

GREW DESIGN
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Project:
**Additions / Renovations of the
KOOPMANN RESIDENCE**
33 PINE POINT ROAD
ROWAYTON, CT 06853

Owner:
**PAUL & KELLY
KOOPMANN**
33 PINE POINT ROAD
ROWAYTON, CT 06853
TEL: (203) 892-1354

PROJECT #:	03-018
CAD DWG FILE:	03018-25-101.DWG
DRAWN BY:	GM
CHK'D BY:	MGS
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SHEET TITLE:	

**FRAMING PLANS -
FIRST & SECOND
FLOORS**

S-101

SHEET 2 OF 12

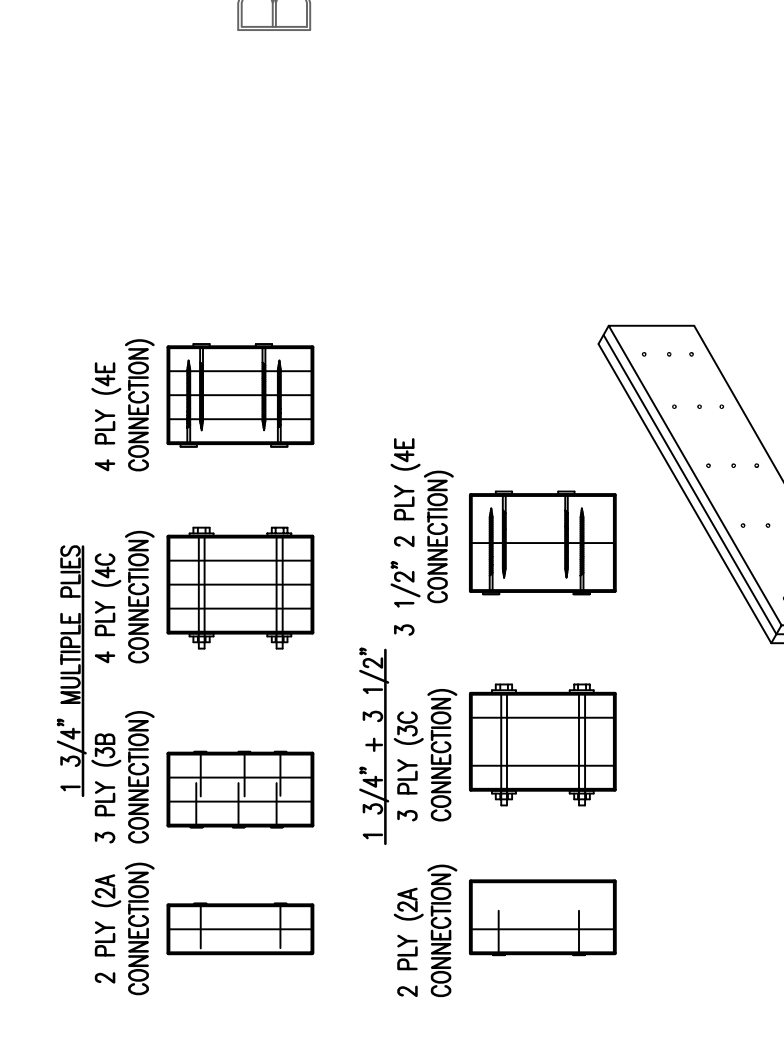
FOUNDATION (CONCRETE) NOTES

1. EXTERIOR BOTTOM OF ALL FOUNDATIONS AT BUILDING PERIMETER A MINIMUM OF 42" BELOW FINISHED GRADE. FOOTINGS SHALL BEAR UPON UNDISTURBED SOLID SOIL.
2. SLOPE GRADE AWAY FROM BUILDING TO ALLOW WATER TO DRAIN AWAY FROM BUILDING.
3. CONCRETE SLABS AND FOUNDATIONS SHALL BE CONSTRUCTED OF A MINIMUM 3,500 PSI AFTER 28 DAYS.
4. FLOOR SLAB: 4" THICK CONCRETE SLAB REINFORCED WITH 10 GAUGE 6" X 6" WELDED WIRE MESH CONTINUOUS. PLACE SLAB OVER WELL COMPACTED GRANULAR FILL AND 6 MIL VAPOR BARRIER. PROVIDE 1/2" AIR SPACE BETWEEN GRANULAR FILL AND VAPOR BARRIER. PROVIDE A SMOOTH FINISH. NO WATER TO BE ADDED DURING FINISHING WORK. FOR PARALLEL SLOPE AWAY FROM BUILDING AT 1/8" PER 1'-0" AS SHOWN ON PLAN.
5. WELDED WIRE MESH SHALL BE 6 X 6 W1.4 / W1.4, CONFORMING WITH ASTM A-183. WELDED WIRE MESH TO BE LAD 1-1/2" ABOVE FILL WITH MINIMUM 6" LAP EACH SIDE.
6. SLAB FINISH. PROVIDE STEEL TROWEL FINISH FOR ALL INTERIOR SLAB AREAS AND GARAGE. CREATE BROOM FINISH TEXTURE FOR ALL EXTERIOR SLABS.
7. POURED CONCRETE FOOTINGS. FOOTERS SHALL BE 10" DEEP BY 20" WIDE MINIMUM. PROVIDE 2 - #5 REBAR CONTINUOUS. FOOTERS SHALL BEAR ON UNDISTURBED SOIL WHERE AVAILABLE.
8. REINFORCING STEEL SHALL BE MINIMUM ASTM A-615 GRADE 40, DEFORMED TYPE NEW BULLET STEEL CONFORMING TO ACI 301, ACI 315, ACI 318 AND GCSI MANUAL OF STANDARD PRACTICE, LATEST EDITIONS. ALL REINFORCEMENT SPLICES SHALL BE: #5 BARS 25" MINIMUM; #7 BARS 35" MINIMUM. CONCRETE COVER OF REINFORCING STEEL SHALL BE AS FOLLOWS:
A. FOOTINGS: 3" BOTTOM AND SIDES, 2" TOP.
B. BEAMS: 1-1/2" BOTTOM, SIDES AND TOP.
C. SLABS ON GRADE: 2" BOTTOM, 1" TOP.
D. OTHERS PER A.C.I.
9. ANCHOR BOLTS. PROVIDE 1/2" ANCHOR BOLTS IN TOP OF FOUNDATION WALLS AT 48" ON CENTER. PROVIDE 1/2" ANCHOR BOLTS IN TOP OF CONCRETE SLAB AT 48" ON CENTER.
10. VAPOR BARRIER. PROVIDE 6-MIL POLYETHYLENE VAPOR BARRIER UNDER ALL SLABS, BETWEEN GROUND AND CONCRETE.

LVL/PARALLAM FASTENING SCHEDULE

- NOTES:
1. CONCRETE BOLT AND NAILING SCHEDULES COORDINATE WITH THE BEAM (DEPTH AND NUMBER OF PIECES) FOR CARRYING THE DESIGNATED LOAD AS SHOWN ON PLANS.
 2. STRESS LEVEL FOR NAIL AND BOLT VALUES IS 100%. INCREASES OF 15% FOR SNOW LOADED OR 25% FOR NON-SNOW LOADED ROOF CONDITIONS ARE PERMITTED.
 3. TOP AND BOTTOM ROW OF CONNECTORS SHOULD BE 2" FROM EDGE.
 4. BOLT HOLES ARE TO BE THE SAME DIAMETER AS THE BOLT EVERY BOLT MUST EXTEND THROUGH THE ENTIRE THICKNESS OF THE MEMBER. THE BOLT HEAD AND NUT FOR THE PIECE MEMBER SHALL BE SPECIFIED AS FROM THE SAME SOURCE.
 5. TO MINIMIZE ROTATION, FOUR-PIECE MEMBERS SHOULD ONLY BE USED WHEN LOADS ARE APPLIED TO BOTH SIDES, OR COMPLETELY ACROSS THE TOP OF THE MEMBER.
 6. FLOOR JOISTS MUST BE BOLTED OR ATTACHED WITH 6" SCREWS FROM BOTH SIDES.
 7. SCREWS ARE USP W8 SERIES OR SIMPSON STRONG-TIE SCS INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
 8. SCREWS FOR 3-PLY AND 4-PLY MEMBERS MUST BE FROM BOTH SIDES OF BEAM.

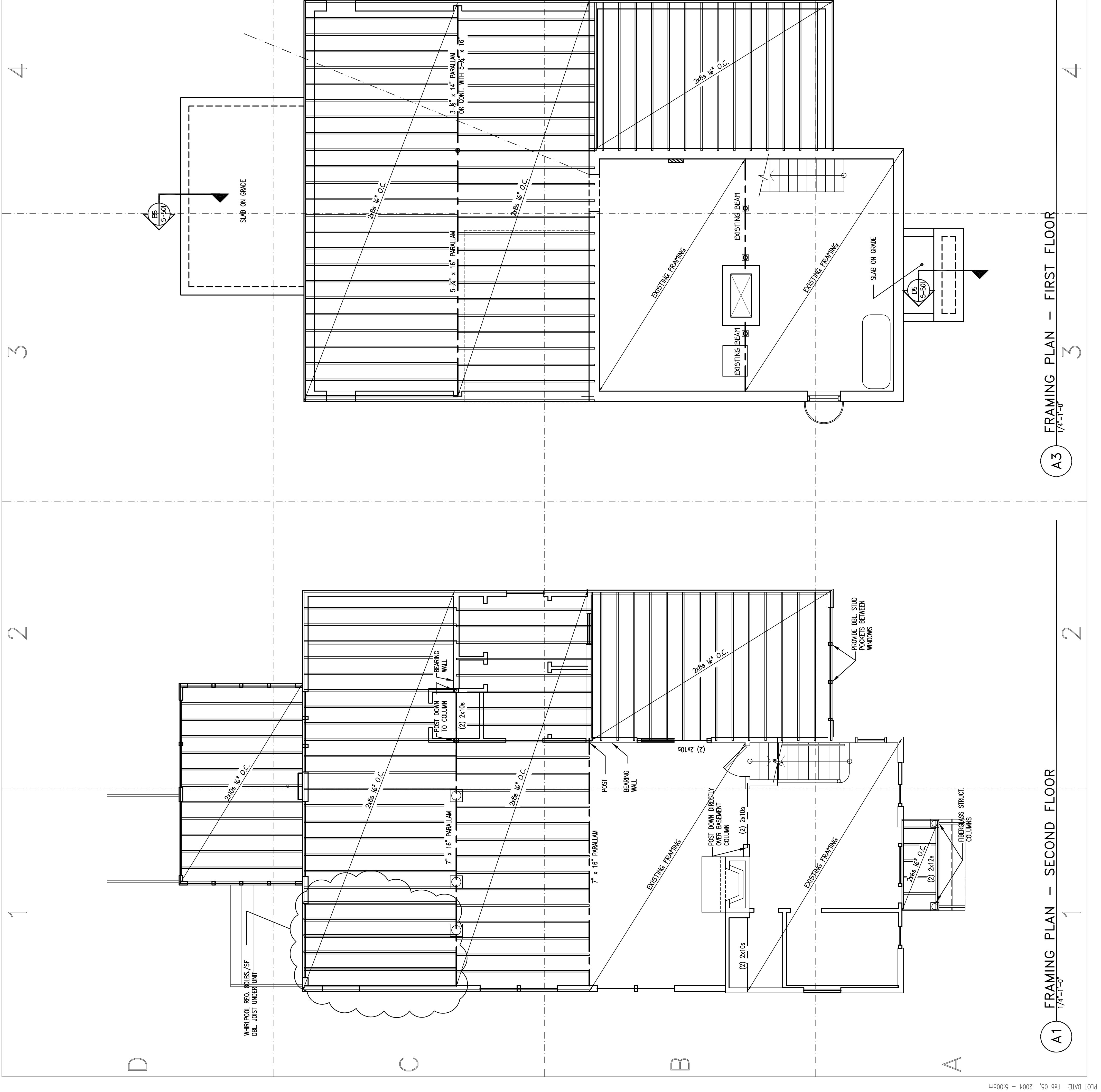
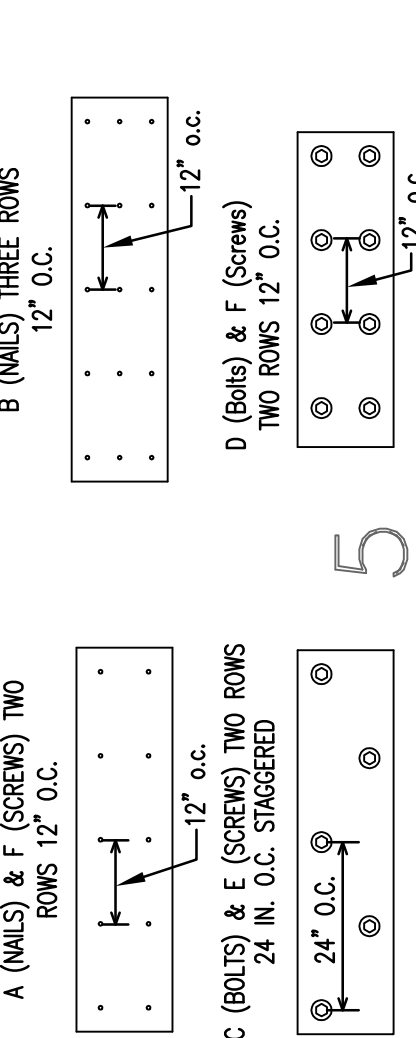
- ④ MICROLAM LVL
- MINIMUM OF 2 ROWS 160 (3-3/4") NAILS AT 12" O.C.
 - MINIMUM OF 3 ROWS 160 (3-3/4") NAILS AT 12" O.C. FOR 14", 16" AND 18" BEAMS MULTIPLE BEAMS OF THE REQUIRED SIZE UP TO A MAXIMUM WIDTH OF 7 INCHES.
- ⑥ PARALLAM PSI
- 10" WIDTH PIECES:
• MINIMUM OF 2 ROWS 160 (3-3/4") NAILS AT 12" O.C.
 - MINIMUM OF 3 ROWS 160 (3-3/4") NAILS AT 12" O.C. FOR 14", 16", AND 18" BEAMS
 - 3" WIDTH PIECES:
• MINIMUM OF 2 ROWS 1/2" BOLTS AT 24" O.C. STAGGERED



NOTE:
FOR SIDE-LOADED MULTIPLE MEMBER BEAMS, ADDITIONAL NAILING OR BOLTING MAY BE REQUIRED. SEE COMMENT TAGS JUST MICROLAM LITERATURE.

MAXIMUM UNIFORM LOAD APPLIED TO EITHER OR BOTH OUTSIDE PIECES (POUNDS PER LINEAL FOOT)

PIECES	A	B	C	D	E	F
MEMBER	2 ROWS	3 ROWS	2 ROWS 24\"/>			



A3 1/4\"/>

A1 1/4\"/>