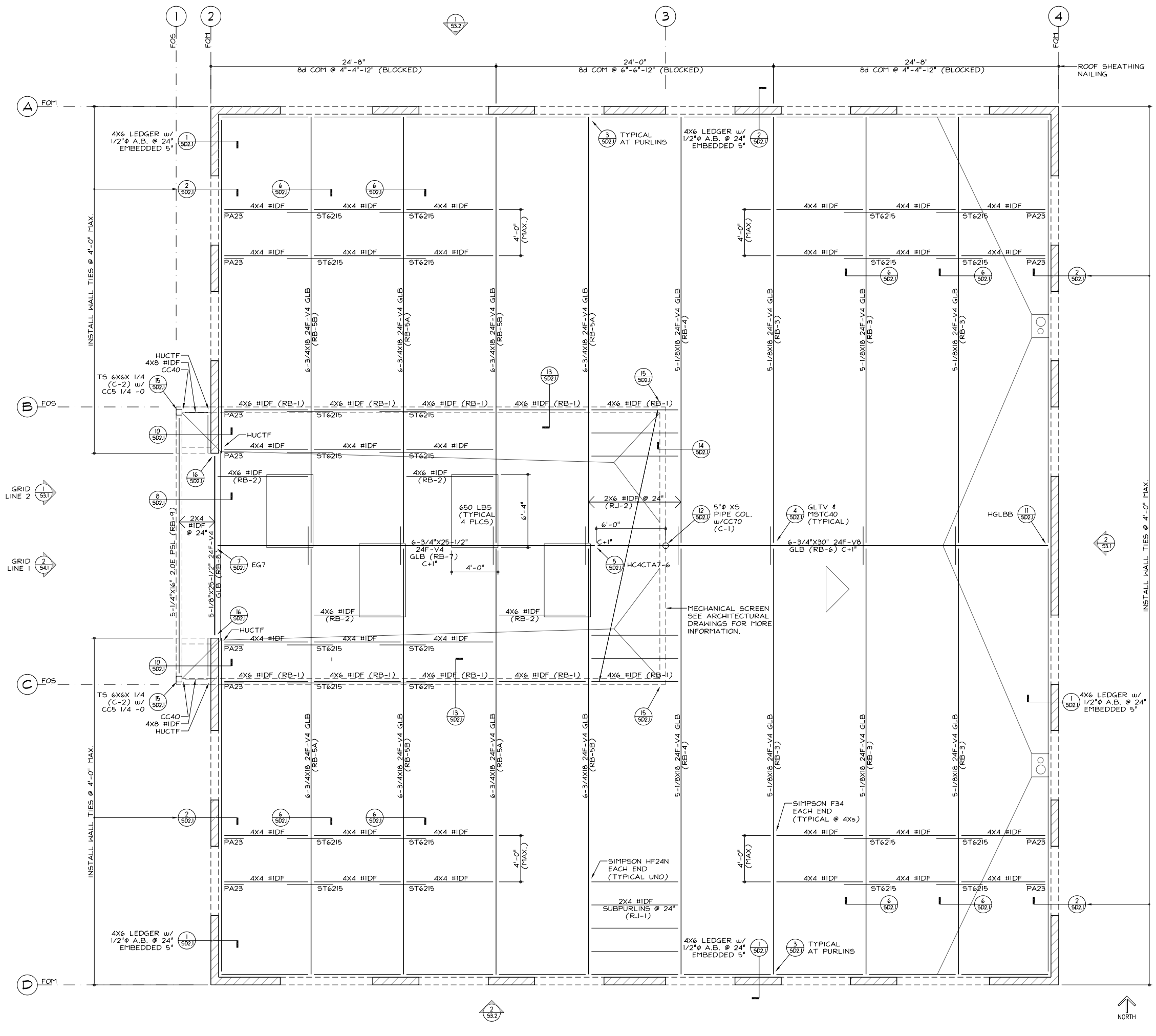

MECHANICAL CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY ATTACHING ROOF TOP UNITS (RTUs) TO FRAMING IN ACCORDANCE WITH 1997 UBC/2001 CBC. CONTRACTOR TO SUBMIT METHODS, DETAILS AND STRUCTURAL CALCULATIONS (IF ANY) TO STRUCTURAL ENGINEER OF RECORD FOR REVIEW PRIOR TO INSTALLATION.

ROOF SHEATHING:
15/32" CDX WSP PII 24/0

(RJ-"x") REFERS TO ROOF JOIST DESIGN IN STRUCTURAL CALCULATIONS

(RB-"x") REFERS TO ROOF BEAM DESIGN IN STRUCTURAL CALCULATIONS

(C-"x") REFERS TO COLUMN DESIGN IN STRUCTURAL CALCULATIONS

UNLESS NOTED OTHERWISE, CAMBER OF GLU-LAM BEAMS SHALL BE "STANDARD" (RADIUS = 2,000 FT) CAMBER UP.

ROOF NOTES

ROUGH CARPENTRY

A. LUMBER GRADES
ALL SOLID FRAMING LUMBER SHALL BE GRADE MARKED AND CONFORMING TO THE STANDARD GRADING AND DRESSING RULES OF THE WEST COAST LUMBER INSPECTION BUREAU. MAXIMUM MOISTURE CONTENT TO BE 19%.
A. REPETITIVE USE MEMBERS (@24" O.C. OR LESS):
I. STUDS AND PLATES — DOUGLAS FIR-LARCH CONSTRUCTION
II. JOISTS AND RAFTERS:
2X4'S TO 4X4'S — DOUGLAS FIR-LARCH #2
2X6'S TO 2X14'S — DOUGLAS FIR-LARCH #2
B. SINGLE USE MEMBERS:
I. BEAMS:
4X'S — DOUGLAS FIR-LARCH #1
6X'S AND 8X'S — DOUGLAS FIR-LARCH #1
II. POSTS AND MULLIONS
4X4 TO 4X10 — DOUGLAS FIR-LARCH #1
4X12 AND WIDER — DOUGLAS FIR-LARCH #1
6X6 AND LARGER — DOUGLAS FIR-LARCH #1
C. ALL WOOD RESTING ON CONCRETE WITHIN 18 INCHES OF FINISH GRADE SHALL BE PRESSURE TREATED DOUGLAS FIR (DENOTED AS PTDF ON PLANS) OR SILL GRADE REDWOOD.

B. NOTCHES AND HOLES IN STUDS
STUDS IN EXTERIOR WALLS AND BEARING PARTITIONS MAY BE CUT OR NOTCHED NO MORE THAN ONE-FOURTH ITS WIDTH; AND STUDS FOR NON-BEARING WALLS NO MORE THAN FOUR-TENTHS ITS WIDTH. BORED HOLES SHALL BE LIMITED TO 40% WIDTH IN ANY STUD, LOCATED AT LEAST 5/8" FROM EDGE OF STUDS.

C. PLYWOOD
ALL PLYWOOD SHALL CONFORM WITH U.S. PRODUCT STANDARD 1-95 AND BE IDENTIFIED WITH THE APPROPRIATE TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION. PANELS WHICH MAY HAVE ANY EDGE OR SURFACE PERMANENTLY EXPOSED TO THE WEATHER OR TO MOISTURE SHALL BE CLASSIFIED AS EXTERIOR. THE SPACING IN INCHES OF ROOF AND FLOOR SUPPORTS OVER WHICH PANELS ARE APPLIED SHALL NOT EXCEED THE SPAN RATING STAMPED ON THE PANELS. PANEL THICKNESS, GRADES AND PANEL IDENTIFICATION INDEX (PII) SHALL BE AS SPECIFIED UNDER "SHEAR WALL SCHEDULE" FOR WALL SHEATHING AND DIAPHRAGMS FOR ROOF AND FLOOR SHEATHING.

D. BOLTS AND METAL CONNECTORS
A. BOLTS IN TIMBER TO HAVE STANDARD WASHER UNLESS NOTED OTHERWISE ON THESE PLANS. BOLTS HOLES TO BE 1/16 LARGER THAN THE BOLT DIAMETER. NO LARGER HOLES ARE PERMITTED.
B. ALL METAL CONNECTOR AND HANGERS TO BE "SIMPSON STRONG TIE"

E. GLUE-LAMINATED BEAMS
A. ALL GLUE-LAMINATED BEAMS (DENOTED AS "GLB" ON FRAMING PLANS) SHALL BE DOUGLAS FIR COMBINATION 24F-V8 FOR CANTILEVERED SPANS AND 24F-V4 FOR SIMPLE SIMPLE SPAN CONDITIONS.
B. GLUE-LAMINATED BEAMS ARE TO BE MANUFACTURED IN ACCORDANCE WITH AITC 117, LATEST EDITION.
C. FABRICATION OF GLUE-LAMINATED BEAMS SHALL BE DONE BY A LICENSED FABRICATOR AND A CEERTIFICATE OF CONFORMANCE TO AITC SPECIFICATIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL.
D. ENDS OF BEAMS SHALL BE SEALED AND BEAMS SHALL BE LOAD WRAPPED FOR PROTECTION DURING SHIPPING.
E. GLUE-LAMINATED BEAMS SHALL BE CAMBERED AS SHOWN ON THE FRAMING PLANS. "C+0" ON THE PLANS INDICATES A CAMBER WITH A RADIUS OF 2,000 FEET "UP" (⌒).

F. PREMANUFACTURED PRODUCTS
ALL STRUCTURAL PRODUCTS SHALL BE DESIGNED BY MANUFACTURER AND SIGNED BY A CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA.

G. TYPICAL NAILING SCHEDULE
THE FOLLOWING NAILING SCHEDULE SHALL BE FOLLOWED FOR CONNECTIONS NOT SHOWN IN THE STRUCTURAL DETAILS. USE COMMON NAILS OR ICBO APPROVED EQUAL.

JOIST TO SILL OR GIRDER, TOENAIL	3-8d
BRIDGING TO JOIST TOENAIL EACH END	2-8d
1"X 6" SUBFLOOR TO EACH JOIST, FACE NAIL	2-8d
WIDER THAN 1" X SUBFLOOR TO EACH JOIST, FACE NAIL	3-8d
2" SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2-16d
SOLE PLATE TO JOIST OR BLOCKING, FACE NAIL	16d@6"
TOP PLATE TO STUD, END NAIL	2-16d
STUD TO SOLE PLATE TOENAIL	4-8d
END NAIL	2-16d
DOUBLED STUDS, FACE NAIL	16d@24"
DOUBLED TOP PLATE, FACE NAIL	16d@16"
CONTINUOUS HEADER, TWO PIECES	16d@16" ALONG EA. EDGE
CEILING JOIST TO PLATE, TOENAIL	3-8d
CONTINUOUS HEADER TO STUD, TOENAIL	4-8d
CEILING JOISTS, LAP OVER PARTITIONS, FACE NAIL	3-6d
CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-16d
RAFTER TO PLATE, TOENAIL	3-8d
1"X 8" SHEATHING OR LESS TO EACH BEARING, FACE NAIL	2-8d
BUILT-UP CORNER STUDS	3-8d
2" PLANKS	16d@24" 2-16d@ EACH BEARING

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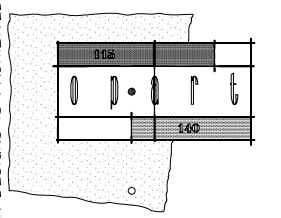
Prepared for:



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REVISIONS

1 ———————
2 ———————
3 ———————

EMPIRE OFFICE Building w/Mezzanine

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REGISTERED PROFESSIONAL ENGINEER T. WILLIAM ALLEN No. 2607 Exp. 12/31/04 STRUCTURAL STATE OF CALIFORNIA

DRAWING INFO.

ROOF FRAMING PLAN

JOB No.	AD#20402A
DRAWN	BA
DATE	11/24/04
CHECKED	TWA
SCALE:	1/4"=1'-0"

SHEET No.

S2.3