



CONCRETE BEAM SCHEDULE (CONTINUED)											
MARK	SIZE	WIDTH	DEPTH	NUMBER	TYPE	REMARKS	NUMBER	SIZE	TYPE	REMARKS	LOCATION
B40	12	30	3	7	1		3	9	7	5-0	B42 END
B41	12	30	3	7	1		4	9	7	5-0	B42 END
B42	12	30	3	7	1		2	8	6	5-0	DISC. END
B43	8	36	2	9	1		2	8	6	3-6	EACH END
B44	12	15	3	6	2	0	1	2	3	6	3-6
B45	14	30	4	8	2	6	1	2	10	4-6	DISC. END
B46	14	30	4	8	3	6	6	1	4	10	7-4
B47	14	30	4	7	2	6	1	3	9	10	4-6
B48	14	3	7	3	6	6	1	1	10	10	2-6
B49	14	3	7	2	6	1	1	1	10	10	2-6
B50	10	30	2	8	2	6	1	3	6	10	5-0
B51	10	30	2	8	3	6	1	3	7	7	5-0
B52	10	30	2	8	3	6	1	4	7	7	5-0
B53	8	36	2	8	2	6	1	2	7	6	4-6
B54	4	17 1/2	3	9	1	1	1	2	9	6	4-6
B55	10	8	2	6	1	1	1	2	4	6	2-6
B56	12	10	3	7	1	1	1	2	5	6	2-6
B57	12	14	3	7	1	1	1	3	5	6	3-0
B58	12	19	3	9	1	1	1	3	6	6	3-6
B59	8	19	3	6	1	1	1	2	4	6	3-6
B60	12	15	3	8	1	1	1	3	5	6	3-6
B61	15	26	4	11	1	1	1	4	8	6	5-0
B62	18	24	5	10	1	1	1	5	7	6	5-0
B63	12	18	3	8	1	1	1	3	6	4-6	DISC. END
B64	12	18	3	7	1	1	1	3	9	7	4-6
B65	12	18	3	7	1	1	1	3	9	7	4-6
B66	12	22	4	8	1	1	1	4	7	6	4-6
B67	12	22	4	7	1	1	1	4	9	7	5-0
B68	12	22	3	8	1	1	1	3	7	6	4-6
B69	12	22	3	7	1	1	1	3	8	7	5-0
B70	12	20	3	8	1	1	1	3	6	6	4-6
B71	12	20	3	7	1	1	1	3	8	7	5-0
B72	12	20	3	7	1	1	1	3	8	7	5-0
B73	12	15	3	7	1	1	1	3	5	6	4-6
B74	12	15	3	7	1	1	1	3	5	6	4-6
B75	12	24	3	6	1	1	1	3	6	6	3-6
B76	12	24	3	8	1	1	1	3	9	7	5-0
B77	12	24	3	8	1	1	1	3	10	7	5-0
B78	12	24	3	9	1	1	1	3	6	6	4-6
B79	18	24	3	8	1	1	1	3	9	10	6-6
B80	18	24	3	9	1	1	1	5	9	7	6-6
B81	18	24	3	9	1	1	1	8	3	Do	Do

**GENERAL NOTES**

- FOUNDATIONS: Bottom of all exterior footing shall be a min. of 3'-0" below finished grade and a min. of 2'-0" below existing grades. A soil bearing capacity of 5000 p.s.f. was assumed in the 5th design. If soil of this capacity is not encountered at elevs. shown, it shall be lowered or increased in size as directed by engineer.
- CONCRETE: To have the following compressive strength at 28 days. Flywells 2500 p.s.f. All other concrete 3000 p.s.f. Provide #4-#10 welded wire mesh in topping over braced plank.
- STEEL JOISTS: Joint installation shall conform to the requirements of the Steel Institute. Joint manufacturer shall be a member of the Steel Institute. See Specifications for joint.
- STRUCTURAL STEEL: Fabrication and erection of structural steel shall conform to specs. of the A.I.S.C. Shop and field inspection by a qualified inspection and testing firm approved and paid by the Contractor. All welding to be in accordance with latest recommendations of A.W.S. 5/32 max. welding rod for all structural welding. Steel erected in concrete not to be painted and provided beam wrapping for steel encasement concrete for painting of other structural steel. See Specifications. Erection seats and clips, shown on drawings as E.S.C. as manufactured by J.H. Williams and Company, Buffalo, N.Y. or approved equal. Use 3/8" back up plate on all butt welds.
- LIMITS: All openings in walls and partitions to be provided with limits. Limits to be stone or concrete, loaded tile or structural steel as indicated or noted on Arch. and Struct. dwgs. All limits in non-bearing partitions to have 4" min. end bearing. All other limits to have 8" min. end bearing. All bearings shall be solid masonry. For openings for ducts, radiators and other openings for mech. trades, or any other openings not specifically shown, provide either one 4x36" L or 4x18" x 2" concrete lintel, as directed by the Arch. For each 4" of wall thickness on openings up to 6'-0". Use a 6x36" x 1/2" L for each 4" of wall thickness on openings 6'-0" to 10'-0". Concrete and loaded tile limits to have 4" top and bottom for each 4" of wall thickness unless otherwise specified.
- Precast Floor Systems: Dex Block and/or Rapidex as manufactured by the Baltimore Concrete Plank Co. or approved equal. Provide 3" mid level bearing under plank. Fabricated length of Dex Planks must be held within a tolerance of 1/2" overall. For mesh in concrete topping see concrete specs.
- Light Weight Concrete: Aggregate to be Perlite or Vermiculite conforming to the requirements of the Perlite and Vermiculite Institute. Light weight concrete to be reinforced with 4x8-1/2" galvanized wire mesh. Corrugated metal centering to be galvanized "Corruform" and "Tuform" as manufactured by Genco Co. or approved equal.

**DESIGN DATA**  
 Steel  $f_s = 20,000$  p.s.f.  
 Concrete  $f_c = 2,500$  p.s.f.  
 $f_c = 3,000$  p.s.f.  
 $f_c = 4.5$  fc

**LIVE LOADS**  
 Roof 30 p.s.f.  
 Storage rooms, Corridors  
 Lobby, Stairs 100 p.s.f.  
 Office 50 p.s.f.  
 Class rooms 60 p.s.f.  
 Stage 125 p.s.f.  
 Gym 100 p.s.f.

DETAILS AND BEAM SCHEDULE		PART A
<b>NOTRE DAME PREPARATORY SCHOOL</b> BALTIMORE COUNTY, MARYLAND <b>UPPER SCHOOL</b> FOR THE <b>SCHOOL SISTERS OF NOTRE DAME</b>		
TAYLOR and FISHER, ARCHITECTS D. K. ESTE FISHER, JR., F.A.I.A. - WARREN A. BOWENSOCK, A.I.A. 130 W. HAMILTON ST., BALTIMORE 1, MD.		JOB NO. 1115 DATE: APRIL 1, 1959 DRAWING NUMBER <b>S-13</b>
VAN RENSSELAER P. SAXE - STRUCTURAL ENGINEER HENRY ADAMS, INC. - MECHANICAL ENGINEERS		THIS PRINT ISSUED: <b>APR 7 1959</b>
MARTIN FUNNELL - LANDSCAPE ARCHITECT		