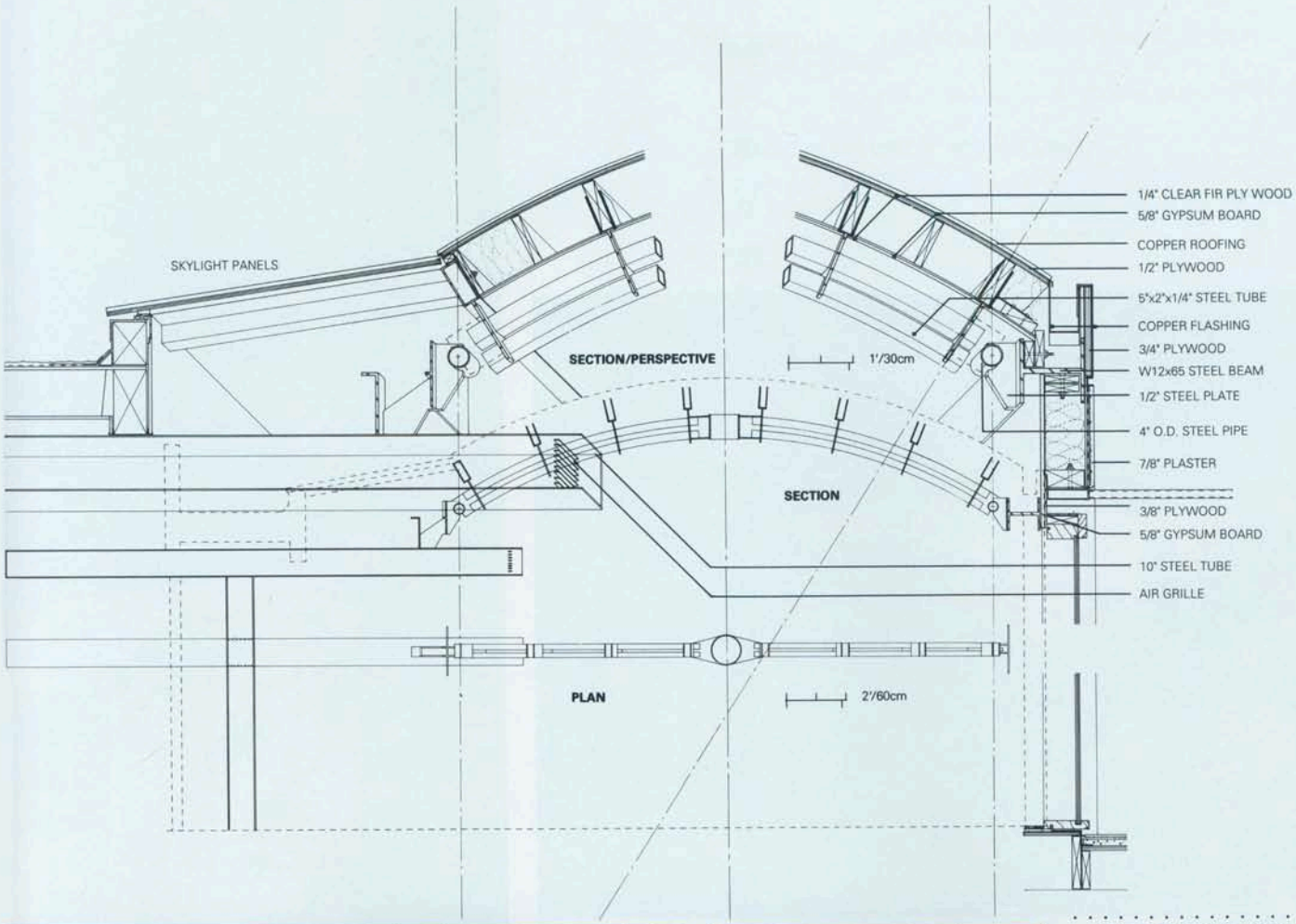
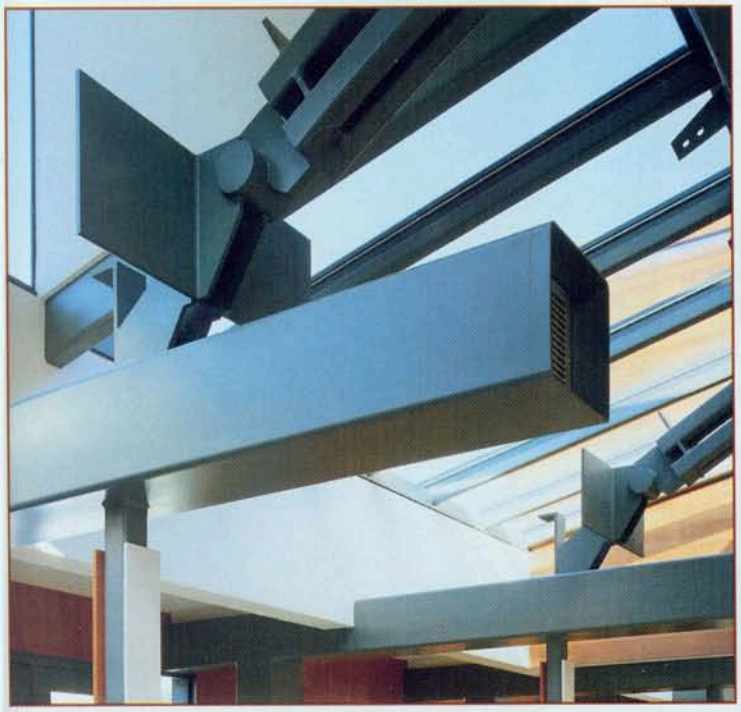
At the end of the last segment of the arc is the copper-clad prow of the guest house, the lower level of which comprises a garage and a storage area.

Project: *Crawford House, Montecito, California.*
Architects: *Morphosis, Santa Monica, California (Thom Mayne, Michael Rotondi, principals; Thom Mayne, partner-in-charge; Kazu Arai, Robin Donaldson, project architects; John Enright, Richard Lundquist, Martin Mervel, Maya Shimoguchi, Ann Zollinger, project team; Brigit Compans, David Guthrie, Jason MacDonald-Hall, Patrick Hurpin, Tom Lasley, Tom Marble, Mehran Mashayekh, Katie Phillips, Michael Sant, Remko Van Buren, Dukho Yeon, Craig Burdick, Jun-ya Nakatsugawa, assistants).*
Clients: *Bill and Joan Crawford.*
Site: *2.4 acres with moderate slope to the southwest, one-half mile from the Pacific Ocean.*
Program: *house with four bedrooms, an art studio, and two garages (7800 gross sq ft); primary living areas were to be near the level of the street. Guest house (650 gross sq ft) includes living, kitchenette, sleeping, and bath areas, and a long garage to hold a limousine (1100 sq ft).*
Structural system: *concrete slab on grade with concrete footings and grade beams; structural steel frame with wood stud and beam wall structure; some cast-in-place concrete structural walls.*
Major materials: *(exterior) standing seam copper panels, clear redwood siding, concrete, and painted sheet metal and exposed structural steel; (interior) painted gypsum board walls, clear Douglas fir plywood, oak floors, painted structural steel (see Building Materials, p. 146).*
Mechanical system: *gas-fired forced air heat, conveyed through structural steel tubes.*
Consultants: *Susan Van Atta & Associates, landscape; Erdelyi-Mezey (main house), Joseph Parazelli (guest house), structural; Sullivan & Associates, mechanical; Saul Goldin & Associates, electrical; Flowers & Associates, civil.*
Contractor: *Paul Franz Construction.*
Costs: *not available.*
Photos: *Richard Barnes.*





Steel connection detail, front.

Steel connection detail, back.

Steel Structure, Living Room Crawford House

Typical of the detailing of Morphosis projects, the steel arch-and-tube structures supporting the living room roof and ceiling in the Crawford house are crafted assemblies, works of art in themselves. A composite drawing of the structure illustrates how the bowed roof deck rests on graceful arched bar members, the load from which is transferred through pinned connections at each end, either to the wall or to 10" x 10" steel tubes carried on 10" x 10" steel tube columns. Both the columns and the horizontal tubes also become ducts for heated air. Air release into the space is through grilles in the horizontal members and adjustable eyeball-like nozzles in the columns. ■