

Objective Statement		Alternatives					
		A			B		
Determine the structural framing system for Clearview Eye & Laser Medical Office Building		WOOD			STEEL		
		Decision Criteria	Rank	Information (Limits)	Score	Weighted Score	Information(Limits)
COST	10	LOWER 1ST COST	10	100	HIGHER FIRST COST	5	50
VIBRATION	8.5	INCREASED VIBRATION	8	68	STIFFER ASSEMBLY = DECREASED VIBRATION	10	85
SOUND (ACOUSTICS)	8.5	BETTER ATTENUATION W/ GWB & RESILIENT	10	85	MODERATE ATTENUATION	8	68
EXTERIOR WALL ASSEMBLY (ENERGY CODE)	8	REDUCED IMPACT	10	80	INCREASED IMPACT	4	32
SCHEDULE	7	10 MONTH	6	42	SAVE 2 - 4 WEEKS	10	70
CEILING PLENUM SPACE (ACCESS FOR MEP INSTALLATION)	7	REDUCED PLENUM	7	49	INCREASED PLENUM / HIGHER CEILING OPTIONS	10	70
FLEXIBILITY OF HVAC SYSTEM	7	REDUCED FLEXIBILITY DUE TO CEILING PLENUM SPACE RESTRICTIONS	6	42	INCREASED FLEXIBILITY ON HVAC SYSTEM	10	70
FINANCING / INSURANCE (ASK OWNER'S LENDER)	3	MAY LIMIT OPTIONS FOR FINANCING OR INCREASE RATES	8	24	POTENTIAL INCREASED FINANCING OPTIONS AND/OR LOWER RATES	10	30
EXTERIOR LOUVER OPENINGS	2	CONFINED LOCATIONS DUE TO STRUCTURE / SHEAR WALLS	8	16	INCREASED FLEXIBILITY IN LOCATION	10	20
FUTURE USE (SHEAR WALLS VS COLUMNS)	2	SHEAR WALLS WILL LIMIT FLEXIBILITY IN WALL LOCATIONS (CURRENT & FUTURE)	6	12	GREATER FLEXIBILITY BUT LARGER COLUMNS	8	16
ROOF ASSEMBLY	2	Simple roof system (1 sheathing layer)	10	20	More complex roof system (2 sheathing layers; metal pan and wood)	7	14
FLOOR RATING (FIREPROOF VS. GWB)	2	Not required when sprinklered. 1-hour required at occupancy separation and ASC. These areas (floor of ASC and ceiling of Retail) will require GWB lid on bottom of framing	5	10	Steel framing similar to wood. 1-hour requirement with steel pan/conc requires fire protection of individual framing members, or similar GWB lid on bottom of framing.	5	10
Winter Framing Moisture Control	2	Wood framing moisture control/dry out	7	14	Metal framing reduced need for moisture control	10	20
Wood framing crew availability	1	Labor resources may be scarce	8	8	Multiple metal framing contractors	10	10
				0			0
				0			0
		Total		570	Total		565