NOTE: FOR DIFFUSER TYPES SEE SCHEDULE DWG. H3
▲ = WALL TYPE REGISTER

DIFFUSER, REGISTER & GRILLE SCHEDULE

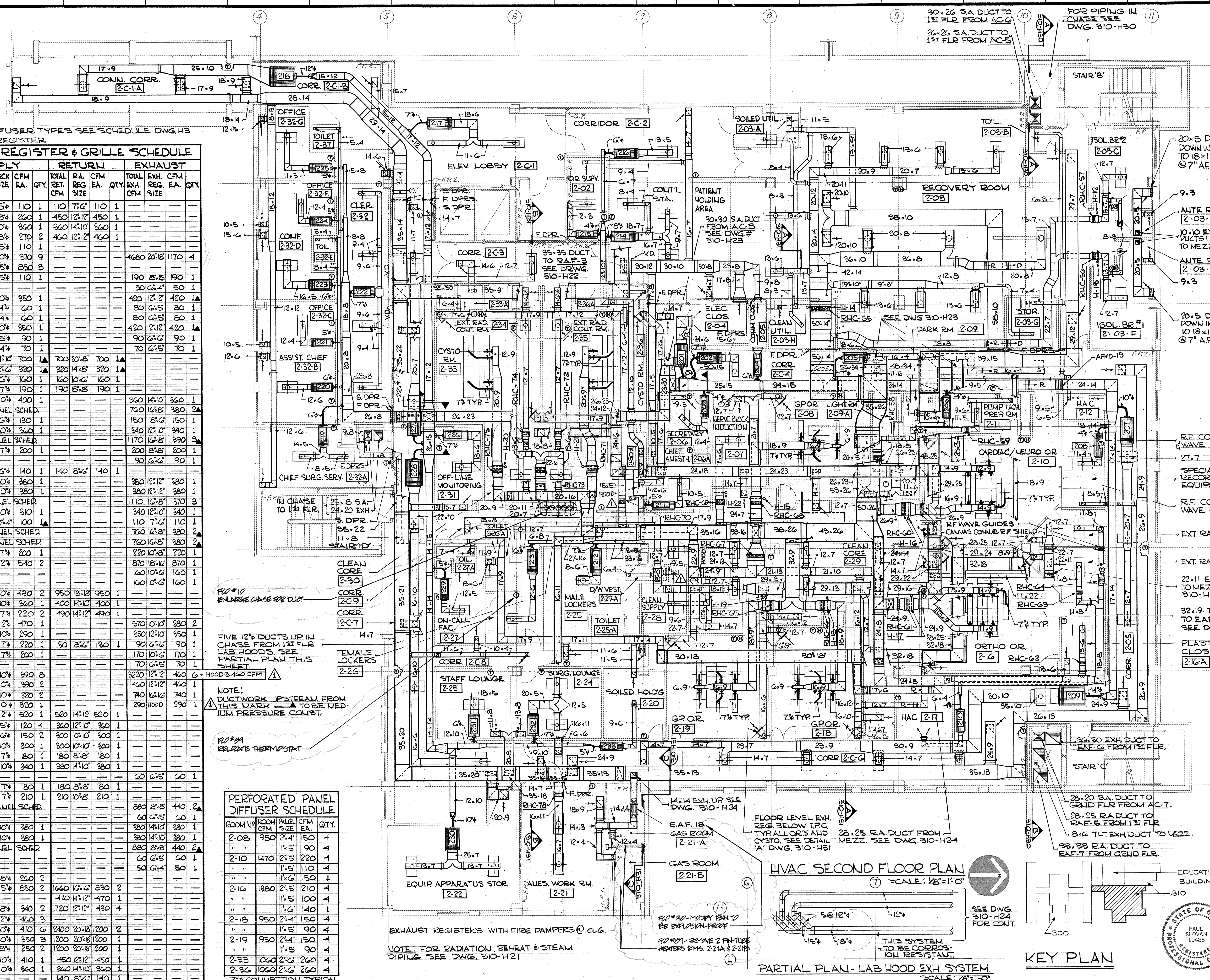
ROOM Nº	SUPPLY: TOTAL ROOM CFM	SUPPLY: DIFF. TYPE	SUPPLY: NECK SIZE	SUPPLY: CFM EA.	SUPPLY: QTY.	RETURN: TOTAL RET. CFM	RETURN: R.A. REG SIZE	RETURN: CFM EA.	RETURN: QTY.	EXHAUST: TOTAL EXH. CFM	EXHAUST: EXH. REG. SIZE	EXHAUST: CFM EA.	EXHAUST: QTY.
2-02	110	A	5"φ	110	1	110	7"x6"	110	1	—	—	—	—
2-C-2	260	A	8"φ	260	1	450	12"x12"	450	1	—	—	—	—
2-C-3	360	A	10"φ	360	1	360	14"x10"	360	1	—	—	—	—
PAT. HOLD.	540	A	8"φ	270	2	460	12"x12"	460	1	—	—	—	—
CONT. STA.	110	A	5"φ	110	1	—	—	—	—	—	—	—	—
2-03	3330	A	10"φ	370	9	—	—	—	—	4680	20"x18"	1170	4
" "	2550	A	15"φ	850	3	—	—	—	—	—	—	—	—
2-03-A	110	A	5"φ	110	1	—	—	—	—	190	8"x8"	190	1
2-03-B	—	—	—	—	—	—	—	—	—	50	6"x4"	50	1
2-03-C	350	A	10"φ	350	1	—	—	—	—	420	12"x12"	420	1▲
2-03-D	60	C	4"φ	60	1	—	—	—	—	80	6"x5"	80	1
2-03-E	60	C	4"φ	60	1	—	—	—	—	80	6"x5"	80	1
2-03-F	350	A	10"φ	350	1	—	—	—	—	420	12"x12"	420	1▲
2-03-G	90	A	5"φ	90	1	—	—	—	—	90	6"x6"	90	1
2-03-H	70	A	4"φ	70	1	—	—	—	—	70	6"x5"	70	1
2-04	700	—	24"x10"	700	1▲	700	30"x8"	700	1▲	—	—	—	—
2-05	320	—	22"x6"	320	1▲	320	14"x8"	320	1▲	—	—	—	—
2-06	160	A	6"φ	160	1	160	10"x6"	160	1	—	—	—	—
2-06-A	190	A	7"φ	190	1	190	8"x8"	190	1	—	—	—	—
2-07	400	A	10"φ	400	1	—	—	—	—	360	14"x10"	360	1
2-08	SEE PERF. PANEL SCHED.					—	—	—	—	760	16"x8"	380	2▲
2-09	130	C	6"φ	130	1	—	—	—	—	150	8"x6"	150	1
2-09-A	360	A	10"φ	360	1	—	—	—	—	340	12"x10"	340	1
2-10	SEE PERF. PANEL SCHED.					—	—	—	—	1170	16"x8"	390	3▲
2-11	200	A	7"φ	200	1	—	—	—	—	200	8"x8"	200	1
2-12	—	—	—	—	—	—	—	—	—	90	6"x6"	90	1
2-13	140	A	6"φ	140	1	140	8"x6"	140	1	—	—	—	—
2-14	380	A	10"φ	380	1	—	—	—	—	380	12"x12"	380	1
2-15	380	A	10"φ	380	1	—	—	—	—	380	12"x12"	380	1
2-16	SEE PERF. PANEL SCHED.					—	—	—	—	1110	16"x8"	370	3
2-16-A	310	A	10"φ	310	1	—	—	—	—	340	12"x10"	340	1
2-17	100	—	10"x4"	100	1▲	—	—	—	—	110	7"x6"	110	1
2-18	SEE PERF. PANEL SCHED.					—	—	—	—	760	16"x8"	380	2▲
2-19	SEE PERF. PANEL SCHED.					—	—	—	—	760	16"x8"	380	2▲
2-20	200	C	7"φ	200	1	—	—	—	—	220	10"x8"	220	1
2-21	1080	A	12"φ	540	2	—	—	—	—	870	18"x16"	870	1
2-21-A	—	—	—	—	—	—	—	—	—	160	10"x6"	160	1
2-21-B	—	—	—	—	—	—	—	—	—	160	10"x6"	160	1
2-22	950	A	10"φ	430	2	950	18"x18"	950	1	—	—	—	—
2-23	360	A	10"φ	360	1	400	14"x10"	400	1	—	—	—	—
2-24	440	A	7"φ	220	2	490	14"x12"	490	1	—	—	—	—
2-25	470	C	12"φ	470	1	—	—	—	—	570	10"x10"	280	2
2-26	290	C	10"φ	290	1	—	—	—	—	350	12"x10"	350	1
2-27	220	A	7"φ	220	1	130	8"x6"	130	1	90	6"x6"	90	1
2-28	200	A	7"φ	200	1	—	—	—	—	170	10"x6"	170	1
2-29-A	—	—	—	—	—	—	—	—	—	70	6"x5"	70	1
2-29	3120	A	10"φ	390	8	—	—	—	—	3220	12"x12"	460	6 + HOOD@460 CFM
2-C-9	780	A	10"φ	390	2	—	—	—	—	460	12"x12"	460	1
2-30	650	A	10"φ	320	2	—	—	—	—	740	16"x16"	740	1
2-30-A	320	A	10"φ	320	1	—	—	—	—	290	HOOD	290	1
2-31	520	A	12"φ	520	1	520	14"x12"	520	1	—	—	—	—
2-32	460	A	5"φ	120	4	360	12"x10"	360	1	—	—	—	—
2-32-A	300	A	6"φ	150	2	300	10"x10"	300	1	—	—	—	—
2-32-B	300	A	10"φ	300	1	300	10"x10"	300	1	—	—	—	—
2-32-C	180	A	7"φ	180	1	180	8"x8"	180	1	—	—	—	—
2-32-D	340	A	10"φ	340	1	380	14"x10"	380	1	—	—	—	—
2-32-E	—	—	—	—	—	—	—	—	—	60	6"x5"	60	1
2-32-F	180	A	7"φ	180	1	180	8"x8"	180	1	—	—	—	—
2-32-G	210	A	7"φ	210	1	210	10"x8"	210	1	—	—	—	—
2-33	SEE PERF. PANEL SCHED.					—	—	—	—	880	18"x8"	440	2▲
2-33-A	—	—	—	—	—	—	—	—	—	60	6"x5"	60	1
2-34	380	B	10"φ	380	1	—	—	—	—	380	14"x10"	380	1
2-35	380	B	10"φ	380	1	—	—	—	—	380	14"x10"	380	1
2-36	SEE PERF. PANEL SCHED.					—	—	—	—	880	18"x8"	440	2▲
2-36-A	—	—	—	—	—	—	—	—	—	60	6"x5"	60	1
2-37	—	—	—	—	—	—	—	—	—	50	6"x4"	50	1
2-C-1	520	A	8"φ	260	2	—	—	—	—	—	—	—	—
2-C-1-A	1660	A	15"φ	830	2	1660	16"x16"	830	2	—	—	—	—
2-C-1-B	—	—	—	—	—	470	14"x12"	470	1	—	—	—	—
2-C-7	680	A	8"φ	340	2	1720	12"x12"	430	4	—	—	—	—
" "	1380	A	12"φ	460	3	—	—	—	—	—	—	—	—
2-C-6	2460	A	10"φ	410	6	2400	20"x18"	1200	2	—	—	—	—
2-C-5	1040	A	10"φ	350	3	1200	20"x18"	1200	1	—	—	—	—
2-C-4	500	A	8"φ	250	2	1200	20"x18"	1200	1	—	—	—	—
" "	410	A	10"φ	410	1	450	12"x12"	450	1	—	—	—	—
2-C-3	360	A	10"φ	360	1	360	14"x10"	360	1	—	—	—	—
2-C-8	—	—	—	—	—	140	8"x6"	140	1	—	—	—	—

NOTE:
⚠1 DUCTWORK UPSTREAM FROM THIS MARK ▲ TO BE MEDIUM PRESSURE CONST.

PERFORATED PANEL DIFFUSER SCHEDULE

ROOM Nº	ROOM CFM	PANEL SIZE	CFM EA.	QTY.
2-08	950	2'x4'	150	4
" "		1'x5'	90	4
2-10	1470	2'x5'	220	4
" "		1'x5'	110	4
" "		1'x6'	150	1
2-16	1380	2'x5'	210	4
" "		1'x5'	100	4
" "		1'x6'	140	1
2-18	950	2'x4'	150	4
" "		1'x5'	90	4
2-19	950	2'x4'	150	4
" "		1'x5'	90	4
2-33	1060	2'x6'	260	4
2-36	1060	2'x6'	260	4

7"φ CONNECTION TYPICAL.



TERMINAL BOX SCHEDULE

MARK	ROOM LOCATED	INLET SIZE	CFM	R.H. COIL MARK Nº	MIN. CFM	"SP	NC
201*	2-C-4	8"φ	700	—	—	.93	35
202	2-C-4	7"φ	410	RHC-45	—	.91	31
203	2-06	4"φ	160	—	—	1.04	29
204*	2-C-4	6"φ	320	—	—	1.00	35
205	2-C-4	7"φ	500	RHC-46	—	1.01	35
206	2-11	4"φ	130	—	—	.95	25
207	2-C-5	10"φ	1040	RHC-76	—	.99	37
208	2-13	4"φ	140	—	—	.98	27
209	2-C-6	14"φ	2460	RHC-77	—	1.18	37
210	2-C-6	4"φ	100	—	—	.85	21
211	2-06-A	5"φ	190	—	—	.82	30
212*	2-25	7"φ	470	RHC-47	—	.98	34
213*	2-26	6"φ	290	RHC-48	—	1.02	34
214	PAT. HOLD.	8"φ	650	RHC-51	—	1.14	37
215	2-02	4"φ	110	—	—	.88	23
216	2-C-2	6"φ	260	RHC-53	—	.96	31
217	2-C-1	7"φ	520	RHC-52	—	1.04	35
218	2-C-1-A	12"φ	1660	RHC-54	—	1.08	38
219	2-32-A	6"φ	300	RHC-106	150	1.04	34
220	2-32-B	6"φ	300	RHC-105	150	1.04	34
221	2-32-C	5"φ	180	RHC-104	60	.83	26
222	2-32	7"φ	440	—	—	.87	33
223	2-32-D	6"φ	340	RHC-103	85	.90	30
224	2-32-F	5"φ	180	RHC-102	60	.83	26
225	2-32-G	5"φ	210	RHC-101	50	.90	31
226	2-31	7"φ	520	—	—	.96	35
227	2-C-7	10"φ	1040	RHC-49	—	.99	37
228	2-C-7	12"φ	1380	RHC-50	—	1.08	38
229	2-27	5"φ	220	—	—	.88	32
230	2-22	10"φ	950	RHC-107	240	1.12	37
231	2-23	6"φ	360	RHC-108	180	.93	30
232	2-24	7"φ	440	RHC-109	220	.95	33
233	2-C-6	5"φ	200	—	—	.84	31

1. ALL BOXES ARE VARIABLE VOLUME UNLESS NOTED.
2. * = CONSTANT VOLUME BOX.
3. SEE REHEAT COIL SCHEDULE DRAWING, #H3.
4. PROVIDE ADAPTERS AT ALL BOXES WHERE RUNOUT DUCT SIZE AND BOX INLET SIZE VARY.
5. NC NOT TO EXCEED 40 @ 4" SYSTEM S.P.

NOTE:
FOR RADIO FREQUENCY (R.F.) SHIELDING INFORMATION - WAVE GUIDES, CONNECTIONS, ETC. SEE ARCHITECTURAL DWG'S 310-40 & 41.

GENERAL NOTES:
1. ALL SUPPLY DUCTWORK DOWNSTREAM FROM AFTER FILTER ON UNIT AC-4 TO BE STAINLESS STEEL. (LOW VELOCITY CONST.)
2. ALL RECTANGULAR RETURN AND EXHAUST AIR DUCT SYSTEMS ARE TO BE LOW VELOCITY - LOW PRESSURE CONSTRUCTION.
3. CONTR. TO VERIFY DIFFUSER QUANTITIES FROM FLOOR PLANS.

5-8-1-2254

RECORD DRAWINGS 1-83 WWP (DATE, BY)

NO.	DATE	DESCRIPTION
⚠1	5-23-80	REMOVED EXH. REG. FROM ROOMS 2-30A & 2-29 AND ADDED EXH. HOODS OVER STERILIZERS.

REVISIONS

SHEET TITLE: HVAC SECOND FLOOR PLAN
BLDG. NO.: 310
PROJECT TITLE: CLINICAL ADDITION
DRAWN: RLT | CHECKED: JAW | DATE: 12.5.77
DALTON DALTON LITTLE NEWPORT
3605 WARRENSVILLE CENTER RD.
CLEVELAND, OHIO 44122
DRAWING NUMBER: 310-H-17
DWG. 17 OF 34
APPROVED: PROJECT DIRECTOR
PROJECT NUMBER: 552-081
STATE OF OHIO PAUL SLOVAN 19485 REGISTERED PROFESSIONAL ENGINEER
VETERANS ADMINISTRATION
LOCATION: VAC, DAYTON, OHIO

THREE INCHES EQUALS ONE FOOT | ONE AND ONE HALF INCHES EQUALS ONE FOOT | ONE INCH EQUALS ONE FOOT | THREE QUARTER INCH EQUALS ONE FOOT | ONE HALF INCH EQUALS ONE FOOT | THREE EIGHTH INCH EQUALS ONE FOOT | ONE QUARTER INCH EQUALS ONE FOOT | ONE EIGHTH INCH EQUALS ONE FOOT

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