

BIRD

BONDED

PLAINTIFF'S EXHIBIT

BIR-151

BUILT-UP ROOF and FLASHING SPECIFICATIONS



BIRD & SON, INC.

EAST WALPOLE, MASS.

NEW YORK, N. Y. - CHICAGO, ILL. - SHREVEPORT, LA. - CHARLESTON, S. C.

BIRD 014831

Type of Deck	Limitation of Slope	Term of Bond	Make-up of Roof	Surface	Spec. No.	Underwriter's Rating	Section & Page No.
WOOD OR GYPSUM	1" - 3"	20 Yr.	Asphalt Felt and Asphalt	Gravel or Slag	101	A	B-1
	0" - 1"	20 Yr.	Perf. Asphalt Felt & Level Deck Bitumen	Gravel or Slag	701	—	D-1
	0" - 1"	20 Yr.	Tarred Felt and Pitch	Gravel or Slag	601	A	C-1
	1" - 6"	20 Yr.	Base Sheet, Perf. Asbestos Felt and Asphalt	Roof Coating	801	C	E-1
	1" - 3"	15 Yr.	Asphalt Felt and Asphalt	Gravel or Slag	103	A	B-3
	0" - 1"	15 Yr.	Perf. Asphalt Felt & Level Deck Bitumen	Gravel or Slag	703	—	D-3
	0" - 1"	15 Yr.	Tarred Felt and Pitch	Gravel or Slag	603	A	C-3
	1" - 6"	15 Yr.	Base Sheet, Perf. Asbestos Felt and Asphalt	Roof Coating	803	C	E-3
	2" - 9"	15 Yr.	Perf. Asphalt Felt, Min. Surf. Cap Sheet and Asphalt	Mineral Surface	203	C	F-1
	2" - 9"	10 Yr.	Perf. Asphalt Felt, Min. Surf. Cap Sheet and Asphalt	Mineral Surface	205	C	F-3
	½" - 6"	10 Yr.	Perf. Asphalt Felt and Asphalt	Smooth (Asphalt)	51	—	G-1
CONCRETE OR ROOF INSULATION	1" - 2"	20 Yr.	Asphalt Felt and Asphalt	Gravel or Slag	102	A	B-2
	0" - 1"	20 Yr.	Perf. Asphalt Felt & Level Deck Bitumen	Gravel or Slag	702	—	D-2
	0" - 1"	20 Yr.	Tarred Felt and Pitch	Gravel or Slag	602	A	C-2
	1" - 6"	20 Yr.	Perf. Asphalt Felt, Perf. Asbestos Felt and Asphalt	Roof Coating	802	C	E-2
	1" - 2"	15 Yr.	Asphalt Felt and Asphalt	Gravel or Slag	104	A	B-4
	0" - 1"	15 Yr.	Perf. Asphalt Felt & Level Deck Bitumen	Gravel or Slag	704	—	D-4
	0" - 1"	15 Yr.	Tarred Felt and Pitch	Gravel or Slag	604	A	C-4
	1" - 6"	15 Yr.	Perf. Asphalt Felt, Perf. Asbestos Felt and Asphalt	Roof Coating	804	C	E-4
	2" - 9"	15 Yr.	Perf. Asphalt Felt, Min. Surf. Cap Sheet and Asphalt	Mineral Surface	204	C	F-2
	2" - 9"	10 Yr.	Perf. Asphalt Felt, Min. Surf. Cap Sheet and Asphalt	Mineral Surface	206	C	F-4
	½" - 6"	40 Yr.	Perf. Asphalt Felt, and Asphalt	Smooth (Asphalt)	52	—	G-2
FLASHINGS	General Instructions for Applying						H-1—H-9

10516-A-EH

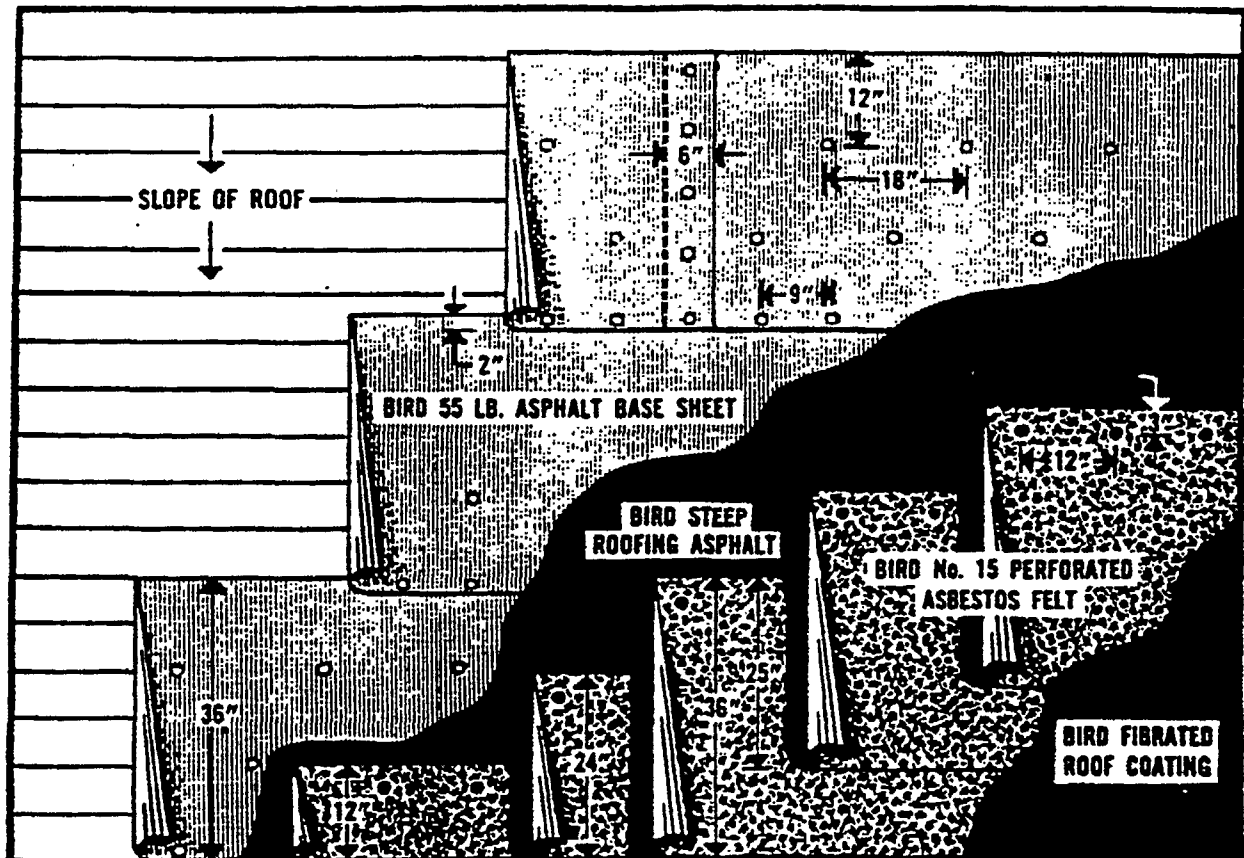
BIRD 014832

TERM OF BOND	SPECIFICATION NUMBER	PAGE NUMBER		ROOF DECK CONSTRUC- TION	LIMITATIONS OF ROOF SLOPE, Inches Per Foot	TYPE OF SURFACE	Underpinning Classification	MAKE-UP OF ROOF	NO. OF MUFFINGS	WEIGHT OF MATERIALS POUNDS PER SQUARE								TOTAL WEIGHT PER SQUARE
										BASE SHEET.	FELT	SHEATHING PAPER	ASPHALT	PRIMER	GRAVEL	SLAG	ROOF COATING	
ASPHALT WITH SMOOTH SURFACE — FOR FLAT DECKS .																		
20	801	E-1		Wood or Gypsum	1-6	Roof Coating	C	1 55 lb. Base Sheet 2 #15 Asbestos Felt	3	55	45		110			20	230	
20	802	E-2		Concrete or Insulation	1-6		C	3 #15 Asphalt Felt 2 #15 Asbestos Felt	5		75		150	10			20	255
15	803	E-3		Wood or Gypsum	1-6		C	1 55 lb. Base Sheet 2 #15 Asbestos Felt	2	55	30		50				20	165
15	804	E-4		Concrete or Insulation	1-6		C	3 #15 Asphalt Felt 2 #15 Asbestos Felt	4		60		120	10			20	210

SPECIFICATION NO. 801 - 20 YEAR BOND

ASBESTOS FELT AND ASPHALT BASE SHEET - SMOOTH SURFACE

Over Wood, Precast Gypsum, Precast Insulating Concrete, Paured Gypsum or
Poured Light Aggregate Insulating Concrete. Slope 1" to 6" in 1' - 0".



BILL OF MATERIALS per 100 square feet roof area.

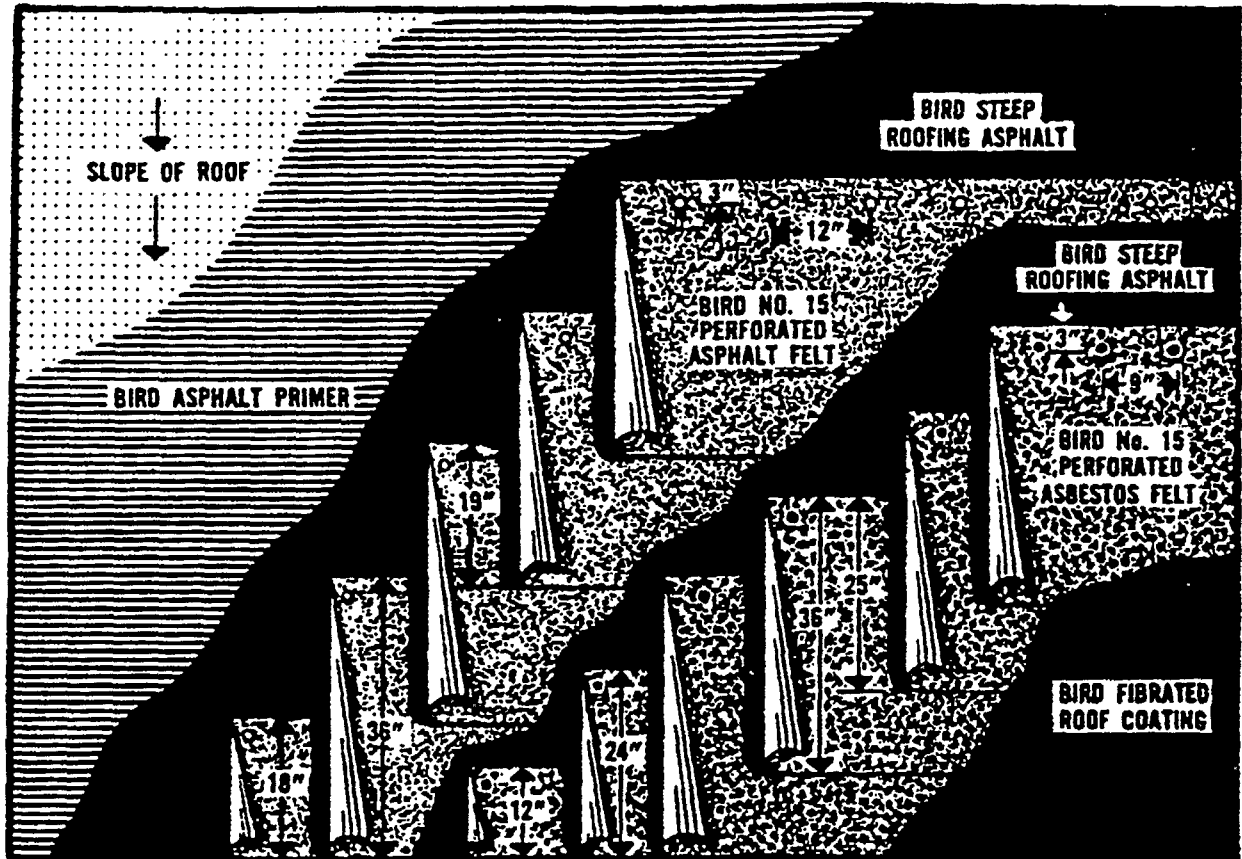
ASPHALT BASE SHEET	— 1 layer 55 lb. Bird Asphalt Base Sheet	55 lbs.
ASBESTOS FELT	— 3 layers of Bird No. 15 Perforated Asbestos Felt	45 lbs.
ASPHALT	— Bird Steep Roofing Asphalt	110 lbs.
NAILS AND DISCS	— 1" barbed nails for wood or 5d cut nails for Gypsum or Insulating Concrete through flat tinned discs.	
SURFACING	— Bird Fibrated Roof Coating	20 lbs.

INSTALLATION — (Turn Page)

SPECIFICATION NO. 802 - 20 YEAR BOND

ASBESTOS FELT AND ASPHALT BASE SHEET - SMOOTH SURFACE

Over Poured Concrete, Precast Concrete or Roof Insulation. Slope 1" to 6" in 1' - 0".



BILL OF MATERIALS per 100 square feet roof area.

* PRIMER	— Bird Asphalt Primer	10 lbs.
ASPHALT FELT	— 2 layers Bird No. 15 Perforated Asphalt Felt	30 lbs.
ASBESTOS FELT	— 3 layers Bird No. 15 Perforated Asbestos Felt	45 lbs.
ASPHALT	— Bird Steep Roofing Asphalt	150 lbs.
NAILS AND DISCS	— 1" barbed nails for wood or 5d cut nails for Nailable Concrete through flat tinned discs.	
SURFACING	— Bird Fibrated Roof Coating	20 lbs.

* When Used Over Roof Insulation, No Primer Is Required.

INSTALLATION — (Turn Page)