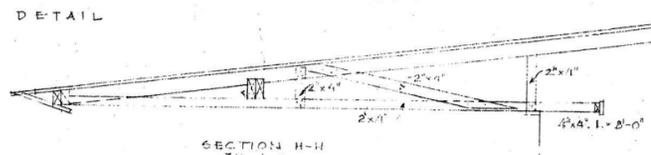
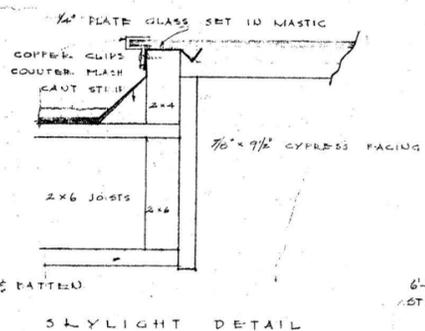
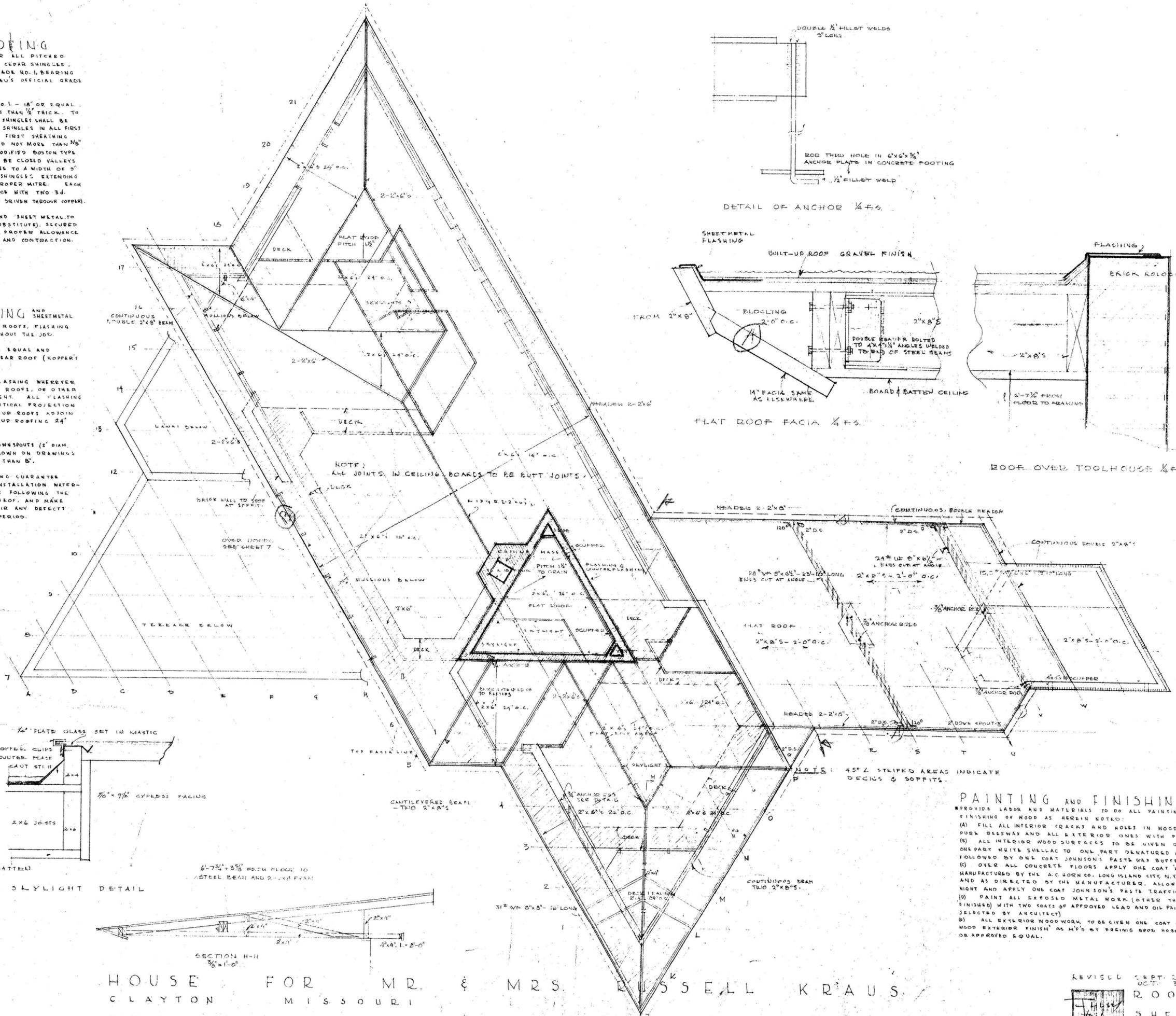


### SHINGLE ROOFING

- THE CONTRACTOR SHALL COVER ALL PITCHED SURFACES WITH APPROVED RED CEDAR SHINGLES, EQUAL AND SIMILAR TO CERTIGRADE NO. 1, BEARING THE RED CEDAR SHINGLE BUREAU'S OFFICIAL GRADE MARKED LABEL.
- SHINGLES SHALL BE CERTIGRADE NO. 1 - 18" OR EQUAL AND SHALL HAVE BUTTS NOT LESS THAN 1/4" THICK. TO BE LAID WITH 5" TO THE WEATHER. SHINGLES SHALL BE DOUBLED AT ALL EAVES. BUTTS OF SHINGLES IN ALL FIRST COURSES SHALL PROJECT 3" FROM FIRST SHEATHING BOARD. SHINGLES SHALL BE SPACED NOT MORE THAN 3/8" NOR LESS THAN 1/4". HIPS SHALL BE MODIFIED BOSTON TYPE (SEE DETAIL). ALL VALLEYS SHALL BE CLOSED VALLEYS WITH FLASHING UNDER EACH COURSE TO A WIDTH OF 9" ON EACH SIDE OF THE VALLEY. SHINGLES EXTENDING INTO VALLEY SHALL BE SAWS TO PROPER MITRE. EACH SHINGLE SHALL BE SECURED IN PLACE WITH TWO 3d GALV. SHINGLE NAILS (COPPER WHEN DRIVEN THROUGH COPPER).
- ALL FLASHING, COUNTERFLASHING AND SHEET METAL TO BE 14 GA. COPPER, (OR APPROVED SUBSTITUTE). SECURED WITH COPPER NAILS AND CLATS. PROPER ALLOWANCE SHALL BE MADE FOR EXPANSION AND CONTRACTION.

### BUILT-UP ROOFING AND SHEETMETAL

- PROVIDE AND INSTALL BUILT-UP ROOFS, FLASHING AND SHEETMETAL WORK THROUGHOUT THE JOB.
- ALL BUILT-UP ROOFING SHALL BE EQUAL AND SIMILAR TO KOPPER'S 4-PLY 15 YEAR ROOF (KOPPER'S SPECIFICATION NO. 2)
- DO ALL FLASHING AND COUNTERFLASHING WHEREVER NECESSARY TO RENDER BUILT-UP ROOFS, OR OTHER PARTS OF THE BUILDING, WATERTIGHT. ALL FLASHING TO EXTEND A MINIMUM OF 6" VERTICAL PROJECTION ABOVE ROOF. WHERE BUILT-UP ROOFS ADJOIN SHINGLE ROOFS EXTEND BUILT-UP ROOFING 24" UNDER WOOD SHINGLES.
- PROVIDE AND INSTALL METAL DOWNSPOUTS (2" DIAM. 12" LONG) AND SCUPPERS WHERE SHOWN ON DRAWINGS AND FLASH INTO ROOF NOT LESS THAN 6".
- THIS CONTRACTOR SHALL IN WRITING GUARANTEE ENTIRE ROOFING AND FLASHING INSTALLATION WATER-TIGHT FOR A PERIOD OF 18 MONTHS FOLLOWING THE COMPLETION AND ACCEPTANCE THEREOF, AND MAKE GOOD BY REPLACEMENT OR REPAIR ANY DEFECTS OR FAILURES OCCURRING IN THAT PERIOD.



HOUSE FOR MR. & MRS. RUSSELL KRAUS  
 CLAYTON MISSOURI  
 FRANK LLOYD WRIGHT ARCHITECT

### PAINTING AND FINISHING

PROVIDE LABOR AND MATERIALS TO DO ALL PAINTING AND FINISHING OF WOOD AS HEREIN NOTED:

- FILL ALL INTERIOR CRACKS AND HOLES IN WOODWORK WITH PURP BLESWAY AND ALL EXTERIOR ONES WITH PLASTIC WOOD.
- ALL INTERIOR WOOD SURFACES TO BE GIVEN ONE COAT OF ONE PART WHITE SHELLAC TO ONE PART DENATURATED ALCOHOL, FOLLOWED BY ONE COAT JOHNSON'S PASTE WAX BUFFED TO A FINISH.
- OVER ALL CONCRETE FLOORS APPLY ONE COAT 'HORN LUX' (AS MANUFACTURED BY THE A. C. HORN CO., LONG ISLAND CITY, N.Y.) OR EQUAL, AND AS DIRECTED BY THE MANUFACTURER, ALLOW TO DRY OVERNIGHT AND APPLY ONE COAT JOHNSON'S PASTE TRAFFIC WAX, AND BUFF.
- PAINT ALL EXPOSED METAL WORK (OTHER THAN CHROME-FINISHED) WITH TWO COATS OF APPROVED LEAD AND OIL PAINT (COLOR SELECTED BY ARCHITECT).
- ALL EXTERIOR WOODWORK TO BE GIVEN ONE COAT OF 'DURABLE WOOD EXTERIOR FINISH' AS MFG. BY BREYER BROS. HOSKIN, N.Y., OR APPROVED EQUAL.

REVISED SEPT. 24, 1921  
 OCT. 31, 1921  
 ROOF FRAMING  
 SHEET NO. 5  
 SCALE 1/4" = 1'-0"