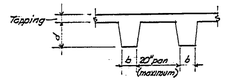
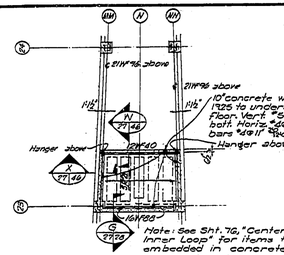
CONCRETE BEAM SCHEDULE

Mark	Size b	Size d	Top of Ell	Reinforcement Top bars left end	Bottom bars	Top bars right end	Stirrups Size	Type	Spacing Each End	Notes See Struct Std. 6-G-20
551	18	23		4'7	2#11#90	4'7	3	32	#2@4#5,5#5,rest@12"	
552	12	29		3'6	2#11#140	3'6	4	32	1#5,rest @12"	From left end
553	12	42		4'8	5#11#310(1)	4'8	3	32	1@2#5,4@5#5,rest@12"	
554	12	42		4'7	5#11#310(1)	4'7	3	32	1@2#5,5#5,rest @12"	From right end
555	12	21		3'7	3#11	3'7	3	32	1@3#5,5#5,rest @12"	
556	12	21		3'7	3#11	3'7	3	32	1@3#5,5#5,rest @12"	
557	12	26		3'6	3#11	3'6	4	32	12" thru out	
558	23	19		3'6	6#9	3'6	3	052	12" thru out	
559	21½	19		3'6	6#9	3'6	3	052	12" thru out	
5510	18	19		2'5	3'6	2'5	3	52	12" thru out	Strut ST 8W29
5511	13	19		2'6	3#7	2'6	-	-	-	

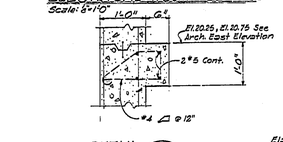
* Top bars at ends to extend ⅓ clearspan from face of support unless otherwise shown in details or sections.
Beams 5B6 & 5B7 are to be approx. centered under fan supports. Locations of these supports must be verified from fan supplier before forming beams. Design load for fans in Fan Room 2 is 160 kips each equally distributed to 6 supports.



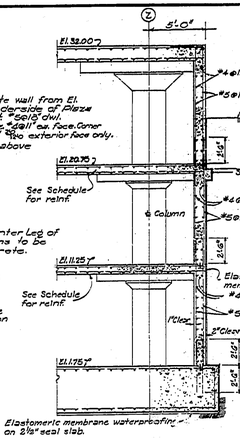
LEGEND FOR RIBBED SLAB SECTIONS



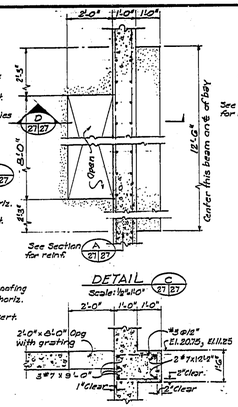
FRAMING PLAN - TUNNEL
ELECTRICAL ROOM # El. +19.25
Scale: 1/8"=1'0"



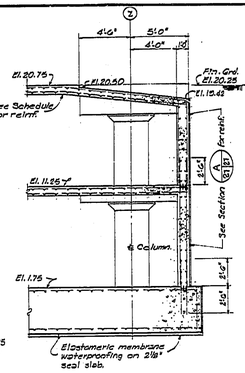
DETAIL B
Scale: 1½"=1'0"



SECTION A
Scale: 1/4"=1'0"



DETAIL C
Scale: 1½"=1'0"



SECTION E
Scale: 1/4"=1'0"

CONCRETE RIBBED SLAB SCHEDULE

Mark	Size Width b	Depth d	Spacing	Reinforcement Top bars Left end	Bottom bars	Top bars right end	Notes See Structural Standard Detail 6-G-9C.
5D1	9	16	5	2'7	2#10;1#11	2'7	
5D2	9	14	5	2'6	2#9;1#10	2'6	
5D3	9	14	5	2'6	2#9;1#8	2'6	No taper
5D4	15	20	5	3'7	3#11;2#10	3'7	3 @ 6", 7#6, rest @ 12" from left end
5D5	9	20	5	2'7	2#10;1#9	2'7	
5D6	18	20	5	3'7	4#11;2#10	3'7	3 @ 6", 7#6, rest @ 12" from left end
5D7	9	20	5	2'7	2#10;1#9	2'7	
5D8	6	14	5	2'5	2'6	2'5	No taper
5D9	9	14	5	3'5	3'5	3'5	No taper
5D10	9	16	5	2'7	2'10	2'7	
5D11	9	20	5	2'6	1'10;2#9	2'6	3 @ 3", 3#9 @ 12" from each end
5D12	9	20	5	2'6	1'10;2#9	2'6	3 @ 3", 5#9 @ 12" from left end
5D13	10	12	6	2'6	2#11;1#10	2'6	3 @ 3", 1#9, 4#6, 3#5 @ 12" as end
5D14	12	20	5	2'7	3#11	2'7	3 @ 3", 6#6, 1#5 each end
5D15	9	14	5	2'6	2'9	2'6	
5D16	9	14	5	2'5	2'6	2'5	No taper
5D17	9	20	5	3'6	2'9	3'6	
5D18	9	20	5	3'7	2#11;2#10(1)	3'7	16-3D-6" Right end rest @ 12"
5D19	14	5	5	4'6	2#9;1'6	4'6	
5D20	15	14	5	4'7	2#10;1#9	4'7	
5D21	9	14	5	2'4	2'5	2'4	
5D22	9	14	5	2'4	2'7	2'4	
5D23	9	20	5	2'4	2'6	2'4	
5D24	9	18	5	2'4	2'6	2'4	

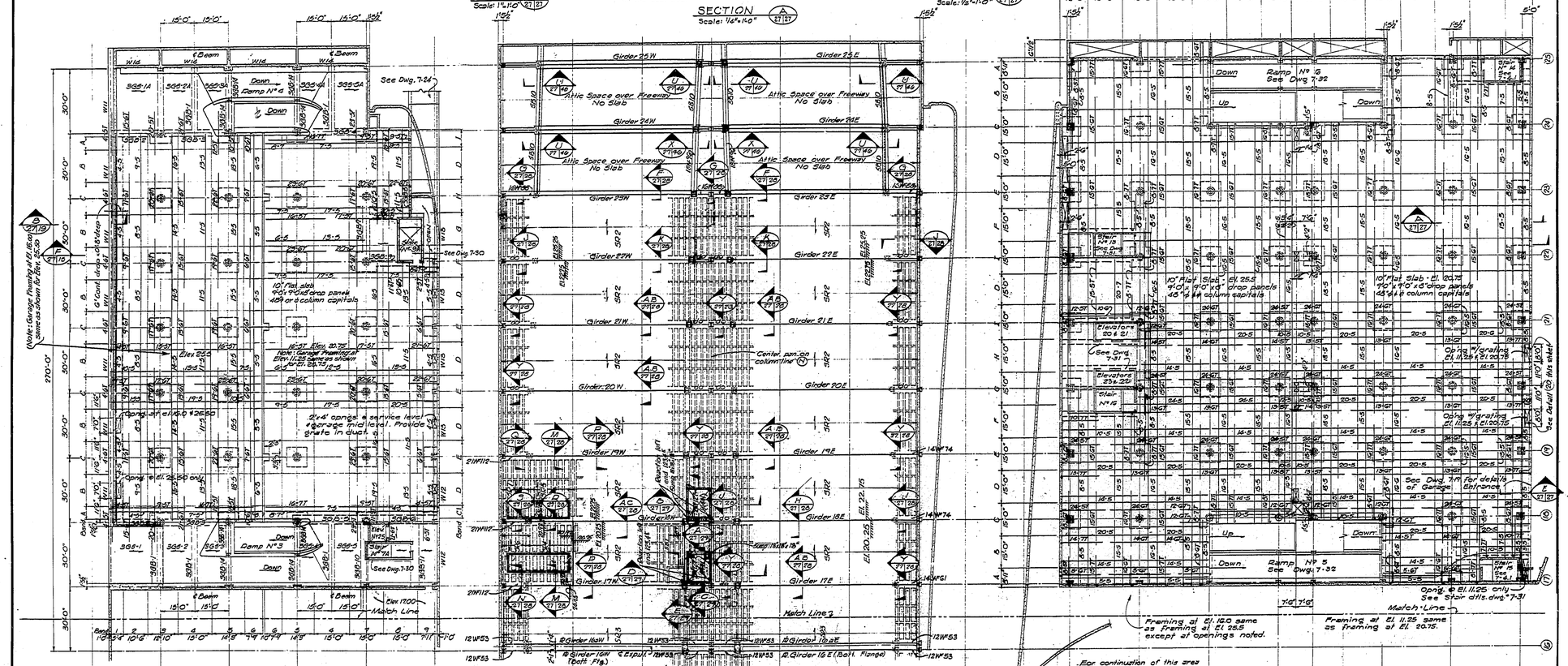
Camber all ribbed slab spans ½" @ ℄ span.
Typical metal pans for forming ribbed slab shall be 20" wide. Smaller pans may be used to close out spacing of beams and walls. See legend at left of this sheet.
*Top bars at ends to extend ⅓ clear span from face of support unless otherwise shown in details or sections. Ends of ribs shall be tapered unless noted otherwise.

Notes

— Indicates direction of span for concrete joists or slab

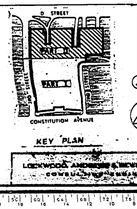
See Dwg. 7-1 for General Notes.
See Dwg. 7-6 for list of Standard Details.
See Dwg. 7-31 for floor slopes in garages.
Camber all flat slab spans ½" @ ℄ span.

Flat slab reinforcing shall be placed in accordance with GSA Standard Detail 6-2-85 except every third top bar shall extend 6' past midspan.



FRAMING PLAN - SERVICE & GARAGE UPPER LEVEL AND GARAGE MID LEVEL - PART II
Scale: 1/16"=1'0"

NOTE: Mid-level garage framing similar to framing shown for upper level garages. See Arch. Dwg. 3-4 for block-outs in slab for stairs in 2nd St. garage.



KEY PLAN

LOCKWOOD, ANDREWS & NEWNAM, INC.
CONSULTING ENGINEERS

DCC11622 76

BROOKS BARR GRAEBER & WHITE AND PITTS MEBANE PHELPS & WHITE
ARCHITECTS AND ENGINEERS

APPROVED	ARCHITECTURAL	STRUCTURAL
GENERAL SERVICES ADMINISTRATION PUBLIC BUILDINGS SERVICE • WASHINGTON D.C.		
PROJECT	U.S. DEPARTMENT OF LABOR	
LOCATION	WASHINGTON D.C.	
STREET	200 CONSTITUTION AVENUE N.W.	
PROJ. NO.	68019	FILE NO.
DRAWN BY	JDW	CHECKED BY EHZ
DRAWING TITLE	FRAMING PLAN-SERVICE LEVEL - PART II	
	STRUCTURAL	
DRAWING NUMBER	7-27	PHASE I

76

30X