROUND SNOW LOAD = 60 PSF
IMPORTANCE FACTOR, I = 1.0
EXPOSURE FACTOR, C_e = 1.0
FLAT ROOF SNOW LOAD = 42 PSF
ROOF DEAD LOAD = 15 PSF
5. ROOF DEAD LOAD
DESIGN-SEISMIC CRITERIA EQUIVALENT LATERAL FORCE PROCEDURE
USE GROUP (CATEGORY): I
SITE CLASS: C
SEISMIC DESIGN CATEGORY: C
R_d: 4.0
SEISMIC RESISTING SYSTEM: LOAD-BEARING LIGHT RAISED WALLS WITH SHEAR WALLS
SEISMIC BASE SHEAR, V: 4.4



CONS:

1. This
2. The existing use is not understood.
3. The Existing Construction is Type V.

CONSTRUCTION MATERIAL NOTES:

1. This is a repair to an existing building due to fire damage.
2. All structural materials and finishes, including glazing, doors, wall and ceiling finishes, shall be installed under existing conditions as closely as possible.
3. All Thermal and moisture barrier materials shall match current codes where possible, or existing conditions otherwise.
4. All HVAC and Plumbing shall be per code.

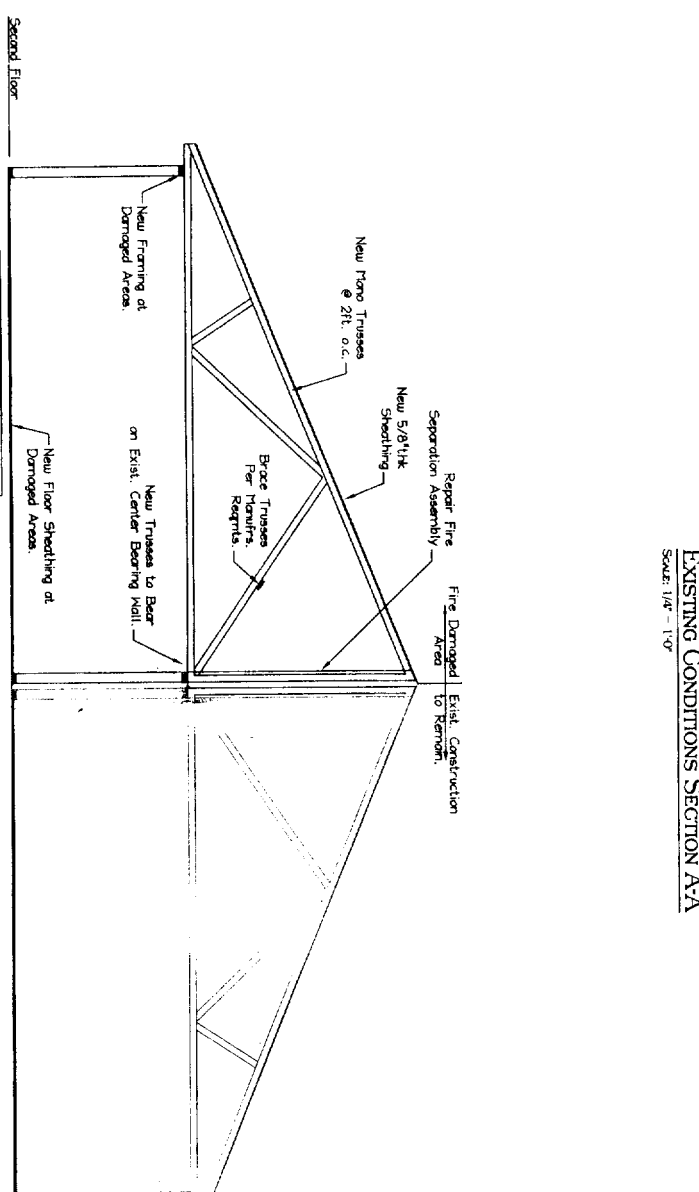
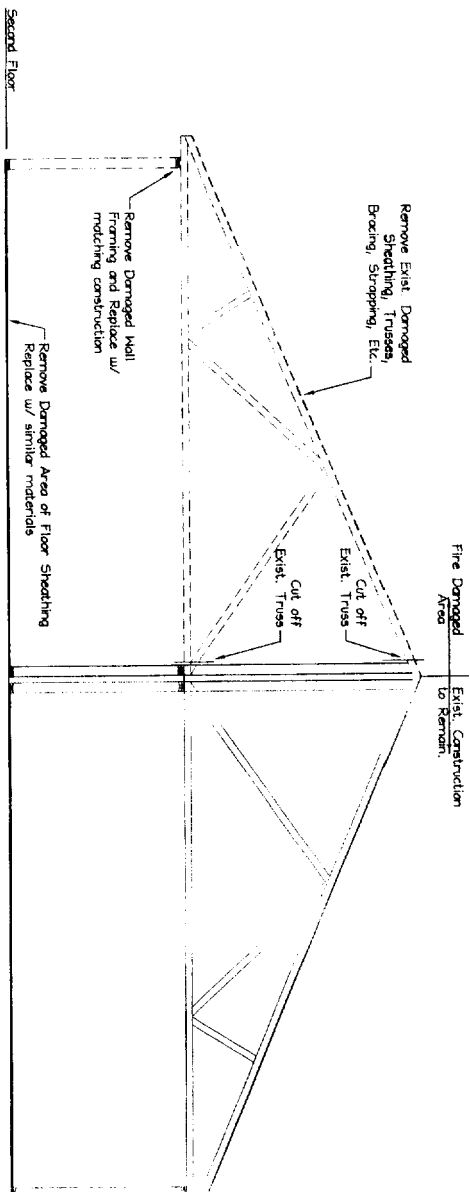
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WOOD FRAMING NOTES:

1. STRUCTURAL LUMBER: No. 2 KILN DRIED, SPRUCE PINE FIR (SOUTH) OR BETTER. MECHANICAL PROPERTIES:
F_b = 750 psi
F_v = 70 psi
E = 1,100,000 psi
2. DESIGN CODE: NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
3. FASTENERS: COMPLY WITH RECOMMENDED FASTENING SCHEDULE OF THE CODE, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
4. NAILING REQUIREMENTS FOR PLYWOOD ROOF DECK: PROVIDE 8D NAILS AS FOLLOWS UNLESS SHOWN OTHERWISE, 8D NAILS @ 12" oc ALONG INTERMEDIATE MEMBERS.
5. SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP USING MULTIPLE 2X LUMBER.
6. PROVIDE PRESSURE TREATED LUMBER FOR ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE.
7. ROOF SHEATHING: 5/8" APA RATED SHEATHING, EXTERIOR OR STRUCTURAL I OR II RATED SHEATHING, SPAN RATING 32/16. INSTALL SHEETS WITH FACE GAIN DIRECTION PERPENDICULAR TO SUPPORTING MEMBERS.

WOOD TRUSS NOTES:

1. DESIGN CRITERIA FOR ROOF SYSTEM:
A. LIVE LOAD (SNOW) = 42 PSF
B. DEAD LOAD (BOTTOM CHORDS) = 10 PSF EACH + TRUSS HEIGHT
C. WIND LOAD
PER STRUCTURAL DESIGN CRITERIA
D. LOAD COMBINATIONS PER THE CODE:
E. ALLOWABLE DEFLECTION = L/360
F. PROVIDE BOTTOM CHORD CAMBER EQUAL TO THE TRUSS DEAD LOAD DEFLECTION.
2. MATERIALS:
A. STRESS GRADED LUMBER, METAL PLATE CONNECTORS
3. APPLICABLE SPECIFICATIONS:
A. LUMBER AND ITS FASTENING (NDS)
B. MOST RECENT AISC STANDARDS
C. DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES, TRI LATEST EDITION.
4. BRACING:
A. THE TRUSS MANUFACTURER SHALL SPECIFY ALL BRACING FOR BOTH TEMPORARY CONSTRUCTION LOADING AND FOR PERMANENT LATERAL SUPPORT OF COMPRESSION MEMBERS, AS WELL AS ERECTION PROCEDURES.
B. NAILING BRACING REQUIREMENTS AND INSTRUCTIONS FURNISHED BY TRUSS MANUFACTURERS OVER 40 FEET LONG SHALL BE USED UNLESS OTHERWISE SHOWN OTHERWISE WHERE NOT PROVIDED IN NDS-10.
C. ALL TEMPORARY AND PERMANENT BRACING SHALL BE NINETEEN (19) 2X4 SPF No. 2 MATERIAL CONNECTED WITH NINETEEN (19) 2x4 NAILS AT ALL CONNECTIONS PER NDS-10.
D. THE CONTRACTOR SHALL COMPLY WITH THE CONTINGENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING, AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, NDS-10. IT IS THE RESPONSIBILITY OF THE INSTALLER/CONTRACTOR TO PROTECT RECEIVED, UNLOAD, STORE, DELIVER, ALL, AND BRACE TRUSSES TO PROTECT LIFE AND PROPERTY.
E. ALL FABRICATED TRUSSES SHALL RECEIVE THE TRI PLATE OF APPROVAL IN ACCORDANCE WITH THE TRUSS PLATE INSTITUTE PROCEDURES.
5. SUBMIT TRUSS SHOP DRAWINGS FOR REVIEW PRIOR TO TRUSS MANUFACTURE.
6. TRUSSES ARE SHOWN WITH 2X4 DIMENSION LUMBER. ANY VARIATIONS SHALL BE NOTED ON THE TRUSS SHOP DRAWINGS AND CLEARLY CALLED OUT TO THE ATTENTION OF THE ENGINEER.
7. ANY VARIATIONS BY THE TRUSS MANUFACTURER FROM THESE DRAWINGS INCLUDING BUT NOT LIMITED TO THE NEED FOR BIRD TOOTHING DETAILS SHALL BE CLEARLY NOTED ON THE TRUSS DRAWINGS. APPROPRIATE DETAILS SHALL BE PROVIDED, WHICH SHOW SUCH VARIATIONS. ALL VARIATIONS SHALL BE APPROVED BY THE ENGINEER.
8. DESIGN TRUSSES TO MAINTAIN DIMENSIONS AND LOADS SHOWN.
9. PROVIDE HURRICANE CLIPS EQUAL TO 42.5 FOR EACH TRUSS.



CURRENT REVISION	
NO.	DESCRIPTION

LIGHT GAGE METAL FRAMING
MEADOWBROOK FOREST AVE.
FIRE DAMAGE REPAIR PLAN

MacLeod Structural Engineers, P.A.
98 Bridge Street
Westbrook, ME 04092
Tel: (207) 856-0044
Fax: (207) 856-1616
Toll Free: (877) 88-STEEL

PROPOSED CONDITIONS SECTION A-A
Scale: 1/4" = 1'-0"

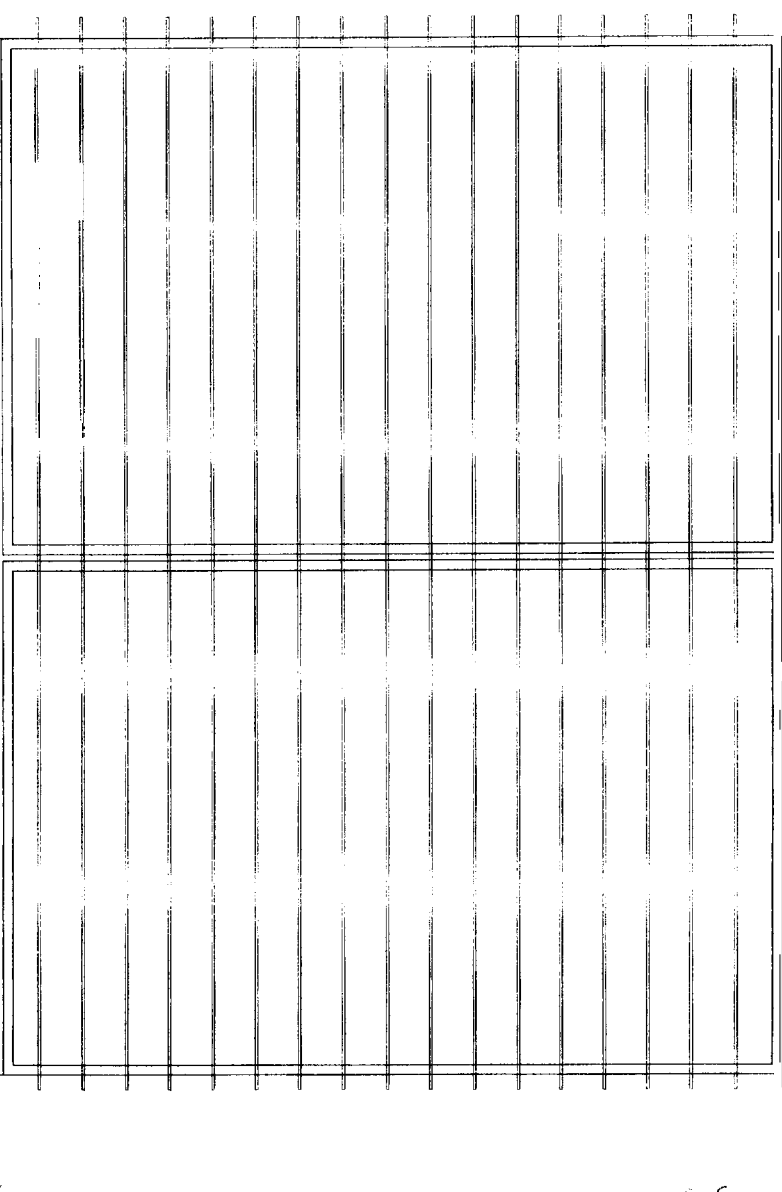
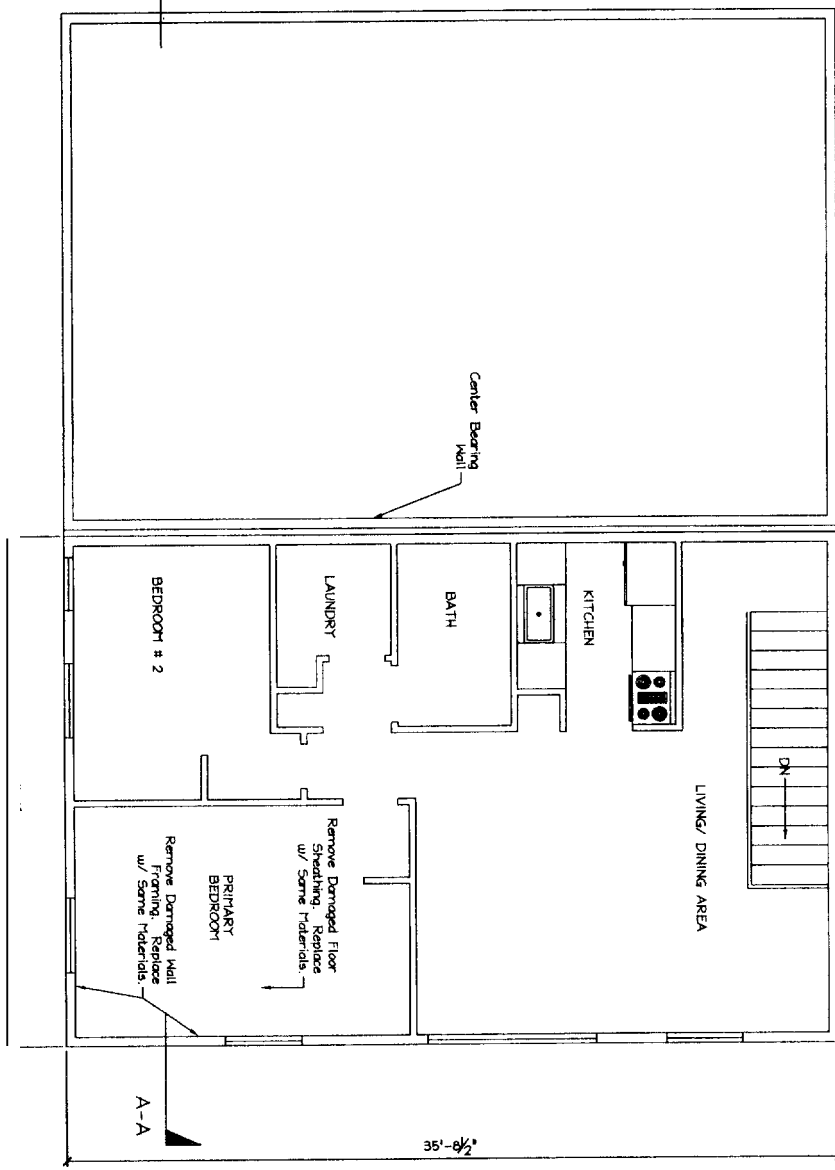
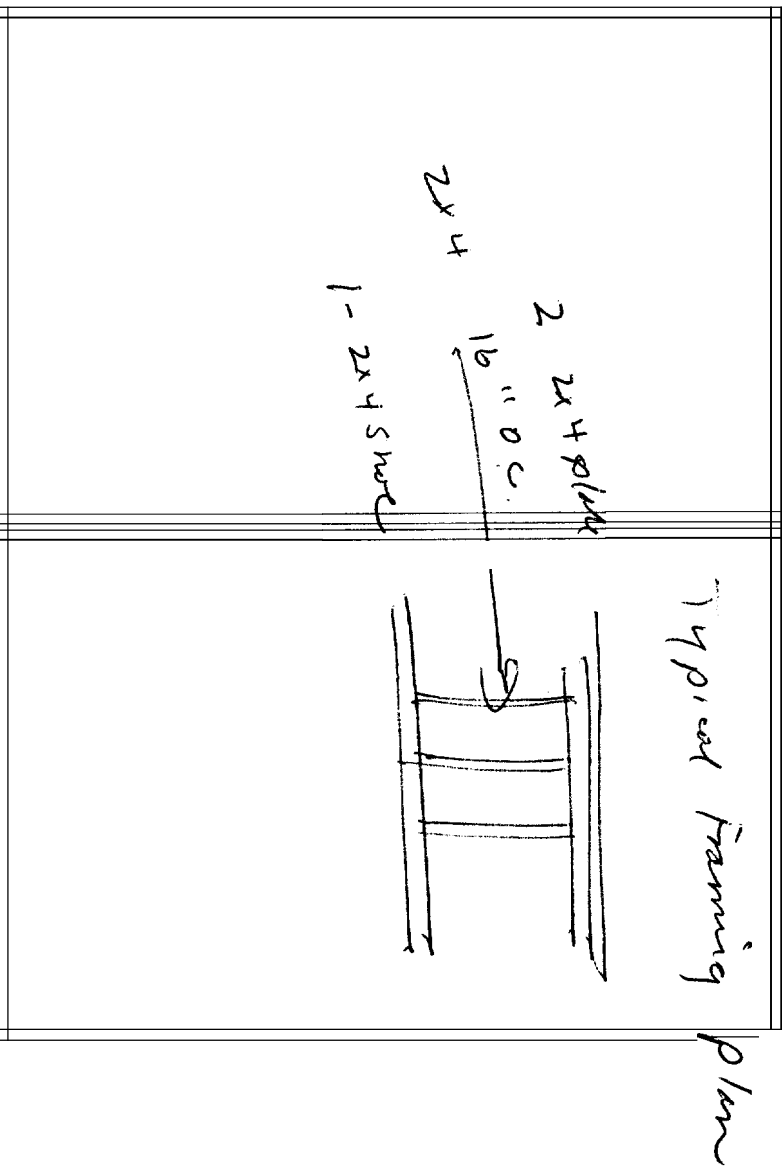
THIS DRAWING IS ISSUED

For Construction Date: 11/21/05

The Drawing Shows the Contractor's Proposed Conditions. Only when the Contractor has completed the work shown on this drawing and has been approved by the Engineer shall the Contractor be permitted to proceed with the work shown on this drawing.

DESIGNED BY: JED/BMM
CHECKED BY: BMM
DATE: 11/8/05
SCALE: AS NOTED
PROJECT NO.: 2005-065

WALL SECTIONS AND NOTES
CS 0 0



294-C68

CURRENT REVISION	
#	DESCRIPTION

LIGHT GAGE METAL FRAMING
MEADOWBROOK
FOREST AVE.
FIRE DAMAGE REPAIR PLAN

PORTLAND

MAINE

MacLeod Structural Engineers, P.A.

98 Bridge Street
Westbrook, ME 04092
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THIS DRAWING IS ISSUED FOR CONSTRUCTION DATE: 11/21/06

Prepared by: JED/BMN
Checked by: BMN
Date: 11/16/06
Scale: AS NOTED
Proj. No.: 2006-066

SHEET TITLE:
FLOOR AND ROOF PLANS
51 OF 2