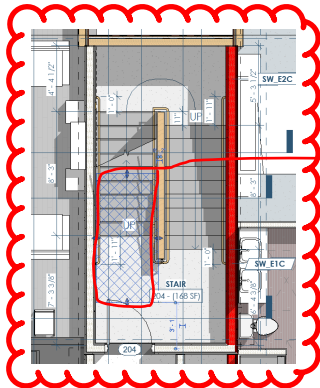


Table 1: Gravity Loads

Use	Live Loading	Superimposed Dead Loading
Parking Garage	40	3
Storage/HVAC	120	20
Stairways, exits	100	20
Level 1 residential	40	20
Level 1 corridors	100	20
Level 1 office, recreational	100	20
Level 1 overpass (designated)	150	150
Elevated levels residential	40	20
Elevated levels corridors	40	20
Corridors	60	20
Balconies	40	20
Roof	20	20



$$35\text{sf} \times (28\text{lb/sf (live&dead loads)}) = 4480\text{lbs}$$

since 2050lbs < 4480lbs the hanger would be undersized

Actual Joist Size (in.)	Model No. <sup>3</sup>	Ga.	Dimensions (in.)			Min./Max. <sup>2</sup>	Fasteners <sup>5</sup>		Allowable Loads <sup>4</sup>							Code Ref.
			W	H	B		Face	Joist	DF/SP Species Header				SPF/HF Species Header			
									Uplift (160)	Floor (100)	Snow (115)	Roof (125)	Floor (190)	Snow (115)	Roof (125)	
5½ x 11½–11⅞	HU612 / HUC612	14	5½	9¾	2½	Min.	(16) 16d	(6) 16d	1,345	2,380	2,685	2,830	2,050	2,315	2,490	I9, FL, L12, L17
	HHUS5.50/10		5½	9¾	2½	Max.	(22) 16d	(8) 16d	1,795	3,275	3,695	3,970	2,820	3,180	3,425	
	HUC0612-SDS		5½	9	3	—	(30) 16d	(10) 16d	2,845	5,660	6,380	6,830	4,870	5,490	5,875	I9, FL, L12, L17 I9, FL, L12
	HGUS5.50/12	12	5½	10½	4	—	(14) ¼" x 2½" SDS	(6) ¼" x 2½" SDS	2,520	5,315	5,315	5,315	3,825	3,825	3,825	
				5½	10½	4	—	(56) 16d	(20) 16d	5,045	9,600	9,600	9,600	8,255	8,255	8,255