

GENERAL STRUCTURAL NOTES:

- DESIGN CODE: 2003 INTERNATIONAL BUILDING CODE.
- FLOOR DESIGN LOADS: STORAGE MEZZANINE = 80 PSF (POSTED) OFFICE MEZZANINE = 80 PSF OFFICE CORRIDOR = 60 PSF UNO, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL BRING TO THE ATTENTION OF THE ENGINEER ANY CONDITIONS DIFFERENT FROM THOSE SHOWN ON THE DRAWINGS AND TAKE CARE TO PREVENT CONTRACTOR'S COMPLETION OF THE WORK AS SHOWN ON THE DRAWINGS.
- THIS PROJECT INVOLVES RENOVATION OF AN EXISTING STRUCTURE. DIMENSIONS SHOWN ON THE DRAWINGS ARE BELIEVED TO BE ACCURATE, BUT CANNOT BE GUARANTEED. MEASURE AND VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION AND CONSTRUCTION.

FOUNDATION/CONCRETE NOTES:

- FOOTING DESIGN BEARING CAPACITY: 2000 PSF ON SOIL OR EXISTING UNDERSLAB GRANULAR FILL.
- TAKE CARE NOT TO UNDERMINE EXISTING FOUNDATION OR SLAB-ON-GRADE TO EXCAVATE FOR NEW FOOTING.
- CONCRETE DESIGN CODE: ACI 318-05
- MINIMUM 28 DAY COMPRESSIVE STRENGTH: 3000 PSI
- REINFORCEMENT GRADE 60, ASTM A615
- MINIMUM CONCRETE COVER:
 - 3" FOR CONCRETE CAST AGAINST SOIL.
 - 2" FOR OTHER CONCRETE UNLESS SHOWN OTHERWISE.

STRUCTURAL STEEL:

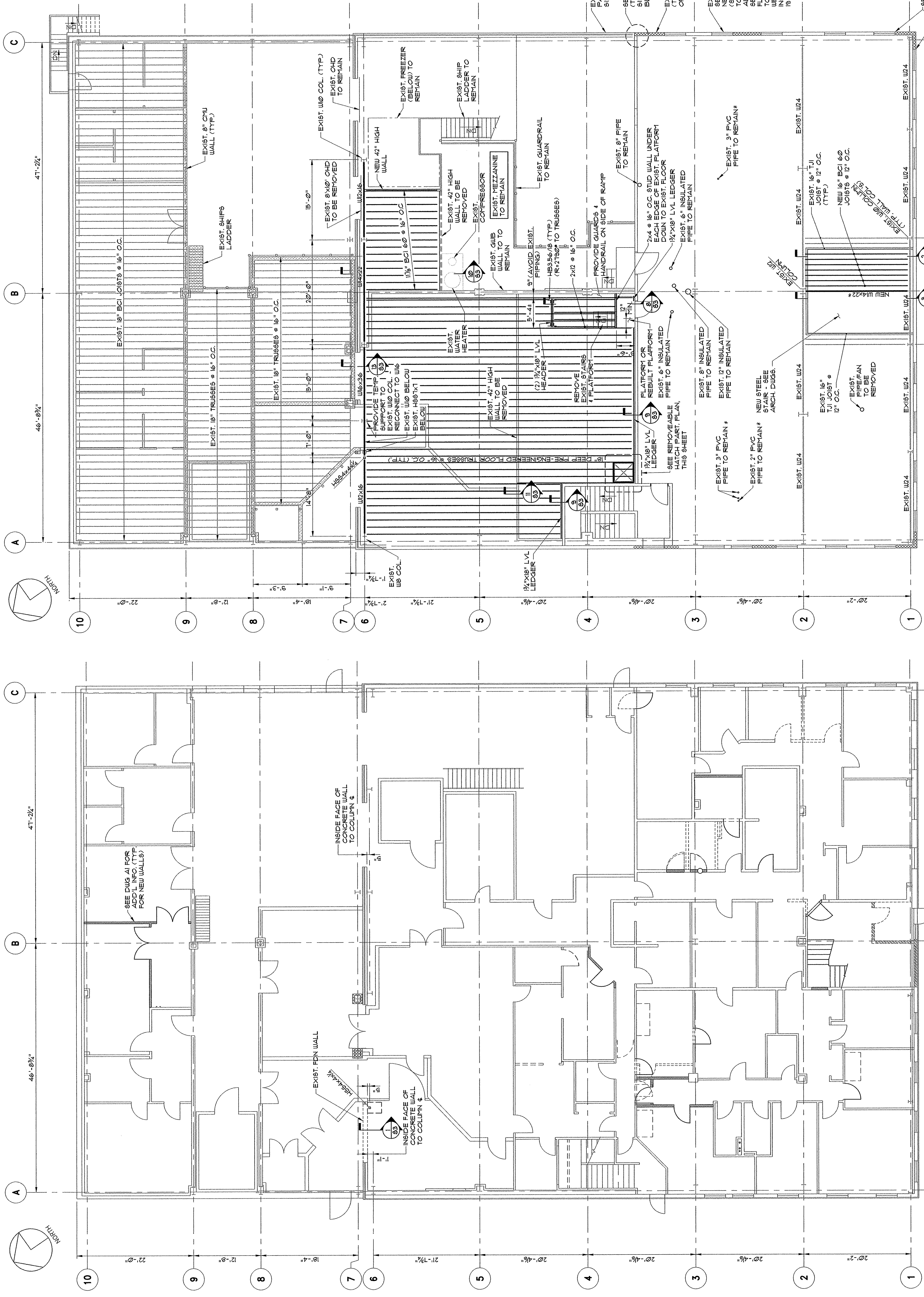
- DESIGN SPECIFICATION: AISC ALLOWABLE STRESS DESIGN SPECIFICATION FOR BUILDINGS, 1989.
- CONSTRUCTION IS AISC TYPE 2. ALL FRAMING IS NOT FULLY SELF-SUPPORTING AND REQUIRES SUPPORT FROM OTHER STRUCTURAL ELEMENTS (HORIZONTAL PLATEWOOD DIAPHRAGMS AND FLOOR TRUSSES). TEMPORARY LATERAL SUPPORT FOR THE FRAMING MUST BE PROVIDED UNTIL THESE ELEMENTS ARE COMPLETE AND CONNECTED TO THE STEEL AND IS NOT RESPONSIBLE FOR TEMPORARY SUPPORT DURING ERECTION.
- STRUCTURAL STEEL: ASTM A 992 FOR WIDE FLANGE SHAPES, ASTM A 500 GRADE B FOR TUBES, ASTM A 36 FOR ALL OTHER SHAPES/PLATES
- CONNECTIONS: FIELD BOLTED, ASTM A325N BOLTS ANCHOR BOLTS: MIN. YIELD 36 KSI
- DESIGN AND DETAIL SHIPLE SHEAR CONNECTIONS USING ALLOWABLE STRESS DESIGN FOR STRUCTURAL STEEL BUILDINGS, VOLUME II, 1997, BY AISC.

WOOD FRAMING NOTES:

- STRUCTURAL LUMBER: NO. 2 SPRUCE-PINE-FIR OR BETTER, 18% MAX. MOISTURE CONTENT. LAMINATED VENEER LUMBER (LVL), EQUIVALENT TO USE 8P, MICRO-LAM BY TRUS JOIST MANUFACTURER.
- DESIGN CODE: NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY THE AMERICAN FOREST & PAPER ASSOCIATION. FASTENERS: COMPLY WITH RECOMMENDED FASTENING SCHEDULE OF THE 2003 INTERNATIONAL BUILDING CODE UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
- NAILING REQUIREMENTS FOR PLYWOOD FLOOR SHEATHING: USE 10D ROBIN COATED RING SHANK NAILS SPACED AS FOLLOWS:
 - 6" O.C. ALONG ALL FLOOR PANEL EDGES
 - 12" O.C. ALONG INTERMEDIATE MEMBERS FOR FLOORS
- FLOOR SHEATHING: APA RATED SHEATHING OR STRUCTURAL I OR II RATED SHEATHING; EXPOSURE II; SPAN RATINGS 37/16, MIN. THICKNESS 1 1/8"
- INSTALL SHEETS WITH FACE GRAIN DIRECTION PERPENDICULAR TO SUPPORTING MEMBERS.
- SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP USING 2-ROUNDS OF 16D NAILS AT 12" O.C. STAGGERED.
- PROVIDE FULL DEPTH BLOCKING AT ENDS AND INTERIOR SUPPORTS OF ALL JOISTS WHERE JOISTS FRAME OVER SUPPORTS.
- PROVIDE FULL DEPTH BLOCKING FOR EACH 8' OF SPAN FOR ALL 2X JOISTS.
- PROVIDE SOLID BLOCKING AT ENDS OF ALL BEAMS TO PREVENT ROTATION OF BEAM END.

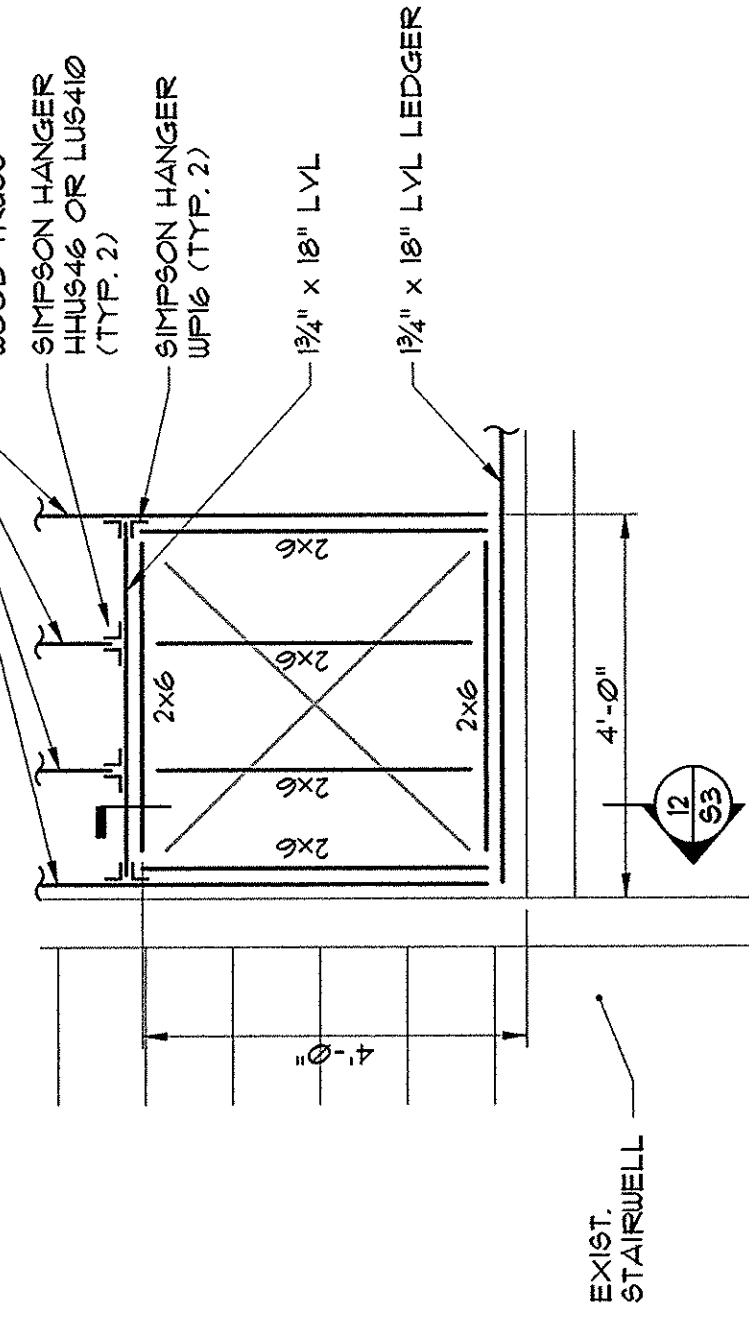
WOOD TRUSS NOTES:

- NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY THE AMERICAN FOREST & PAPER ASSOCIATION
- NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION (ANSI/APA 11-2002)
- TRUSS MEMBERS: NO.2 OR BETTER, 18% MAXIMUM MOISTURE CONTENT.
- TRUSS TEMPORARY AND PERMANENT BRACING: COMPLY WITH TRUSS FABRICATOR'S REQUIREMENTS AND BACKUP SUPPORT SHEET. TEMPORARY AND PERMANENT BRACING FOR PARALLEL CHORD TRUSSES: TRUSSES ARE NOT STABLE AND REQUIRE TEMPORARY BRACING UNTIL TOP CHORD PLYWOOD AND PERMANENT BRACING ARE INSTALLED.
- PERMANENT TOP CHORD BRACING IS NOT REQUIRED. ADEQUATE BRACING IS PROVIDED BY FLOOR SHEATHING.
- PROVIDE MINIMUM 2X8 SIZE (NO.2 OR BETTER) FOR BRACING. CONNECT BRACING TO EACH TRUSS WITH AT LEAST 7-10D NAILS. LAP SPLICE CONTIGUOUS MEMBERS OVER AT LEAST 2 TRUSSES.



FIRST FLOOR PLAN
3/8" = 1'-0"

SECOND FLOOR PLAN
3/8" = 1'-0"



REMOVEABLE HATCH PART. PLAN
3/8" = 1'-0"

REV.	DATE	DESCRIPTION
A	11/30/06	ISSUE FOR PERMITS

PINKHAM & GREER
 CONSULTING ENGINEERS
 FUMOR, MAINE

IMMUELL CORPORATION
 PORTLAND, MAINE
OFFICE RENOVATIONS

FIRST & SECOND FLOOR PLANS

SCALE: AS SHOWN
 DATE: SEPTEMBER 2006
 PROJECT: 06326

DRN BY: RUS
 DESG BY: JAM
 CHK BY: