Channel - Lok™

BIN FLOORS & SUPPORTS

Installation & Owner's Manual

MAJOR BIN DIAMETERS

15'	18'	21'
24'	27'	30'
33'	36'	42'
48'	54'	60'
72'	75'	78'
90'	105'	

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DATE	REVISIONS	PAGES
11/18/2015	Added note on not using sidedraw and sumps at same time	7
11/18/2015	Updated Z-Post & flooring requirements for bins with recirculating devices	12-13, 15
11/18/2015	Updated instructions for using concrete blocks for supports	25
11/18/2016	Updated instructions for supporting floor over conveyor	30-32
11/18/2016	Added instructions for supporting floor planks at splices	33
11/18/2016	Updated notes on floor plank location tables & installation of supports	37
11/18/2016	Added plank location tables for 15'- 36' dia. bins	39-55
04/11/2016	Updated language throughout on supporting ends of planks	
03/11/2016	Added note on installation of flush floor over aeration tunnel(s)	3
03/11/2016	Updated warranty	4
03/11/2016	Added notice on fan use	7
03/11/2016	Added note limiting use of "Z" Post supports to bins up to 16 rings tall	10
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Manual L1417
11/18/2016

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INTRODUCTION

This product was carefully designed to give years of dependable service and was manufactured with the finest materials available. This manual includes information relating to safety and installation and should be thoroughly read prior to installation of Channel-Lok bin floor and supports. Due to the scope of projects involving material handling equipment and the wide variety of situations, this manual cannot cover all aspects. Qualified civil engineers and contractors should be relied upon for site design, layout and construction. This manual is to be used as a guideline only. The reliability, safety and good service life of this product depends to a very large extent on the care taken in installing and otherwise preparing this product for its intended use.

NOTE: This manual is for bin diameters shown on front cover.

RECEIVING AND INSPECTION

Carefully inspect materials for damage as soon as they are received. Verify that quantities of parts or packages received correspond to quantities shown on packing slip. Report any damage or shortage to delivery carrier as soon as possible. Sukup Manufacturing Co.'s responsibility for damage to materials ended with acceptance by delivery carrier. Refer to bill of lading. Save all paperwork and documentation furnished with floor components.

NOTICE: Prior to installation, protect floor from weather.
Do not allow moisture to become trapped between any galvanized parts.

DISCLAIMER: Grain pressure can cause flooring to cup, especially in deeper grain (taller bins). Cupping does not constitute a floor failure, thus is not covered by Sukup Manufacturing Co. warranty.

NOTE: For instructions on installation of flush floor over aeration tunnel(s), see manual L14045, Flush Floor Aeration Installation & Owner's Manual.

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GRAIN HANDLING & MATERIAL HANDLING LIMITED WARRANTY

SUKUP MANUFACTURING CO. (Sukup) warrants to original retail purchaser that within time limits set forth, new equipment shall be free from defects in material and workmanship. A part will not be considered defective if it substantially fulfills performance specifications. This includes cosmetic (appearance) issues that will not affect life of product. Should any part prove defective within the warranty period, the part will be replaced without charge F.O.B. Sukup Manufacturing Co., Sheffield, Iowa USA or Distribution Centers - Arcola, Illinois; Aurora, Nebraska; Defiance, Ohio; Jonesboro, Arkansas; Cameron, Missouri; Watertown, South Dakota. To obtain warranty, a copy of original invoice is required, see reverse side.

THE FOREGOING LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS OR PURPOSE AND OF ANY OTHER TYPE, WHETHER EXPRESS OR IMPLIED. Sukup neither assumes nor authorizes anyone to assume for it any other obligation or liability in connection with said part, and will not be liable for incidental or consequential damages. THE REMEDIES STATED HEREIN SHALL BE THE EXCLUSIVE REMEDIES AVAILABLE UNDER THIS LIMITED WARRANTY.

Sukup reserves the right to change specifications, add improvements or discontinue manufacture of any of its equipment without notice or obligation to purchasers of its equipment. This warranty gives you specific legal rights. You may also have other rights which vary according to state or province.

WARRANTY EXCLUSIONS - Labor, transportation, or any cost related to a service call is not provided by Sukup. This Limited Warranty does not apply to damage resulting from misuse, neglect, normal wear, accident or improper installation or maintenance. ITEMS NOT MANUFACTURED BY SUKUP (e.g. tires, belts, motors) ARE COVERED UNDER WARRANTIES OF THEIR RESPECTIVE MANUFACTURERS AND ARE EXCLUDED FROM COVERAGE UNDER THE SUKUP WARRANTY. Since the stirring down augers are so critical to the successful operation of the stirring machine, Sukup Manufacturing Co. will not warranty any machines unless they are equipped with Sukup down augers. SUKUP MANUFACTURING CO. MAKES NO WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO DOWN AUGERS LONGER THAN 20', INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY AND WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Upon taking delivery of product, purchaser (dealer and/or end user) assumes responsibility for proper storage of all materials. Proper storage includes dry, temperature and humidity controlled facilities, which eliminate the potential of moisture, including condensation, from causing white rust and/or corrosion of any sort. Warranty does not extend to defects, damage or cosmetic (appearance) issues caused by improper storage or handling.

BASIC WARRANTY - All Sukup manufactured products are warranted for one year from date of purchase. Must be returned to Sukup within 30 days of failure.

EXTENDED STIRRING MACHINE WARRANTY - Sukup warrants stirring machines for two years from date of purchase.

EXTENDED STIRRING AUGER WARRANTY - Sukup warrants stirring down augers for two years from date of purchase. Must return top 18" of down auger to obtain credit.

EXTENDED FAN WARRANTY - Sukup warrants fans for two years from date of purchase.

EXTENDED HEATER CIRCUIT BOARD WARRANTY - Sukup warrants heater circuit boards for three years from date of purchase. Rebuilt circuit boards are warranted for one year from date of purchase.

EXTENDED MATERIAL HANDLING WARRANTY - Sukup warrants Material Handling, excluding structural support systems, for two years from date of purchase.

ELECTRIC MOTOR WARRANTY - The manufacturers of electric motors warranty their motors through authorized service centers for a 2 year period from motor date code. Contact motor manufacturer for nearest location. If motor warranty is refused by a service center based upon date of manufacture, use the following procedure: Have motor repair shop fill out warranty report form as if they were providing warranty service. State on report reason for refusal. Send report, motor nameplate, and proof of purchase date (invoice from Sukup and invoice for your customer) to Sukup. If electric motor warranty is not satisfactorily handled by motor service center, contact Sukup for assistance. Sukup will attempt to obtain warranty from motor manufacturer, any credit obtained will be passed on. Warranty may also be obtained by returning motor to Sukup Manufacturing Co. or Distribution Centers with prior authorization. **NOTE**: Sukup will not be responsible for unauthorized motor replacement or repair. Labor for removal of motor from fan not included.

WARRANTY CERTIFICATION - Warranty registration card should be mailed within one month of product delivery to certify warranty coverage.

UNAPPROVED PARTS OR MODIFICATION - All obligations of Sukup under this warranty are terminated if unapproved parts such as stirring augers longer than 20' are used, or if equipment is modified or altered in any way not approved by Sukup.

SAFETY SECTION

Read manual before installing or using product. Failure to follow instructions and safety precautions in manual can result in death or serious injury. Keep manual in a safe location for future reference.

On safety decals, this symbol and the signal words Danger, Warning, Caution and Notice draw your attention to important instructions regarding safety. They indicate potential hazards and levels of intensity.

DANGER RED - **DANGER** indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

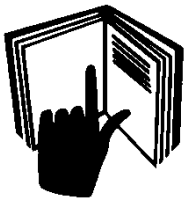
WARNING ORANGE - **WARNING** indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION YELLOW - **CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE BLUE - **NOTICE** alerts you to practices unrelated to personal injury, such as messages related to property damage.

IMPORTANT: To prevent serious injury or death to you or your family, it is essential that safety decals are clearly visible, in good condition, and applied to the appropriate equipment.

FOLLOW MANUAL & SAFETY DECAL MESSAGES



Carefully read this manual and all safety decals on your equipment. Safety decals must be kept in good condition. Replace missing or damaged safety decals by contacting Sukup Manufacturing Co. via mail at PO Box 677, Sheffield, Iowa USA, 50475; by phone at 641-892-4222; or by e-mail at info@sukup.com.

It is the responsibility of the owner/operator to know what specific requirements, precautions, and work hazards exist. It is also the responsibility of the owner/operator to inform anyone operating or working in the area of this equipment of hazards and safety precautions that need to be taken to avoid personal injury or death. Always keep children away from bins and vehicles with flowing grain.

Make no unauthorized modifications to machine. Modifications may endanger function and/or safety of unit. Keep unit in good working condition. Keep shields in place. Replace worn or missing shields free of charge by contacting Sukup Manufacturing Co.

GRAIN BIN SAFETY

Owners/operators are responsible for developing site-specific confined space entry procedures. OSHA's confined space entry procedures (29CFR 1910.146) can be found at www.osha.gov.

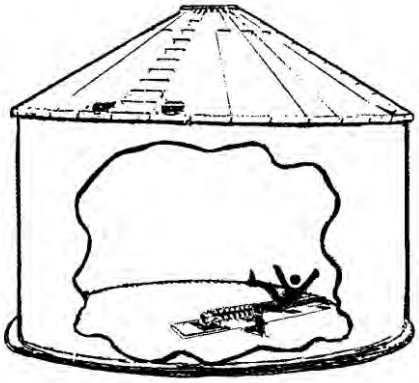
If you must enter bin for repair or maintenance:

- Use a safety harness, safety line and respirator
- Station another person outside of bin
- Avoid the center of the bin
- Wear appropriate personal protective equipment
- Keep clear of all augers and moving parts

DANGER: Never enter bin unless all power is locked out and another person is present.

Rotating augers can kill or dismember!

NEVER enter bin when augers are running!
When bin is nearly empty, sweep auger will travel at an increasingly fast speed. Keep away from sweep and sump augers to avoid entanglement.



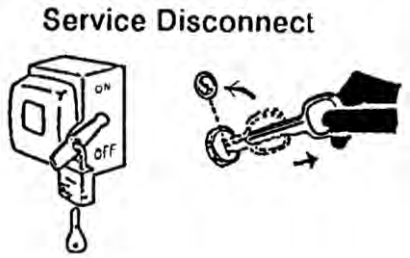
Failure to follow precautions above will result in death or serious injury.

DANGER: Flowing grain may trap and suffocate. If you enter a bin of flowing grain you can be completely submerged in grain in about 8 seconds.

Failure to heed this warning will result in death or serious injury.

To avoid electric shock or electrocution, all equipment must be properly wired and grounded according to electrical codes. Have unit wired by qualified electrician.

Have an electrician install a main power disconnect switch capable of being locked only in OFF position. Mark disconnect clearly as to equipment it operates. Always lock out main power disconnect switch whenever equipment is not in use.



WARNING: When servicing equipment, never enter bin unless all power is locked out and another person is present. Always LOCK OUT all power and always check with voltage meter before servicing.

Failure to do so could result in death or serious injury.

Owners/operators are responsible for developing site-specific Lockout/Tagout procedures based on equipment at their work site. See OSHA's typical minimal lockout procedures (29CFR 1910.147 App A) at www.osha.gov.

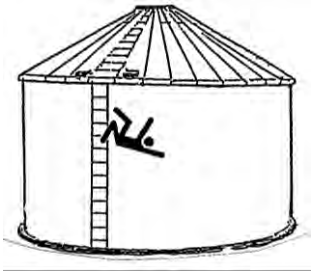
WARNING: KEEP CLEAR OF ALL MOVING PARTS

Keep people (ESPECIALLY YOUTH) away from equipment, particularly during operation.

Keep away from all moving parts. Keep all shields in place. **SHUT OFF AND LOCK OUT** all power before servicing.

Failure to follow precautions above could result in death or serious injury.

WARNING: Metal is slippery when wet. To avoid falls, never carry items if climbing on bin. Maintain secure hand and foothold if climbing on bin. Failure to do so could result in death or serious injury.



CAUTION: Metal edges are sharp. To avoid injury, wear protective clothing and handle equipment and parts with care.

Failure to do so may result in minor or moderate injury.

PERSONAL PROTECTIVE EQUIPMENT

Owners/Operators are responsible for developing site-specific personal protective equipment standards. OSHA's personal protective equipment standards (29CFR 1910.132) can be found at www.osha.gov.

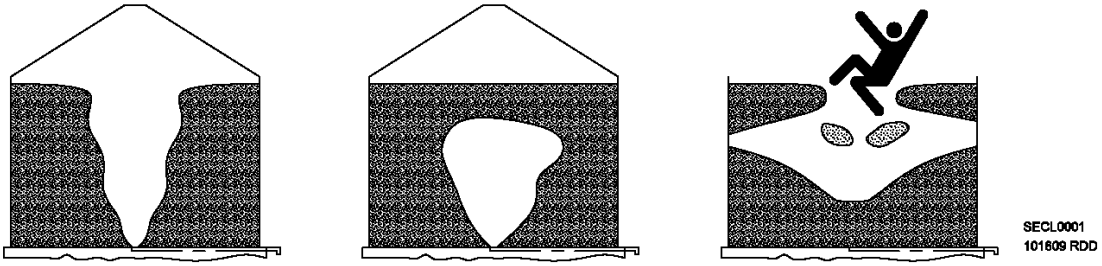
EMERGENCIES – KNOW WHAT TO DO

Have emergency numbers and written directions to work site readily available in case of emergency. An area for emergency phone numbers to be recorded is provided below and at end of this manual.

Ambulance • Fire • Police: 9-1-1
Bin rescue team: _____
Emergency medical squad: _____
Address of work site: _____
Directions to work site:_____

STORED GRAIN, EQUIPMENT HAZARDS

IMPORTANT: A bin floor itself is not a hazard, but grain stored in bin and unload equipment installed in bin can create hazardous situations. Drawings below depict dangers of grain stored in bin, including obstructed flow, bridged grain, and collapse of bridged grain, all of which can engulf a person in bin. Obstructions or bridging should be removed by means other than entering bin.



Obstructed-flow, bridged grain, collapsed bridge of grain in bin

Basic Safety Rules

1. Learn how to use controls and operate equipment.
2. Do not let anyone operate equipment without thorough training of basic operating and safety procedures. Follow a proper lockout procedure.
3. Do not modify or redesign equipment without first obtaining written approval from Sukup Manufacturing Co. Unauthorized modifications to equipment may impair function and/or safety and affect machine life.
4. Periodically check all mechanical and electrical components. Keep equipment in good working condition.
5. Handle equipment and parts with care. Wear protective clothing to avoid injury from sharp metal edges.

General safety procedures must be followed when working near or on grain bins. Engulfment and burial, falling from heights, dust and mold inhalation, pesticide exposure, electrocution, and injury from augers are hazards associated with grain bins. Refer to the Sukup Bin Operation Manual, L13920, for more specific information.

IMPORTANT: Failure to follow general safety precautions may cause serious injury or death.

SAFETY QUESTIONS OR CONCERNS
Please contact Sukup Manufacturing Co. with specific safety needs regarding this equipment or its use.

NOTICE: Do not run fans unless there is a minimum of 44” of grain over entire aeration floor. Starting fans without enough weight on floor may cause supports to be pushed out of position and cause failure of floor.

NOTICE: If bin is equipped with a sidedraw, do not use at same time sumps are being used to unload grain.

FOLLOW A PROPER LOCK-OUT PROCEDURE

This suggested procedure must be performed **EVERY TIME** your equipment is to be worked on. Following these steps will assist in preventing accidents.

- Each worker must have his/her own lock and the only key to that lock.
- Make sure equipment is not operating before turning off power.
- Notify all affected employees that equipment will be locked out for service.
- Authorized employee shall refer to the facility procedure referencing the power source for the equipment.
- Shut down equipment in a normal manner.
- All energy sources that could activate the equipment must be de-activated.
- Each person who will be working on the equipment must put a lock on any energy sources that could provide any power to the equipment.
- Confirm that power has been deactivated by trying to re-start elevator.
- Turn all controls for equipment back to their "off" positions.
- **NO ONE** is to return power to equipment until all work on it has been completed and all locks have been removed.

Facility management needs to proactively train employees to ensure use of proper lockout procedures before working on the equipment. Management also needs to inspect equipment for any covers or guards not in their proper place. It is everyone's responsibility to report any missing grates, guards, equipment failures or failures to lock out. Make certain that no cover is removed unless power is locked out.

NOTE: Refer to OSHA document 1910.147 App A for a typical minimal lockout procedure.

DANGER: Never enter bin unless all power is locked out and another person is present. Entanglement in rotating auger will cause death or serious injury.

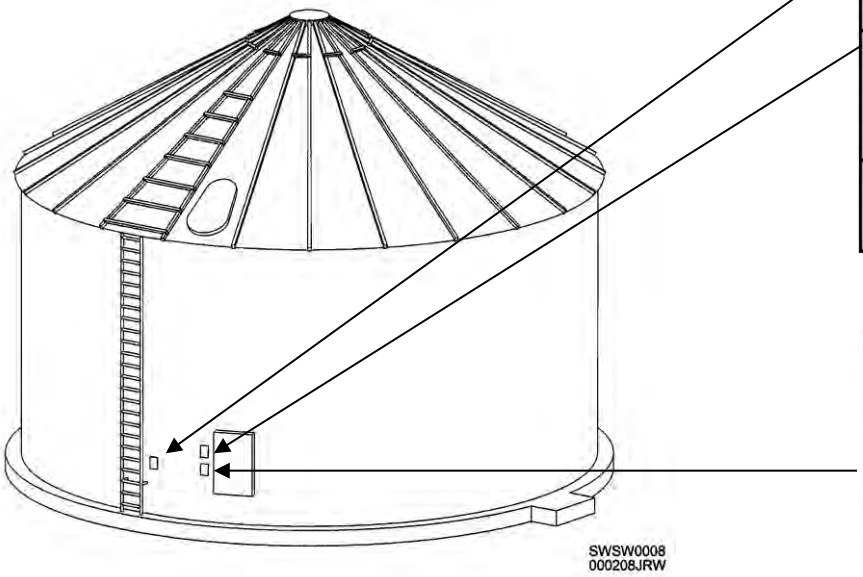
SAFETY DECAL PLACEMENT

Two **"DANGER DO NOT ENTER this bin!"** decals, L0258A-08, are supplied with Sukup bin equipment. Both decals should be placed where people entering bin or storage building will see them.

Install one **"DANGER"** decal on bin sheet next to door, opposite of hinge side.
Install other **"DANGER"** decal next to ladder leading to roof.

One **"WARNING"** decal, L0281-15, is also supplied. It should be placed next to **"DANGER"** decal on bin sheet next to door.

If suggested locations are not in full view, place safety decals in a more suitable location. Be certain not to cover any safety decals that are already there.



L0258A-08

L0281-15

It is essential that these safety decals be mounted on bin to warn and remind of potential hazards. Decals may need to be replaced if damaged or worn. Order replacement safety decals or shields free of charge by contacting Sukup Manufacturing Co. by mail at PO Box 677, Sheffield, Iowa, USA, 50475; by phone at 641-892-4222; or by e-mail at info@sukup.com. Please specify computer number. Use decal placement drawing to determine location of decals.

"Z" POST SUPPORTS INSTALLATION INSTRUCTIONS

NOTE: "Z" Post supports can be used in bins up to 16 rings tall.

Placement with one fan

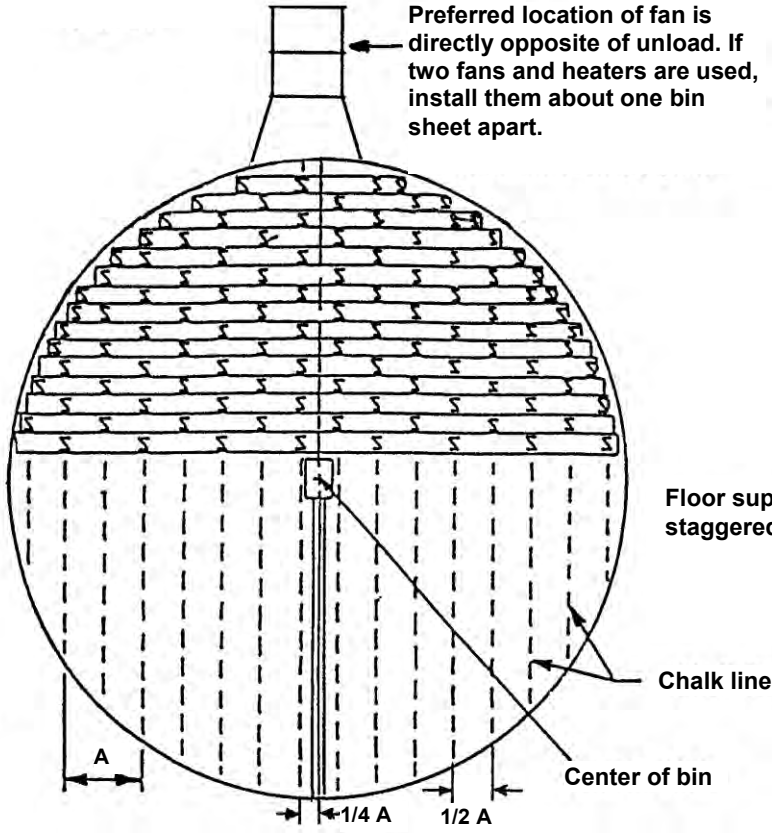


Fig. 1

See pages 12-13 for spacing dimension "A"

NOTICE: Failure to carefully follow installation instructions will void warranty and may cause floor failure.

NOTE: For floor installation instruction using other supports, see the following pages: Super Supports, pages 14-19; SuperWave Supports, pages 20-24; concrete block, pages 25-26.

1. Determine exact bin diameter and eave height. See applicable table (pages 12-13) and floor layout (pages 38-70) to determine quantity of floor supports and spacing "A" required for each plank.
2. Determine exact center of bin. Mark chalk lines at 1/4 of support spacing "A" (See Step 1) to left and right of centerline. Continue marking parallel lines toward bin wall at 1/2 of support spacing. See Fig. 1.

NOTICE: It is essential to mark chalk lines on floor to ensure correct support spacing throughout bin. Even a few incorrectly-spaced supports may cause floor failure.

3. Take first plank (shortest) and turn upside down. Place "Z" floor support into plank. See Fig. 2. Make sure all upper tabs of support are between channels of floor plank. Place supports at spacing "A" determined in Step 1.
4. Place first plank (with supports installed) against bin wall with open channel toward you, ready to receive next plank.

IMPORTANT: Corners of first plank must touch bin wall so flashing will cover gap properly.

5. Position next row of supports. Pick up support so both notched "T" tabs are away from you. See Fig 3. Slide support against open channel so both notched "T" tabs fit over open channel. See Fig. 4.

NOTE: Do **NOT** hook tab of support under tail of floor plank. Place additional supports at support spacing "A" (shown in layout) determined in Step 1. One support should be placed at every other chalk line.

Z SUPPORTS INSTALLATION

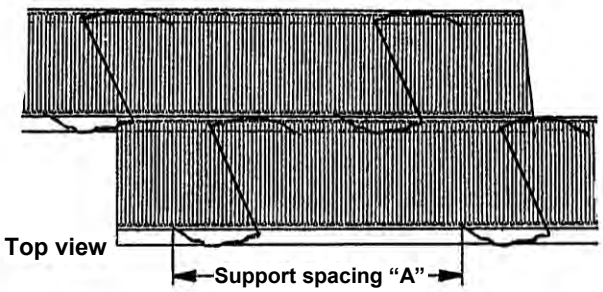


Fig. 2

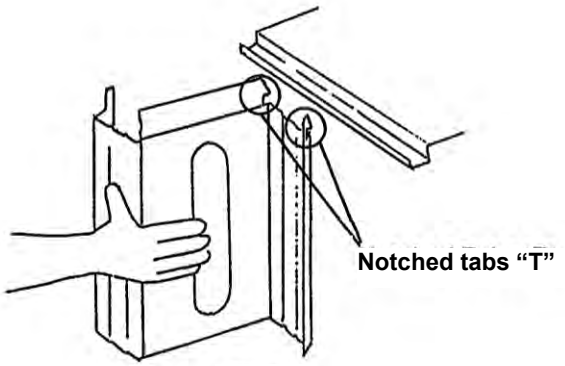


Fig. 3

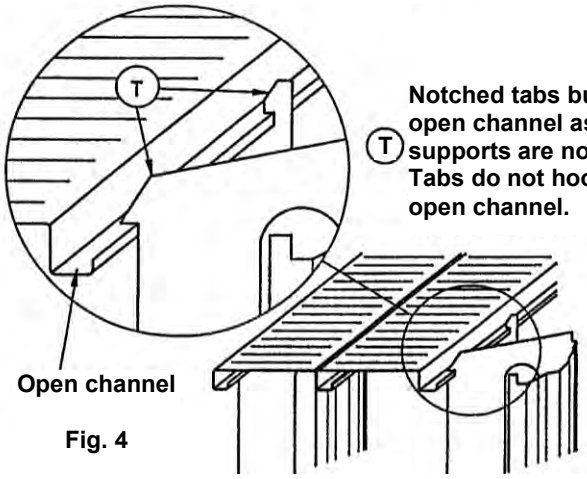


Fig. 4

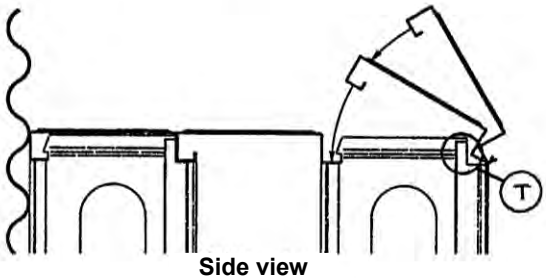


Fig. 5

6. Place an extra support at end of floor plank if there is more than 7" of overhang. Shorter planks used at start and finish usually require an extra support. Each side of support (if possible) should support two floor planks.

7. Lay open channel of next floor plank on top of row of supports as shown in Fig. 5. Ensure plank is centered in bin and there is an equal distance from end of each plank to bin wall. Snap plank down into place. Check that all upper tabs of support are between channels of floor plank and are not exposed.

8. Place next row of supports at designated support spacing "A" so they are offset from previous row by one-half the spacing distance. See Fig. 1 Use chalk lines to ensure correct spacing.

9. Repeat Steps 5-8.

10. After installing first few rows of flooring and supports, install a few pieces of flashing to hold floor in place. Bolt floor flashing to sidewall with bin bolts using pre-punched holes if present in sidewall sheets. Overlap flashing so sweep will "step up" as it goes around bin. See pages 35-36 for flashing installation.

NOTE: On smaller bins, flashing may need to be cut across center of perforated section for better fit.

11. Continue floor installation until all supports and planks are installed.

12. Install remainder of flashing. See pages 35-36.

13. Mount "Never Enter Bin" decal and "Safe Operation" decal near bin openings as described in safety packet A3399 (bundled with floor).

IMPORTANT: Make sure concrete is level and floor supports are placed under each floor plank. Stagger intervals as shown in Fig. 1.

"Z" POST SUPPORTS & SPACING FOR HAWK CUT FLOORS

TOTAL NUMBER OF "Z" SUPPORTS/SPACING*

	20 GA. Z - POST REQUIREMENTS						18 GA. Z - POST REQUIREMENTS							Cont. Flow	
	# OF RINGS - SUKUP BINS (44" RING HEIGHT)						# OF RINGS - SUKUP BINS (44" RING HEIGHT)							Bottom	Recirc-
	3 & 4	5	6	7	8	9	10	11	12	13	14	15	16	Unload	ulator
BIN	EAVE HEIGHT (FEET)						EAVE HEIGHT (FEET)								
DIAMETER	16'	17' - 19'	20' - 22'	23' - 26'	27' - 30'	31' - 33'	34' - 37'	38' - 41'	42' - 44'	45' - 48'	49' - 52'	53' - 56'	57' - 59'	**	***
12'	56-50"	56-50"	56-50"	56-50"	58-44"	58-44"	58-44"	62-43"	64-41"	66-40"	68-38"	70-36"	78-32"	86-32"	112-24"
15'	80-54"	80-54"	86-50"	86-50"	94-44"	94-44"	94-44"	96-43"	101-41"	108-40"	110-38"	114-36"	118-32"	126-32"	159-24"
16' 5" (5M)	98-54"	98-54"	104-50"	104-50"	118-44"	118-44"	118-44"	120-43"	122-41"	124-40"	130-38"	138-36"	150-32"	153-32"	195-24"
18'	114-54"	114-54"	124-50"	124-50"	132-44"	132-44"	132-44"	134-43"	138-41"	138-40"	150-38"	156-36"	176-32"	184-32"	230-24"
18' 7"	118-54"	118-54"	134-50"	134-50"	142-44"	142-44"	142-44"	145-43"	150-41"	156-40"	159-38"	168-36"	183-32"	193-32"	245-24"
19'	122-54"	122-54"	136-50"	142-44"	142-44"	142-44"	142-44"	156-41"	162-39"	168-36"	182-34"	188-32"	208-29"	198-32"	258-24"
19' 8" (6M)	140-54"	140-54"	148-50"	156-44"	156-44"	156-44"	156-44"	166-41"	171-39"	194-36"	200-34"	212-32"	225-29"	215-32"	276-24"
21'	154-54"	154-54"	160-50"	180-44"	180-44"	180-44"	180-44"	187-41"	200-39"	212-36"	216-34"	236-32"	260-29"	238-32"	305-24"
21' 8"	156-54"	156-54"	162-50"	190-44"	190-44"	190-44"	190-44"	200-41"	210-39"	218-36"	234-34"	244-32"	272-29"	252-32"	328-24"
22' 11" (7M)	174-54"	186-50"	186-50"	204-44"	204-44"	204-44"	204-44"	226-41"	232-39"	250-36"	260-34"	280-32"	296-29"	290-32"	368-24"
24'	184-54"	202-50"	202-50"	228-44"	228-44"	228-44"	228-44"	240-41"	246-39"	272-36"	284-34"	298-32"	330-29"	308-32"	394-24"
24' 9"	206-54"	218-50"	218-50"	242-44"	242-44"	242-44"	242-44"	254-41"	270-39"	286-36"	304-34"	316-32"	346-29"	326-32"	422-24"
26' 3" (8M)	244-50"	244-50"	244-50"	270-44"	296-40"	296-40"	296-40"	302-39"	320-37"	326-36"	336-34"	360-32"	396-29"	370-32"	482-24"
27'	260-50"	260-50"	260-50"	282-44"	314-40"	314-40"	314-40"	320-39"	340-37"	344-36"	360-34"	384-32"	420-29"	383-32"	497-24"
27' 10"	280-50"	280-50"	280-50"	310-44"	340-40"	340-40"	340-40"	354-39"	364-37"	370-36"	390-34"	418-32"	450-29"	417-32"	532-24"
29' 6" (9M)	300-50"	300-50"	344-44"	344-44"	374-40"	374-40"	374-40"	378-39"	414-35"	456-32"	484-30"	512-28"	544-26"	466-32"	602-24"
30'	302-50"	302-50"	346-44"	346-44"	376-40"	376-40"	376-40"	390-39"	422-35"	458-32"	496-30"	529-28"	568-26"	468-32"	612-24"
31'	332-50"	332-50"	378-44"	378-44"	400-40"	400-40"	400-40"	418-39"	460-35"	496-32"	528-30"	560-28"	600-26"	506-32"	662-24"
33'	380-50"	380-50"	424-44"	472-40"	472-40"	510-36"	510-36"	522-35"	550-33"	562-32"	598-30"	642-28"	684-26"	559-32"	733-24"
34'	394-50"	394-50"	442-44"	484-40"	484-40"	532-36"	532-36"	556-35"	582-33"	602-32"	638-30"	680-28"	724-26"	612-32"	798-24"
36'	451-50"	451-50"	490-44"	538-40"	538-40"	594-36"	594-36"	612-35"	642-33"	652-32"	706-30"	744-28"	817-26"	662-32"	878-24"
36' 1" (11M)	465-50"	465-50"	512-44"	558-40"	558-40"	616-36"	616-36"	638-35"	666-33"	680-32"	730-30"	776-28"	833-26"	676-32"	893-24"
37' 1"	473-50"	473-50"	524-44"	576-40"	576-40"	632-36"	632-36"	656-35"	692-33"	707-32"	761-30"	804-28"	865-26"	722-32"	938-24"
42' Split	655-50"	714-44"	714-44"	786-40"	858-36"	970-32"	970-32"	970-32"	970-32"	970-32"	1040-29"	1146-26"	1190-25"	---	---
42'8"(13M) Split	680-50"	760-44"	760-44"	830-40"	900-36"	1002-32"	1002-32"	1002-32"	1002-32"	1002-32"	1096-29"	1200-26"	1252-25"	---	---
43' 3" Split	717-50"	793-44"	793-44"	857-40"	940-36"	1039-32"	1039-32"	1039-32"	1039-32"	1039-32"	1141-29"	1257-26"	1307-25"	---	---
48' Split	848-50"	939-44"	939-44"	1123-36"	1123-36"	1251-32"	1251-32"	1288-31"	1358-29"	1413-28"	---	---	---	---	---
49'3"(15M) Split	890-50"	1009-44"	1009-44"	1205-36"	1205-36"	1337-32"	1337-32"	1375-31"	1460-29"	1503-28"	---	---	---	---	---
54' Split	1195-44"	1195-44"	1290-40"	1425-36"	1575-32"	1669-30"	1575-32"	1669-30"	---	---	---	---	---	---	---
55' 8" Split	1253-44"	1253-44"	1370-40"	1502-36"	1668-32"	1765-30"	1668-32"	1765-30"	---	---	---	---	---	---	---
59'1"(18M) Split	1408-44"	1408-44"	1538-40"	1684-36"	1872-32"	1992-30"	1872-32"	1992-30"	---	---	---	---	---	---	---
60' Split	1463-44"	1463-44"	1551-40"	1721-36"	1893-32"	2030-30"	1893-32"	2030-30"	---	---	---	---	---	---	---
61' 10" Split	1550-44"	1550-44"	1686-40"	1863-36"	2073-32"	2195-30"	2073-32"	2195-30"	---	---	---	---	---	---	---
72' Split	2248-40"	2467-36"	2757-32"	3119-28"	3119-28"	3119-28"	3119-28"	3255-27"	---	---	---	---	---	---	---
75' Split	2536-40"	2778-36"	3082-32"	3484-28"	3484-28"	3484-28"	3484-28"	3598-27"	---	---	---	---	---	---	---
78' Split	2991-36"	2991-36"	3321-32"	3747-28"	3747-28"	3747-28"	3747-28"	3880-27"	---	---	---	---	---	---	---

*Example: 56-50" indicates a total of 56 supports at 50" spacing on each plank.

**Continuous-flow Bottom Unload: Use 20 ga. supports. Additional supports are required around center sump. Maximum grain depth is 20'.

*** If bin has a recirculating device, use 18ga floor supports with Hawk Cut flooring. Additional supports are placed around center sump. Maximum grain depth is 20'. Stirring machines are not recirculators; therefore, support spacing is based on eave height.

"Z" POST SUPPORTS & SPACING FOR .094 (STANDARD) & .050 PERFORATED CHANNEL- LOK FLOORS

TOTAL NUMBER OF "Z" SUPPORTS/SPACING*

	20 GA. PERF. FLOORS - .094 (STD) OR .050 available up to 48' Diameter only					
	20 GA. Z - POST REQUIREMENTS					Cont. Flow Bottom Unload **
	# OF RINGS - SUKUP BINS (44" RING HEIGHT)					
	3 & 4	5	6	7	8	
BIN DIAMETER	EAVE HEIGHT (FEET)					
	16'	17' - 19'	20' - 22'	23' - 26'	27' - 30'	
12'	56-50"	56-50"	56-50"	56-50"	58-44"	112-24"
15'	80-54"	80-54"	86-50"	86-50"	94-44"	159-24"
16' 5" (5M)	98-54"	98-54"	104-50"	104-50"	118-44"	195-24"
18'	114-54"	114-54"	124-50"	124-50"	132-44"	230-24"
18' 7"	118-54"	118-54"	134-50"	134-50"	142-44"	245-24"
19'	122-54"	122-54"	136-50"	142-44"	142-44"	258-24"
19' 8" (6M)	140-54"	140-54"	148-50"	156-44"	156-44"	276-24"
21'	154-54"	154-54"	160-50"	180-44"	180-44"	305-24"
21' 8"	156-54"	156-54"	162-50"	190-44"	190-44"	328-24"
22' 11" (7M)	174-54"	186-50"	186-50"	204-44"	204-44"	368-24"
24'	184-54"	202-50"	202-50"	228-44"	228-44"	394-24"
24' 9"	206-54"	218-50"	218-50"	242-44"	242-44"	422-24"
26' 3" (8M)	244-50"	244-50"	244-50"	270-44"	296-40"	482-24"
27'	260-50"	260-50"	260-50"	282-44"	314-40"	497-24"
27' 10"	280-50"	280-50"	280-50"	310-44"	340-40"	532-24"
29' 6" (9M)	300-50"	300-50"	344-44"	344-44"	374-40"	602-24"
30'	302-50"	302-50"	346-44"	346-44"	376-40"	612-24"
31'	332-50"	332-50"	378-44"	378-44"	400-40"	662-24"
33'	380-50"	380-50"	424-44"	472-40"	472-40"	733-24"
34'	394-50"	394-50"	442-44"	484-40"	484-40"	798-24"
36'	451-50"	451-50"	490-44"	538-40"	538-40"	878-24"
36' 1" (11M)	465-50"	465-50"	512-44"	558-40"	558-40"	893-24"
37' 1"	473-50"	473-50"	524-44"	576-40"	576-40"	938-24"
42' Split	655-50"	714-44"	714-44"	786-40"	858-36"	---
42'8"(13M) Split	680-50"	760-44"	760-44"	830-40"	900-36"	---
43' 3" Split	717-50"	793-44"	793-44"	857-40"	940-36"	---
48' Split	848-50"	939-44"	939-44"	1123-36"	1123-36"	---

*Example: 56-50" indicates a total of 56 supports at 50" spacing on each plank.

**Continuous-flow Bottom Unload: Use 20 ga. supports. Additional supports are required around center sump. Maximum grain depth is 20'.

NOTE: If bin has a recirculating device, use 18ga floor supports and Hawk Cut flooring. Stirring machines are not recirculators. Therefore, support spacing is based on eave height.

SUPER SUPPORTS INSTALLATION INSTRUCTIONS

Includes Standard Super Supports and Flat Top Super Supports

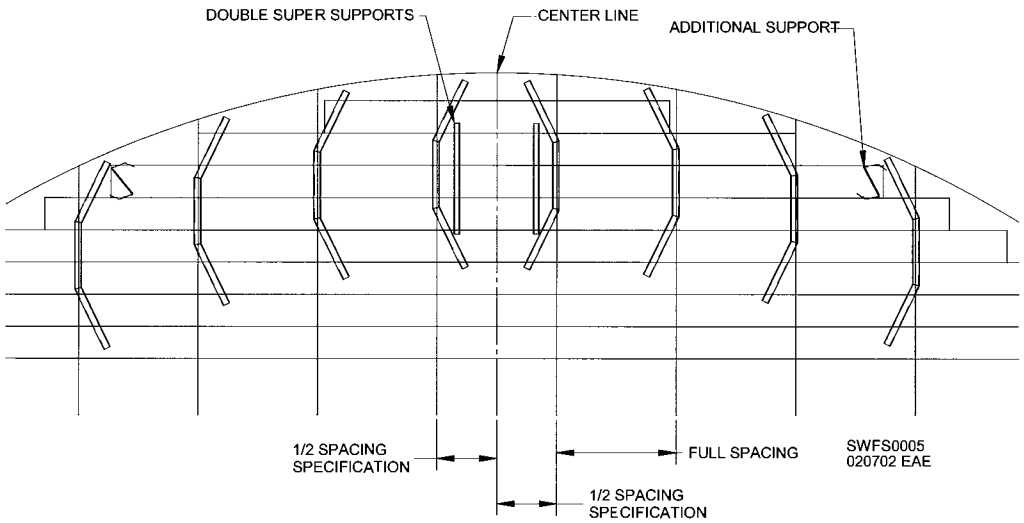


Fig. 6

1. Find exact center of bin and mark it.
2. Determine where unload auger or conveyor will be located. Mark a line through center of bin along path where unload will be installed.
3. Mark lines parallel to centerline at 1/2 the support spacing given for the installation. Mark on both sides of centerline.
4. Mark lines parallel from lines at suggested spacing, continuing across floor to bin wall.
5. Start at far side of bin and place Super Supports on three or four lines on either side of center, on lines marked on floor (not centerline), with supports cupped toward centerline. When needed, place double supports down center of bin as shown.
6. Place first plank in bin. Position supports under plank so plank channel runs through cutouts in supports.
7. Place a Z Support at end of plank if there is more than 7" of overhang in bin up to 16 rings tall; if there is more than 4” of overhang in bin 17-20 rings tall; or more than 2-1/2” in bin 21 or more rings tall. Shorter planks used at start and finish usually require an extra support. Run a self-drilling screw through floor plank into stand to hold Double Super Supports in place.
8. Place next plank in bin, adjusting supports as necessary to ensure plank channels fit into cutout in supports. Add extra supports on ends if necessary. Ensure plank is centered in bin and there is an equal distance from end of each plank to bin wall. Make sure supports are spaced correctly and lie on lines marked on floor.
9. Install planks until first set of supports is almost covered. Place next support for that spacing so floor plank will rest on ends of each support without supports overlapping.
10. Repeat Steps 7 - 9.
11. After installing first few rows of flooring and supports, install a few pieces of flashing to hold floor in place. Bolt floor flashing to sidewalls using pre-punched holes if present in sidewall sheets. Overlap flashing so sweep will "step up" as it goes around bin. See pages 35-36 for flashing installation.
12. Continue installing remainder of flooring and supports.
13. Install remainder of flashing.
14. Mount “Never Enter Bin” decal and “Safe Operation” decal near bin openings as described in safety packet, A3399 (bundled with floor).

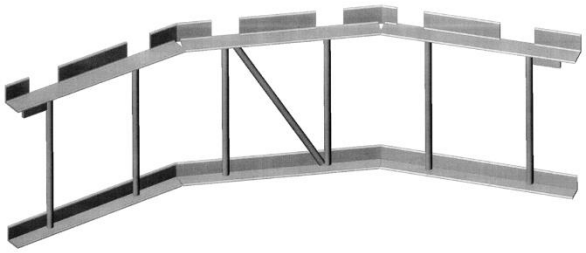


Fig. 7 – Full Super Support

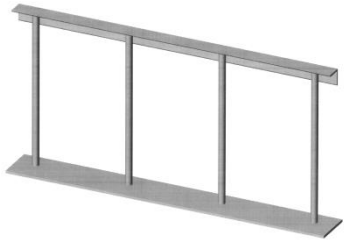


Fig. 8 – Double Super Support

NOTE: Double Super Supports can be cut in half to use as singles.

See Super Supports requirements on page 17:

With recirculation devices, center half of bin is on 11” spacing; outside half is at 22”. Use 20ga Hawk Cut flooring.

NOTE: With Continuous Flow Bottom Unload and Recirculation devices, maximum grain depth is 20’. These specifications are for Hawk Cut floors. Place additional supports around center sump. Stirring machines are not recirculators; therefore, support spacing is based on eave height.

Key:

1	2
3	4

1 = Number of Full Super Supports
2 = Super Support Spacing in inches
3 = Number of Z Supports (z)
4 = Number of Double Super Supports (d)

See Flat Top Super Supports requirements on pages 18-19:

With recirculation devices, center half of bin is on 15” spacing; outside half is at 30”. Use only with Heavy Duty Floors.

NOTE: With Continuous Flow Bottom Unload and Recirculation devices, maximum grain depth is 20’. Stirring machines are not recirculators; therefore, support spacing is based on eave height.

Key:

1	2
	3

1 = Number of Full Super Supports
2 = Super Support Spacing in inches
3 = Number of Double Super Supports (d)

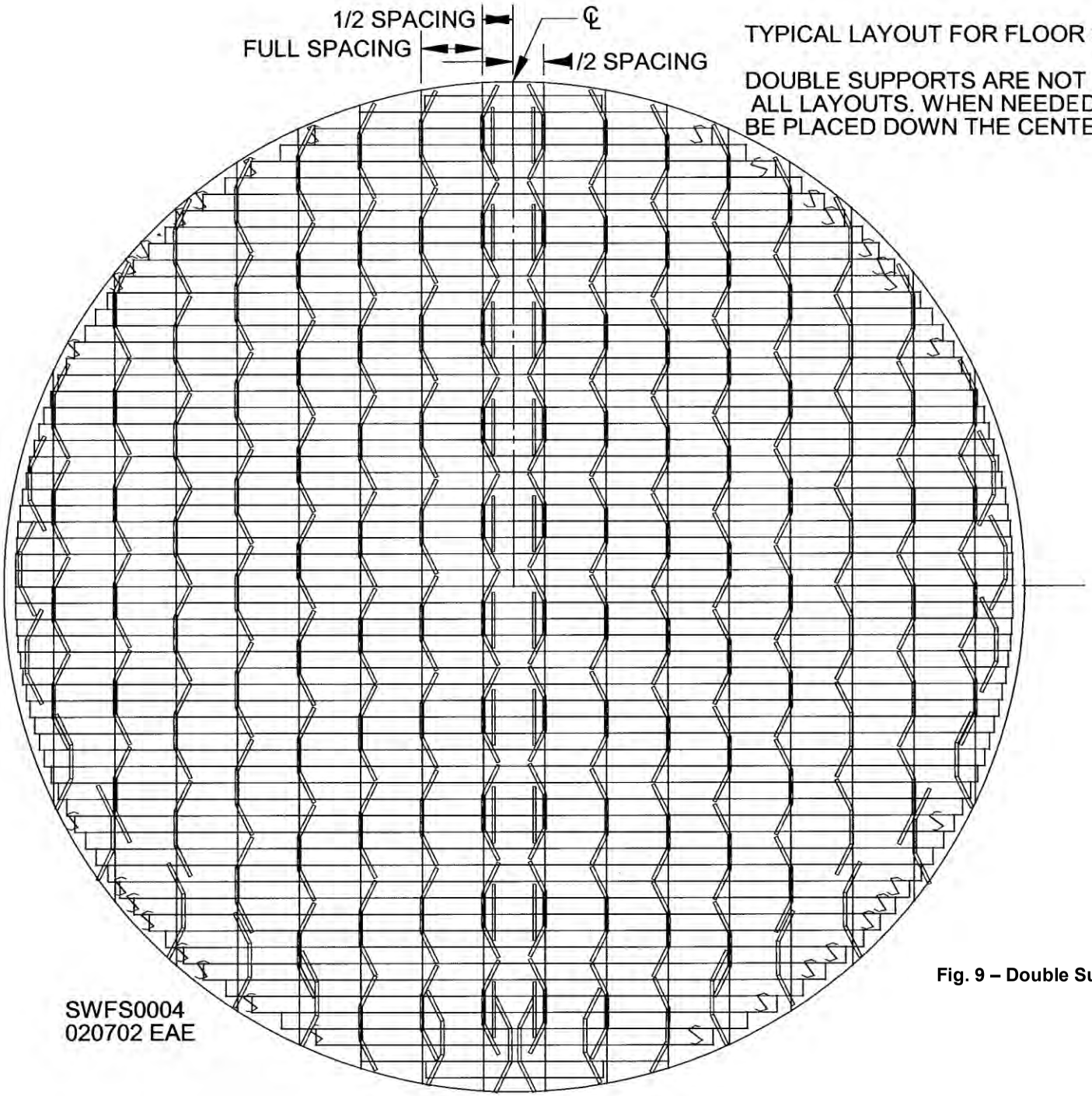


Fig. 9 – Double Super Support placement

SUPER SUPPORT REQUIREMENTS

	HAWK CUT AVAILABLE IN ALL SIZES 20 GA. PERF. AVAILABLE UP TO 48' DIA. ONLY					HAWK CUT ONLY																				
	# OF RINGS - SUKUP BINS (44" RING HEIGHT)					# OF RINGS - SUKUP BINS (44" RING HEIGHT)																		CONTINUOUS FLOW BOTTOM UNLOAD		RECIRCULATOR *	
	3 & 4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19 & 20	21 & 22									
BIN	EAVE HEIGHT (FEET)					EAVE HEIGHT (FEET)																				
DIAMETER	16'	17' - 19'	20' - 22'	23' - 26'	27' - 30'	31' - 33'	34' - 37'	38' - 41'	42' - 44'	45' - 48'	49' - 52'	53' - 56'	57' - 59'	60' - 63'	64' - 66'	67' - 74'	75' - 81'									
12'	16 30" 12z	16 30" 12z	16 30" 12z	18 26" 8z	20 22" 12z	20 22" 12z	26 18" 6z 8d	26 17" 6z 8d	26 16" 12z 8d	34 14" 14z 8d	34 14" 14z 8d	34 14" 14z 8d	34 14" 14z 8d	32 13" 8z 8d	40 12" 2z 8d	40 11" 6z 8d	44 10" 6z 8d	18	26" 8z	4d	24	11/22" 12z	8d				
15'	26 30" 10z	26 30" 10z	26 30" 10z	28 26" 12z	34 22" 6z	34 22" 6z	40 18" 12z	48 17" 10d	48 16" 8z	10d	50 14" 8z	10d	50 14" 8z	10d	50 14" 8z	10d	58 13" 8z	10d	58 12" 8z	10d	70 11" 4z	10d	74 10" 12z	10d	28	26" 12z	4d	44	11/22" 16z	10d
16' 5" (5M)	26 30" 22z	26 30" 22z	26 30" 22z	32 26" 12z	36 22" 14z	36 22" 14z	44 18" 14z	52 17" 10d	58 16" 8z	10d	58 14" 8z	10d	58 14" 8z	10d	58 14" 8z	10d	68 13" 8z	10d	68 12" 16z	10d	74 11" 12z	10d	86 10" 8z	10d	32	26" 12z	4d	48	11/22" 14z	10d
18'	34 30" 14z	34 30" 14z	34 30" 14z	36 26" 16z	44 22" 20z	44 22" 20z	52 18" 10d	58 17" 10z	62 16" 10d	66 14" 10z	66 14" 10d	66 14" 18z	66 14" 10d	66 14" 18z	74 13" 10d	78 12" 10z	86 11" 12z	10d	90 10" 14z	10d	36	26" 16z	4d	56	11/22" 20z	10d				
18' 7"	34 30" 16z	34 30" 16z	34 30" 16z	41 26" 18z	50 22" 18z	50 22" 18z	60 18" 14z	64 17" 12d	66 16" 12z	74 14" 12d	74 14" 4z	12d	74 14" 4z	12d	74 14" 4z	12d	84 13" 8z	12d	90 12" 12z	12d	98 11" 14z	12d	106 10" 12z	12d	44	26" 18z	4d	64	11/22" 18z	12d
19'	34 30" 22z	34 30" 22z	34 30" 22z	44 26" 18z	48 22" 20z	48 22" 20z	62 18" 18z	64 17" 12d	66 16" 18z	76 14" 12d	76 14" 18z	12d	76 14" 18z	12d	84 13" 8z	12d	92 12" 4z	12d	96 11" 14z	12d	104 10" 14z	12d	44	26" 18z	4d	62	11/22" 20z	12d		
19' 8" (6M)	42 30" 14z	42 30" 14z	42 30" 14z	46 26" 20z	54 22" 24z	54 22" 24z	68 18" 8z	68 17" 12d	72 16" 14z	84 14" 12d	84 14" 12z	12d	84 14" 12z	12d	90 13" 16z	96 12" 12d	108 11" 12z	12d	112 10" 12z	12d	46	26" 20z	4d	68	11/22" 24z	12d				
21'	46 30" 18z	46 30" 18z	46 30" 18z	54 26" 20z	58 22" 20z	58 22" 20z	74 18" 12z	76 17" 12d	80 16" 14z	94 14" 12d	94 14" 8z	12d	94 14" 8z	12d	96 13" 12z	108 12" 12d	116 11" 14z	12d	130 10" 14z	12d	54	26" 20z	4d	74	11/22" 20z	12d				
21' 8"	48 30" 18z	48 30" 18z	48 30" 18z	56 26" 12z	64 22" 14z	64 22" 14z	76 18" 16z	82 17" 14d	84 16" 10z	100 14" 18z	100 14" 14d	12z	100 14" 14d	12z	102 13" 22z	114 12" 14d	120 11" 16z	14d	132 10" 10z	14d	56	26" 12z	4d	80	11/22" 16z	14d				
22' 11" (7M)	54 30" 20z	54 30" 20z	54 30" 20z	62 26" 12z	74 22" 14z	74 22" 14z	88 18" 16z	92 17" 14d	100 16" 8z	112 14" 14d	112 14" 12z	14d	112 14" 12z	14d	122 13" 8z	128 12" 14d	142 11" 24z	14d	156 10" 12z	14d	62	26" 12z	4d	92	11/22" 14z	14d				
24'	58 30" 20z	58 30" 20z	58 30" 20z	64 26" 28z	76 22" 22z	76 22" 22z	92 18" 14d	104 16" 24z	104 16" 14d	120 14" 10z	12 14" 14d	120 14" 10z	120 14" 14d	126 13" 28z	136 12" 14d	150 11" 14z	164 10" 14d	64	26" 28z	4d	94	11/22" 22z	14d							
24' 9"	58 30" 26z	58 30" 26z	70 26" 18z	70 26" 18z	78 22" 32z	78 22" 32z	100 18" 20z	106 16" 14d	106 16" 22z	124 14" 14d	124 14" 18z	14d	124 14" 18z	14d	132 13" 22z	144 12" 14d	156 11" 22z	14d	172 10" 16z	14d	70	26" 18z	4d	98	11/22" 32z	14d				
26' 3" (8M)	68 30" 26z	68 30" 26z	78 26" 30z	78 26" 30z	92 22" 20z	92 22" 20z	108 18" 28z	122 16" 16d	122 16" 28z	142 14" 16d	142 14" 28z	16d	142 14" 28z	16d	152 13" 22z	166 12" 16d	180 11" 22z	16d	196 10" 16d	16d	78	26" 30z	4d	116	11/22" 20z	16d				
27'	74 30" 20z	74 30" 20z	84 26" 26z	84 26" 26z	96 22" 26z	96 22" 26z	118 18" 20z	130 16" 16d	130 16" 28z	152 14" 16d	152 14" 10z	16d	152 14" 10z	16d	156 13" 22z	174 12" 16d	188 11" 22z	16d	210 10" 16z	16d	84	26" 26z	4d	120	11/22" 26z	16d				
27' 10"	78 30" 18z	78 30" 18z	88 26" 28z	104 22" 20z	104 22" 20z	104 22" 20z	126 18" 18z	142 16" 22z	142 16" 16d	158 14" 24z	158 14" 24z	16d	158 14" 24z	16d	170 13" 28z	184 12" 16d	204 11" 28z	16d	224 10" 20z	16d	104	22" 20z	4d	130	11/22" 20z	16d				
29' 6" (9M)	84 30" 38z	84 30" 38z	98 26" 30z	112 22" 28z	112 22" 28z	138 18" 26z	138 18" 18d	156 16" 22z	156 16" 18d	180 14" 22z	180 14" 18d	22z	180 14" 18d	22z	192 13" 20z	192 13" 18d	208 12" 20z	18d	226 11" 12z	18d	244 10" 20z	18d	112	22" 28z	4d	146	11/22" 28z	18d			
30'	90 30" 20z	90 30" 20z	102 26" 24z	120 22" 24z	120 22" 24z	146 18" 24z	146 18" 18d	164 16" 24z	174 15" 18d	182 14" 20z	182 14" 18d	20z	182 14" 18d	20z	204 13" 22z	204 13" 18d	216 12" 16z	18d	236 11" 38z	18d	260 10" 22z	18d	120	22" 24z	4d	154	11/22" 24z	18d			
31'	100 30" 22z	100 30" 22z	108 26" 28z	126 22" 20z	126 22" 20z	154 18" 12z	154 18" 18d	174 16" 14z	184 15" 16z	196 14" 18d	196 14" 24z	18d	196 14" 24z	18d	214 13" 32z	214 13" 18d	230 12" 32z	18d	252 11" 24z	18d	276 10" 24z	18d	126	22" 20z	4d	160	11/22" 20z	18d			
33'	104 30" 42z	104 30" 42z	122 26" 28z	140 22" 36z	140 22" 36z	170 18" 28z	170 18" 20d	192 16" 28z	202 15" 20d	224 14" 30z	224 14" 20d	20z	224 14" 20d	20z	234 13" 36z	234 13" 20d	256 12" 24z	20d	280 11" 20z	20d	308 10" 12z	20d	140	22" 36z	4d	176	11/22" 36z	20d			
34'	110 30" 30z	110 30" 30z	124 26" 32z	150 22" 26z	150 22" 26z	186 18" 30z	186 18" 20d	204 16" 38z	214 15" 22z	234 14" 30z	234 14" 20d	30z	234 14" 20d	30z	250 13" 14z	268 12" 20d	296 11" 28z	20d	324 10" 20z	20d	150	22" 26z	4d	186	11/22" 26z	20d				
36'	126 30" 34z	126 30" 34z	148 26" 32z	170 22" 16z	206 18" 24z	206 18" 24z	206 18" 22d	232 16" 42z	250 15" 22d	264 14" 16z	264 14" 22d	16z	264 14" 22d	16z	284 13" 22d	284 13" 16z	310 12" 22d	16z	336 11" 38z	22d	370 10" 20z	22d	170	22" 16z	4d	212	11/22" 16z	22d			
36' 1" (11M)	128 30" 28z	128 30" 28z	148 26" 32z	170 22" 24z	208 18" 22z	208 18" 22z	208 18" 22d	232 16" 38z	258 15" 22d	266 14" 20z	266 14" 22d	22z	266 14" 22d	22z	286 13" 16z	286 13" 22d	312 12" 12z	22d	336 11" 32z	22d	372 10" 32z	22d	---	---	---	---	---	---		
37' 1"	136 30" 34z	136 30" 34z	154 26" 38z	182 22" 26z	218 18" 20z	218 18" 20z	280 14" 22d	280 14" 28z	280 14" 22d	280 14" 28z	280 14" 22d	28z	302 13" 22d	328 12" 28z	328 12" 22d	356 11" 30z	396 10" 22d	16z	438 9" 22d	8z	490 8" 22d		---	---	---	---	---	---		
42' Split	168 30" 156z	192 26" 148z	192 26" 148z	224 22" 126z	278 18" 84z	278 18" 84z	356 14" 24d	356 14" 84z	356 14" 24d	356 14" 84z	356 14" 24d	84z	384 13" 24d	414 12" 52z	414 12" 24d	454 11" 40z	496 10" 24d	40z	552 9" 24d	8z	622 8" 24d		---	---	---	---	---	---		
42' 8" (13M) Split	172 30" 114z	200 26" 102z	200 26" 102z	238 22" 117z	290 18" 86z 24d	290 18" 86z 24d	372 14" 90z 24d	372 14" 90z 24d	372 14" 90z 24d	372 14" 90z 24d	372 14" 90z 24d	24d	398 13" 82z 24d	430 12" 66z 24d	430 12" 66z 24d	474 11" 26z 24d	514 10" 26z 24d	24d	574 9" 20z 24d	20z	640 8" 20z 24d		---	---	---	---	---	---		
43' 3" Split	178 30" 160z	206 26" 168z	206 26" 168z	240 22" 123z	292 18" 97z 26d	292 18" 97z 26d	372 14" 107z 26d	372 14" 107z 26d	372 14" 107z 26d	372 14" 107z 26d	372 14" 107z 26d	26d	398 13" 94z 26d	434 12" 70z 26d	434 12" 70z 26d	468 11" 50z 26d	520 10" 44z 26d	26d	580 9" 26z 26d	8z	646 8" 26z 26d		---	---	---	---	---	---		
48' Split	250 26" 184z	250 26" 184z	250 26" 184z	296 22" 150z	358 18" 126z 28d	358 18" 126z 28d	460 14" 102z 28d	460 14" 102z 28d	460 14" 102z 28d	460 14" 102z 28d	460 14" 102z 28d	28d	494 13" 96z 28d	532 12" 86z 28d	532 12" 86z 28d	576 11" 40z 28d	640 10" 48z 28d	28d	714 9" 40z 28d	8z	800 8" 14z 28d		---	---	---	---	---	---		
49' 3" (15M) Split	264 26" 188z	264 26" 188z	308 22" 158z	308 22" 158z	374 18" 119z 28d	374 18" 119z 28d	484 14" 117z 28d	484 14" 117z 28d	484 14" 117z 28d	484 14" 117z 28d	484 14" 117z 28d	28d	512 13" 112z 28d	562 12" 76z 28d	562 12" 76z 28d	606 11" 50z 28d	670 10" 52z 28d	28d	740 9" 32z 28d	8z	832 8" 28z 28d		---	---	---	---	---	---		
54' Split	322 26" 220z	322 26" 220z	374 22" 160z	448 18" 120z 32d	448 18" 120z 32d	448 18" 120z 32d	582 14" 120z 32d	582 14" 120z 32d	620 13" 112z 32d	674 12" 100z 32d	674 12" 100z 32d	32d	674 12" 100z 32d	674 12" 100z 32d	674 12" 100z 32d	730 11" 44z 32d	810 10" 40z 32d	32d	898 9" 40z 32d	8z	1006 8" 22z 32d		---	---	---	---	---	---		
55' 8" Split	332 26" 216z	332 26" 216z	396 22" 163z	482 18" 118z 32d	482 18" 118z 32d	482 18" 118z 32d	618 14" 110z 32d	618 14" 110z 32d	664 13" 114z 32d	720 12" 75z 32d	720 12" 75z 32d	32d	720 12" 75z 32d	720 12" 75z 32d	720 12" 75z 32d	786 11" 44z 32d	866 10" 44z 32d	32d	954 9" 40z 32d	8z	1074 8" 34z 32d		---	---	---	---	---	---		
59' 1" (18M) Split	378 26" 224z	378 26" 224z	446 22" 180z	542 18" 128z 34d	542 18" 128z 34d	542 18" 128z 34d	694 14" 128z 34d	694 14" 128z 34d	746 13" 128z 34d	812 12" 100z 34d	812 12" 100z 34d	34d	812 12" 100z 34d	812 12" 100z 34d	812 12" 100z 34d	886 11" 48z 34d	970 10" 28z 34d	34d	1084 9" 32z 34d	8z	1216 8" 20z 34d		---	---	---	---	---	---		
60' Split	386 26" 232z	386 26" 232z	452 22" 186z	554 18" 134z 34d	554 18" 134z 34d	554 18" 134z 34d	706 14" 142z 34d	706 14" 142z 34d	758 13" 130z 34d	822 12" 110z 34d	822 12" 110z 34d	34d	822 12" 110z 34d	822 12" 110z 34d	822 12" 110z 34d	898 11" 54z 34d	988 10" 48z 34d	34d	1092 9" 58z 34d	8z	1236 8" 30z 34d		---	---	---	---	---	---		
61' 10" Split	416 26" 244z	416 26" 244z	484 22" 190z	594 18" 150z 36d	594 18" 150z 36d	594 18" 150z 36d	764 14" 136z 36d	816 13" 142z 36d	816 13" 142z 36d	886 12" 86z 36d	886 12" 86z 36d	36d	886 12" 86z 36d	886 12" 86z 36d	886 12" 86z 36d	981 11" 56z 36d	1062 10" 32z 36d	36d	1182 9" 36z 36d	8z	1334 8" 36z 36d		---	---	---	---	---	---		
72' Split	554 26" 268z	654 22" 228z	654 22" 228z	798 18" 140z 42d	798 18" 140z 42d	1028 14" 152z 42d	1028 14" 152z 42d	1118 13" 140z 42d	1118 13" 140z 42d	1192 12" 98z 42d	1310 11" 52z 42d	42d	1434 10" 26z 42d	1434 10" 26z 42d	1434 10" 26z 42d	1434 10" 26z 42d	1434 10" 26z 42d	42d	1602 9" 48z 42d	8z	1796 8" 20z 42d		---	---	---	---	---	---		
75' Split	600 26" 284z	704 22" 234z	704 22" 234z	864 18" 168z 44d	864 18" 168z 44d	1104 14" 160z 44d	1104 14" 160z 44d	1188 13" 156z 44d	1188 13" 156z 44d	1288 12" 124z 44d	1402 11" 60z 44d	44d	1544 10" 62z 44d	1544 10" 62z 44d	1544 10" 62z 44d	1712 9" 48z 44d	1930 8" 34z 44d		---	---	---	---	---	---		
78' Double Split	652 26" 412z	768 22" 327z	768 22" 327z	934 18" 250z 46d	934 18" 250z 46d	1206 14" 230z 46d	1206 14" 230z 46d	1310 13" 212z 46d	1310 13" 212z 46d	1404 12" 154z 46d	1536 11" 50z 46d	46d	1678 10" 58z 46d	1678 10" 58z 46d	1678 10" 58z 46d	1870 9" 56z 46d	2104 8" 32z 46d		---	---	---	---	---	---		

FLAT TOP SUPER SUPPORT REQUIREMENTS FOR HEAVY DUTY, 20 GA. PERF. FLOORS

BIN DIA.	# OF RINGS - SUKUP BINS (44" RING HEIGHT)																				CONT. FLOW BOTTOM UNLOAD	RECIRC-ULATOR *
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
	EAVE HEIGHT (FEET)																					
	13'	14' - 16'	17' - 19'	20' - 22'	23' - 26'	27' - 30'	31' - 33'	34' - 37'	38' - 41'	42' - 44'	45' - 48'	49' - 52'	53' - 56'	57' - 59'	60' - 63'	64' - 66'	67' - 70'	71' - 74'	75' - 78'	79' - 81'		
12'	16 35" 4d	18 31" 4d	20 28" 4d	22 25" 0d	20 24" 6d	20 23" 8d	22 21" 6d	22 21" 6d	24 20" 2d	26 19" 4d	26 19" 4d	26 17" 10d	26 17" 10d	28 16" 12d	30 15" 10d	34 14" 10d	34 13" 6d	34 13" 6d	38 12" 2d	38 12" 2d	20 28" 8d	22 15.80" 4d
15'	26 34" 4d	26 30" 8d	28 27" 6d	32 25" 4d	32 23" 8d	34 22" 8d	34 21" 6d	36 20" 8d	38 19" 12d	38 19" 12d	40 18" 12	44 17" 12d	46 16" 4d	46 15" 8d	50 14" 4d	56 13" 8d	56 13" 8d	56 13" 8d	56 12" 8d	56 12" 8d	28 27" 12d	36 15.80" 8d
16' 5" (5M)	30 33" 4d	32 30" 8d	34 27" 8d	36 25" 12d	38 23" 12d	38 22" 12d	40 21" 16d	42 20" 12d	46 19" 12d	48 18" 8d	48 18" 8d	54 16" 8d	56 15" 12d	56 15" 12d	58 14" 16d	64 13" 12d	64 13" 12d	64 13" 12d	66 12" 6d	66 12" 6d	34 27" 12d	44 15.80" 8d
18'	32 33" 10d	34 30" 6d	36 27" 14d	38 25" 14d	46 23" 14d	44 22" 16d	44 21" 14d	46 20" 10d	50 19" 10d	50 18" 14d	56 17" 12d	60 16" 12d	62 15" 18d	64 14" 18d	64 14" 18d	70 13" 14d	76 12" 10d	76 12" 10d	76 12" 10d	76 12" 10d	38 27" 14d	46 15.80" 6d
18' 7"	36 33" 8d	40 29" 8d	46 27" 8d	46 25" 8d	48 23" 12d	50 22" 16d	52 21" 18d	56 20" 12d	56 19" 16d	60 18" 4d	64 17" 8d	64 16" 4d	72 15" 12d	72 14" 4d	72 14" 4d	82 13" 4d	82 13" 10d	88 12" 10d	88 12" 10d	88 12" 10d	46 27" 12d	50 15.80" 8d
19'	34 33" 8d	40 29" 8d	40 27" 10d	46 25" 10d	48 23" 12d	48 22" 14d	52 21" 10d	56 20" 10d	60 19" 16d	60 18" 16d	62 17" 18d	64 16" 10d	70 15" 10d	74 14" 16d	74 14" 16d	82 13" 4d	90 12" 4d	90 12" 4d	90 12" 4d	96 11" 14d	46 27" 14d	52 15.80" 14d
19' 8" (6M)	38 33" 8d	48 29" 4d	52 27" 4d	52 25" 4d	56 23" 12d	56 22" 16d	58 21" 12d	58 20" 16d	62 19" 16d	66 18" 10d	72 17" 8d	74 16" 8d	76 15" 12d	84 14" 12d	84 14" 12d	88 13" 14d	98 12" 8d	98 12" 8d	98 12" 8d	104 11" 16d	52 27" 12d	60 15.80" 4d
21'	46 32" 12d	52 28" 8d	56 26" 14d	58 25" 12d	64 23" 8d	66 21" 8d	68 21" 8d	68 20" 12d	72 19" 4d	72 18" 14d	76 17" 4d	80 16" 18d	84 15" 16d	92 14" 10d	92 14" 10d	96 13" 8d	108 12" 8d	108 12" 8d	--- ---	--- ---	56 26" 18d	66 15.80" 8d
21' 8"	46 32" 14d	46 28" 20d	56 26" 14d	58 25" 12d	58 23" 12d	64 21" 14d	64 21" 14d	66 20" 18d	70 19" 16d	72 18" 18d	80 17" 12d	82 16" 18d	88 15" 22d	94 14" 18d	100 13" 24d	100 13" 24d	110 12" 14d	110 12" 14d	--- ---	--- ---	56 26" 18d	66 15.80" 12d
22' 11" (7M)	58 32" 8d	62 28" 8d	66 26" 6d	68 25" 4d	74 23" 8d	76 21" 12d	78 20" 12d	78 20" 12d	84 19" 12d	88 18" 14d	92 17" 4d	100 16" 4d	104 15" 28d	116 14" 8d	122 13" 8d	122 13" 8d	128 12" 4d	128 12" 4d	--- ---	--- ---	66 26" 12d	76 15.80" 8d
24'	60 32" 8d	64 28" 16d	64 26" 18d	70 25" 8d	76 23" 8d	76 21" 10d	84 20" 12d	84 20" 12d	88 19" 10d	98 17" 18d	98 17" 18d	108 15" 18d	108 15" 18d	118 14" 6d	126 13" 20d	126 13" 20d	136 12" 10d	136 12" 10d	--- ---	--- ---	64 26" 22d	78 15.80" 8d
24' 9"	58 32" 12d	68 28" 6d	68 26" 14d	76 24" 14d	78 23" 10d	86 21" 8d	88 20" 14d	88 20" 14d	90 19" 18d	102 17" 16d	106 17" 16d	116 15" 12d	122 14" 14d	122 14" 14d	132 13" 20d	132 13" 20d	144 12" 24d	154 11" 18d	--- ---	--- ---	68 26" 18d	82 15.80" 12d
26' 3" (8M)	68 32" 14d	76 28" 12d	76 26" 18d	86 24" 8d	92 23" 6d	94 21" 14d	100 20" 10d	108 19" 8d	108 19" 8d	118 17" 14d	124 16" 14d	132 15" 14d	138 14" 18d	138 14" 18d	152 13" 8d	164 12" 10d	164 12" 10d	180 11" 16d	--- ---	--- ---	76 26" 22d	94 15.80" 10d
27'	68 32" 8d	78 28" 12d	82 26" 18d	90 24" 8d	90 23" 12d	100 21" 8d	104 20" 10d	108 19" 12d	108 19" 12d	120 17" 22d	128 16" 24d	138 15" 14d	150 14" 6d	150 14" 6d	156 13" 14d	170 12" 22d	170 12" 22d	186 11" 12d	--- ---	--- ---	82 26" 22d	100 15.80" 4d
27' 10"	76 32" 12d	88 28" 16d	96 25" 8d	100 24" 12d	104 23" 10d	114 21" 4d	120 20" 0d	126 19" 4d	126 19" 4d	132 17" 12d	142 16" 10d	150 15" 16d	158 14" 28d	158 14" 28d	170 13" 16d	184 12" 16d	184 12" 16d	204 11" 20d	--- ---	--- ---	96 25" 12d	110 15.80" 12d
29' 6" (9M)	82 32" 16d	92 28" 18d	108 25" 16d	108 24" 18d	110 22" 16d	118 21" 16d	126 20" 6d	130 19" 16d	138 18" 18d	144 17" 14d	156 16" 12d	164 15" 12d	180 14" 14d	180 14" 14d	190 13" 16d	206 12" 10d	226 11" 12d	226 11" 12d	--- ---	--- ---	108 25" 20d	122 15.80" 20d
30'	90 32" 4d	106 28" 12d	114 25" 8d	116 24" 16d	124 22" 12d	132 21" 12d	132 20" 8d	142 19" 20d	148 18" 12d	156 17" 16d	164 16" 8d	174 15" 12d	186 14" 20d	186 14" 20d	204 13" 16d	216 12" 16d	236 11" 20d	236 11" 20d	--- ---	--- ---	114 25" 12d	132 15.80" 4d
31'	108 30" 8d	110 27" 12d	124 24" 12d	126 23" 20d	132 22" 4d	138 21" 16d	142 20" 6d	150 19" 16d	154 18" 12d	168 17" 12d	172 16" 10d	182 15" 8d	196 14" 20d	214 13" 20d	228 12" 16d	228 12" 16d	--- ---	--- ---	--- ---	--- ---	124 24" 16d	142 15.80" 8d
33'	108 30" 18d	124 27" 12d	132 24" 14d	138 23" 14d	142 22" 14d	148 21" 8d	152 20" 14d	162 19" 26d	168 18" 18d	192 16" 18d	202 15" 22d	222 14" 14d	222 14" 14d	238 13" 26d	256 12" 16d	256 12" 16d	--- ---	--- ---	--- ---	--- ---	132 24" 18d	144 15.80" 18d
34'	122 29" 16d	128 26" 20d	144 24" 6d	146 23" 6d	154 21" 8d	154 21" 8d	168 20" 6d	170 19" 24d	182 18" 22d	204 16" 14d	214 15" 24d	232 14" 14d	232 14" 14d	248 13" 12d	268 12" 12d	268 12" 12d	--- ---	--- ---	--- ---	--- ---	144 24" 10d	150 15.80" 14d
36'	140 29" 12d	156 26" 8d	170 24" 8d	182 22" 4d	184 21" 10d	198 20" 12d	198 20" 12d	202 19" 10d	222 17" 16d	232 16" 30d	250 15" 24d	268 14" 8d	286 13" 12d	286 13" 12d	310 12" 16d	336 11" 34d	--- ---	--- ---	--- ---	--- ---	170 24" 12d	176 15.80" 12d
36' 1" (11M)	142 29" 12d	156 26" 8d	170 24" 8d	182 22" 8d	190 21" 10d	198 20" 12d	198 20" 12d	198 19" 14d	222 17" 20d	232 16" 22d	258 15" 12d	264 14" 20d	286 13" 12d	286 13" 12d	312 12" 0d	336 11" 30d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
37' 1"	146 29" 20d	164 26" 12d	176 24" 10d	194 22" 8d	194 21" 8d	200 20" 24d	200 20" 24d	210 19" 16d	244 17" 8d	246 16" 12d	266 15" 16d	282 14" 24d	302 13" 16d	302 13" 16d	332 12" 20d	356 11" 24d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
42' Split	192 28" 62d	200 26" 74d	220 24" 78d	232 22" 74d	242 21" 80d	250 20" 82d	266 19" 82d	266 19" 82d	296 17" 82d	314 16" 72d	330 15" 86d	358 14" 82d	388 13" 78d	388 13" 78d	416 12" 8d	454 11" 26d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
42' 8" (13M) Split	196 28" 80d	212 26" 72d	226 24" 64d	248 22" 68d	256 21" 80d	270 20" 76d	276 19" 80d	294 18" 76d	302 17" 80d	326 16" 68d	348 15" 88d	372 14" 88d	402 13" 72d	402 13" 72d	430 12" 78d	470 11" 20d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
43' 3" Split	202 28" 82d	214 26" 78d	226 24" 76d	248 22" 74d	256 21" 90d	270 20" 94d	276 19" 76d	294 18" 74d	302 17" 78d	326 16" 78d	348 15" 82d	372 14" 88d	398 13" 88d	436 12" 86d	436 12" 20d	474 11" 20d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
48' Split	244 28" 78d	262 25" 84d	282 23" 86d	292 22" 94d	326 20" 84d	342 19" 82d	342 19" 82d	356 18" 84d	378 17" 86d	396 16" 88d	426 15" 96d	454 14" 86d	494 13" 100d	530 12" 100d	576 11" 24d	576 11" 24d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
49' 3" (15M) Split	250 28" 96d	278 25" 86d	300 23" 94d	308 22" 98d	338 20" 84d	354 19" 94d	354 19" 94d	374 18" 98d	402 17" 98d	420 16" 96d	444 15" 96d	480 14" 100d	514 13" 98d	562 12" 86d	610 11" 26d	610 11" 26d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
54' Split	310 27" 94d	330 25" 100d	358 23" 96d	388 21" 102d	406 20" 96d	428 19" 104d	448 18" 98d	448 18" 98d	472 17" 108d	534 15" 114d	576 14" 120d	620 13" 98d	620 13" 98d	670 12" 102d	734 11" 18d	734 11" 18d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
55' 8" Split	334 27" 104d	360 25" 104d	386 23" 104d	416 21" 88d	440 20" 100d	458 19" 100d	488 18" 100d	518 17" 104d	518 17" 104d	580 15" 124d	626 14" 100d	664 13" 100d	664 13" 100d	724 12" 16d	790 11" 34d	790 11" 34d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
59' 1" (18M) Split	412 25" 102d	450 23" 94d	480 21" 102d	494 20" 110d	530 19" 98d	558 18" 98d	558 18" 98d	592 17" 106d	622 16" 90d	702 14" 110d	702 14" 110d	754 13" 114d	824 12" 114d	886 11" 44d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
60' Split	418 25" 104d	452 23" 106d	496 21" 108d	496 20" 108d	520 19" 102d	552 18" 110d	588 17" 106d	588 17" 106d	656 15" 120d	698 14" 118d	698 14" 118d	756 13" 120d	826 12" 118d	902 11" 36d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
61' 10" Split	452 25" 108d	486 23" 114d	532 21" 116d	556 20" 100d	586 19" 104d	606 18" 104d	640 17" 116d	640 17" 116d	724 15" 112d	772 14" 120d	828 13" 112d	828 13" 112d	896 12" 12d	976 11" 40d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
72' Split	626 24" 110d	670 22" 122d	706 21" 118d	738 20" 110d	784 19" 122d	816 18" 114d	870 17" 134d	918 16" 122d	972 15" 126d	1044 14" 134d	1122 13" 134d	1200 12" 20d	1200 12" 20d	1318 11" 44d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
75' Split	654 24" 136d	712 22" 142d	746 21" 134d	780 20" 142d	812 19" 142d	868 18" 130d	918 17" 128d	966 16" 144d	1034 15" 136d	1102 14" 142d	1188 13" 146d	1280 12" 142d	1280 12" 142d	1404 11" 38d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
78' Double Split	764 23" 168d	786 22" 160d	874 20" 160d	916 19" 156d	958 18" 176d	958 18" 176d	1020 17" 156d	1080 16" 164d	1150 15" 184d	1216 14" 178d	1318 13" 168d	1420 12" 164d	1540 11" 40d	1540 11" 40d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
90' Double Split	1060 21" 226d	1118 20" 214d	1182 19" 224d	1234 18" 224d	1318 17" 222d	1318 17" 222d	1484 15" 252d	1588 14" 236d	1588 14" 236d	1704 13" 246d	1846 12" 226d	2022 11" 32d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---
105' Double Split	1538 20" 168d	1636 19" 184d	1636 19" 184d	1722 18" 176d	1820 17" 164d	1914 16" 168d	2050 15" 168d	2176 14" 190d	2344 13" 190d	2528 12" 178d	2528 12" 178d	2770 11" 52d	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---	--- ---

FLAT TOP SUPER SUPPORT REQUIREMENTS FOR HEAVY DUTY, 18 GA. PERF. FLOORS

BIN DIA.	# OF RINGS - SUKUP BINS (44" RING HEIGHT)																								CONT. FLOW BOTTOM UNLOAD	RECIRC-ULATOR *
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
	EAVE HEIGHT (FEET)																							
	13'	14' - 16'	17' - 19'	20' - 22'	23' - 26'	27' - 30'	31' - 33'	34' - 37'	38' - 41'	42' - 44'	45' - 48'	49' - 52'	53' - 56'	57' - 59'	60' - 63'	64' - 66'	67' - 70'	71' - 74'	75' - 78'	79' - 81'	82' - 85'	86' - 88'			
12'	14 37" 6d	16 35" 4d	18 32" 4d	18 29" 4d	20 27" 4d	20 26" 4d	20 24" 6d	20 23" 8d	22 21" 6d	24 20" 2d	26 19" 4d	26 17" 10d	26 17" 10d	28 16" 12d	30 15" 10d	34 14" 10d	34 13" 6d	34 13" 6d	38 12" 2d	38 12" 2d	40 11" 6d	40 11" 6d	18 32" 8d	22 15.80* 4d
15'	24 37" 4d	24 35" 4d	28 31" 6d	28 29" 6d	28 27" 6d	30 26" 4d	34 24" 4d	34 22" 8d	36 20" 8d	38 19" 12d	40 18" 12	44 17" 12d	46 16" 4d	46 15" 8d	50 14" 4d	56 13" 8d	56 13" 8d	56 13" 8d	56 12" 8d	56 12" 8d	64 11" 4d	64 11" 4d	28 31" 12d	36 15.80* 8d
16' 5" (5M)	26 37" 8d	30 34" 8d	34 31" 8d	34 28" 8d	34 27" 8d	36 25" 12d	36 24" 8d	38 22" 12d	42 20" 12d	46 19" 12d	48 18" 8d	54 16" 8d	56 15" 12d	56 15" 12d	58 14" 16d	64 13" 12d	64 13" 12d	64 13" 6d	66 12" 6d	66 12" 6d	74 11" 12d	74 11" 12d	34 31" 12d	44 15.80* 8d
18'	30 36" 10d	32 34" 8d	34 31" 6d	36 28" 12d	36 27" 14d	38 25" 14d	46 23" 14d	44 22" 16d	46 20" 10d	50 19" 10d	56 17" 12d	60 16" 12d	62 15" 18d	64 14" 18d	64 14" 18d	70 13" 14d	76 12" 10d	76 12" 10d	76 12" 10d	76 12" 10d	86 11" 14d	86 11" 14d	34 31" 10d	46 15.80* 6d
18' 7"	38 36" 8d	38 34" 8d	38 31" 4d	44 28" 8d	46 26" 6d	46 25" 8d	48 23" 12d	50 22" 16d	56 20" 12d	60 18" 4d	64 17" 8d	64 16" 4d	72 15" 12d	72 14" 4d	72 14" 4d	82 13" 4d	88 12" 10d	88 12" 10d	88 12" 10d	94 11" 18d	94 11" 18d	94 11" 18d	38 31" 12d	50 15.80* 8d
19'	36 36" 8d	36 34" 8d	36 31" 6d	44 28" 6d	46 26" 6d	46 25" 10d	48 23" 12d	48 22" 14d	56 20" 10d	60 18" 16d	62 17" 18d	64 16" 10d	70 15" 10d	74 14" 16d	74 14" 16d	82 13" 4d	90 12" 4d	90 12" 4d	90 12" 4d	96 11" 14d	96 11" 14d	96 11" 14d	38 31" 12d	52 15.80* 14d
19' 8" (6M)	40 36" 8d	40 34" 0d	44 31" 4d	50 28" 4d	52 26" 4d	52 25" 4d	56 23" 12d	58 21" 12d	58 20" 16d	66 18" 10d	72 17" 8d	74 16" 8d	76 15" 12d	84 14" 12d	84 14" 12d	88 13" 14d	98 12" 8d	98 12" 8d	98 12" 8d	104 11" 16d	104 11" 16d	104 11" 16d	44 31" 12d	60 15.80* 4d
21'	42 36" 8d	46 33" 8d	50 30" 8d	52 28" 8d	56 26" 14d	58 25" 12d	64 23" 8d	66 21" 8d	68 20" 12d	72 18" 14d	76 17" 4d	80 16" 18d	84 15" 16d	92 14" 10d	92 14" 10d	96 13" 8d	108 12" 8d	108 12" 8d	116 11" 8d	116 11" 8d	116 11" 8d	128 10" 8d	50 30" 16d	66 15.80* 8d
21' 8"	42 36" 10d	44 33" 10d	46 30" 14d	46 28" 20d	56 26" 14d	58 25" 12d	58 23" 12d	64 21" 14d	70 19" 16d	72 18" 18d	80 17" 12d	82 16" 18d	88 15" 22d	94 14" 18d	100 13" 24d	100 13" 24d	110 12" 14d	110 12" 14d	118 11" 14d	118 11" 14d	132 10" 8d	132 10" 8d	46 30" 18d	66 15.80* 12d
22' 11" (7M)	48 36" 8d	56 33" 10d	58 30" 8d	62 28" 8d	66 26" 6d	68 25" 4d	74 23" 8d	76 21" 12d	84 19" 12d	88 18" 14d	92 17" 4d	100 16" 4d	104 15" 28d	116 14" 8d	122 13" 8d	122 13" 8d	128 12" 4d	128 12" 4d	142 11" 16d	142 11" 16d	154 10" 8d	154 10" 8d	58 30" 12d	76 15.80* 8d
24'	54 36" 12d	56 33" 8d	60 30" 8d	64 28" 16d	64 26" 18d	70 25" 8d	74 22" 10d	76 21" 10d	88 19" 10d	98 17" 18d	98 17" 18d	108 15" 18d	108 15" 18d	118 14" 6d	126 13" 20d	126 13" 20d	136 12" 10d	136 12" 10d	148 11" 22d	164 10" 12d	164 10" 12d	164 10" 12d	60 30" 12d	78 15.80* 8d
24' 9"	54 36" 10d	58 32" 12d	62 30" 12d	68 28" 6d	68 26" 14d	74 25" 10d	82 22" 12d	86 21" 8d	90 19" 18d	102 17" 16d	106 17" 16d	116 15" 12d	122 14" 14d	122 14" 14d	132 13" 20d	132 13" 20d	144 12" 24d	154 11" 18d	154 11" 18d	172 10" 14d	172 10" 14d	172 10" 14d	62 30" 16d	82 15.80* 12d
26' 3" (8M)	64 36" 14d	68 32" 14d	72 29" 16d	76 28" 12d	76 26" 18d	88 25" 8d	94 22" 8d	100 20" 10d	108 19" 8d	118 17" 14d	124 16" 14d	132 15" 14d	138 14" 18d	138 14" 18d	152 13" 8d	164 12" 10d	164 12" 10d	180 11" 16d	180 11" 16d	196 10" 12d	196 10" 12d	196 10" 12d	72 29" 20d	94 15.80* 10d
27'	66 36" 12d	68 32" 8d	78 29" 6d	78 28" 12d	82 26" 18d	88 25" 12d	100 22" 12d	104 20" 10d	108 19" 12d	120 17" 22d	128 16" 24d	138 15" 14d	150 14" 6d	150 14" 6d	156 13" 14d	170 12" 22d	170 12" 22d	186 11" 12d	186 11" 12d	212 10" 2d	212 10" 2d	212 10" 2d	78 29" 20d	100 15.80* 4d
27' 10"	66 36" 12d	76 32" 12d	86 29" 16d	88 28" 16d	94 26" 12d	96 25" 8d	108 22" 4d	120 20" 0d	126 19" 4d	132 17" 12d	142 16" 10d	150 15" 16d	158 14" 28d	158 14" 28d	170 13" 16d	184 12" 16d	184 12" 16d	204 11" 20d	204 11" 20d	222 10" 12d	222 10" 12d	222 10" 12d	86 29" 20d	110 15.80* 12d
29' 6" (9M)	76 36" 6d	82 32" 16d	90 29" 14d	92 28" 18d	100 26" 16d	108 24" 18d	110 22" 16d	126 20" 6d	138 18" 18d	144 17" 14d	156 16" 12d	164 15" 12d	180 14" 14d	180 14" 14d	190 13" 16d	206 12" 10d	226 11" 12d	226 11" 12d	226 11" 12d	244 10" 14d	244 10" 14d	244 10" 14d	90 29" 24d	122 15.80* 20d
30'	86 36" 4d	90 32" 4d	102 29" 8d	106 28" 12d	110 26" 8d	116 24" 16d	124 22" 12d	132 20" 8d	148 18" 12d	156 17" 16d	164 16" 8d	174 15" 12d	186 14" 20d	186 14" 20d	204 13" 16d	216 12" 16d	236 11" 20d	236 11" 20d	236 11" 20d	260 10" 12d	260 10" 12d	260 10" 12d	102 29" 12d	132 15.80* 4d
31'	88 34" 8d	100 31" 4d	106 28" 12d	110 27" 12d	120 25" 8d	124 24" 12d	138 21" 16d	150 19" 16d	154 18" 12d	168 17" 12d	172 16" 10d	182 15" 8d	196 14" 20d	214 13" 20d	228 12" 16d	228 12" 16d	248 11" 28d	248 11" 28d	248 11" 28d	274 10" 16d	274 10" 16d	302 9" 16d	108 28" 16d	142 15.80* 8d
33'	98 34" 18d	106 31" 14d	114 28" 18d	124 27" 12d	130 25" 16d	138 23" 14d	148 21" 8d	162 19" 26d	168 18" 18d	192 16" 18d	202 15" 22d	222 14" 14d	222 14" 14d	238 13" 26d	256 12" 16d	256 12" 16d	280 11" 16d	280 11" 16d	308 10" 8d	308 10" 8d	308 10" 8d	342 9" 14d	114 28" 22d	144 15.80* 18d
34'	104 34" 8d	112 31" 12d	124 28" 14d	128 26" 20d	134 25" 14d	146 23" 6d	154 21" 8d	170 19" 24d	182 18" 22d	204 16" 14d	214 15" 24d	232 14" 14d	232 14" 14d	248 13" 16d	268 12" 12d	268 12" 12d	296 11" 18d	296 11" 18d	324 10" 14d	324 10" 14d	324 10" 14d	360 9" 16d	124 28" 18d	150 15.80* 14d
36'	124 33" 16d	134 30" 12d	142 28" 16d	156 26" 8d	164 25" 4d	176 23" 6d	184 21" 10d	202 19" 10d	222 17" 16d	232 16" 30d	250 15" 24d	268 14" 8d	286 13" 12d	286 13" 12d	310 12" 16d	336 11" 34d	336 11" 34d	336 11" 34d	370 10" 20d	370 10" 20d	410 9" 20d	410 9" 20d	142 28" 16d	176 15.80* 12d
36' 1" (11M)	124 33" 16d	136 30" 12d	142 28" 12d	156 26" 8d	160 25" 4d	174 23" 4d	190 21" 10d	198 19" 14d	222 17" 20d	232 16" 22d	258 15" 12d	264 14" 20d	286 13" 12d	286 13" 12d	312 12" 0d	336 11" 30d	336 11" 30d	336 11" 30d	372 10" 24d	372 10" 24d	410 9" 28d	410 9" 28d	--- ---	--- ---
37' 1"	126 33" 16d	146 30" 12d	150 28" 16d	164 26" 12d	172 25" 8d	182 23" 0d	194 21" 8d	210 19" 16d	244 17" 8d	246 16" 12d	266 15" 16d	282 14" 24d	302 13" 16d	302 13" 16d	332 12" 20d	356 11" 24d	356 11" 24d	356 11" 24d	392 10" 8d	392 10" 8d	442 9" 16d	442 9" 16d	--- ---	--- ---
42' Split	164 33" 66d	178 30" 70d	196 27" 70d	212 25" 62d	220 24" 78d	226 23" 72d	250 20" 82d	266 19" 82d	296 17" 82d	314 16" 72d	330 15" 86d	358 14" 62d	388 13" 78d	388 13" 78d	416 12" 8d	454 11" 26d	454 11" 26d	504 10" 32d	504 10" 32d	504 10" 32d	554 9" 32d	554 9" 32d	--- ---	--- ---
42' 8" (13M) Split	168 33" 76d	184 30" 72d	206 27" 68d	222 25" 72d	226 24" 64d	248 22" 68d	270 20" 76d	276 19" 80d	302 17" 80d	326 16" 68d	348 15" 88d	372 14" 88d	402 13" 72d	402 13" 72d	430 12" 78d	470 11" 20d	470 11" 20d	518 10" 28d	518 10" 28d	518 10" 28d	576 9" 14d	576 9" 14d	--- ---	--- ---
43' 3" Split	170 33" 80d	188 29" 78d	198 27" 78d	216 25" 76d	226 24" 76d	248 22" 74d	270 20" 94d	276 19" 76d	302 17" 78d	326 16" 78d	348 15" 82d	372 14" 88d	398 13" 88d	436 12" 86d	436 12" 86d	474 11" 20d	474 11" 20d	520 10" 18d	520 10" 18d	520 10" 18d	580 9" 22d	580 9" 22d	--- ---	--- ---
48' Split	216 32" 86d	240 29" 88d	260 27" 76d	262 25" 84d	270 24" 84d	292 22" 94d	326 20" 84d	356 18" 84d	378 17" 86d	396 16" 88d	426 15" 96d	454 14" 86d	494 13" 100d	530 12" 100d	576 11" 24d	576 11" 24d	576 11" 24d	642 10" 22d	642 10" 22d	712 9" 32d	712 9" 32d	712 9" 32d	--- ---	--- ---
49' 3" (15M) Split	228 32" 96d	252 29" 4d	260 27" 88d	278 25" 86d	288 24" 86d	308 22" 98d	338 20" 84d	374 18" 98d	402 17" 98d	420 16" 96d	444 15" 96d	480 14" 100d	514 13" 98d	562 12" 86d	610 11" 26d	610 11" 26d	610 11" 26d	668 10" 26d	668 10" 26d	742 9" 26d	742 9" 26d	742 9" 26d	--- ---	--- ---
54' Split	276 31" 106d	306 28" 94d	326 26" 96d	330 25" 100d	358 23" 96d	374 22" 88d	406 20" 96d	448 18" 98d	472 17" 108d	534 15" 114d	576 14" 120d	620 13" 98d	620 13" 98d	670 12" 102d	734 11" 18d	734 11" 18d	806 10" 28d	806 10" 28d	806 10" 28d	898 9" 32d	898 9" 32d	1006 8" 20d	--- ---	--- ---
55' 8" Split	294 31" 96d	330 28" 96d	348 26" 92d	360 25" 104d	386 23" 104d	416 21" 88d	440 20" 100d	488 18" 100d	518 17" 104d	580 15" 124d	626 14" 100d	664 13" 100d	664 13" 100d	724 12" 100d	790 11" 34d	790 11" 34d	870 10" 40d	870 10" 40d	870 10" 40d	962 9" 20d	962 9" 20d	1078 8" 28d	--- ---	--- ---
59' 1" (18M) Split	360 29" 98d	386 27" 102d	412 25" 102d	450 23" 94d	464 22" 102d	494 20" 110d	558 18" 98d	592 17" 106d	622 16" 90d	702 14" 110d	702 14" 110d	754 13" 114d	824 12" 114d	886 11" 44d	886 11" 44d	974 10" 24d	974 10" 24d	1088 9" 24d	1088 9" 24d	1088 9" 24d	1214 8" 18d	1214 8" 18d	--- ---	--- ---
60' Split	368 28" 110d	400 26" 112d	418 25" 104d	452 23" 106d	468 22" 102d	496 20" 108d	552 18" 110d	588 17" 106d	656 15" 120d	698 14" 118d	698 14" 118d	756 13" 120d	826 12" 118d	902 11" 36d	902 11" 36d	988 10" 28d	988 10" 28d	1096 9" 46d	1096 9" 46d	1096 9" 46d	1236 8" 26d	1236 8" 26d	--- ---	--- ---
61' 10" Split	402 28" 112d	436 26" 104d	452 25" 108d	486 23" 114d	504 22" 116d	556 20" 100d	606 18" 104d	640 17" 116d	724 15" 112d	772 14" 120d	828 13" 112d	828 13" 112d	896 12" 112d	976 11" 12d	976 11" 40d	1068 10" 40d	1068 10" 10d	1194 9" 20d	1194 9" 20d	1194 9" 20d	1332 8" 12d	1332 8" 12d	--- ---	--- ---
72' Split	562 27" 128d	604 25" 122d	626 24" 110d	654 23" 118d	706 21" 118d	784 19" 122d	870 17" 134d	918 16" 122d	972 15" 126d	1044 14" 134d	1122 13" 134d	1200 12" 20d	1200 12" 20d	1318 11" 44d	1318 11" 44d	1444 10" 16d	1444 10" 16d	1610 9" 36d	1610 9" 36d	1796 8" 12d	1796 8" 12d	1796 8" 12d	--- ---	--- ---
75' Split	582 27" 136d	630 25" 132d	654 24" 136d	712 22" 142d	780 20" 142d	868 18" 130d	918 17" 128d	966 16" 144d	1034 15" 136d	1102 14" 142d	1188 13" 146d	1280 12" 142d	1280 12" 142d	1404 11" 38d	1544 10" 38d	1544 10" 38d	1544 10" 38d	1714 9" 42d	1714 9" 42d	1930 8" 28d	1930 8" 28d	1930 8" 28d	--- ---	--- ---
78' Double Split	652 27" 165d	704 25" 165d	728 24" 165d	786 22" 160d	874 20" 160d	958 18" 176d	1020 17" 156d	1080 16" 164d	1150 15" 184d	1216 14" 178d	1318 13" 168d	1420 12" 164d	1540 11" 40d	1540 11" 40d	1690 10" 32d	1690 10" 32d	1876 9" 46d	1876 9" 46d	1876 9" 46d	2104 8" 28d	2104 8" 28d	2104 8" 28d	--- ---	--- ---
90' Double Split	894 25" 242d	984 23" 224d	1016 22" 227d	1118 20" 214d	1234 18" 224d	1318 17" 222d	1484 15" 252d	1588 14" 236d	1588 14" 236d	1704 13" 246d	1846 12" 226d	2022 11" 32d	2022 11" 32d	2216 10" 52d	2216 10" 52d	2466 9" 32d	2466 9" 32d	2466 9" 32d	2764 8" 32d	2764 8" 32d	2764 8" 32d	3162 7" 38d	--- ---	--- ---
105' Double Split	1298 24" 184d	1406 22" 166d	1538 20" 168d	1722 18" 176d	1820 17" 164d	1914 16" 168d	2050 15" 168d	2176 14" 190d	2344 13" 190d	2528 12" 178d	2528 12" 178d	2770 11" 52d	3034 10" 40d	3034 10" 40d	3380 9" 50d	3380 9" 50d	3380 9" 50d	3786 8" 34d	3786 8" 34d	3786 8" 34d	3786 8" 34d	4342 7" 48d	--- ---	--- ---

SUPERWAVE SUPPORTS INSTALLATION INSTRUCTIONS

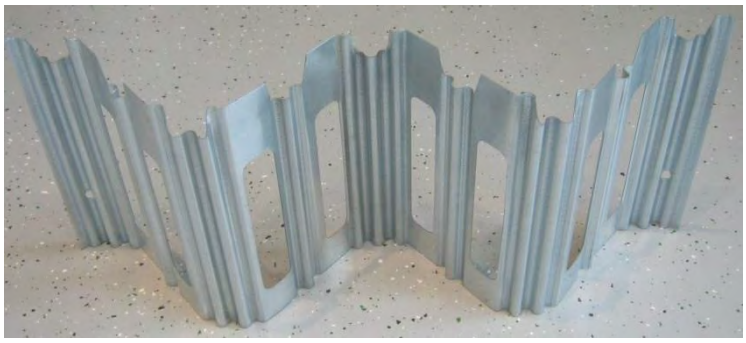


Image 1 – SuperWave Support

NOTE: Start floor installation on opposite side of bin from where unload auger or conveyor exits bin.

1. Find exact center of bin and mark it.
2. Determine where unload auger or conveyor will be located. Mark a line through center of bin along path where unload will be installed.
3. Mark lines parallel to centerline at 1/2 the support spacing given for the installation. See applicable table on following pages.
4. Draw lines parallel to lines at suggested spacing, continuing across floor to bin wall.
5. Start at far side of bin and place SuperWave Supports on three or four lines on each side of center, on lines marked on floor (not centerline). Position supports along lines as shown in Image 2, with tabs up. Middle two supports should be positioned up against bin wall or as close to it as possible to allow for perpendicular installation of flooring.

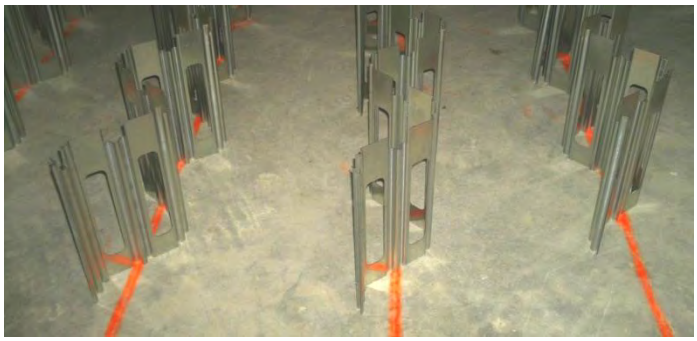
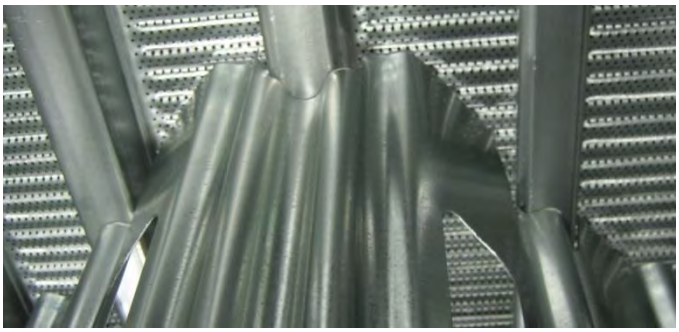


Image 2 – Positioning SuperWave Supports

Image 3 – Marking bin wall, installing first plank

6. Mark center of shortest floor plank. Position plank as shown in Image 3 so middle of plank lines up with mark on bin wall.
7. Holding plank upright, lower plank's lip into cutout of SuperWave Support as shown in Image 4. Ensure lip is between second and third tab of all SuperWave Supports, then lower plank into place until seated firmly. If using heavy-duty perforated flooring (See Image 5), every void between tabs in SuperWave Supports will be filled.
8. Place a Z Post Support or other support under end of plank if there is more than 7" of overhang in bin up to 16 rings tall; more than 4" of overhang in bin 17-20 rings tall; or more than 2-1/2" in bin 21 or more rings tall. Shorter planks used at start and finish usually require an extra support.
9. Place next plank in bin, adjusting supports as necessary to ensure plank channels fit into cutout in supports. Tamp plank into place. Ensure plank is centered in bin and there is an equal distance from end of each plank to bin wall. Make sure supports are on lines marked on floor.

10. Install planks until first set of supports is almost covered. Place next SuperWave Support.



Images 4 and 5 – Positioning Heavy-Duty Perforated floor plank in SuperWave Supports

11. After installing first few rows of flooring and supports, install a few pieces of flashing to hold floor in place. Bolt floor flashing to sidewalls using pre-punched holes if present in sidewall sheets. Overlap flashing pieces so sweep will "step up" as it goes around bin. See pages 35-36 for flashing installation.

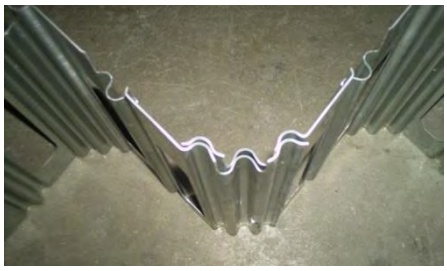


Image 6 – Nesting for Hawk Cut

Image 7 – Slight gap OK for HD Perf.

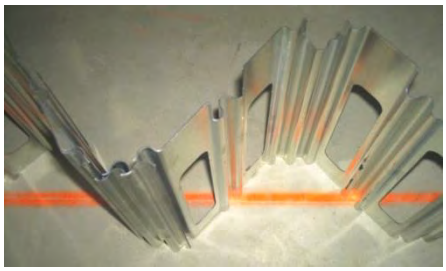


Image 8 – Ensuring alignment

12. Repeat process, adding SuperWave Supports as installation of flooring continues toward middle of bin. ***NOTICE:*** Ensure that supports stay centered on floor lines. **When installing under Hawk Cut flooring, ensure that SuperWave Supports are nested end-to-end as shown in Image 6. When installing under Heavy-Duty Perforated floors there can be end-to-end gaps between SuperWave supports as shown in Image 7, but each rib of floor plank must be supported.** Small side-to-side gaps between supports will not significantly diminish support as long as supports stay on line. Edge of subsequent support can be on either side of preceding support, but it is best to be consistent. If installing long planks – 30 feet or longer – have three people putting each plank into place, one near each end and one in middle. If planks are 40 feet long, a fourth crew member will be helpful in plank installation.

NOTES: Use Double Super Supports instead of SuperWave Supports directly in front of aeration fan inlet to allow better airflow. When approaching sump and where there is not enough space to use a SuperWave Support, use Z Post Supports as shown on page 10 or use Double Super Supports.

13. Install sump as directed in appropriate unload manual. Position Super Supports (as opposed to SuperWave Supports) around sump and on side of unload between control rod and unload system. Use SuperWave Supports on other side of unload system and on rest of floor away from sump and unload system.

14. Continue installing remainder of flooring and supports.

15. Install remainder of flashing.

16. Mount "Never Enter Bin" decal and "Safe Operation" decal near bin openings as described in safety packet, A3399 (bundled with floor).

IMPORTANT: Ensure supports do not block center sump gate from opening.

SUPERWAVE™ SUPPORT REQUIREMENTS FOR HAWK CUT FLOORS

	HAWK CUT AVAILABLE IN ALL SIZES 20 GA. PERF. AVAILABLE UP TO 48' DIA ONLY					HAWK CUT ONLY																		
	# OF RINGS - SUKUP BINS (44" RING HEIGHT)					# OF RINGS - SUKUP BINS (44" RING HEIGHT)																		
	3 & 4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
BIN	EAVE HEIGHT (FEET)					EAVE HEIGHT (FEET)																		
DIA.	16'	17' 19'	20' - 22'	23' - 26'	27' - 30'	31' - 33'	34' - 37'	38' - 41'	42' - 44'	45' - 48'	49' - 52'	53' - 56'	57' - 59'	60' - 63'	64' - 66'	67' – 70'	71' – 74'	75' - 77'	78' - 81'	82'-85'	86'-88'			
15'	36 30"	36 30"	36 30"	40 26"	42 22"	42 22"	46 21"	46 20"	46 19"	60 16"	60 15"	60 15"	66 14"	66 14"	72 13"	72 13"	72 13"	78 12"	78 12"	78 12"	78 12"			
	12z	12z	12z	26z	32z	32z	12z	16z	16z	20z 10d	22z 10d	22z 10d	24z 10d	24z 10d	28z 10d	28z 10d	28z 10d	24z 10d	24z 10d	24z 10d	24z 10d			
18'	44 30"	44 30"	44 30"	52 26"	68 22"	68 22"	64 20"	78 19"	78 18"	88 16"	86 15"	86 15"	92 14"	92 14"	100 13"	100 13"	100 13"	112 12"	112 12"	112 12"	112 12"			
	34z	34z	34z	34z	38z	38z	20z	16z	16z 10d	32z 10d	34z 10d	34z 10d	36z 10d	36z 10d	32z 10d	32z 10d	32z 10d	24z 10d	24z 10d	24z 10d	24z 10d			
21'	64 30"	64 30"	64 30"	68 26"	80 22"	80 22"	92 20"	108 18"	108 17"	116 16"	116 15"	116 15"	130 14"	130 14"	138 13"	138 13"	138 13"	152 12"	152 12"	152 12"	152 12"			
	30z	30z	30z	50z	40z	40z	20z	20z 12d	20z 12d	20z 12d	20z 12d	20z 12d	30z 12d	30z 12d	34z 12d	34z 12d	34z 12d	40z 12d	40z 12d	40z 12d	40z 12d			
24'	74 30"	74 30"	74 30"	88 26"	104 22"	104 22"	120 20"	134 18"	134 17"	148 16"	164 15"	164 14"	164 14"	164 14"	180 13"	180 13"	180 13"	194 12"	194 12"	194 12"	194 12"			
	52z	52z	52z	50z	48z	48z	20z	20z 14d	20z 14d	24z 14d	36z 14d	34z 14d	34z 14d	34z 14d	40z 14d	40z 14d	40z 14d	42z 14d	42z 14d	42z 14d	42z 14d			
27'	100 30"	100 30"	116 26"	116 26"	136 22"	136 22"	152 19"	174 18"	174 17"	198 15"	198 15"	214 14"	214 14"	214 14"	232 13"	232 13"	232 13"	256 12"	256 12"	256 12"	280 11"			
	44z	44z	32z	32z	44z	44z	12z	20z 16d	20z 16d	32z 16d	32z 16d	46z 16d	46z 16d	46z 16d	58z 16d	58z 16d	58z 16d	24z 16d	24z 16d	24z 16d	34z 16d			
30'	122 30"	122 30"	136 26"	160 22"	160 22"	218 18"	218 18"	232 17"	232 16"	242 15"	242 15"	256 14"	256 14"	256 14"	282 13"	282 13"	282 13"	304 12"	304 12"	304 12"	338 11"			
	48z	48z	70z	66z	66z	20z 18d	20z 18d	20z 18d	20z 18d	44z 18d	44z 18d	60z 18d	60z 18d	60z 18d	52z 18d	52z 18d	52z 18d	56z 18d	56z 18d	56z 18d	42z 18d			
33'	146 30"	146 30"	166 26"	200 22"	200 22"	258 18"	258 18"	282 17"	282 16"	286 15"	286 15"	320 14"	320 14"	346 13"	346 13"	346 13"	382 12"	382 12"	382 12"	382 12"	414 11"			
	56z	56z	60z	68z	68z	20z 20d	20z 20d	20z 20d	20z 20d	50z 20d	50z 20d	52z 20d	52z 20d	54z 20d	54z 20d	54z 20d	44z 20d	44z 20d	44z 20d	44z 20d	56z 20d			
36'	166 30"	166 30"	196 26"	232 22"	272 19"	298 18"	298 18"	336 17"	336 16"	336 15"	336 15"	378 14"	378 14"	406 13"	406 13"	406 13"	440 12"	440 12"	440 12"	440 12"	486 11"			
	68z	68z	74z	84z	60z	24z 22d	24z 22d	24z 22d	24z 22d	66z 22d	66z 22d	66z 22d	66z 22d	62z 22d	62z 22d	62z 22d	68z 22d	68z 22d	68z 22d	68z 22d	64z 22d			
42' Split	236 30"	268 26"	268 26"	318 22"	368 19"	394 18"	478 17"	498 16"	498 16"	508 15"	508 15"	510 14"	510 14"	558 13"	558 13"	558 13"	606 12"	606 12"	606 12"	606 12"	666 11"			
	132z	152z	152z	130z	72z	128z 24d	28z 24d	32z 24d	32z 24d	106z 24d	106z 24d	130z 24d	130z 24d	110z 24d	110z 24d	110z 24d	110z 24d	110z 24d	110z 24d	110z 24d	118z 24d			
48' Split	350 26"	350 26"	350 26"	424 22"	522 18"	522 18"	600 17"	632 16"	632 16"	650 15"	680 14"	680 14"	680 14"	738 13"	738 13"	738 13"	806 12"	806 12"	806 12"	885 11"	885 11"			
	152z	152z	152z	152z	138z 28d	138z 28d	28z 28d	40z 28d	40z 28d	86z 28d	132z 28d	132z 28d	132z 28d	116z 28d	116z 28d	116z 28d	140z 28d	140z 28d	140z 28d	122z 28d	122z 28d			
54' Split	**450 26"**	**450 26"**	**532 22"**	**622 19"**	**660 18"**	660 18"	782 16"	782 16"	806 15"	806 15"	850 14"	850 14"	922 13"	922 13"	922 13"	1018 12"	1018 12"	1018 12"	1018 12"	1120 11"	1120 11"			
	164z	**164z**	**194z**	**94z**	**162z 32d**	162z 32d	28z 32d	28z 32d	22z 32d	22z 32d	78z 32d	78z 32d	82z 32d	82z 32d	82z 32d	164z 32d	164z 32d	164z 32d	164z 32d	156z 32d	156z 32d			
60' Split	**560 26"**	**560 26"**	**660 22"**	**768 19"**	**818 18"**	818 18"	942 16"	942 16"	1018 15"	1018 15"	1072 14"	1072 14"	1158 13"	1158 13"	1158 13"	1260 12"	1260 12"	1260 12"	1260 12"	1388 11"	1388 11"			
	200z	**200z**	**208z**	**102z**	**174z 34d**	174z 34d	32z 34d	32z 34d	32z 34d	32z 34d	100z 34d	100z 34d	112z 34d	112z 34d	112z 34d	154z 34d	154z 34d	154z 34d	154z 34d	162z 34d	162z 34d			
72' Split	**818 26"**	**976 22"**	**976 22"**	**1202 18"**	**1202 18"**	1244 17"	1346 16"	1448 15"	1448 15"	1570 14"	1570 14"	1570 14"	1702 13"	1702 13"	1854 12"	1854 12"	1854 12"	1854 12"	2040 11"	2040 11"	2040 11"			
	240z	**212z**	**212z**	**220z 42d**	**220z 42d**	210z 42d	192z 42d	144z 42d	144z 42d	182z 42d	182z 42d	182z 42d	174z 42d	174z 42d	150z 42d	150z 42d	150z 42d	150z 42d	184z 42d	184z 42d	184z 42d			
75' Split	**880 26"**	**1046 22"**	**1046 22"**	**1290 18"**	**1290 18"**	1440 16"	1440 16"	1534 15"	1534 15"	1688 14"	1688 14"	1826 13"	1826 13"	1826 13"	1998 12"	1998 12"	1998 12"	1998 12"	2194 11"	2194 11"	2194 11"			
	232z	**240z**	**240z**	**208z 44d**	**208z 44d**	176z 44d	176z 44d	150z 44d	150z 44d	220z 44d	220z 44d	200z 44d	200z 44d	200z 44d	164z 44d	164z 44d	164z 44d	164z 44d	156z 44d	156z 44d	156z 44d			
78' Double Split	**960 26"**	**1142 22"**	**1142 22"**	**1410 18"**	**1410 18"**	1552 16"	1552 16"	1654 15"	1654 15"	1842 14"	1842 14"	1996 13"	1996 13"	1996 13"	2176 12"	2176 12"	2176 12"	2176 12"	2398 11"	2398 11"	2398 11"			
	318z	**310z**	**310z**	**270z 46d**	**270z 46d**	220z 46d	220z 46d	168z 46d	168z 46d	270z 46d	270z 46d	238z 46d	238z 46d	238z 46d	248z 46d	248z 46d	248z 46d	248z 46d	226z 46d	226z 46d	226z 46d			
90' Double Split	**1650 20"**	**1690 19"**	**1820 18"**	**1942 17"**	**1942 17"**	2060 16"	2176 15"	2176 15"	2280 14"	2280 14"	2280 14"	2464 13"	2464 13"	2464 13"	2728 12"	2958 11"	2958 11"	2958 11"	3256 10"	3256 10"	3610 9"			
	400z	**400z**	**400z 52d**	**400z 52d**	**400z 52d**	350z 52d	350z 52d	326z 52d	326z 52d	326z 52d	326z 52d	306z 52d	306z 52d	306z 52d	306z 52d	326z 52d	326z 52d	326z 52d	326z 52d	326z 52d	326z 52d			
105' Dbl. Split	**2326 19"**	**2464 18"**	**2464 18"**	**2596 17"**	**2740 16"**	2740 16"	2956 15"	2956 15"	3166 14"	3166 14"	3362 13"	3362 13"	3362 13"	3648 12"	3648 12"	4004 11"	4004 11"	4422 10"	4422 10"	4902 9"	4902 9"			
	450z	**450z 60d**	**450z 60d**	**450z 60d**	**450z 60d**	450z 60d	426z 60d	426z 60d	426z 60d	426z 60d	426z 60d	426z 60d	426z 60d	426z 60d	426z 60d	450z 60d	450z 60d	450z 60d	450z 60d	450z 60d	450z 60d			

NOTE: These specifications are for standard 7" plank Hawk Cut and Perforated floors.

Key:

1	2
3	4

1 = Number of SuperWave Supports
2 = SuperWave Support Spacing in inches
3 = Number of Z Supports (z)
4 = Number of Double Super Supports (d)

SUPERWAVE™ SUPPORT REQUIREMENTS FOR HEAVY DUTY, 20 GA. PERF. FLOORS

	# OF RINGS - SUKUP BINS (44" RING HEIGHT)																							
	3 & 4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
BIN	EAVE HEIGHT (FEET)																							
DIA.	16'	17' - 19'	20' - 22'	23' - 26'	27' - 30'	31' - 33'	34' - 37'	38' - 41'	42' - 44'	45' - 48'	49' - 52'	53' - 56'	57' - 59'	60' - 63'	64' - 66'	67' - 70'	71' - 74'	75' - 78'	79' - 81'	82' - 85'	86' - 88'			
15'	34 35" 4d	38 31"	40 28"	44 27"	48 25"	48 24"	48 23"	48 22"	48 22"	50 21"	50 21"	50 21"	52 20"	52 19" 8d	52 19" 8d	52 19" 8d	52 18" 18d	52 18" 18d	52 18" 18d	52 17" 18d	52 17" 18d			
18'	42 34" 4d	48 31" 31d	52 28" 8d	54 26" 8d	54 25" 25d	62 23" 8d	62 22" 12d	62 22" 12d	68 21" 12d	68 21" 12d	72 20" 12d	72 20" 12d	74 19" 8d	74 19" 8d	74 19" 8d	74 18" 18d	74 18" 18d	74 18" 18d	74 18" 18d	74 17" 18d	74 17" 18d			
21'	72 33" 4d	72 30" 30d	72 28" 28d	74 26" 8d	76 25" 8d	78 23" 8d	80 22" 10d	80 22" 10d	86 21" 8d	86 21" 8d	86 20" 8d	86 20" 8d	98 19" 12d	98 19" 12d	98 19" 12d	96 18" 24d	96 18" 24d	98 17" 24d	98 17" 24d	98 17" 24d	98 17" 24d			
24'	82 33" 4d	86 30" 30d	90 28" 28d	90 26" 24d	102 24" 24d	102 23" 8d	112 22" 12d	112 22" 12d	118 21" 12d	118 21" 12d	120 20" 12d	120 20" 12d	128 19" 16d	128 19" 16d	128 19" 16d	136 18" 26d	136 17" 26d	136 17" 26d	150 16" 26d	150 16" 26d	150 16" 26d			
27'	96 32" 8d	116 29" 29d	114 27" 12d	114 26" 12d	132 24" 24d	134 23" 8d	134 22" 8d	148 21" 16d	148 21" 16d	148 21" 16d	150 20" 12d	150 20" 12d	150 19" 16d	150 19" 16d	158 18" 32d	158 18" 32d	160 17" 32d	160 17" 32d	178 16" 28d	178 16" 28d	178 16" 28d			
30'	124 32" 14d	130 29" 29d	148 27" 12d	148 25" 25d	150 24" 14d	166 23" 16d	166 22" 16d	182 21" 20d	182 21" 20d	182 21" 20d	188 20" 16d	190 19" 12d	190 19" 12d	190 19" 12d	206 18" 30d	224 17" 42d	224 17" 42d	224 17" 42d	234 16" 38d	234 16" 38d	234 16" 38d			
33'	148 31" 20d	160 29" 20d	162 27" 12d	188 25" 12d	188 24" 12d	208 23" 12d	210 22" 8d	214 21" 12d	230 20" 12d	230 20" 12d	230 19" 12d	230 19" 12d	230 19" 12d	242 18" 32d	242 18" 32d	260 17" 32d	260 16" 36d	260 16" 36d	260 16" 36d	260 16" 36d	290 15" 20d			
36'	178 31" 12d	204 28" 28d	202 27" 12d	220 25" 16d	222 24" 12d	222 23" 12d	244 22" 16d	244 21" 16d	262 20" 20d	262 19" 20d	262 19" 20d	262 19" 20d	292 18" 38d	292 18" 38d	310 17" 34d	310 17" 34d	310 16" 34d	310 16" 34d	330 15" 22d	330 15" 22d	330 15" 22d			
42' Split	254 30" 30d	282 28" 28d	308 26" 26d	310 24" 16d	330 23" 28d	338 22" 12d	338 22" 12d	368 21" 16d	390 20" 16d	390 19" 16d	390 19" 16d	408 18" 40d	408 18" 40d	438 17" 40d	438 17" 40d	438 17" 40d	460 16" 44d	460 16" 44d	484 15" 40d	484 15" 40d	484 15" 40d			
48' Split	350 29" 29d	360 27" 20d	388 26" 12d	412 24" 24d	412 23" 16d	452 22" 20d	452 22" 20d	478 21" 20d	478 20" 20d	500 19" 20d	500 19" 20d	526 18" 48d	526 18" 48d	552 17" 44d	552 17" 44d	578 16" 48d	578 16" 48d	614 15" 48d	614 15" 48d	614 15" 48d	644 14" 52d			
54' Split	424 29" 20d	452 27" 24d	480 25" 25d	486 24" 24d	518 23" 20d	558 22" 20d	558 21" 24d	598 20" 20d	626 19" 20d	626 19" 20d	626 18" 52d	626 18" 52d	668 17" 56d	668 17" 56d	720 16" 52d	720 16" 52d	720 15" 56d	720 15" 56d	720 15" 56d	720 15" 56d	804 14" 56d			
60' Split	542 28" 28d	576 26" 20d	576 25" 20d	646 23" 20d	646 22" 20d	678 21" 20d	678 21" 20d	714 20" 20d	750 19" 20d	750 19" 20d	798 18" 58d	798 18" 58d	836 17" 62d	866 16" 58d	866 16" 58d	866 16" 58d	954 15" 62d	954 15" 62d	968 14" 62d	968 14" 62d	1094 13" 66d			
72' Split	770 27" 20d	826 25" 28d	852 24" 24d	906 23" 28d	952 22" 28d	952 21" 28d	980 20" 32d	1082 19" 28d	1082 19" 28d	1124 18" 74d	1154 17" 70d	1154 17" 70d	1154 17" 70d	1242 16" 70d	1242 16" 70d	1304 15" 74d	1304 15" 74d	1424 14" 70d	1424 14" 70d	1496 13" 70d	1496 13" 70d			
75' Split	832 27" 24d	894 25" 24d	936 24" 24d	936 23" 24d	986 22" 28d	1026 21" 28d	1062 20" 24d	1178 19" 20d	1178 19" 20d	1200 18" 68d	1238 17" 68d	1238 17" 68d	1344 16" 76d	1344 16" 76d	1344 16" 76d	1422 15" 72d	1422 15" 72d	1514 14" 72d	1514 14" 72d	1602 13" 72d	1602 13" 72d			
78' Double Split	960 26" 24d	1014 25" 32d	1014 24" 32d	1096 22" 28d	1096 22" 28d	1144 21" 24d	1192 20" 36d	1286 19" 24d	1340 18" 82d	1340 18" 82d	1372 17" 66d	1372 17" 66d	1468 16" 82d	1468 16" 82d	1468 16" 82d	1556 15" 86d	1556 15" 86d	1652 14" 70d	1792 13" 86d	1792 13" 86d	1792 13" 86d			
90' Double Split	1280 25" 40d	1326 24" 36d	1396 23" 28d	1466 22" 28d	1558 21" 24d	1608 20" 20d	1660 19" 44d	1660 19" 44d	1802 18" 72d	1802 18" 72d	1872 17" 80d	1872 17" 80d	2000 16" 72d	2000 16" 72d	2082 15" 52d	2082 15" 52d	2176 14" 52d	2176 14" 52d	2340 13" 52d	2340 13" 52d	2544 12" 52d			
105' Double Split	1794 24" 40d	1854 23" 30d	1912 22" 24d	2042 21" 32d	2106 20" 32d	2106 20" 32d	2238 19" 32d	2370 18" 96d	2370 18" 96d	2490 17" 80d	2490 17" 80d	2606 16" 76d	2606 16" 76d	2786 15" 60d	2786 15" 60d	2964 14" 60d	2964 14" 60d	3132 13" 60d	3132 13" 60d	3386 12" 60d	3386 12" 60d			

NOTE: These specifications are for 20 ga. heavy duty Perforated floors.

Key: 1 2 / 4

1 = Number of SuperWave Supports

2 = SuperWave Support Spacing in inches

4 = Number of Double Super Supports (d)

SUPERWAVE™ SUPPORT REQUIREMENTS FOR HEAVY DUTY, 18 GA. PERF. FLOORS

	# OF RINGS - SUKUP BINS (44" RING HEIGHT)																							
	3 & 4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
BIN	EAVE HEIGHT (FEET)																							
DIA.	16'	17' - 19'	20' - 22'	23' - 26'	27' - 30'	31' - 33'	34' - 37'	38' - 41'	42' - 44'	45' - 48'	49' - 52'	53' - 56'	57' - 59'	60' - 63'	64' - 66'	67' - 70'	71' - 74'	75' - 78'	79' - 81'	82' - 85'	86' - 88'			
15'	32 39"	34 35"	38 33"	38 30"	38 29"	44 27"	44 26"	48 25"	48 24"	48 23"	48 23"	48 23"	48 22"	50 21"	50 21"	50 21"	52 20"	52 20"	52 20"	52 19"	52 19"			
		35d																		8d	8d			
18'	42 38"	42 35"	48 32"	50 30"	52 28"	54 27"	54 26"	58 24"	62 23"	62 23"	62 22"	62 22"	68 21"	68 21"	68 21"	72 20"	72 20"	72 20"	72 20"	74 19"	74 19"			
	4d	4d	4d	30d	28d	8d	8d	8d	12d	12d	12d	12d	12d	12d	12d	12d	12d	12d	12d	8d	8d			
21'	62 38"	72 34"	72 32"	72 30"	72 28"	72 27"	76 25"	78 24"	78 23"	78 23"	80 22"	80 22"	86 21"	86 21"	86 21"	86 20"	86 20"	98 19"	98 19"	98 19"	98 19"			
	4d	4d	4d	4d	4d	27d	8d	8d	8d	8d	10d	10d	8d	8d	8d	8d	8d	12d	12d	12d	12d			
24'	80 37"	80 34"	82 32"	86 30"	90 28"	90 26"	102 25"	102 24"	102 23"	102 23"	112 22"	112 22"	118 21"	118 21"	118 21"	120 20"	128 19"	128 19"	136 18"	136 18"	136 18"			
	4d	4d	4d	8d	4d	4d	8d	8d	8d	8d	12d	12d	12d	12d	12d	12d	16d	16d	26d	26d	26d			
27'	78 37"	96 34"	96 31"	116 29"	118 28"	114 26"	120 25"	132 24"	134 23"	134 23"	134 22"	134 22"	148 21"	148 21"	150 20"	150 20"	150 19"	150 19"	158 18"	158 18"	158 18"			
	8d	8d	8d	12d	12d	26d	8d	8d	8d	8d	8d	8d	16d	16d	12d	12d	16d	16d	32d	32d	32d			
30'	110 36"	110 33"	128 31"	130 29"	148 27"	148 26"	148 25"	150 24"	166 23"	166 23"	166 22"	182 21"	182 21"	182 21"	188 20"	190 19"	190 19"	190 19"	206 18"	206 18"	206 18"			
	8d	8d	12d	12d	27d	12d	14d	14d	16d	16d	16d	20d	20d	20d	16d	12d	12d	12d	30d	30d	30d			
33'	118 36"	136 33"	148 31"	160 29"	162 27"	188 26"	188 25"	188 24"	208 23"	210 22"	214 21"	214 21"	214 21"	230 20"	230 20"	230 19"	242 18"	242 18"	242 18"	242 18"	260 17"			
	12d	8d	20d	20d	27d	12d	12d	12d	12d	8d	12d	12d	12d	12d	12d	12d	32d	32d	32d	32d	32d			
36'	150 35"	178 33"	178 30"	180 29"	202 27"	204 26"	220 25"	222 24"	222 23"	244 22"	244 21"	244 21"	262 20"	262 20"	262 19"	262 19"	292 18"	292 18"	310 17"	310 17"	310 17"			
	16d	12d	12d	29d	27d	16d	16d	12d	12d	16d	12d	12d	20d	20d	20d	20d	38d	38d	34d	34d	34d			
42' Split	234 34"	254 32"	254 30"	282 28"	282 27"	308 25"	310 24"	330 23"	338 22"	338 22"	368 21"	390 20"	390 20"	390 19"	390 19"	390 19"	408 18"	408 18"	438 17"	438 17"	438 17"			
	16d	16d	16d	16d	27d	16d	16d	28d	12d	12d	16d	16d	16d	16d	16d	16d	50d	50d	50d	50d	50d			
48' Split	284 34"	320 31"	350 29"	350 28"	388 26"	388 25"	412 24"	412 23"	452 22"	478 21"	478 21"	478 20"	478 20"	500 19"	500 19"	526 18"	526 18"	552 17"	552 17"	552 17"	614 15"			
	16d	16d	16d	16d	26d	16d	16d	16d	20d	20d	20d	20d	20d	20d	20d	48d	48d	44d	44d	44d	48d			
54' Split	390 33"	390 31"	424 29"	452 27"	452 26"	480 25"	486 24"	518 23"	558 22"	558 21"	558 21"	598 20"	626 19"	626 19"	626 18"	626 18"	668 17"	668 17"	668 17"	668 17"	720 15"			
	20d	20d	20d	27d	24d	24d	24d	20d	20d	24d	24d	20d	20d	20d	52d	52d	56d	56d	56d	56d	56d			
60' Split	480 32"	496 30"	542 28"	544 27"	576 25"	610 24"	646 23"	646 23"	646 22"	678 21"	714 20"	714 20"	750 19"	750 19"	798 18"	836 17"	836 17"	866 16"	954 15"	954 15"	968 14"			
	20d	20d	20d	27d	20d	20d	20d	20d	20d	20d	20d	20d	20d	20d	58d	62d	62d	16d	62d	62d	62d			
72' Split	712 31"	736 29"	770 27"	826 26"	826 25"	852 24"	906 23"	952 22"	952 21"	952 21"	980 20"	1082 19"	1082 19"	1124 18"	1124 18"	1154 17"	1242 16"	1304 15"	1304 15"	1424 14"	1424 14"			
	22d	20d	27d	20d	28d	24d	28d	28d	28d	28d	32d	28d	28d	74d	74d	70d	16d	74d	74d	70d	70d			
75' Split	738 31"	750 29"	832 27"	846 26"	894 25"	936 24"	936 23"	982 22"	1026 21"	1026 21"	1062 20"	1178 19"	1178 19"	1200 18"	1200 18"	1238 17"	1344 16"	1422 15"	1422 15"	1514 14"	1514 14"			
	28d	28d	24d	26d	24d	24d	24d	28d	28d	28d	24d	20d	20d	68d	68d	68d	16d	72d	72d	72d	72d			
78' Double Split	886 30"	932 28"	932 27"	960 26"	1014 25"	1014 24"	1054 23"	1096 22"	1144 21"	1192 20"	1192 20"	1286 19"	1286 19"	1340 18"	1372 17"	1372 17"	1468 16"	1556 15"	1556 15"	1652 14"	1652 14"			
	20d	20d	20d	24d	32d	32d	32d	28d	24d	36d	36d	24d	24d	82d	66d	66d	16d	86d	86d	70d	70d			
90' Double Split	1082 29"	1176 28"	1294 26"	1280 25"	1326 24"	1396 23"	1466 22"	1558 21"	1558 21"	1608 20"	1608 20"	1660 19"	1660 19"	1802 18"	1872 17"	2000 16"	2000 16"	2082 15"	2176 14"	2176 14"	2340 13"			
	28d	28d	32d	40d	36d	28d	22d	24d	24d	40d	40d	44d	44d	72d	80d	16d	16d	52d	52d	52d	52d			
105' Double Split	1542 28"	1600 27"	1732 25"	1794 24"	1854 23"	1912 22"	1912 22"	2042 21"	2106 20"	2106 20"	2238 19"	2238 19"	2370 18"	2490 17"	2606 16"	2606 16"	2786 15"	2964 14"	2964 14"	3132 13"	3132 13"			
	42d	42d	40d	40d	30d	24d	24d	32d	32d	32d	32d	32d	96d	80d	16d	16d	60d	60d	60d	60d	60d			

NOTE: These specifications are for 18 ga. heavy duty Perforated floors.

Key: 1 2 / 4

1 = Number of SuperWave Supports

2 = SuperWave Support Spacing in inches

4 = Number of Double Super Supports (d)

FLOOR INSTALLATION USING CONCRETE BLOCKS FOR STIR DRYING BINS AND STORAGE BINS

1. Refer to Concrete Block Spacing and Quantity Recommendation Chart before beginning assembly.

IMPORTANT: When using a recirculating device or continuous-flow bottom unload system, floor supported by concrete blocks requires intermediate support braces below floor. Check with recirculator or continuous flow unload system manufacturer and purchase intermediate braces from them. Otherwise, “Z” Post floor supports are recommended when installing recirculator or continuous flow bottom unload system. Maximum grain depth with recirculator or continuous flow bottom unload system is 20'.

Stirring machines are not recirculators; therefore, support spacing is based on eave height.

2. Chalk-mark centerline of bin in same direction unloading tube will run.

3. Measure over one-half of the “B” dimension on either side of centerline and chalk-mark another line. Continue to measure over the “B” dimension from these lines until reaching bin wall. When complete, there should be a set of parallel lines “B” dimension apart.

4. Place concrete blocks around perimeter of bin, staying 2-3 inches from bin wall. Place rows of concrete blocks so they are centered on chalk lines and so air will flow horizontally through holes in blocks. See Fig. 10.

IMPORTANT: If installing a split-plank floor, ensure splices are supported by concrete blocks. It may be necessary to move those blocks 1” off of center of chalk lines to ensure proper support of plank splices. See plank splicing instructions on Page 34.

NOTICE: Be sure center sump is supported adequately by concrete blocks. It may be necessary to stagger blocks around center sump to provide proper support. Be sure no blocks will interfere with travel of center sump slide gate.

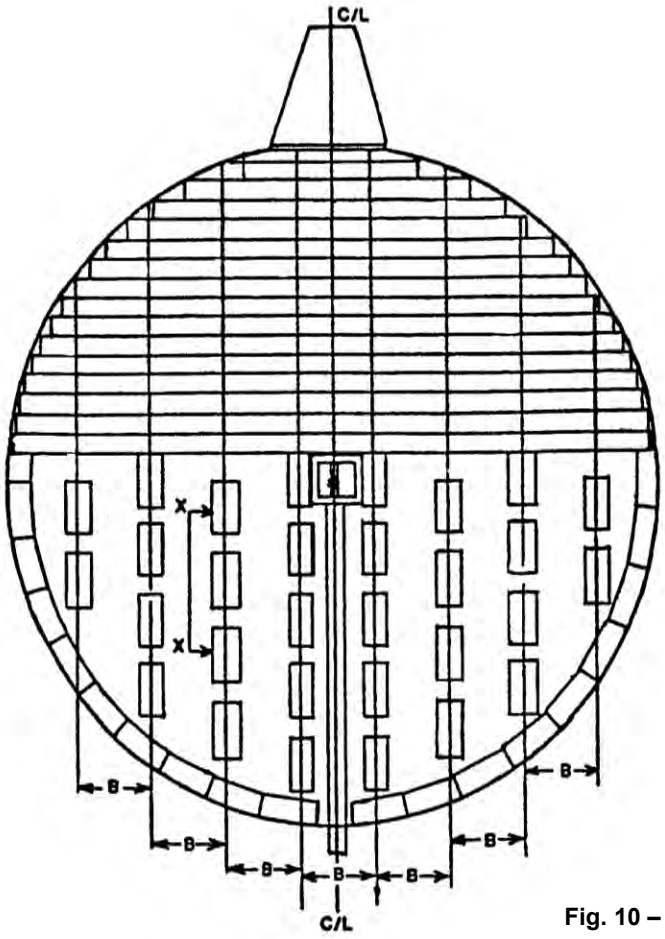
5. Start laying floor by using shortest floor plank first. Open-channel edge of floor must face center of bin. Second piece of floor may be snapped into place by pushing down on inside edge of floor. Refer to proper bin diameter Channel-Lok floor layout page to find specified floor plank lengths and order in which they are assembled.

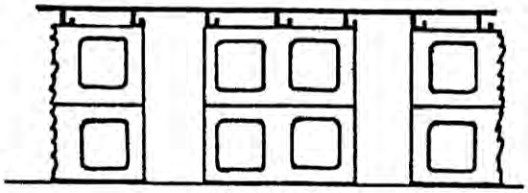
6. Continue this procedure with remainder of floor. On longer pieces it may be necessary to snap floor pieces together starting at one end and gradually moving toward other end.

7. When floor has been installed, refer to Floor Flashing Detail pages, 35-36, for instructions on installing floor flashing.

WARRANTY VALID ONLY WHEN CONCRETE IS LEVEL AND FLOORING IS INSTALLED ACCORDING TO CHANNEL-LOK SPECIFICATIONS AND INSTRUCTIONS.

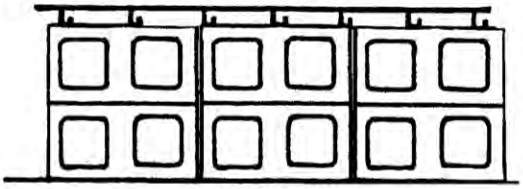
CONCRETE BLOCK SPACING AND QUANTITY RECOMMENDATIONS





Section X-X

Typical block spacing 8" x 8" x 16" blocks.



Section X-X

Typical block spacing for recirculating and continuous flow bottom unload systems.

NOTE: Due to high temperatures and airflows required for continuous flow drying, concrete blocks are not recommended.

Fig. 10 – Concrete block floor supports

IMPORTANT: See previous page for plank installation instructions.
Maximum peak grain depth on concrete (with no steel supports) is:

Hawk Cut floor - 40'
20 gauge Round Hole Perforated Floor - 20'

CHART BELOW (QUANTITIES) IS FOR TWO HIGH BLOCK

BIN DIA	EAVE HEIGHT						RECIRCULATOR & CONT. FLOW (1) BOTTOM UNLOAD	
	Up to 20		21'-30'		31'-34'			
	Qty.	"B"	Qty.	"B"	Qty.	"B"	Qty.	"B"
15'	120	26"	---	---	---	---	---	---
18'	180	24"	235	17"	23	17"	276	18"
21'	270	22"	330	17"	330	17"	370	18"
24'	340	22"	400	17"	500	13"	500	18"
27'	410	22"	560	16"	640	13"	626	18"
30'	500	22"	675	16"	785	13"	755	18"
33'	610	22"	790	16"	1010	13"	936	18"
36'	725	22"	936	16"	1200	13"	1110	18"
42'	1080	20"	1300	16"	1570	13"	1510	18"
48'	1330	20"	1640	16"	NR	NR	NR	NR

(1) Maximum eave height 20'. Recirculator requires use of intermediate support brace centered under each plank. See previous page.

SUPPORTING FLOOR OVER UNLOAD SYSTEM

In addition to floor supports specified in flooring installation instructions, supports such as Sukup Double Super Supports must be placed along unload auger or conveyor to provide adequate floor support.

IMPORTANT: Refer to specific floor support instructions on this and following pages for unload system used.

DISCLAIMER: It shall not be the responsibility of Sukup Manufacturing Co. to determine suitable support system for flooring over unload system. Customer (or customer's retained engineer or construction supervisor) is responsible. Consideration should include, but not be limited to, live loads, dead loads and seismic zone.

Sukup Manufacturing Co. will not be responsible for any damage to a product, including, but not limited to, any damage that results from inadequate or improper support methods and materials.

Supporting Floor Over Unload Tube

If applicable table elsewhere in this manual (for type of supports used under floor) says supports should be placed closer than Dimension A in table below, then bridging is needed to support floor planks over void left for sump gate when it is open, as shown in Fig. 11.

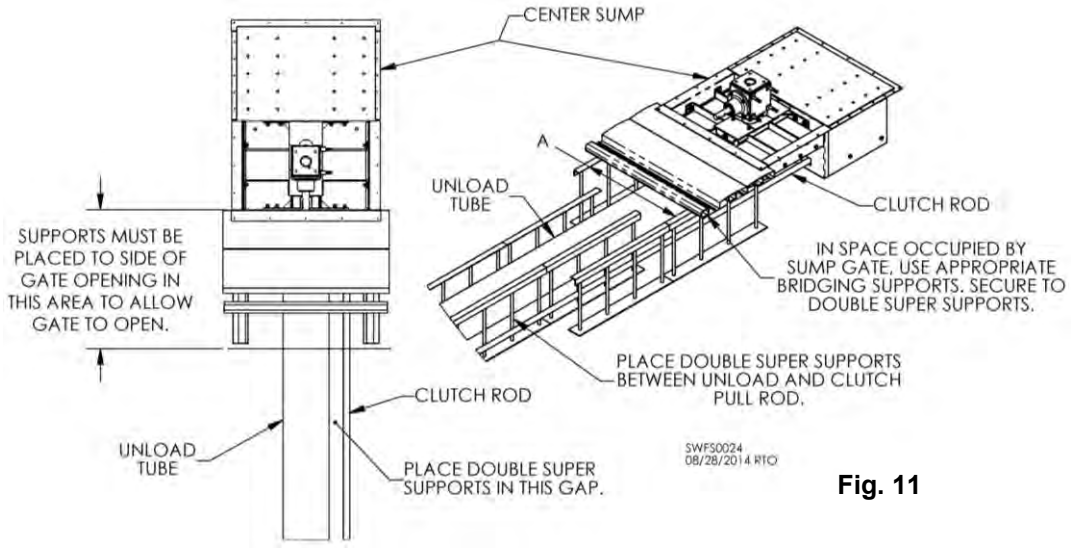


Fig. 11

		EAVE HEIGHT	
UNLOAD TUBE DIA.	**DIMENSION A**	**48' OR LESS**	**54'-78'**
6"	16"	68'	64'
8"-10"	23"	48'	44'

If bridging is recommended, it should be at center of each floor plank over unload tube. Bridging supports should at minimum be made of 1-1/2 x 1-1/2" high-strength steel tube with a thickness of 3/16", or material of similar strength. Bridging tubes must be kept from sliding off of supports using tabs, screws or other means. **IMPORTANT:** Floor supports used for bridging do not count as part of floor support system.

If using Double Super Supports, place on each side of sump and unload tube as shown in Fig. 11, making sure to anchor Double Super Support bases to concrete using concrete screws or wedge anchors.

Two bridging tubes must be used under each plank if eave height of bin is greater than height listed in table above. Also, two Double Super Supports must be placed on each side of sump and unload tube if using two floor support tubes under each plank. Values in table above are based on 15-7/8" floor supports and assume unload is not in a trench.

Supporting Floor Over U-Trough

In addition to floor supports specified in flooring installation instructions, supports such as Sukup Double Super Supports must be placed between U-Trough and clutch rod as shown in Fig. 12 to provide adequate floor support above trough.

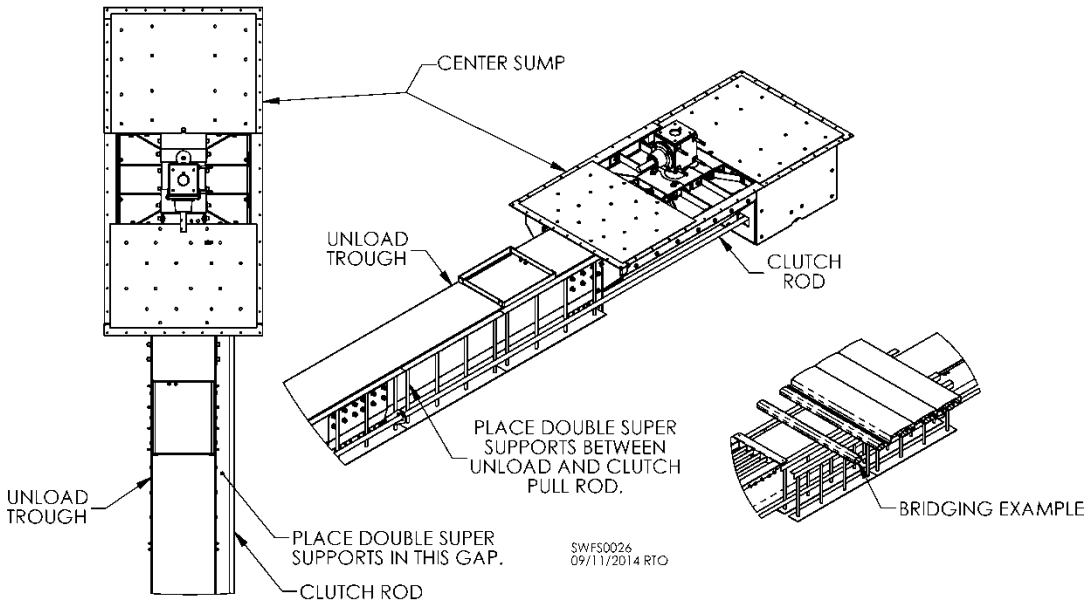


Fig. 12

If applicable table elsewhere in this manual (for type of supports used under floor) says supports should be placed closer than width of trough, bridging is needed to support floor planks over trough.

If bridging is recommended, it should be at center of each floor plank over trough. Bridging supports should at minimum be made of 1-1/2 x 1-1/2" high-strength steel tube with a thickness of 3/16", or material of similar strength. Bridging tubes must be kept from sliding off of supports using tabs, screws or other means. **IMPORTANT:** Floor supports used for bridging do not count as part of floor support system.

If using Double Super Supports, place on each side of sump and unload trough as shown in Fig. 12, making sure to anchor Double Super Support bases to concrete using concrete screws or wedge anchors.

EAVE HEIGHT	
48' OR LESS	**54'-78'**
68'	64'
48'	44'

Two bridging tubes must be used under each plank if eave height of bin is greater than height listed in table above. Also, two Double Super Supports must be placed on each side of sump and trough if using two floor support tubes under each plank. Values in table above are based on 15-7/8" floor supports and assume trough is not in a trench.

Supporting Floor Over Chain Loop Conveyor

In addition to floor supports specified in flooring installation instructions, supports such as Sukup Double Super Supports should be placed as close as possible to conveyor tube as shown in Fig. 13 to provide adequate floor support. However, be sure to leave voids for opening of sump gates.

Additionally, if table elsewhere in this manual says floor supports should be placed closer than allowed by diameter of conveyor tube or width of center or intermediate sump gates, then bridging is needed to support floor planks in those areas. See Fig. 13 and table above it.

Following is guidance to consider. If bridging is recommended, it should be at center of each floor plank. Bridging supports should at minimum be made of 1-1/2 x 1-1/2" high-strength steel tube with a thickness of 3/16", or material of similar strength. Bridging tubes must be kept from sliding off of supports using tabs, screws or other means. **IMPORTANT:** Floor supports used for bridging do not count as part of floor support system. See tables elsewhere in this manual for floor support requirements.

If using Double Super Supports, place on each side of unsupported area as shown in Fig. 13, making sure to anchor Double Super Support bases to concrete using concrete screws or wedge anchors.

Single-tube bridging is adequate to span distances shown by eave heights in table under Fig. 13; two (2) tubes are required for spans exceeding those distances. Also, two Double Super Supports must be placed on each side of sump and conveyor if using two floor support tubes under each plank. Values are based on 15-7/8" floor supports and assume conveyor is not in a trench.

LOOP SYSTEM SIZE	DIM. A	DIM. B	DIM. C
8"	16"	14"	8"
10"	16"	14"	10"
12"	20"	16"	12"

NOTE: Dimensions are approximate

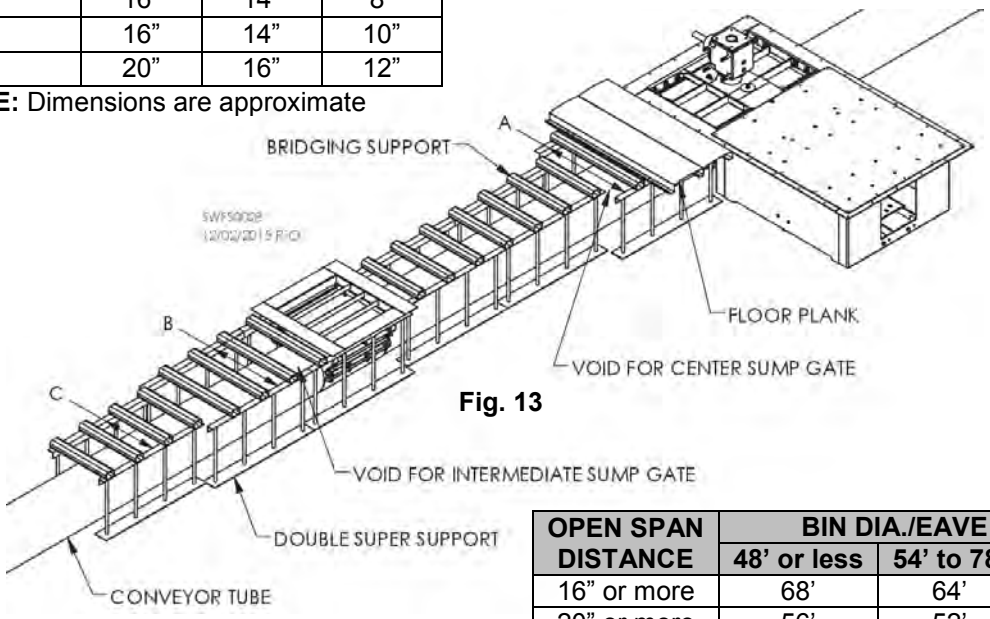


Fig. 13

OPEN SPAN DISTANCE	BIN DIA./EAVE HEIGHT		
	48' or less	54' to 78'	90' to 105'
16" or more	68'	64'	61'
20" or more	56'	52'	49'

After supports are in place, install floor as described elsewhere in this manual.

Supporting Floor Over Conveyor

Following is guidance to consider, applicable to bins up to 105 feet in diameter and 24 rings tall. Each floor plank over conveyor should be supported at center of plank by bridging. Bridging supports should at minimum be made of 1-1/2 x 1-1/2" high-strength steel tube with a thickness of 3/16", or material of similar strength. Bridging tubes must be kept from sliding off of supports, such as Sukup Double Super Supports, using tabs, screws or other means. **IMPORTANT:** Floor supports used for bridging do not count as part of floor support system.

If using Double Super Supports, place on each side of sump and conveyor as shown in Figs. 14-16, making sure to anchor Double Super Support bases to concrete using concrete screws or wedge anchors. Table below shows distance (Dimension A) between inside edges of Double Super Supports. Values in table are based on 15-7/8" floor supports and assume conveyor is not in a trench.

CONVEYOR WIDTH	MAX. "A" DIM.	EAVE HEIGHT		
		48' & SMALLER BINS	54-78' BINS	90-105' BINS
9"	14"	81"	77"	73"
12"	17"	68'	64'	61'
16"	21"	56'	52'	49'
21"	26"	48'	44'	41'

Floor supports must be placed as close to sides of sump as possible, as shown in Fig. 14.

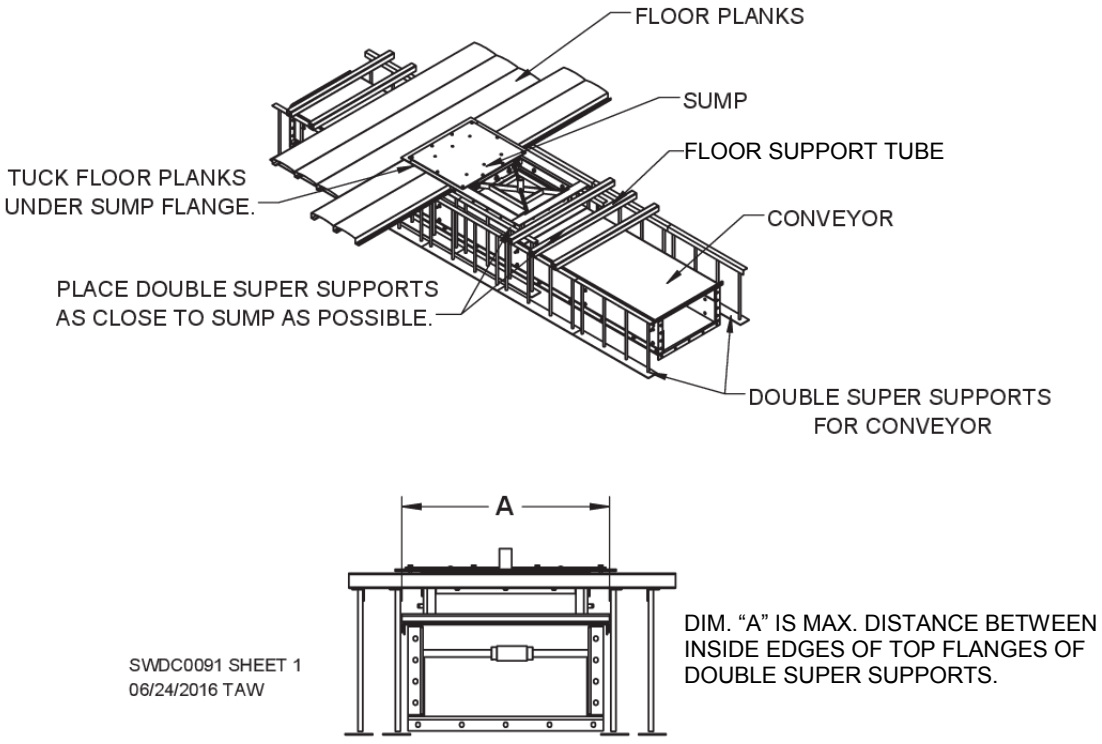


Fig. 14 – Positioning Double Super Supports

Refer to Fig. 15 for supporting flooring over conveyor in bins with eave heights listed in table on previous page. Refer to Fig. 16 for bins with eave heights greater than listed in table on previous page.

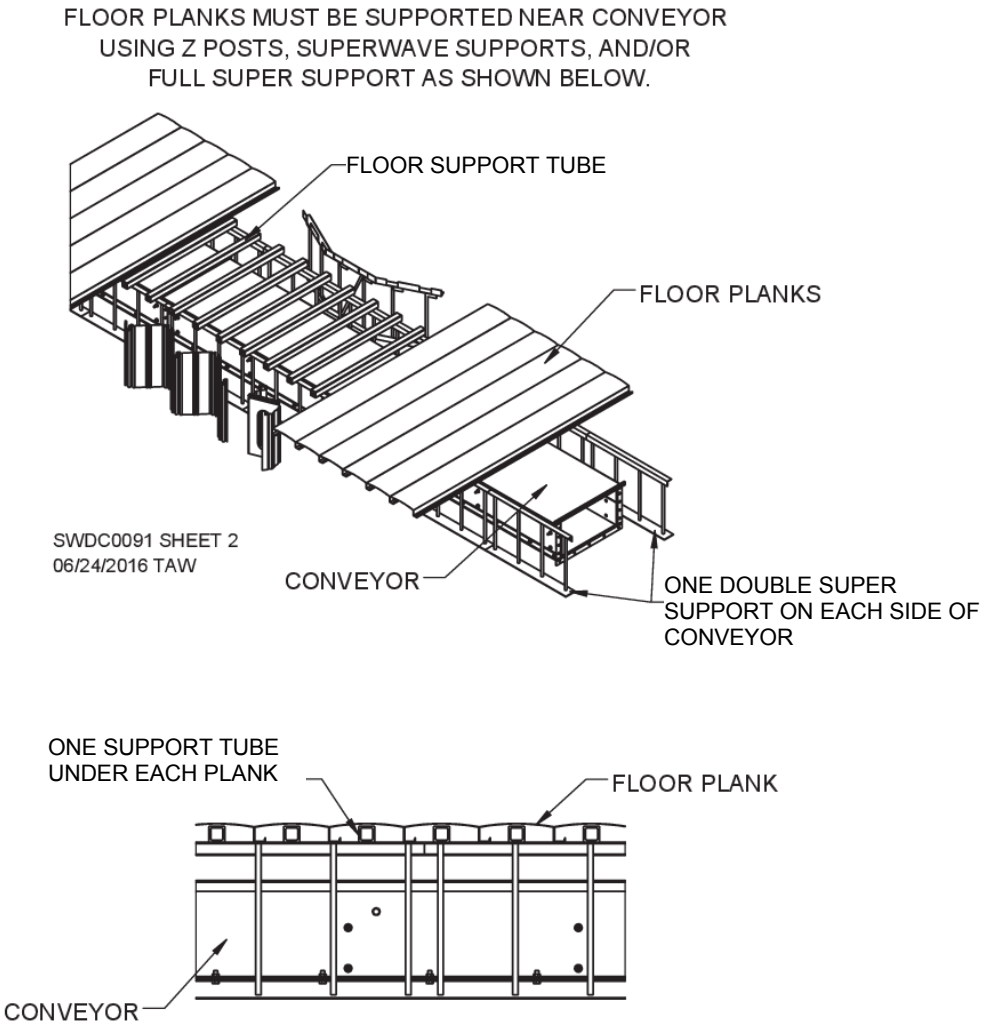


Fig. 15 – Planks over conveyor, shown from above and side

As shown in Fig. 16, two tubes must be used under each plank if eave height is greater than height listed in table on page 30. Also, two Double Super Supports must be placed on each side of sump and conveyor if using two floor support tubes under each plank. See Fig. 14.

NOTE: If recommended number of Double Super Supports do not fit under floor planks, contact structural engineer or Sukup Manufacturing Co. for other options.

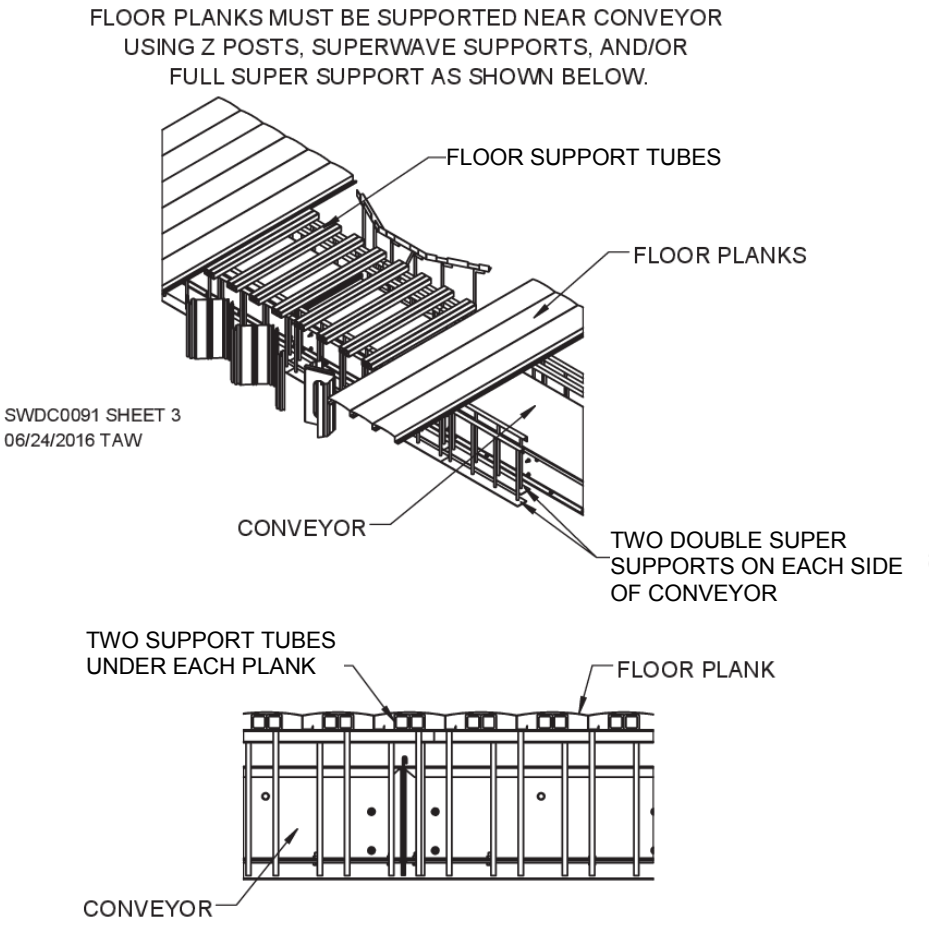


Fig. 16 – Planks over conveyor supported by two tubes and two Double Super Supports, shown from above and from side

SUPPORTING FLOOR PLANKS AT SPLICES

Ends of floor planks must not extend more than 7” beyond floor supports in bins up to 16 rings tall; more than 4” in bins 17 to 20 rings tall; or more than 2-1/2” in bins 21 or more rings tall. If either floor plank at splice has a longer unsupported overhang, additional supports will be needed. See Fig. 17.

NOTE: If bin has 21 or more rings, a support must be placed 2”, plus or minus 1/2”, from edge of each plank at splice, no matter which type of supports are used in bin.

NOTE: No floor support should be closer than 1-1/2” from end of a plank at splice.

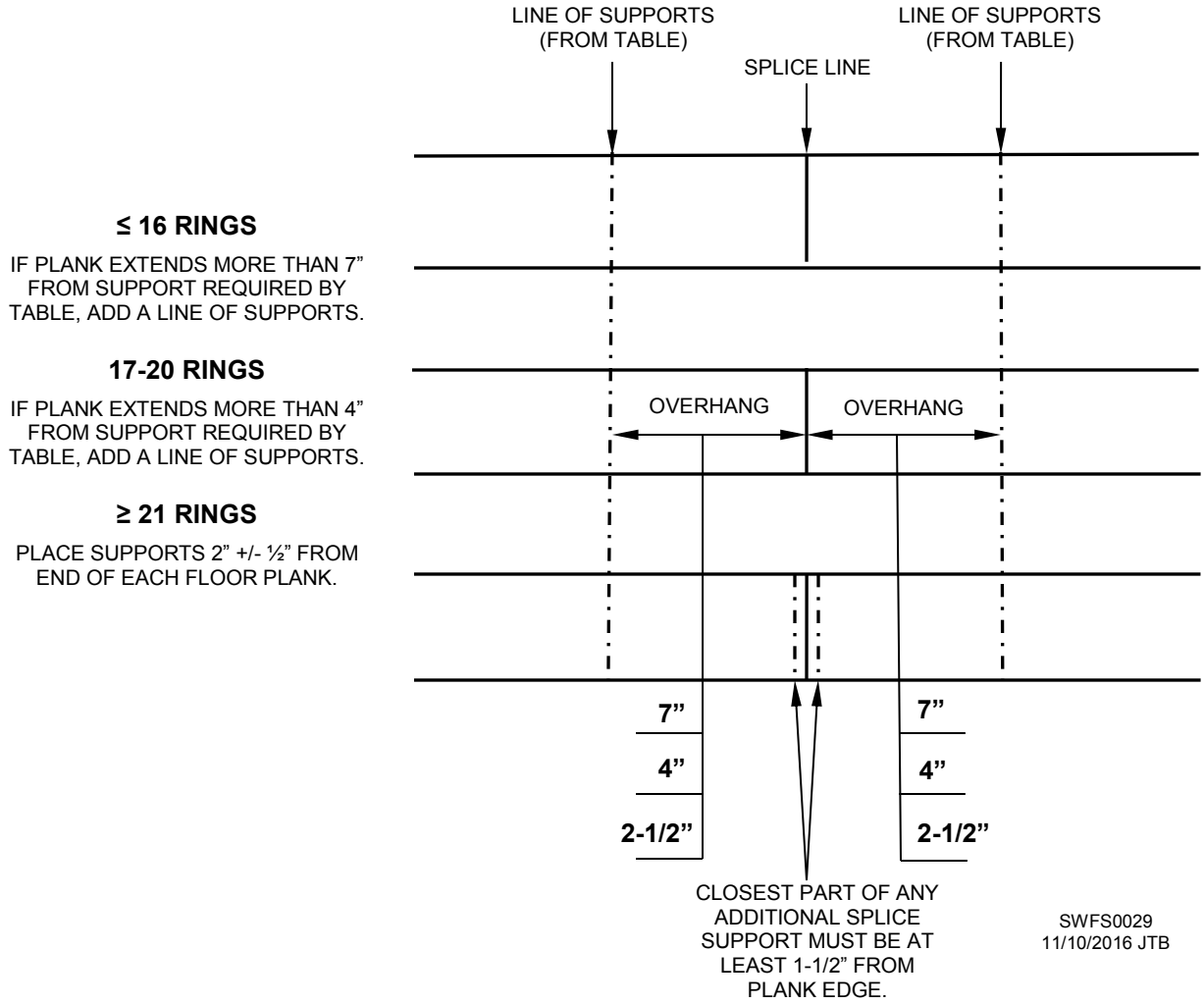


Fig. 17 – Supporting floor planks at splices

FLOOR PLANK SPLICING

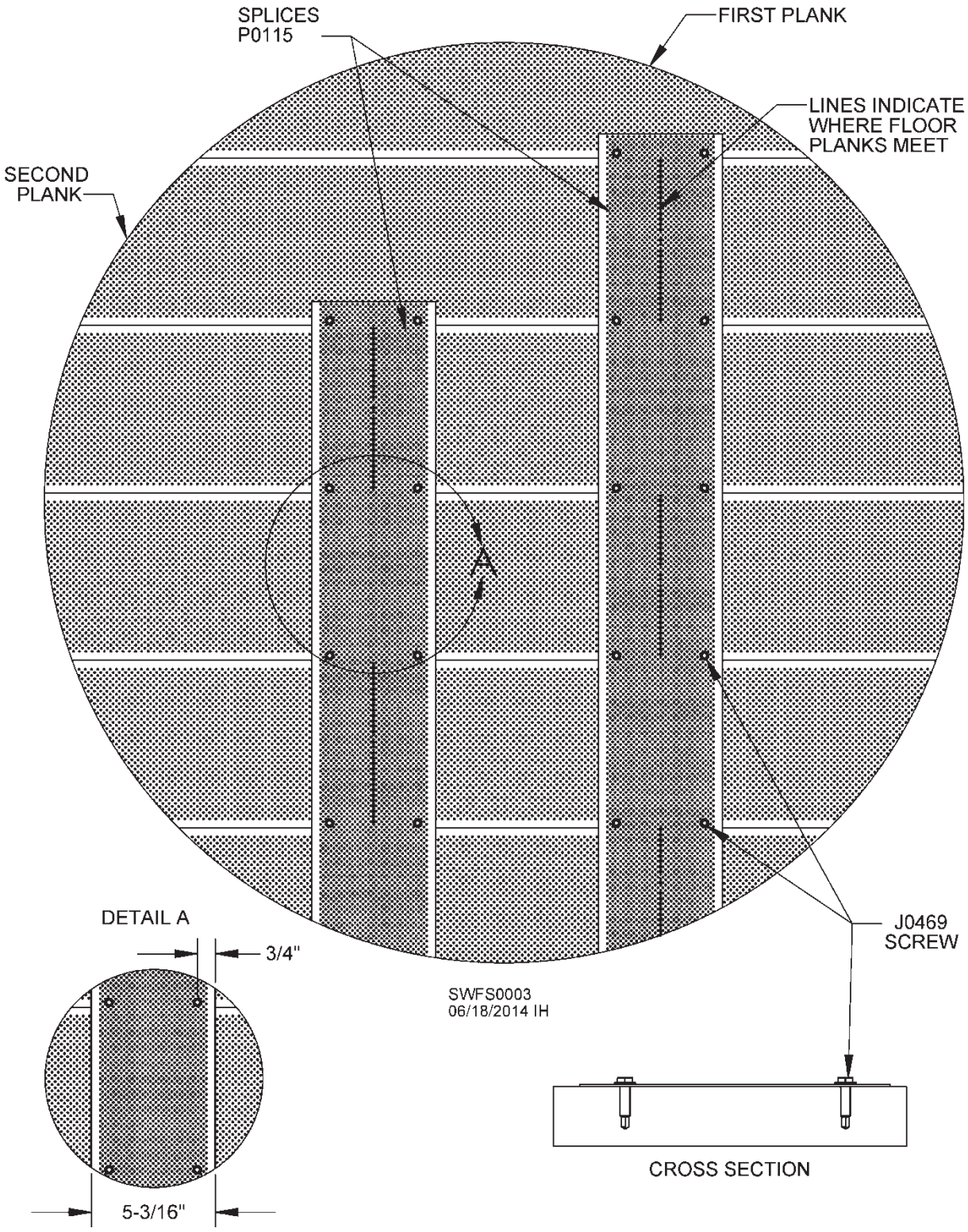


Fig. 18 – Splicing floor planks

If bin floor plank is made up of two pieces, they must be joined together with a splice.

Using self-drilling screws, join two pieces of floor plank by fastening perforated splice as shown in Fig. 18.

FLOOR FLASHING SPECIFICATIONS

Specifications by floor height

			STANDARD		HIGH BACK	
HEIGHT	**A**	**B**	**C**	**D**	**C**	**D**
5-1/4”	5-3/8”	4”	6”	7”	7-1/4”	8-1/4”
13-1/4”	13-3/8”	12”	14”	15”	15-1/4”	16-1/4”
15-7/8”	16”	14-5/8”	16-5/8”	17-5/8”	17-7/8”	18-7/8”
*17”	17-1/8”	15-3/4”	17-3/4”	18-3/4”	19”	20”
18-1/2”	18-5/8”	17-1/4”	19-1/4”	20-1/4”	20-1/2”	21-1/2”

***17” not available in Super Supports.**

A = Measurement from concrete to top of floor.
B = Measurement from concrete to bottom of floor.
C = Approximate distance from bottom of slot to concrete.
D = Approximate distance from top of slot to concrete.

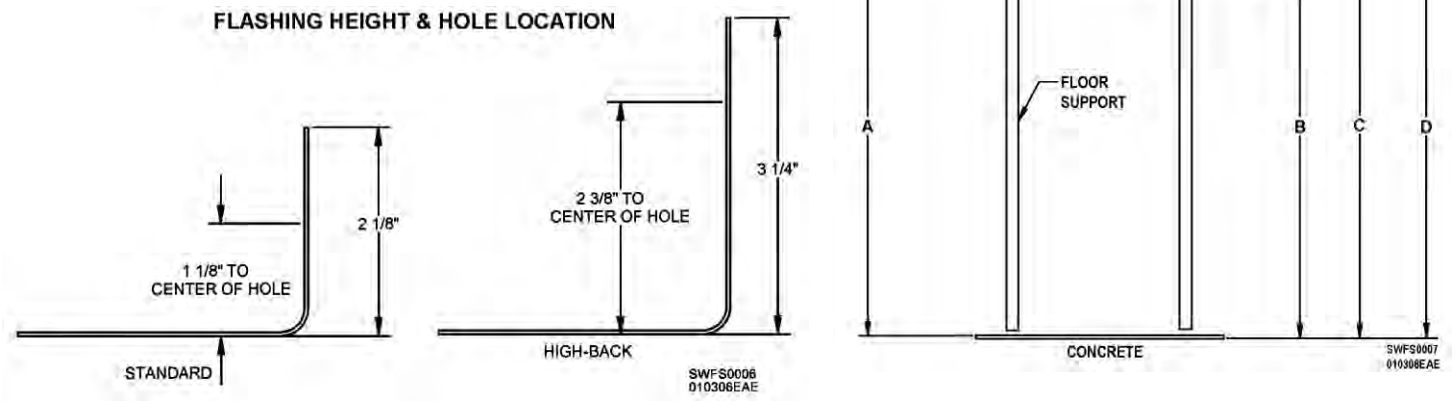


Fig. 19 – Floor flashing specifications

Shipping List

Flashing and Hardware for Bin Floor

BIN FLOOR SIZE	PIECES OF FLASHING*	FLASHING SCREWS	5/16 NUTS	3/8” WASHERS
15’	60	124	62	62
18’	72	156	78	78
21’	84	176	88	88
24'	96	200	100	100
27’	108	224	112	112
30’	120	252	126	126
33’	132	272	136	136
36'	144	300	150	150
42’ split	168	348	174	174
48’ split	192	396	198	198
54’ split	228	448	224	224
60’ split	240	484	242	242
72’ split	288	580	290	290
75' split	300	604	302	302
78’ split	312	628	314	314
90' split	360	724	362	362
105' split	420	846	423	423

***** If flashing is ordered pre-punched for Airways, pieces that are not pre-punched go under bin door.

FLASHING REQUIRED = 4 X BIN DIAMETER

FLOOR FLASHING DETAIL

If sweep auger will be used in bin, flashing must be overlapped as shown in Fig. 20 so that sweep wheel will “climb up” flashing sections as sweep travels clockwise around bin. This will prevent wheel from catching on edges of flashing. Reverse overlap if sweep will run counterclockwise.

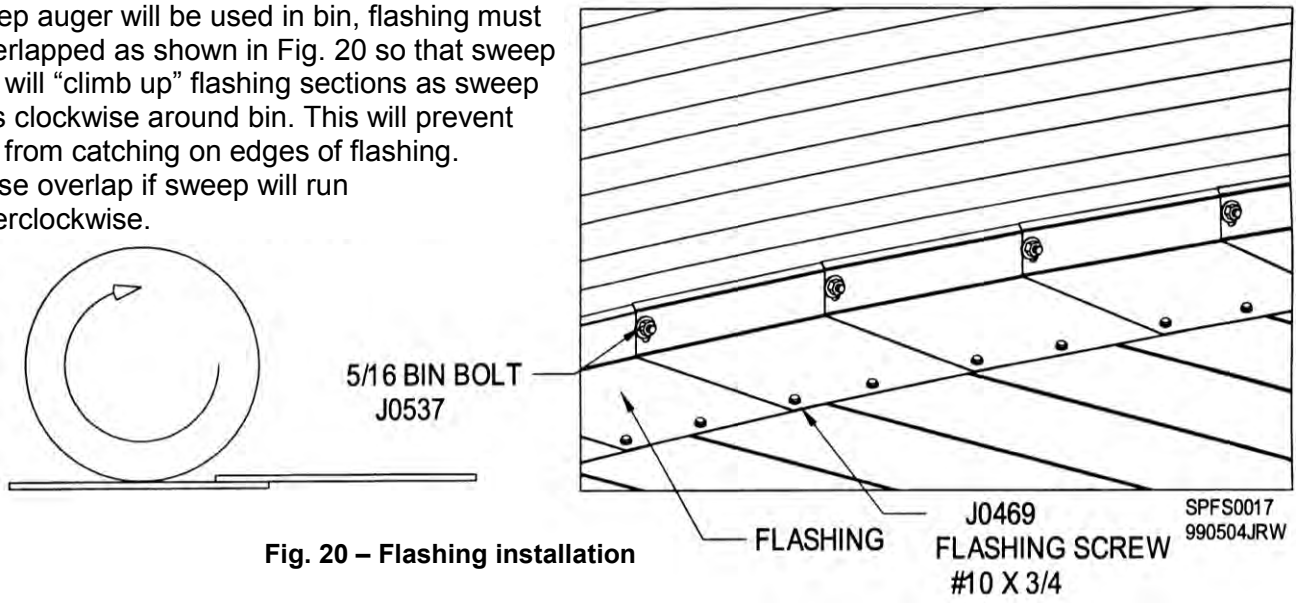


Fig. 20 – Flashing installation

Install #10 x 3/4” flashing screw at corner of each piece of flashing so screw goes through two pieces of flashing. See Fig. 20. Install a screw in flashing where two planks meet more than 2” from corner of flashing. See Fig. 21 or Fig. 22 to properly bolt flashing to side of bin depending on location of pre-punched plenum holes.

IMPORTANT: Use same bolt size as used in vertical seams of sidewall sheets.

Fig. 21 – Bolting on hill

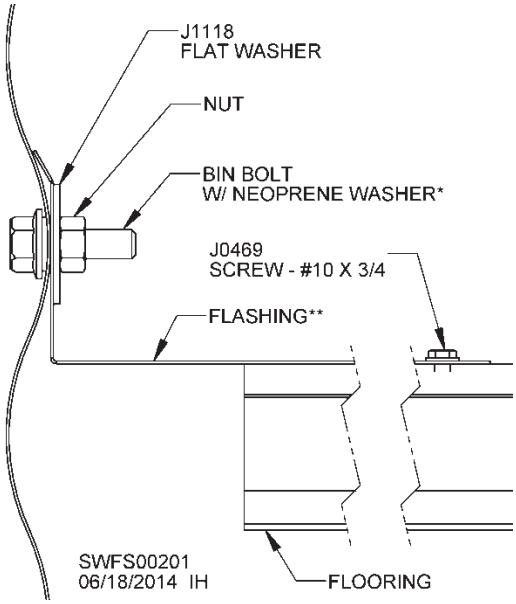
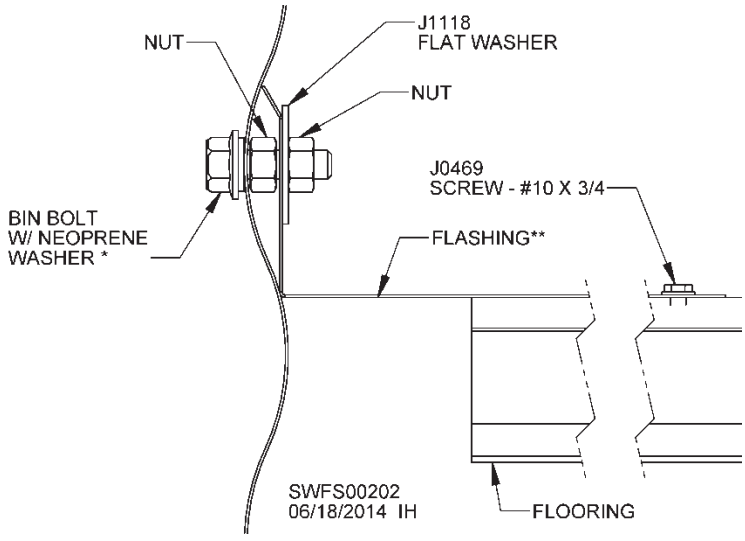


Fig. 22 – Bolting in valley



***Bin bolts and neoprene washers not included with flashing.**
****Refer to previous page to confirm flashing style and hole location.**

Notes on Floor Plank Location Tables and Support Installation

Included with each of the following floor layout pages are “Locating Floor Planks” tables. Please read them carefully to help in sorting planks according to bundle and length before beginning floor assembly.

See applicable table for spacing and total number of supports based on bin eave height. Tables for Z-Post Supports are on pages 12-13; for Super Supports are on pages 17-19; and for SuperWave Supports are on pages 22-24.

Place supports under each plank and install according to applicable instructions. Ends of floor planks must not extend more than 7” beyond floor supports in bins up to 16 rings tall; more than 4” in bins 17-20 rings tall; or more than 2-1/2” in bins 21 or more rings tall. See Page 33. Ensure that support closest to end of each plank also supports both adjacent planks.

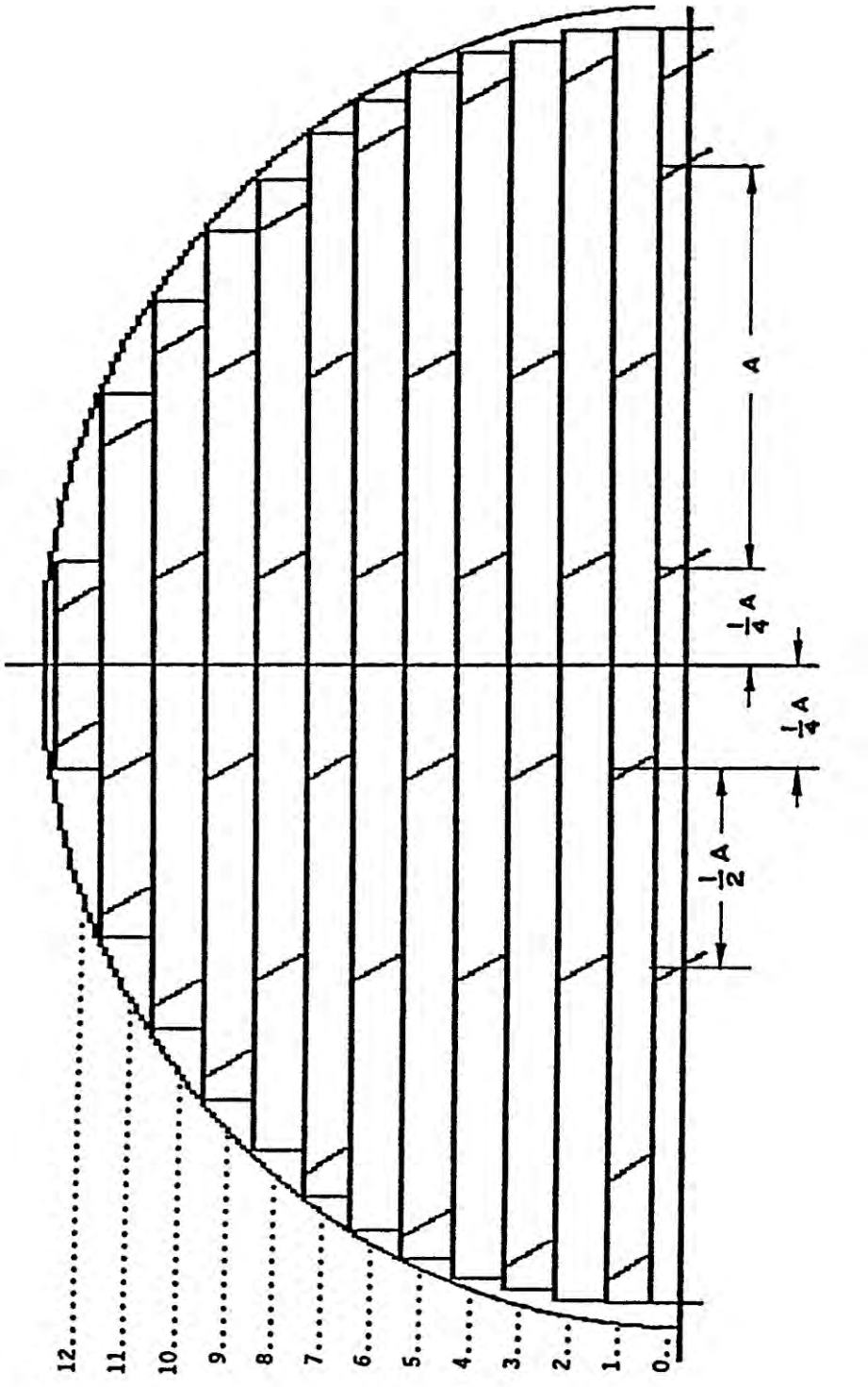
Floors in 36’, 42’ and 48’ dia. bins can be ordered split or non-split. Floors in bins larger than 48’ in diameter are all split-plank floors.

The following note applies to tables for split floors in bins 36’ in diameter and larger:

- Lengths of two split pieces are shown for each plank number.
- Seams in split floor must alternate as shown in plank layout drawing for bin.
- On split planks, increase number of supports listed for each plank so a support will be on each side of splice.
- See page 34 for splicing instructions.

There is only one plank “0” and two of all others (one on each side of centerline) for floors in bins 15’, 21’, 27’, 33’, 36’, 48’, 60’, 72’, 75’, 78’, 90’ or 105’ in diameter:

15' DIAMETER BIN – FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 15' BIN

A 15’ floor is shipped in one bundle. It will contain two stacks of flooring.

1. **Label stacks as shown below by measuring top plank of each stack.**

2. To find starter plank, see 15’ Diameter Bin Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 12, measuring 2’ 4”) is starter plank.

3. Install by following applicable floor support instructions.

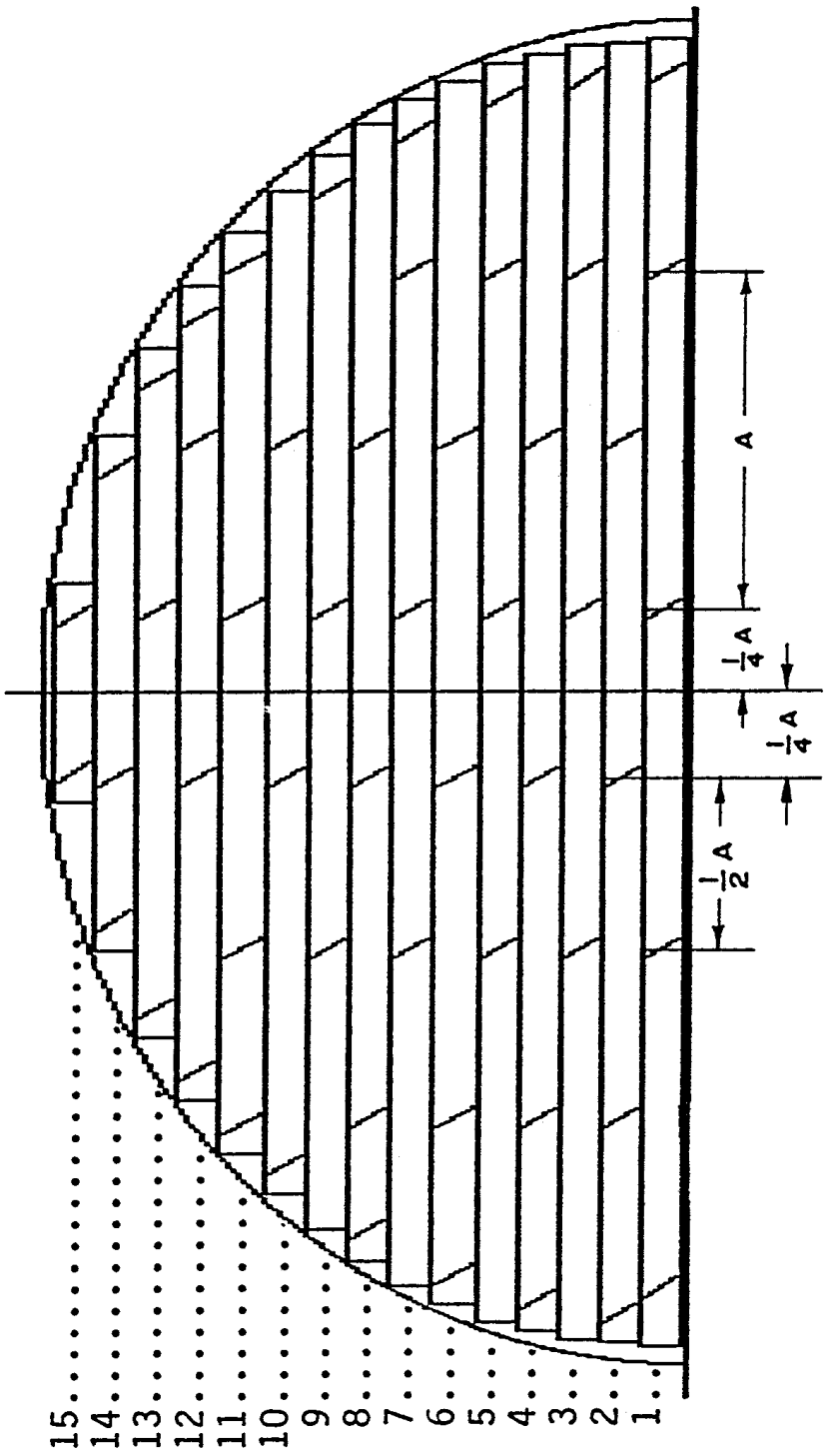
4. Lay out remaining planks of Stack No. 1. Work in descending order from plank No. 12 to plank No. 0, then open Stack No. 2 and work from largest to smallest.

See page 37 for important notes.

15' FLOOR

Stack No. 1		Stack No. 2	
Plank Number	Plank Length	Plank Number	Plank Length
	Top of stack		
12	2' 4"	12	2' 4”
11	6' 1”	11	6' 1"
10	8’ 2”		
		10	8’ 2”
9	9' 9”	9	9' 9”
8	10' 11”		
		8	10’ 11”
7	11’ 11”	7	11’ 11”
6	12’ 8”		
		6	12' 8"
5	13' 4"	5	13' 4"
4	13' 9”		
		4	13’ 9”
3	14’	3	14”
2	14' 3”		
		2	14’ 3”
1	14' 4"	1	14’ 4”
0	14’ 4”		
	Bottom of stack		

18' DIAMETER BIN – FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 18' BIN

An 18’ floor is shipped in one bundle. It will contain two identical stacks of flooring.

1. To find starter plank, see 18’ Diameter Bin Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 15, measuring 2’ 11”) is starter plank.

2. Install using applicable floor support instructions.

3. Work in descending order from plank No. 15 to plank No. 1 using applicable floor support instructions, then open Stack No. 2 and work from largest to smallest.

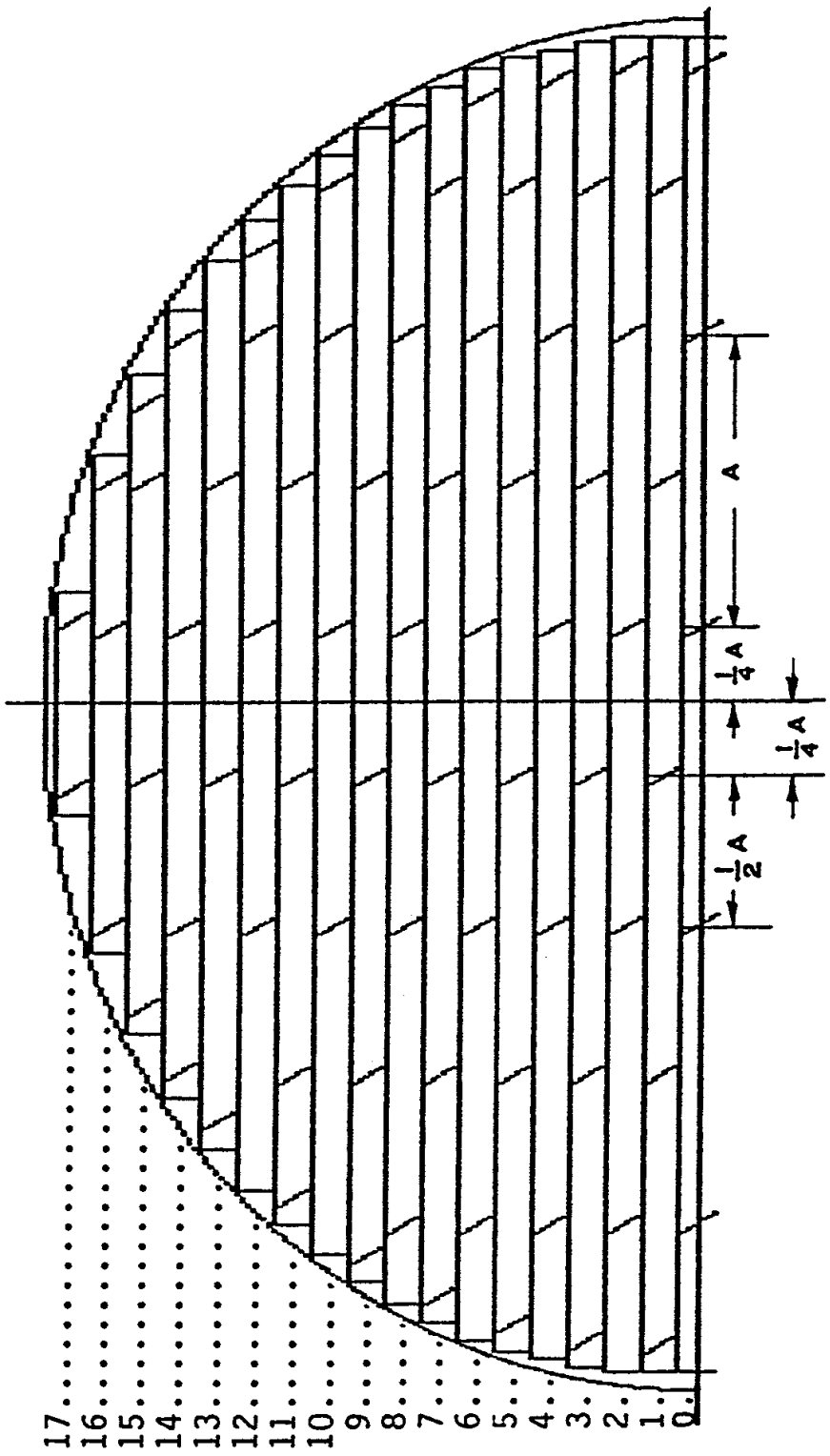
See page 37 for important notes.

18' FLOOR

Stacks No. 1 & No. 2

Plank Number	Plank Length
Top of Stack	
15	2' 11"
14	6' 10”
13	9’ 2”
12	10' 10”
11	12' 3”
10	13’ 4”
9	14’ 3”
8	15' 1"
7	15' 9”
6	16’ 3”
5	16' 8”
4	16’ 11”
3	17’ 2”
2	17’ 3”
1	17’ 4
Bottom of Stack	

21' DIAMETER BIN – FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 21' BIN

A 21’ floor is shipped in one bundle. It will contain two stacks of flooring.

1. **Label stacks as shown below by measuring top plank of each stack.**

2. To find starter plank, see 21’ Diameter Bin Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 17, measuring 3’ 5”) is starter plank.

3. Install by following applicable floor support instructions.

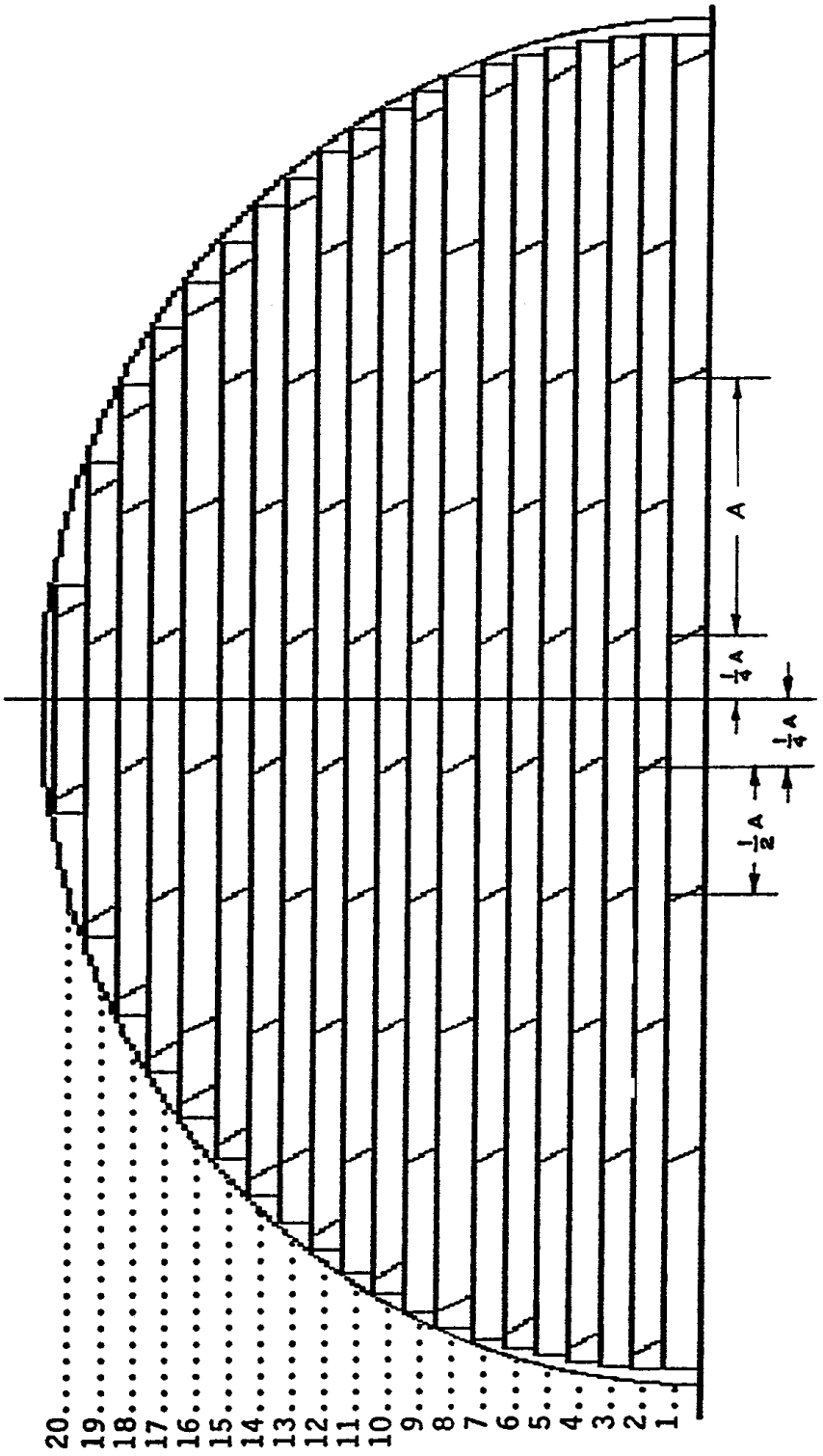
4. Lay out remaining planks of Stack No. 1. Work in descending order from plank No. 17 to plank No. 0, then open Stack No. 2 and work from largest to smallest.

See page 37 for important notes.

21' FLOOR

Stack No. 1		Stack No. 2	
Plank Number	Plank Length	Plank Length	Plank Number
	Top of Stack		
13	13’ 5”	15	10’
12	14’ 8”	14	11’ 11”
17	3’ 5”	17	3’ 5”
14	11’ 11”	16	7’ 7”
11	15’ 9”	13	13’ 5”
10	16’ 8”	12	14’ 8”
9	17’ 6”	11	15’ 9”
8	18’ 2”	10	16’ 8”
7	18’ 9”	9	17’ 6”
6	19’ 3”	8	18’ 2”
5	19’ 7”	7	18’ 9”
4	19’ 10”	6	19’ 3”
3	20’ 1”	5	19’ 7”
2	20’ 3”	4	19’ 10”
1	20’ 3”	3	20’ 1”
16	7’ 7”	2	20’ 3”
15	10’	1	20’ 3”
0	20’ 3”		
	Bottom of Stack		

24' DIAMETER BIN – FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 24' BIN

A 24’ floor is shipped in one bundle. It will contain two identical stacks of flooring.

1. To find starter plank, see 24’ Diameter Bin Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 20, measuring 4’) is starter plank.

2. Install using applicable floor support instructions.

3. Work in descending order from plank No. 20 to plank No. 1 using applicable floor support instructions, then open Stack No. 2 and work from largest to smallest.

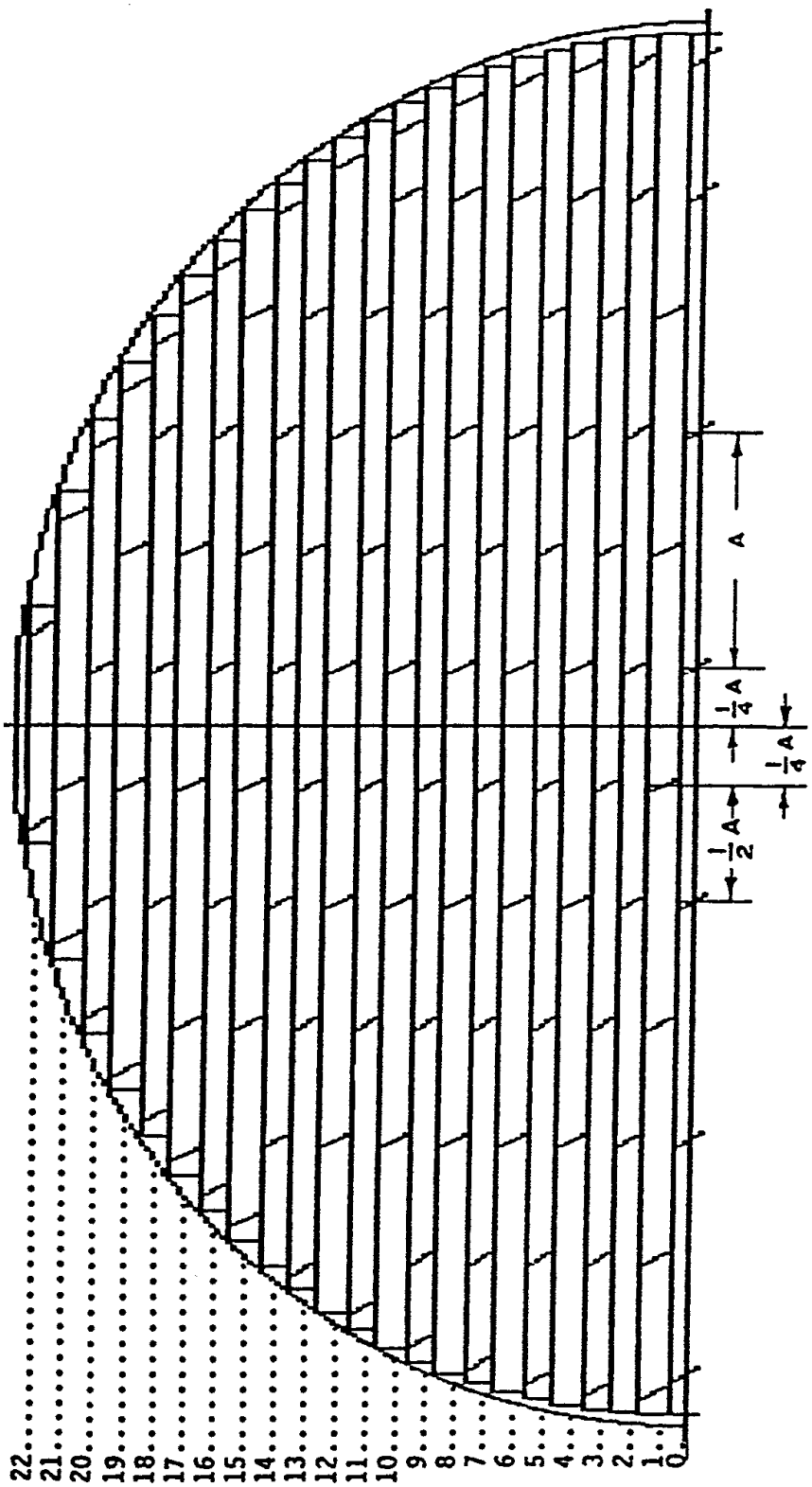
See page 37 for important notes.

24' FLOOR

Stacks No. 1 & No. 2

Plank Number	Plank Length
Top of Stack	
16	14’ 6”
15	15’ 11”
20	4'
17	12' 11”
14	17’ 2”
13	18' 2”
12	19' 1”
19	8’ 3”
18	10’ 11”
11	19’ 11”
10	20' 7"
9	21' 3”
8	21’ 9”
7	22' 2”
6	22’ 6”
5	22’ 9”
4	23’
3	23’ 2
2	23’ 3”
1	23’ 3”
Bottom of Stack	

27' DIAMETER BIN – FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 27' BIN

A 27’ floor is shipped in one bundle. It will contain two stacks of flooring.

1. **Label stacks as shown below by measuring top plank of each stack.**

2. To find starter plank, see 27’ Diameter Bin Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 22, measuring 4’ 7”) is starter plank.

3. Install by following applicable floor support instructions.

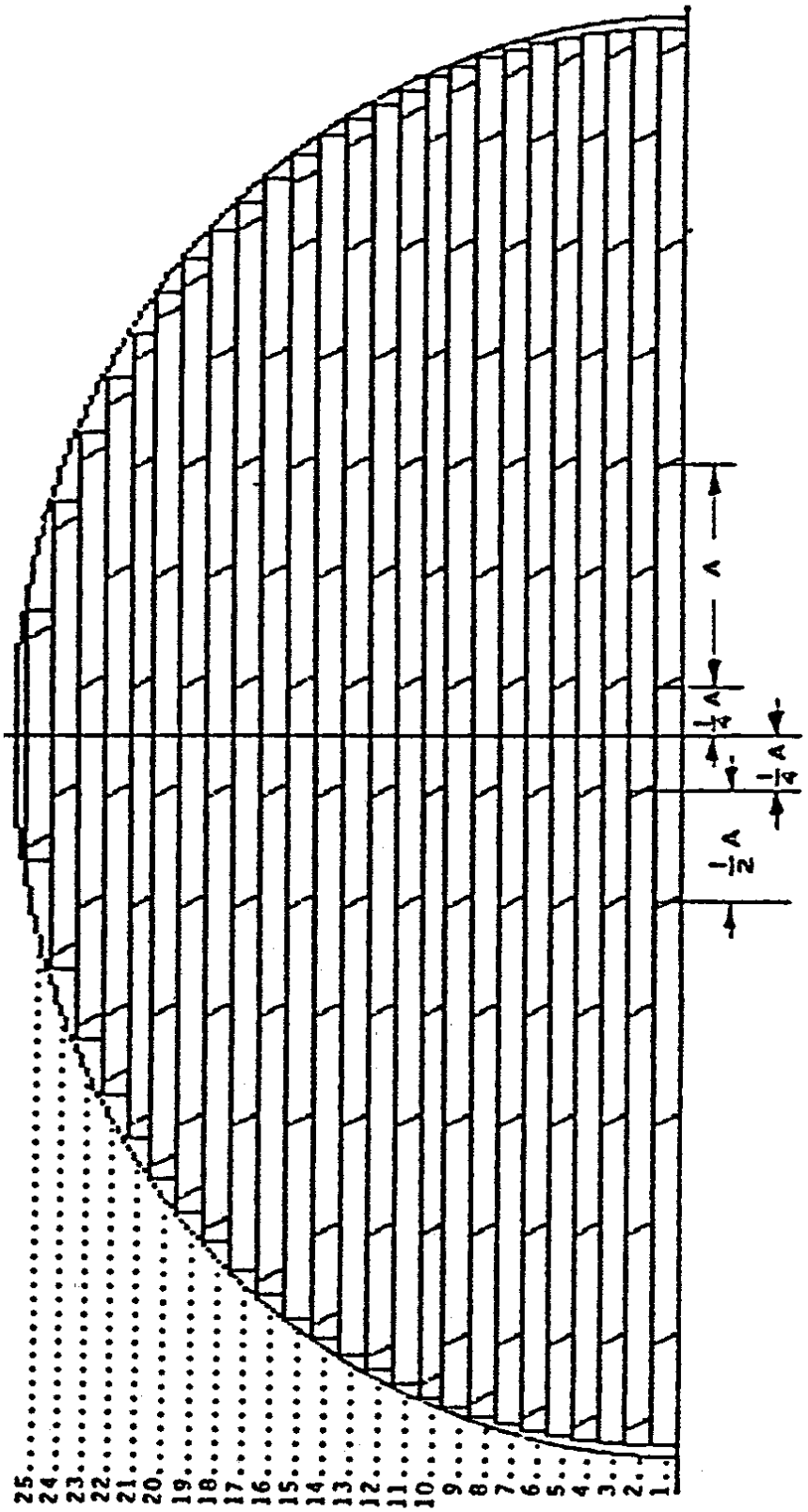
4. Lay out remaining planks of Stack No. 1. Work in descending order from plank No. 22 to plank No. 0, then open Stack No. 2 and work from largest to smallest.

See page 37 for important notes.

27' FLOOR

Stack No. 1		Stack No. 2	
Plank Number	Plank Length	Plank Length	Plank Number
	Top of Stack		
22	4’ 7”		
21	8’ 11”	22	4’ 7”
20	11’ 8”	21	8’ 11”
19	13’ 10”	20	11’ 8”
18	15’ 7”	19	13’ 10”
17	17’ 1”	18	15’ 7”
16	18’ 5”	17	17’ 1”
15	19’ 7”	16	18’ 5”
14	20’ 7”	15	19’ 7”
13	21’ 6”	14	20’ 7”
12	22’ 4”	13	21’ 6”
11	23’	12	22’ 4”’
10	23’ 8”	11	23’
9	24’ 3	10	23’ 8”
8	24’ 8”	9	24’ 3”
7	25’ 1”	8	24’ 8”
6	25’ 5”	7	25’ 1”
5	25’ 8”	6	25’ 5”
4	25’ 11”	5	25’ 8”
3	26’ 1”	4	25’ 11”
2	26’ 2”	3	26’ 1”
1	26’ 3”	2	26’ 2”
0	26’ 3”	1	26’ 3”
	Bottom of Stack		

30' DIAMETER BIN – FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 30' BIN

A 30’ floor is shipped in one bundle. It will contain two identical stacks of flooring.

1. To find starter plank, see 30’ Diameter Bin Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 25, measuring 5’ 2”) is starter plank.

2. Install using applicable floor support instructions.

3. Work in descending order from plank No. 25 to plank No. 1 using applicable floor support instructions, then open Stack No. 2 and work from largest to smallest.

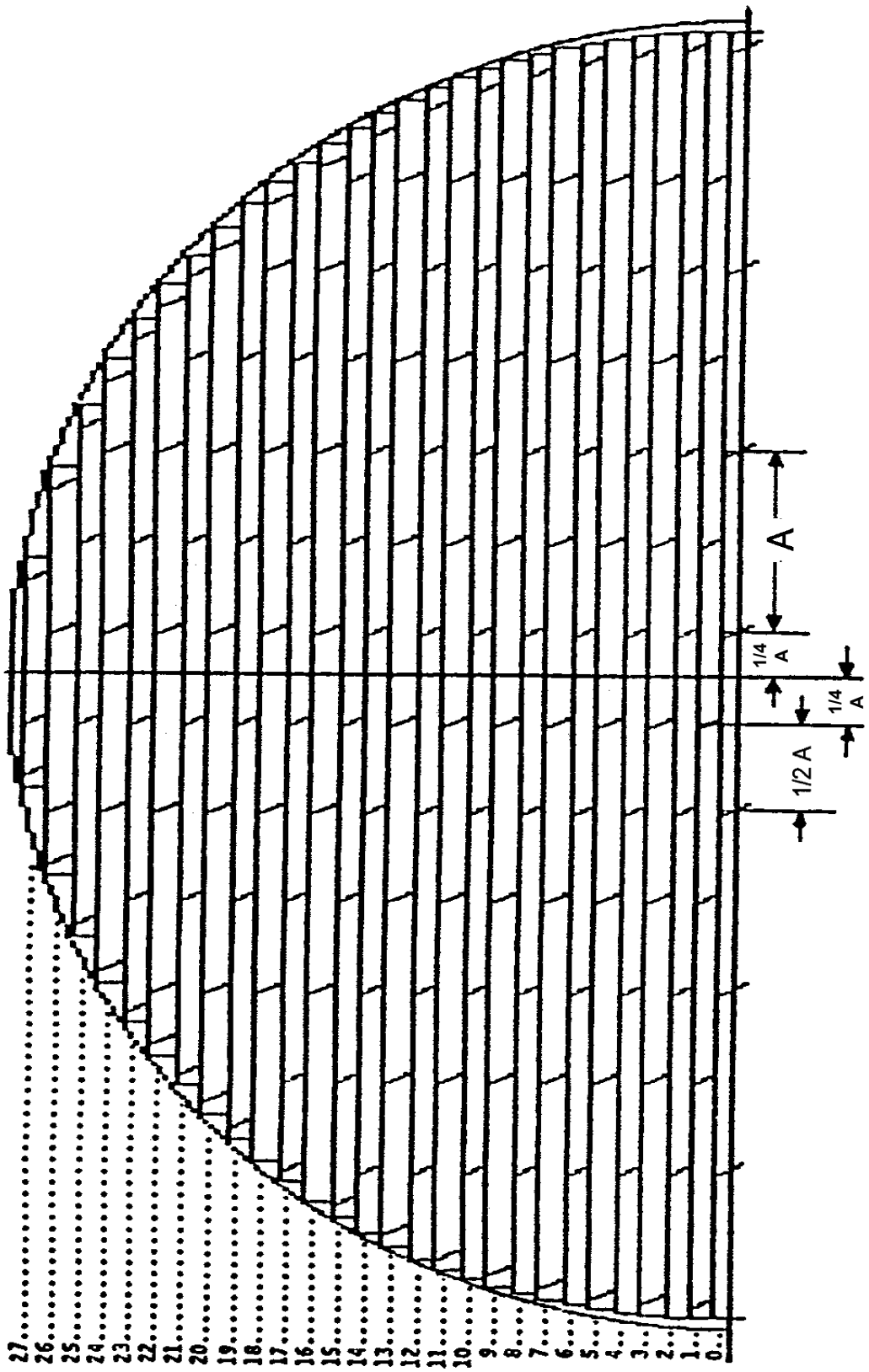
See page 37 for important notes.

30' FLOOR

Stacks No. 1 & No. 2

Plank Number	Plank Length
Top of Stack	
25	5’ 2”
24	9’ 7”
23	12’ 6”
22	14’ 9”
21	16’ 7”
20	18’ 3”
19	19’ 7”
18	20’ 10”
17	22’
16	23’
15	23’ 11”
14	24’ 9”
13	25’ 5”
12	26’ 1
11	26’ 8”
10	27’ 3”
9	27’ 8”
8	28’
7	28’ 4”
6	28’ 7”
5	28’ 10”
4	29’
3	29’1”
2	29’ 2”
1	29’ 3”
Bottom of Stack	

33' DIAMETER BIN – FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 33' BIN

A 33’ floor is shipped in two large bundles. Each will contain two smaller bundles of flooring.

1. Lay out these four bundles of flooring.

2. **Label bundles as shown below by measuring top plank of each bundle.** There will be two bundles the same length for bundles 1 through 4 – one for each half of bin.

3. To find starter plank, see 33’ Diameter Bin Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 27, measuring 5’ 9”) is starter plank. There is a Plank No. 27 in bundle No. 1 and in bundle No. 2. They are shortest planks in bundles.

4. Lay out remaining planks. Work in descending order from plank No. 27 to plank No. 0, breaking open additional bundles as needed.

See page 37 for important notes.

33' FLOOR

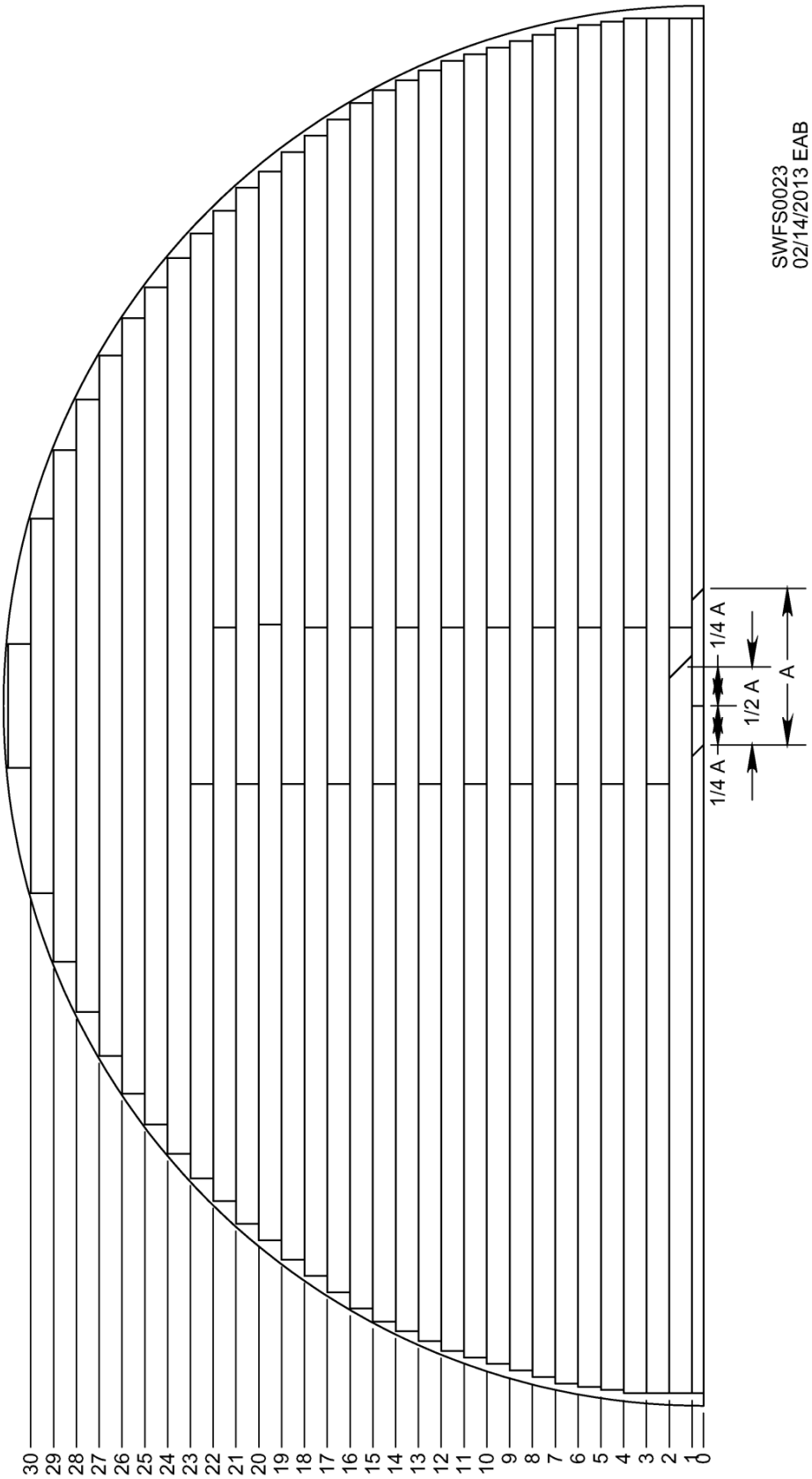
Bundle No. 1

Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle			
23	17’ 7”		
22	19’ 3”	25	13’ 3”
		24	15’ 7”
27	5’ 9”		
24	15’ 7”	27	5’ 9”
21	20’ 9”	26	10’ 3”
		23	17’ 7”
26	10’ 3”		
25	13’ 3”	22	19’ 3”
20	22’ 1”	21	20’ 9”
19	23’ 4”	20	22’ 1”
18	24’ 5”	19	23’ 4”
17	25’ 5”	18	24’ 5”
16	26’ 4”	17	25’ 5”
15	27’ 1”	16	26’ 4”
14	27’ 10”	15	27’ 1”
Bottom of Bundle			

Bundle No. 2

Plank Number	Plank Length	Plank Number	Plank Length
13	28’ 6”	14	27’ 10”
12	29” 2”	13	28’ 6”
11	29’ 9”	12	29’ 2”
10	30’ 2”	11	29’ 9”
9	30’ 7”	10	30’ 2”
8	30’ 11”	9	30’ 7”
7	31’ 3”	8	30’ 11”
6	31’ 6”	7	31’ 3”
5	31’ 9”	6	31’ 6”
4	31’ 11”	5	31’ 9”
3	32’	4	31’ 11”
2	32’ 2”	3	32’
1	32’ 2”	2	32’ 2”
0	32’ 2”	1	32’ 2”

36' DIAMETER BIN – SPLIT FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 36' BIN (SPLIT)

A 36’ floor is shipped in two large bundles. One bundle will contain four smaller bundles of flooring, the other will contain two.

1. Lay out these six bundles of flooring.

2. **Label bundles as shown below by measuring top plank of each bundle.** There will be two bundles the same length for bundles 1 through 3 – one for each half of bin.

3. To find starter plank, see 36’ Diameter Bin (split) - Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 30, measuring 3’ 2”) is starter plank. It is in bundle No. 3 and is shortest plank in bundle.

4. Lay out remaining planks. Work in descending order from plank No. 30 to plank No. 0, breaking open additional bundles as needed. Beginning with plank No. 22 (counting backward from No. 30) there are planks A and B. These are planks that have been split. Alternate between longer and shorter planks to keep seams offset from seams in adjacent planks (as shown in layout drawing).

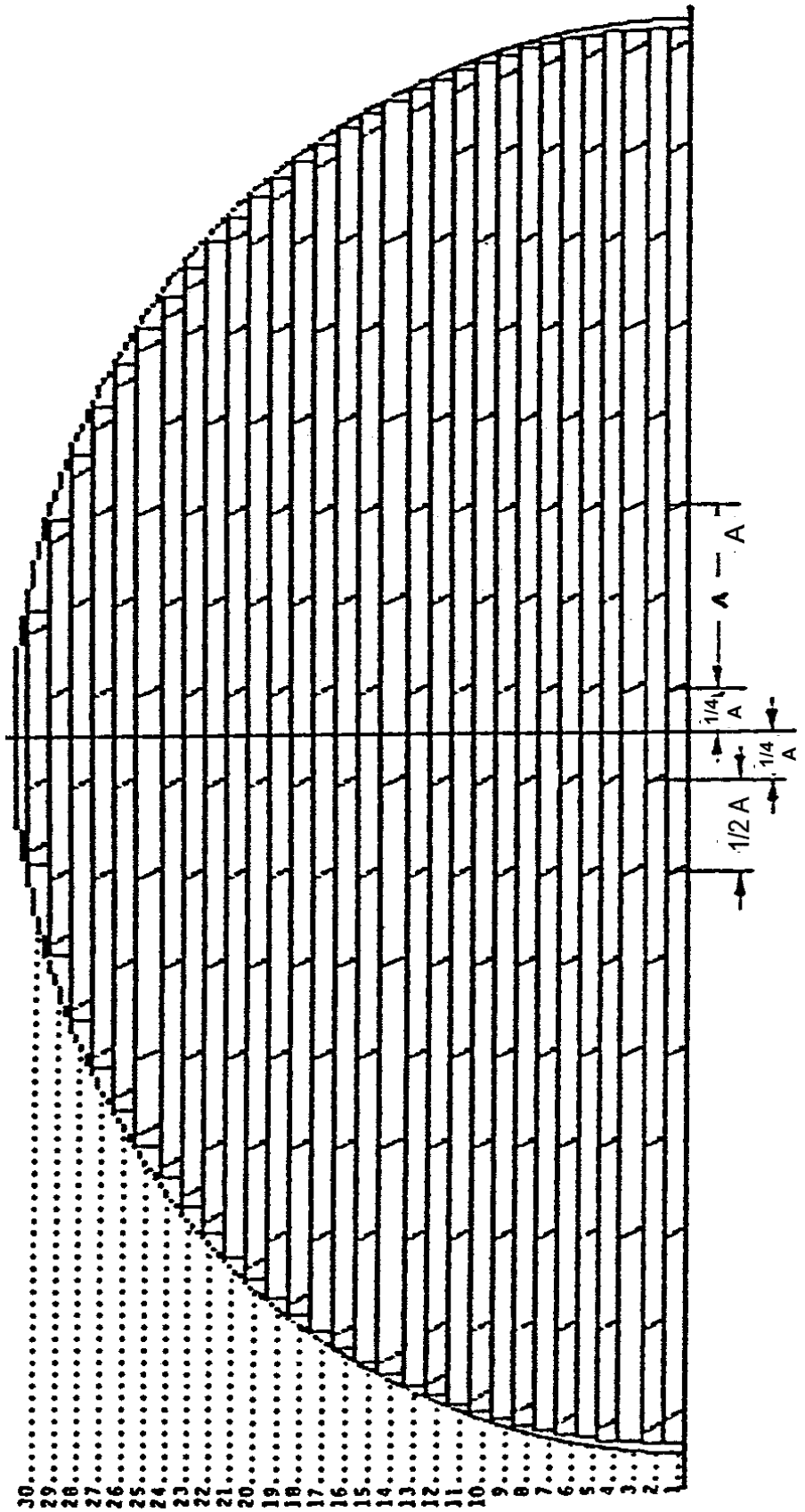
5. Complete installation by following applicable floor support instructions as well as splicing instructions on page 34.

See page 37 for important notes.

36' HAWK-CUT FLOOR (SPLIT)

Bundle No. 1		Bundle No. 2		Bundle No. 3	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle					
9A	18'10"	18A	16’ 2"	28	13' 1"
9B	14’10"	18B	12' 2”	29	9' 7"
8A	19' 0”	17A	16' 7”	22A	14’ 1”
8B	15' 0”	17B	12' 7”	22B	10' 1"
7A	19’ 2”	16A	17’ 0"	21A	14’ 8"
7B	15’ 2"	16B	13’ 0"	21B	10’ 8"
6A	19’ 4"	15A	17' 5"	20A	15' 3"
6B	15' 4"	15B	13' 5"	20B	11' 3"
5A	19’ 5"	14A	17' 9"	19A	15' 9"
5B	15' 5"	14B	13' 9"	19B	11’ 9"
4A	19' 6"	13A	18' 0"	26	17'11"
4B	15' 6"	13B	14' 0"	27	15' 8"
3A	19' 7"	12A	18' 3"	24	21' 5"
3B	15' 7"	12B	14' 3"	25	19'10"
2A	19' 7"	11A	18' 6"	23	22'11"
2B	15' 7"	11B	14' 6"	0A	17' 7"
				30	3' 2"
1A	19' 7"	10A	18’ 8"		
1B	15’ 7"	10B	14' 8"		
Bottom of Bundle					

36' DIAMETER BIN – NON-SPLIT FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 36' BIN (NON-SPLIT)

A 36’ non-split floor is shipped in two large bundles. Each large bundle will contain two smaller bundles of flooring.

1. Lay out these four bundles of flooring.

2. **Label bundles as shown below by measuring top plank of each bundle.** There will be two bundles the same length for bundles 1 through 4 – one for each half of bin.

3. To find starter plank, see 36’ Diameter Bin Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 30, measuring 6’ 3”) is starter plank. It is in bundle No. 1 and is shortest plank in bundle.

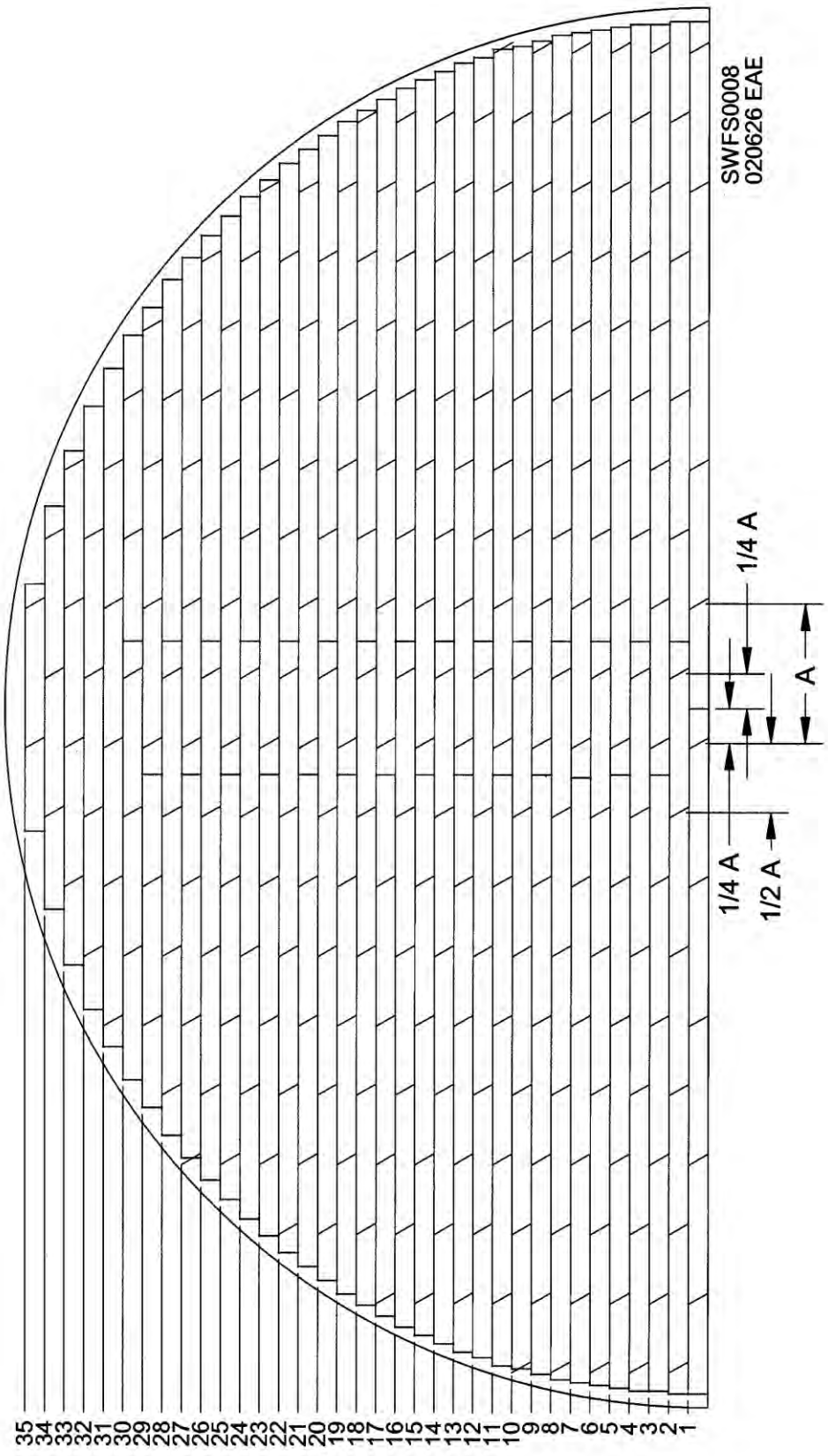
4. Lay out remaining planks. Work in descending order from plank No. 30 to plank No. 1, breaking open additional bundles as needed.

See page 37 for important notes.

36' FLOOR (NON-SPLIT)

Bundle No. 1		Bundle No. 2	
Plank Number	Plank Length	Plank Number	Plank Length
	Top of Bundle		
26	18' 6"	14	31' 7”
25	20' 4”	13	32' 2"
24	21' 11”	12	32' 8”
23	23' 4”	11	33' 2"
30	6' 3"	10	33' 6"
27	16' 5"	9	33' 10”
22	24' 7"		
		8	34' 2"
29	10' 10"	7	34' 5"
28	14'		
21	25' 9"	6	34' 8"
		5	34' 10"
20	26' 10"		
19	27’ 10”	4	35'
		3	35' 1"
18	28' 8"		
17	29’ 6”	2	35' 2"
		1	35' 2"
16	30' 3"		
15	31’		
Bottom of Bundle			

42' DIAMETER BIN – SPLIT FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 42' BIN (SPLIT)

A 42’ floor is shipped in two large bundles. Each large bundle will contain four smaller bundles of flooring.

1. Lay out these eight bundles of flooring.

2. **Label bundles as shown below by measuring top plank of each bundle.** There will be two bundles the same length for bundles 1 through 4 – one for each half of bin.

3. To find starter plank, see 42’ Diameter Bin (split) - Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 35, measuring 7’ 5”) is starter plank. It is in bundle No. 2 and is shortest plank in bundle.

4. Lay out remaining planks. Work in descending order from plank No. 35 to plank No. 1, breaking open additional bundles as needed. Beginning with plank No. 30 (counting backward from No. 35) there are planks A and B. These are planks that have been split. Alternate between longer and shorter planks to keep seams offset from seams in adjacent planks (as shown in layout drawing).

5. Complete installation by following applicable floor support instructions as well as splicing instructions on page 34.

See page 37 for important notes.

42' FLOOR (SPLIT)

Bundle No. 1		Bundle No. 2		Bundle No. 3		Bundle No. 4	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle							
8A	22' 2"	22A	18' 4"	16A	20' 7"	30A	13' 2"
8B	18' 2"	22B	14' 4"	16B	16' 7"	30B	9' 2"
7A	22' 3"	21A	18' 9"	15A	20'10"	29A	14' 0"
7B	18' 3"	21B	14' 9"	15B	16'10"	29B	10' 0"
6A	22' 4"	20A	19' 2"	14A	21' 1"	28A	14' 10"
6B	18' 4"	20B	15' 2"	14B	17' 1"	28B	10' 10"
5A	22' 5"	19A	19' 7"	13A	21' 4"	27A	15' 6"
5B	18' 5"	19B	15' 7"	13B	17' 4"	27B	11' 6"
4A	22' 6"	18A	19'11"	12A	21' 6"	26A	16' 2"
4B	18' 6"	18B	15'11"	12B	17' 6"	26B	12' 2"
3A	22' 6"	17A	20' 3"	11A	21' 9"	25A	16' 9"
3B	18' 6"	17B	16' 3"	11B	17' 9"	25B	12' 9"
2A	22' 7"	33	15' 5"	10A	21'10"	24A	17' 4"
2B	18' 7"	34	12' 1"	10B	17'10"	24B	13' 4"
		35	7' 5"				
1A	20' 7"	31	20' 4"	9A	22' 0"	23A	17'10"
1B	20' 7"	32	18' 1"	9B	18' 0"	23B	13'10"
Bottom of Bundle							

LOCATING FLOOR PLANKS NEEDED FOR 42' BIN (NON-SPLIT)

A 42’ floor is shipped in two large bundles. Each large bundle will contain two smaller bundles of flooring.

1. Lay out these four bundles of flooring.

2. **Label bundles as shown below by measuring top plank of each bundle.** There will be two bundles the same length for bundles 1 through 4 – one for each half of bin.

3. To find starter plank, see 42’ Diameter Bin (split) - Floor and Support Layout on page 56. Plank closest to sidewall (plank No. 35, measuring 7’ 5”) is starter plank. It is in bundle No. 2 and is shortest plank in bundle.

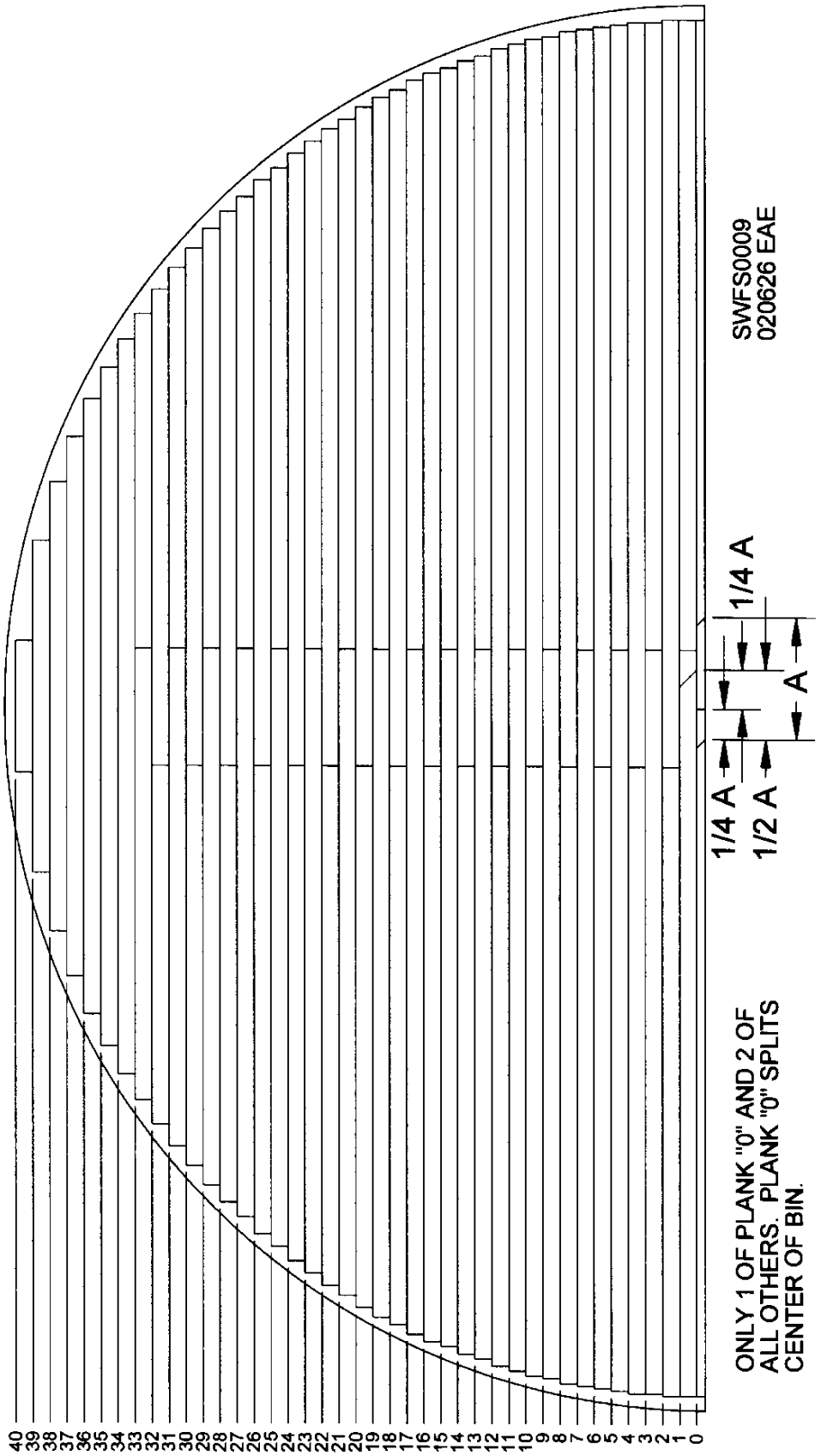
4. Lay out remaining planks. Work in descending order from plank No. 35 to plank No. 1, breaking open additional bundles as needed.

See page 37 for important notes.

42' FLOOR (NON-SPLIT)

Bundle No. 1		Bundle No. 2	
Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle			
17	36’ 6”	32	18’ 1"
18	35’ 10"	33	15’ 5”
15	37’ 8”	31	20’ 4”
16	37’ 1"	34	12’ 1”
		35	7’ 5"
13	38’ 7"		
14	38’ 2”	29	24’ 0"
		30	22’ 3"
11	39’ 5"		
12	39’ 0"	27	27’ 0"
		28	25’ 7"
9	40’ 0"		
10	39’ 8"	25	29’ 6"
		26	28’ 4"
7	40’ 6"		
8	40’ 3"	23	31’ 8"
		24	30’ 7"
5	40’ 10"		
6	40’ 8"	21	33’ 6"
		22	32’ 7"
3	41’ 0"		
4	40’ 11"	19	35’ 1"
		20	34’ 4"
1	41’ 1"		
2	41’ 1"		
Bottom of Bundle			

48' DIAMETER BIN – SPLIT FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 48' BIN (SPLIT)

A 48’ floor is shipped in two large bundles. Each large bundle will contain four smaller bundles of flooring.

1. Lay out these eight bundles of flooring.
2. Label bundles as shown below by measuring top plank of each bundle. There will be two bundles the same length for bundles 1 through 4 – one for each half of bin.
3. To find starter plank, see 48’ Diameter Bin (split) - Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 40, measuring 4’ 6”) is starter plank. It is in bundle No. 4 and is shortest plank in bundle.
4. Lay out remaining planks. Work in descending order from plank No. 40 to plank No. 0, breaking open additional bundles as needed. Beginning with plank No. 33 (counting backward from No. 40) there are planks A and B. These are planks that have been split. Alternate between longer and shorter planks to keep seams offset from seams in adjacent planks (as shown in layout drawing).
5. Complete installation by following applicable floor support instructions as well as splicing instructions on page 34.

See page 37 for important notes.

48' FLOOR (SPLIT)

Bundle No. 1		Bundle No. 2		Bundle No. 3		Bundle No. 4	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle							
9A	24' 11"	18A	23' 1"	27A	19' 5"	38	15' 4"
9B	20' 11"	18B	19' 1"	27B	15' 5"	39	11' 4"
						40	4' 6"
8A	25' 1"	17A	23' 5"	26A	20' 0"	32B	16' 3"
8B	21' 1"	17B	19' 5"	26B	16' 0"	33B	15' 5"
7A	25' 2"	16A	23' 8"	25A	20' 5"	31A	17' 0"
7B	21' 2"	16B	19' 8"	25B	16' 5"	31B	13' 0"
6A	25' 3"	15A	23' 10"	24A	20' 11"	30A	17' 8"
6B	21' 3"	15B	19' 10"	24B	16' 11"	30B	13' 8"
5A	25' 4"	14A	24' 1"	23A	21' 4"	29A	18' 4"
5B	21' 4"	14B	20' 1"	23B	17'4"	29B	14' 4"
4A	25' 5"	13A	24' 3"	22A	21' 9"	28A	18' 11"
4B	21' 5"	13B	20' 3"	22B	17' 9"	28B	14' 11"
3A	25' 5"	12A	24' 6"	21A	22' 1"	36	21' 0"
3B	21' 5"	12B	20' 6"	21B	18' 1"	37	18' 5"
2A	25' 6"	11A	24' 8"	20A	22' 6"	34	25' 1"
2B	21' 6"	11B	20' 8"	20B	18' 6"	35	23' 2"
1A	25' 6"	10A	24' 10"	19A	22' 10"	0	23' 6"
1B	21' 6"	10B	20' 10"	19B	18' 10"	32A	12' 3"
						33A	11' 5"
Bottom of Bundle							

LOCATING FLOOR PLANKS NEEDED FOR 48' BIN (NON-SPLIT)

A 48’ floor is shipped in two large bundles. Each large bundle will contain two smaller bundles of flooring.

1. Lay out these four bundles of flooring.
2. **Label bundles as shown below by measuring top plank of each bundle.**
3. To find starter plank, see 48’ Diameter Bin (split) - Floor and Support Layout on page 59. Plank closest to sidewall (plank No. 40, measuring 4’ 4”) is starter plank. It is in bundle No. 3 or 4 and is shortest plank in bundle.
4. Lay out remaining planks. Work in descending order from plank No. 40 to plank No. 0, breaking open additional bundles as needed.

See page 37 for important notes.

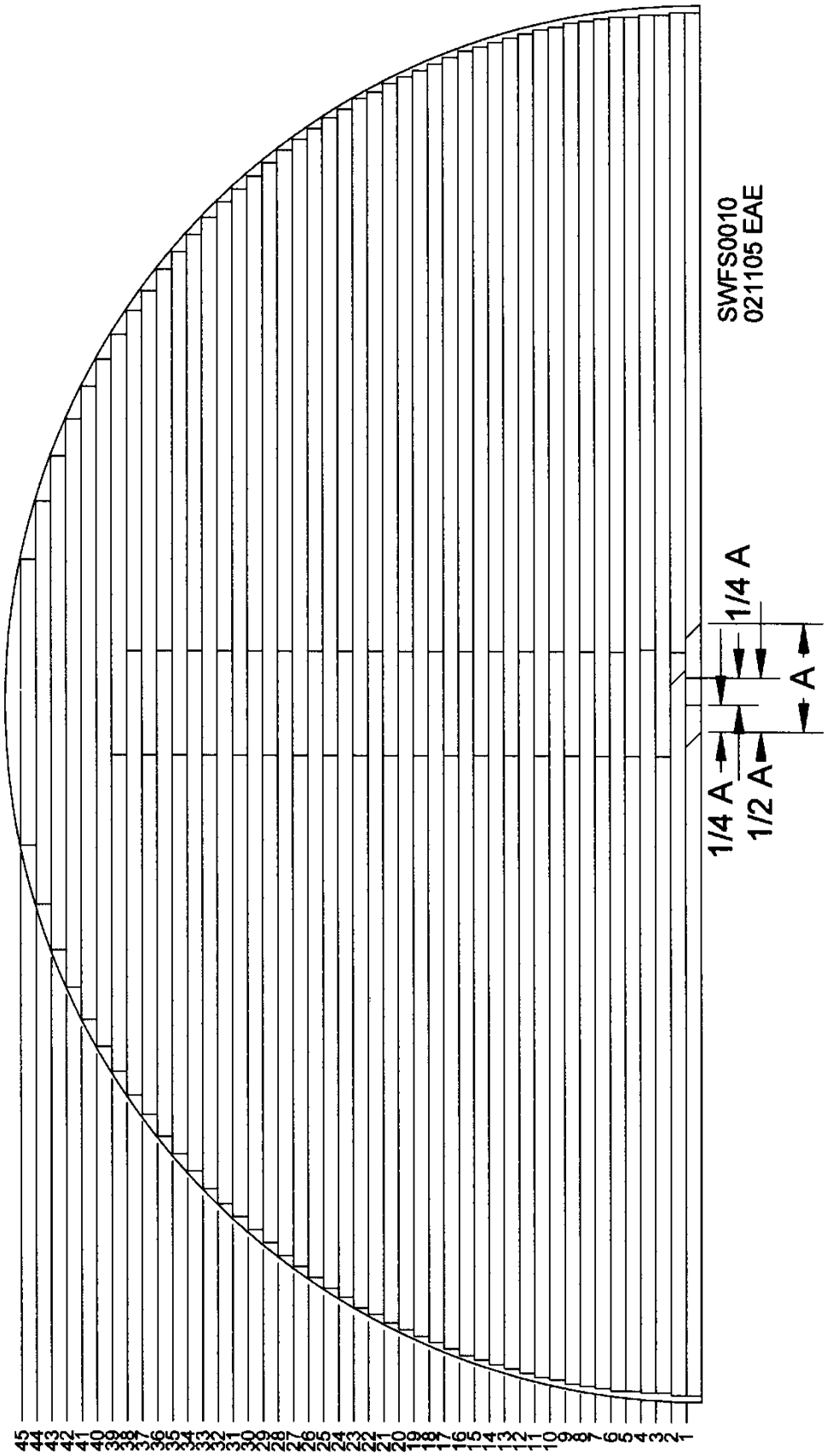
48’ FLOOR (NON-SPLIT)

Top of Bundle

Bundle No. 1		Bundle No. 2		Bundle No. 3		Bundle No. 4	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
18	42’ 3”	19	41’ 8”	40	4’ 4"	39	11’ 2”
19	41’ 8"	20	41’ 0"	38	15’ 2”	40	4’ 4"
				39	11’ 2"		
16	43’ 5”	17	42’ 10”			37	18’ 3"
17	42’ 10”	18	42’ 3”			38	15’ 2"
				36	20’ 10"		
14	44’ 3"	15	43’ 10"	37	18’ 3"	35	23’ 1"
15	43’ 10”	16	43’ 5"			36	20’ 10"
				34	25’ 1"		
12	45’ 1"	13	44’ 8"	35	23’ 1"	33	26’ 10"
13	44’ 8"	14	44’ 3"			34	25’ 1"
				32	28’ 6"		
10	45’ 8"	11	45’ 5"	33	26’ 10"	31	30’ 0"
11	45’ 5"	12	45’ 1"			32	28’ 6"
				30	31’ 4"		
8	46’ 2"	9	46’ 0"	31	30’ 0"	29	32’ 8"
9	46’ 0"	10	45’ 8"			30	31’ 4"
				28	33’ 10"		
6	46’ 7"	7	46’ 5"	29	32’ 8"	27	34’ 11"
7	46’ 5"	8	46’ 2"			28	33’ 10"
				26	36’ 0"		
4	46’ 10"	5	46’ 9"	27	34’ 11"	25	36’ 11"
5	46’ 9"	6	46’ 7"			26	36’ 0"
				24	37’ 10"		
2	47’ 0"	3	46’ 11"	25	36’ 11"	23	38’ 9"
3	46’ 11"	4	46’ 10"			24	37’ 10"
				22	39’ 6"		
0	47’ 0"	1	47’ 0"	23	38’ 9"	21	40’ 3"
1	47’ 0"	2	47’ 0"			22	39’ 6"
				20	41’ 0”		
				21	40’ 3"		

Bottom of Bundle

54' DIAMETER BIN – SPLIT FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 54' BIN (SPLIT)

A 54' floor is shipped in two large bundles. Each large bundle will contain four smaller bundles of flooring.

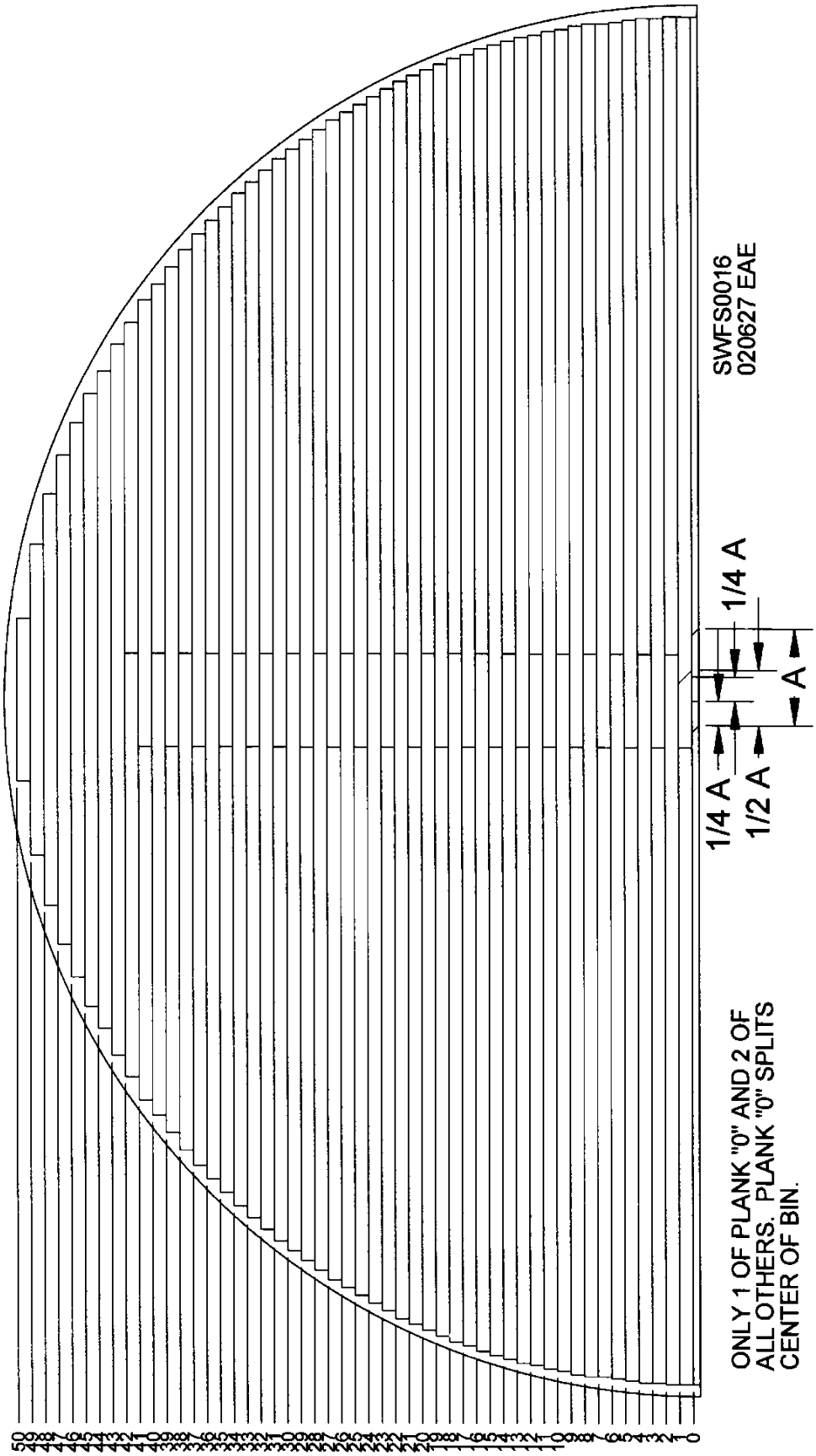
1. Lay out these eight bundles of flooring.
2. **Label bundles as shown below by measuring top plank of each bundle.** There will be two bundles the same length for bundles 1 through 4 – one for each half of bin.
3. To find starter plank, look at 54' Diameter Bin (split) - Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 45, measuring 11' 0") is starter plank. It is in bundle No. 4 and is shortest plank in bundle.
4. Lay out remaining planks. Work in descending order from plank No. 45 to plank No. 1, breaking open additional bundles as needed. Beginning with plank No. 39 (counting backward from No. 45) there are planks A and B. These are planks that have been split. Alternate between longer and shorter planks to keep seams offset from seams in adjacent planks (as shown in layout drawing).
5. Complete installation by following applicable floor support instructions as well as splicing instructions on page 34.

54' FLOOR (SPLIT)

Bundle No. 1		Bundle No. 2		Bundle No. 3		Bundle No. 4	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle							
11A	27’ 11"	22A	25’ 6”	32A	21’ 3"	44	15’ 6”
11B	23’ 11"	22B	21’ 6”	32B	17’ 3"	45	11’ 0"
10A	28’ 0"	21A	25’ 10"	31A	21’ 9"	39A	16’ 2"
10B	24’ 0"	21B	21’ 10"	31B	17’ 9"	39B	12’ 2"
9A	28’ 2"	20A	26’ 1"	30A	22’ 3"	38A	17’ 1"
9B	24’ 2"	20B	22’ 1"	30B	18’ 3"	38B	13’ 1"
8A	28’ 3"	19A	26’ 4"	29A	22’ 9"	37A	17’ 10"
8B	24’ 3"	19B	22’ 4"	29B	18’ 9"	37B	13’ 10"
7A	28’ 4"	18A	26’ 7"	28A	23’ 3"	36A	18’ 8"
7B	24’ 4"	18B	22’ 7"	28B	19’ 3"	36B	14’ 8"
6A	28’ 5"	17A	26’ 10"	27A	23’ 8"	35A	19’ 4"
6B	24’ 5"	17B	22’ 10"	27B	19’ 8"	35B	15’ 4"
5A	28’ 5"	16A	27’ 1"	26A	24’ 1"	34A	20’ 0"
5B	24’ 5"	16B	23’ 1"	26B	20’ 1"	34B	16’ 0"
4A	28’ 6"	15A	27’ 3"	25A	24’ 6"	33A	20’ 8"
4B	24’ 6"	15B	23’ 3"	25B	20’ 6"	33B	16’ 8"
3A	28’ 6"	14A	27’ 5"	24A	24’ 10"	42	21’ 10”
3B	24’ 6"	14B	23’ 5"	24B	20’ 10"	43	19’ 0"
2A	28’ 7"	13A	27’ 7"	23A	25’ 3"	40	26’ 5"
2B	24’ 7"	13B	23’ 7"	23B	21’ 3"	41	24’ 4"
1A	26’ 7"	12A	27’ 9"				
1B	26’ 7"	12B	23’ 9"				
Bottom of Bundle							

See page 37 for important notes.

60' DIAMETER BIN – SPLIT FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 60' BIN (SPLIT)

A 60' floor is shipped in three large bundles. Two of these large bundles will contain four smaller bundles of flooring, and one bundle will contain two smaller bundles.

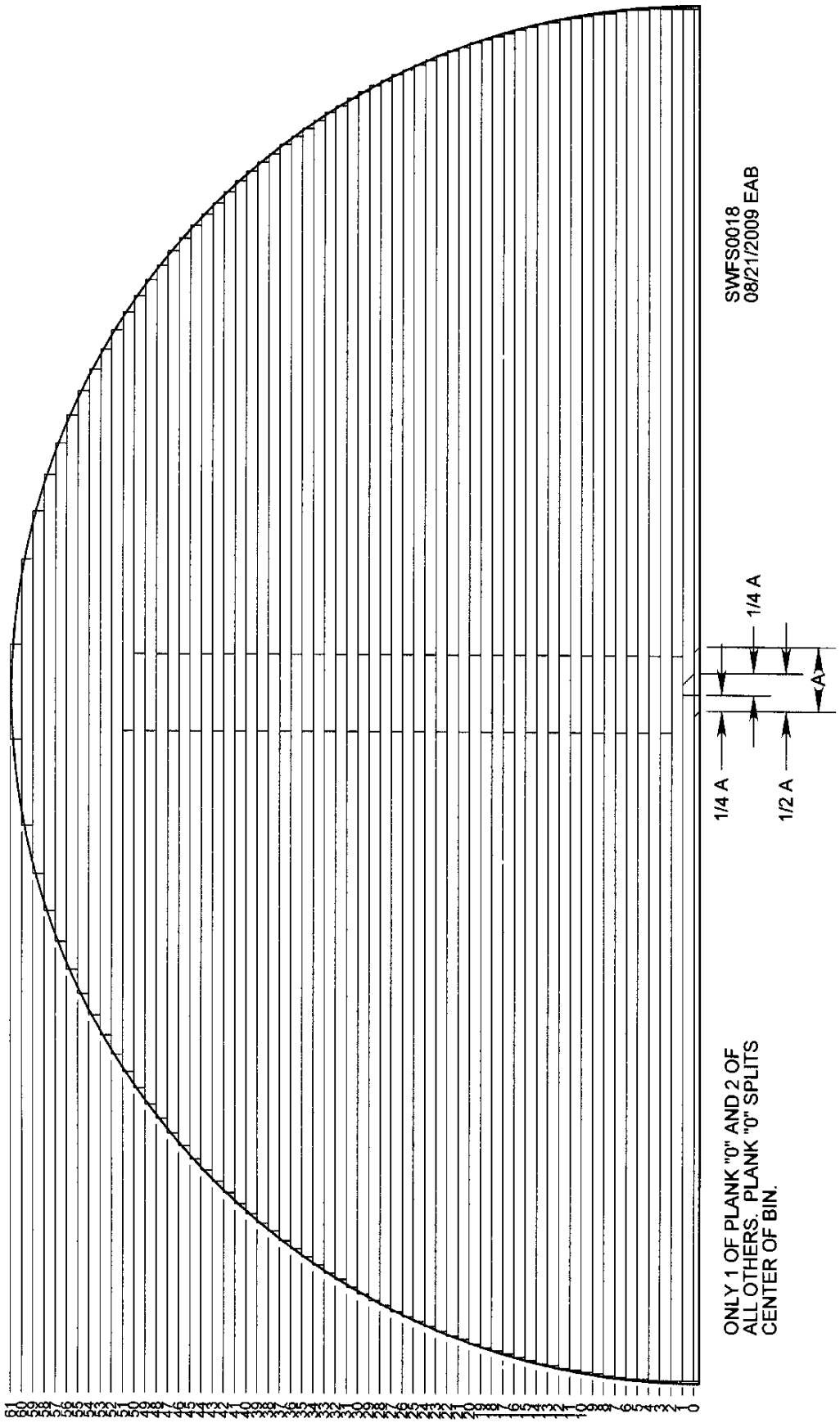
1. Lay out these 10 bundles of flooring.
2. **Label bundles as shown below by measuring top plank of each bundle.** There will be two bundles the same length for bundles 1 through 4 – one for each half of bin. Label remaining two bundles No. 5 and No. 6 according to plank lengths below.
3. To find starter plank, see 60' Diameter Bin (split) - Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 50, measuring 7' 0") is starter plank. It is in bundle No. 6 and is shortest plank in bundle.
4. Lay out remaining planks. Work in descending order from plank No. 50 to plank No. 0, breaking open additional bundles as needed. Beginning with plank No. 42 (counting backward from No. 50) there are planks A and B. These are planks that have been split. Alternate between longer and shorter planks to keep seams offset from seams in adjacent planks (as shown in layout drawing).
5. Complete installation by following applicable floor support instructions as well as splicing instructions on page 34.

60' FLOOR (SPLIT)

Bundle No.1		Bundle No. 2		Bundle No. 3		Bundle No. 4		Bundle No. 5		Bundle No. 6	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle											
10A	30’ 11"	20A	29’ 2"	30A	25’ 9"	40A	19’ 11"	42B	14’ 3"	41B	15’ 3"
10B	26’ 11"	20B	25’ 2"	30B	21’ 9"	40B	15’ 11"	42B	14’ 3"	41B	15’ 3"
9A	31’ 1"	19A	29’ 5"	29A	26’ 2"	39A	20’ 8"	42A	18’ 3"	48	17’ 9"
9B	27’ 1"	19B	25’ 5"	29B	22’ 2"	39B	16’ 8"	42A	18’ 3"	48	17’ 9"
8A	31’ 2"	18A	29’ 8"	28A	26’ 7"	38A	21’ 5"	41A	19’ 2"	47	21’ 1"
8B	27’ 2"	18B	25’ 8"	28B	22’ 7"	38B	17’ 5"	41A	19’ 2"	49	13’ 5"
										50	7’ 0"
7A	31’ 2"	17A	29’ 10"	27A	27’ 0"	37A	22’ 1"	47	21’ 1"		
7B	27’ 2"	17B	25’ 10"	27B	23’ 0"	37B	18’ 1"	49	13’ 5"	46	23’ 11"
								50	7’ 0"	46	23’ 11"
6A	31’ 3"	16A	30’ 1"	26A	27’ 4"	36A	22’ 8"				
6B	27’ 3"	16B	26’ 1"	26B	23’ 4"	36B	18’ 8"	44	28’ 4"	45	26’ 5"
								44	28’ 4"	45	26’ 5"
5A	31’ 4"	15A	30’ 3"	25A	27’ 8"	35A	23’ 3"				
5B	27’ 4"	15B	26’ 3"	25B	23’ 8"	35B	19’ 3"	0A	29’ 6"	43	30’ 8"
								0B	29’ 6"	43	30’ 8"
4A	31’ 5"	14A	30’ 5"	24A	28’ 0"	34A	23’ 10"				
4B	27’ 5"	14B	26’ 5"	24B	24’ 0"	34B	19’ 10"				
3A	31’ 5"	13A	30’ 7"	23A	28’ 4"	33A	24’ 4"				
3B	27’ 5"	13B	26’ 7"	23B	24’ 4"	33B	20’ 4"				
2A	31’ 6"	12A	30’ 8"	22A	28’ 8"	32A	24’ 10"				
2B	27’ 6"	12B	26’ 8"	22B	24’ 8"	32B	20’ 10"				
1A	31’ 6"	11A	30’ 10"	21A	28’ 11"	31A	25’ 4"				
1B	27’ 6"	11B	26’ 10"	21B	24’ 11"	31B	21’ 4"				
Bottom of Bundle											

See page 37 for important notes.

72' DIAMETER BIN – SPLIT FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 72' BIN (SPLIT)

A 72' floor is shipped in six large bundles. Each large bundle will contain two smaller bundles of flooring.

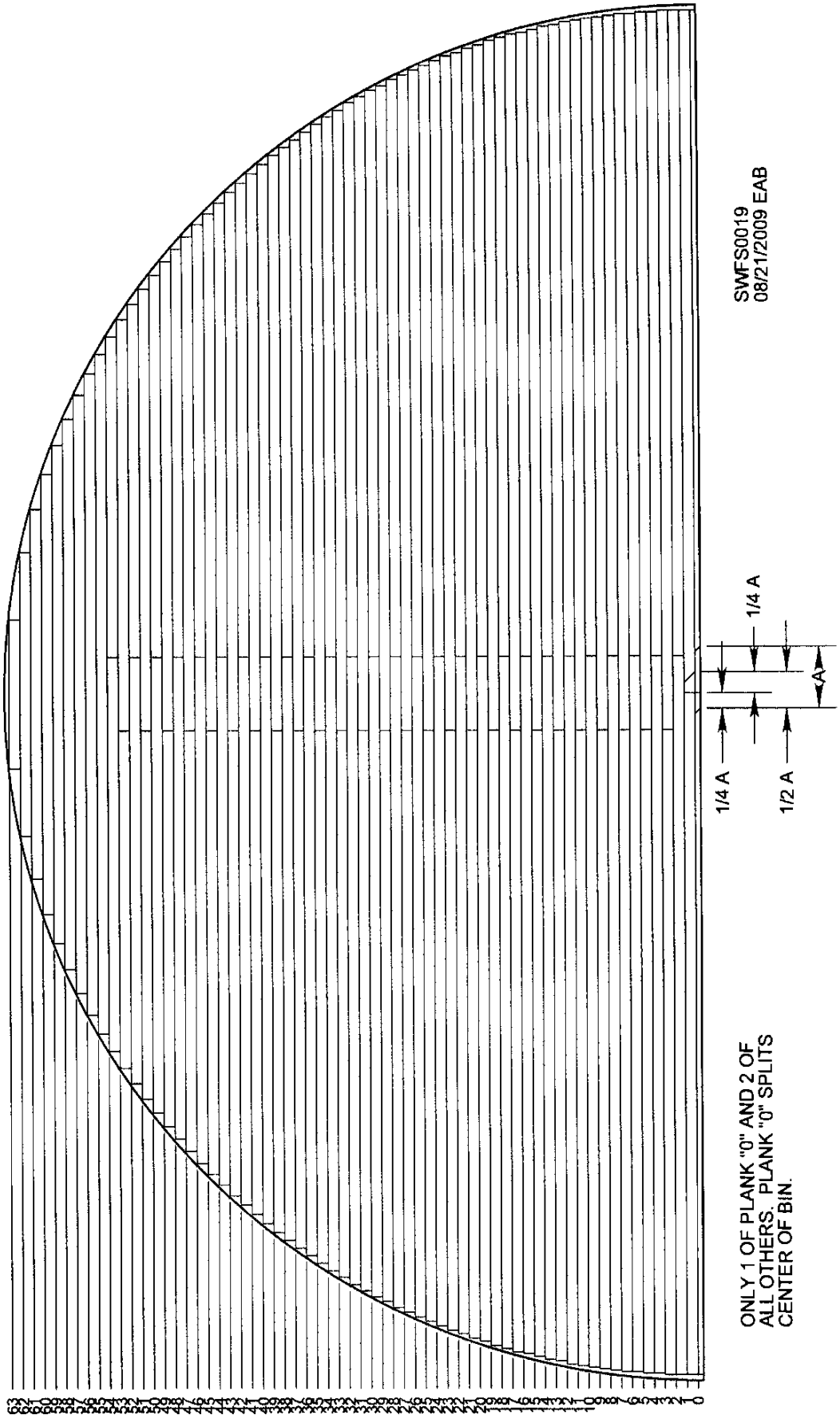
1. Lay out these 12 bundles of flooring.
2. **Label bundles as shown below by measuring top plank of each bundle.** There will be two bundles the same length for bundles 1 through 6–one for each half of bin.
3. To find starter plank, see 72' Diameter Bin (split) - Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 61, measuring 4' 11") is starter plank. It is in bundle No. 6 and is shortest plank in bundle.
4. Lay out remaining planks. Work in descending order from plank No. 61 to plank No. 0, breaking open additional bundles as needed. Beginning with plank No. 51 (counting backward from No. 61) there are planks A and B. These are planks that have been split. Alternate between longer and shorter planks to keep seams offset from seams in adjacent planks (as shown in layout drawing).
5. Complete installation by following applicable floor support instructions as well as splicing instructions on page 34.

72' FLOOR (SPLIT)

Bundle No.1		Bundle No. 2		Bundle No. 3		Bundle No. 4		Bundle No. 5		Bundle No. 6	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle											
10A	33’ 3"	20A	31’ 10"	30A	29’ 3"	40A	25’ 1"	48A	20’ 2"	59	18’ 10"
10B	37’ 3"	20B	35’ 10"	30B	33’ 3"	40B	29’ 1"	48B	24’ 2"	60	13’ 10"
										61	4’ 11"
9A	33’ 4"	19A	32’ 0"	29A	29’ 7"	39A	25’ 7"	47A	20’ 11"		
9B	37’ 4"	19B	36’ 0"	29B	33’ 7"	39B	29’ 7"	47B	24’ 11"	51A	17’ 9"
										51B	21’ 9"
8A	33’ 5"	18A	32’ 2"	28A	29’ 10"	38A	26’ 0"	46A	21’ 7"		
8B	37’ 5"	18B	36’ 2"	28B	33’ 10"	38B	30’ 0"	46B	25’ 7"	50A	18’ 7"
										50B	22’ 7"
7A	33’ 6"	17A	32’ 4"	27A	30’ 2"	37A	26’ 6"	45A	22’ 3"		
7B	37’ 6"	17B	36’ 4"	27B	34’ 2"	37B	30’ 6"	45B	26’ 3"	49A	19’ 5"
										49B	23’ 5"
6A	33’ 7"	16A	32’ 6"	26A	30’ 5"	36A	26’ 11"	44A	22’ 10"		
6B	37’ 7"	16B	36’ 6"	26B	34’ 5"	36B	30’ 11"	44B	26’ 10"	57	25’ 11"
										58	22’ 8"
5A	33’ 7"	15A	32’ 8"	25A	30’ 8"	35A	27’ 4"	43A	23’ 5"		
5B	37’ 7"	15B	36’ 8"	25B	34’ 8"	35B	31’ 4"	43B	27’ 5"	55	31’ 4"
										56	28’ 10"
4A	33’ 8"	14A	32’ 10"	24A	30’ 11"	34A	27’ 9"	42A	24’ 0"		
4B	37’ 8"	14B	36’ 10"	24B	34’ 11"	34B	31’ 9"	42B	28’ 0"	53	35’ 8"
										54	33’ 7"
3A	33’ 8"	13A	32’ 11"	23A	31’ 2"	33A	28’ 2"	41A	24’ 7"		
3B	37’ 8"	13B	36’ 11"	23B	35’ 2"	33B	32’ 2"	41B	28’ 7"	52	37’ 8"
										0A	35’ 8"
2A	33’ 8"	12A	33’ 1"	22A	31’ 5"	32A	28’ 6"				
2B	37’ 8"	12B	37’ 1"	22B	35’ 5"	32B	32’ 6"				
1A	35’ 8"	11A	33’ 2"	21A	31’ 7"	31A	28’ 11"				
1B	35’ 8"	11B	37’ 2"	21B	35’ 7"	31B	32’ 11"				
Bottom of Bundle											

See page 37 for important notes.

75' DIAMETER BIN – SPLIT FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 75' BIN (SPLIT)

A 75' floor is shipped in six large bundles. Each large bundle will contain two smaller bundles of flooring.

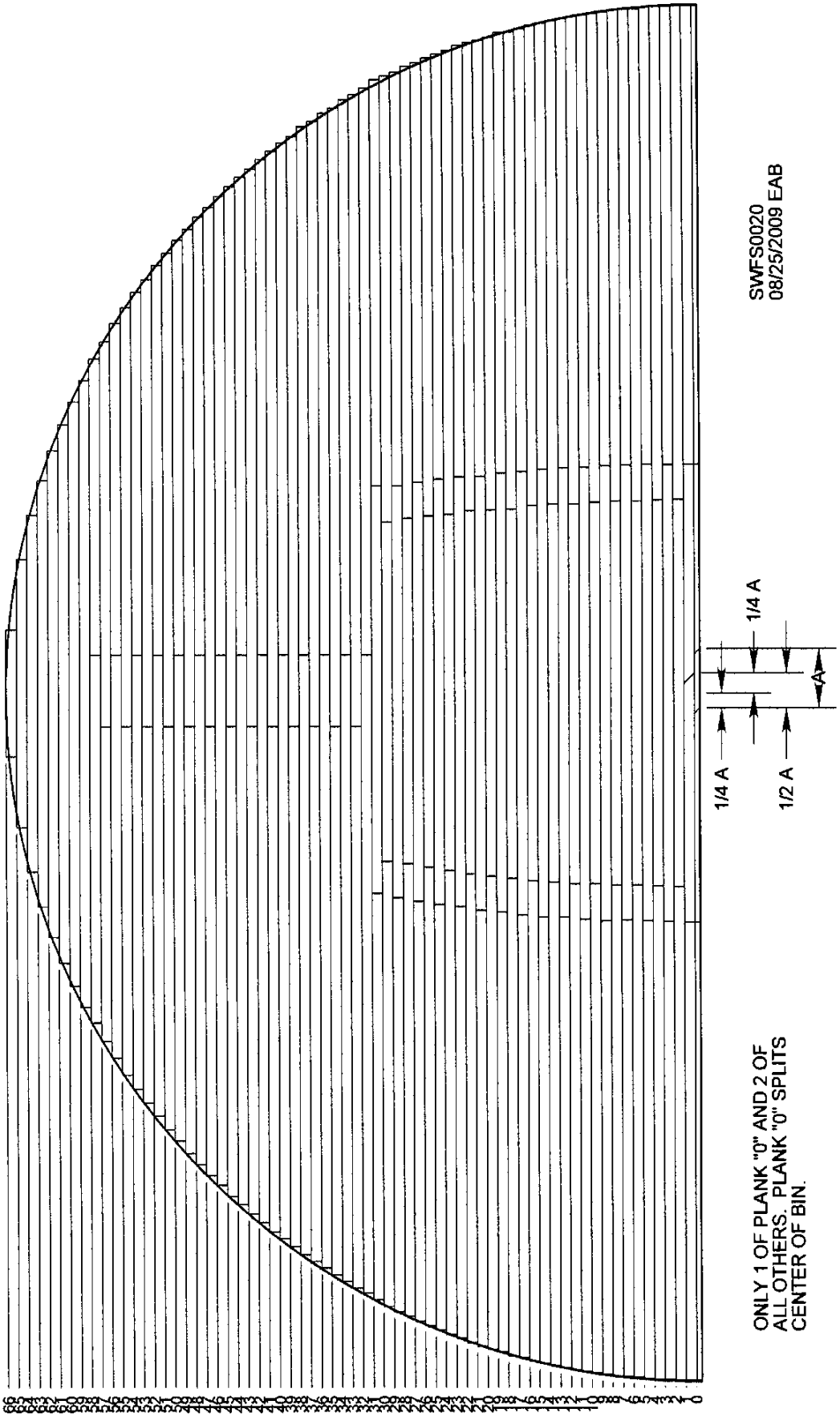
1. Lay out these 12 bundles of flooring.
2. **Label bundles as shown below by measuring top plank of each bundle.** There will be two bundles the same length for bundles 1 through 6 – one for each half of bin.
3. To find starter plank, see 75' Diameter Bin (split) - Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 63, measuring 8' 1") is starter plank. It is in bundle No. 6 and is shortest plank in bundle.
4. Lay out remaining planks. Work in descending order from plank No. 63 to plank No. 0, breaking open additional bundles as needed. Beginning with plank No. 54 (counting backward from No. 63) there are planks A and B. These are planks that have been split. Alternate between longer and shorter planks to keep seams offset from seams in adjacent planks (as shown in layout drawing).
5. Complete installation by following applicable floor support instructions as well as splicing instructions on page 34.

75' FLOOR (SPLIT)

Bundle No.1		Bundle No. 2		Bundle No. 3		Bundle No. 4		Bundle No. 5		Bundle No. 6	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle											
10A	34’ 7"	20A	33’ 2"	30A	30’ 9"	40A	26’ 9"	50A	20’ 9"	62	15’ 5"
10B	38’ 7"	20B	37’ 2"	30B	34’ 9"	40B	30’ 9"	50B	24’ 9"	63	8’ 1"
9A	34’ 8"	19A	33’ 5"	29A	31’ 0"	39A	27’ 3"	49A	21’ 6"	54A	17’ 5"
9B	38’ 8"	19B	37’ 5"	29B	35’ 0"	39B	31’ 3"	49B	25’ 6"	54B	21’ 5"
8A	34’ 9"	18A	33’ 7"	28A	31’ 4"	38A	27’ 8"	48A	22’ 2"	53A	18’ 4"
8B	38’ 9"	18B	37’ 7"	28B	35’ 4"	38B	31’ 8"	48B	26’ 2"	53B	22’ 4"
7A	34’ 10"	17A	33’ 9"	27A	31’ 7"	37A	28’ 1"	47A	22’ 10"	52A	19’ 2"
7B	38’ 10"	17B	37’ 9"	27B	35’ 7"	37B	32’ 1"	47B	26’ 10"	52B	23’ 2"
6A	34’ 10"	16A	33’ 10"	26A	31’ 10"	36A	28’ 6"	46A	23’ 6"	51A	20’ 0"
6B	38’ 10"	16B	37’ 10"	26B	35’ 10"	36B	32’ 6"	46B	27’ 6"	51B	24’ 0"
5A	34’ 11"	15A	34’ 0"	25A	32’ 1"	35A	28’ 11"	45A	24’ 1"	60	23’ 11"
5B	38’ 11"	15B	38’ 0"	25B	36’ 1"	35B	32’ 11"	45B	28’ 1"	61	20’ 1"
4A	34’ 11"	14A	34’ 2"	24A	32’ 4"	34A	29’ 4"	44A	24’ 8"	58	29’ 11"
4B	38’ 11"	14B	38’ 2"	24B	36’ 4"	34B	33’ 4"	44B	28’ 8"	59	27’ 1"
3A	35’ 0"	13A	34’ 3"	23A	32’ 7"	33A	29’ 8"	43A	25’ 3"	56	34’ 10"
3B	39’ 0"	13B	38’ 3"	23B	36’ 7"	33B	33’ 8"	43B	29’ 3"	57	32’ 6"
2A	35’ 0"	12A	34’ 5"	22A	32’ 9"	32A	30’ 1"	42A	25’ 9"	55	36’ 11"
2B	39’ 0"	12B	38’ 5"	22B	36’ 9"	32B	34’ 1"	42B	29’ 9"	0A	37’ 0"
1A	37’ 0"	11A	34’ 6"	21A	33’ 0"	31A	30’ 5"	41A	26’ 3"		
1B	37’ 0"	11B	38’ 6"	21B	37’ 0"	31B	34’ 5"	41B	30’ 3"		
Bottom of Bundle											

See page 37 for important notes.

78' DIAMETER BIN –SPLIT FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 78' BIN (SPLIT)

A 78' floor is shipped in five large bundles. Three of these bundles will contain four smaller bundles of flooring, one large bundle will contain two smaller bundles, and one large bundle will contain three smaller bundles.

1. Lay out these 17 bundles of flooring.
2. **Label bundles as shown below and on next page by measuring top plank of each bundle.** Bundle Nos. 1 through 8 will each have two bundles the same length – one for each half of bin. Label the remaining bundle No. 9, corresponding with top plank length listed on next page.
3. To find starter plank, see 78' Diameter Bin (split) - Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 66, measuring 7' 2") is starter plank. It is in bundle No. 9 and is shortest plank in bundle.
4. Lay out remaining planks. Work in descending order from plank No. 66 to plank No. 0, breaking open additional bundles as needed. Beginning with plank No. 58 (counting backward from No. 66) there are planks A and B, and beginning with plank No. 31 there are planks A, B and C. These are planks that have been split. Alternate between longer and shorter planks to keep seams offset from seams in adjacent planks (as shown in layout drawing).
5. Complete installation by following applicable floor support instructions as well as splicing instructions on page 34.

78' FLOOR (SPLIT)

Bundle No.1		Bundle No. 2		Bundle No. 3		Bundle No. 4		Bundle No. 5	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle									
6A	21' 8"	12A	21' 5"	18A	20' 10"	24A	20' 1"	30A	19' 2"
6B	27' 9"	12B	27' 5"	18B	26' 11"	24B	26' 2"	30B	25' 2"
6C	27' 9"	12C	27' 6"	18C	26' 11"	24C	26' 2"	30C	25' 1"
5A	25' 10"	11A	25' 6"	17A	25' 0"	23A	24' 4"	29A	23' 4"
5B	25' 9"	11B	25' 6"	17B	25' 0"	23B	24' 4"	29B	23' 4"
5C	25' 9"	11C	25' 6"	17C	25' 0"	23C	24' 3"	29C	23' 3"
4A	21' 9"	10A	21' 6"	16A	21' 2"	22A	20' 6"	28A	19' 6"
4B	27' 10"	10B	27' 7"	16B	27' 1"	22B	26' 5"	28B	25' 6"
4C	27' 10"	10C	27' 7"	16C	27' 1"	22C	26' 5"	28C	25' 6"
3A	25' 10"	9A	25' 8"	15A	25' 2"	21A	24' 7"	27A	23' 8"
3B	25' 10"	9B	25' 7"	15B	25' 2"	21B	24' 7"	27B	23' 8"
3C	25' 9"	9C	25' 7"	15C	25' 3"	21C	24' 6"	27C	23' 8"
2A	21' 10"	8A	27' 8"	14A	21' 4"	20A	20' 8"	26A	19' 10"
2B	27' 10"	8B	27' 8"	14B	27' 3"	20B	26' 8"	26B	25' 10"
2C	27' 10"	8C	21' 8"	14C	27' 3"	20C	26' 8"	26C	25' 10"
1A	25' 10"	7A	25' 9"	13A	25' 5"	19A	24' 10"	25A	24' 0"
1B	25' 10"	7B	25' 8"	13B	25' 5"	19B	24' 10"	25B	24' 0"
1C	25' 10"	7C	25' 8"	13C	25' 4"	19C	24' 9"	25C	24' 0"
Bottom of Bundle									

See next page for Bundles 6-9

See page 37 for important notes.

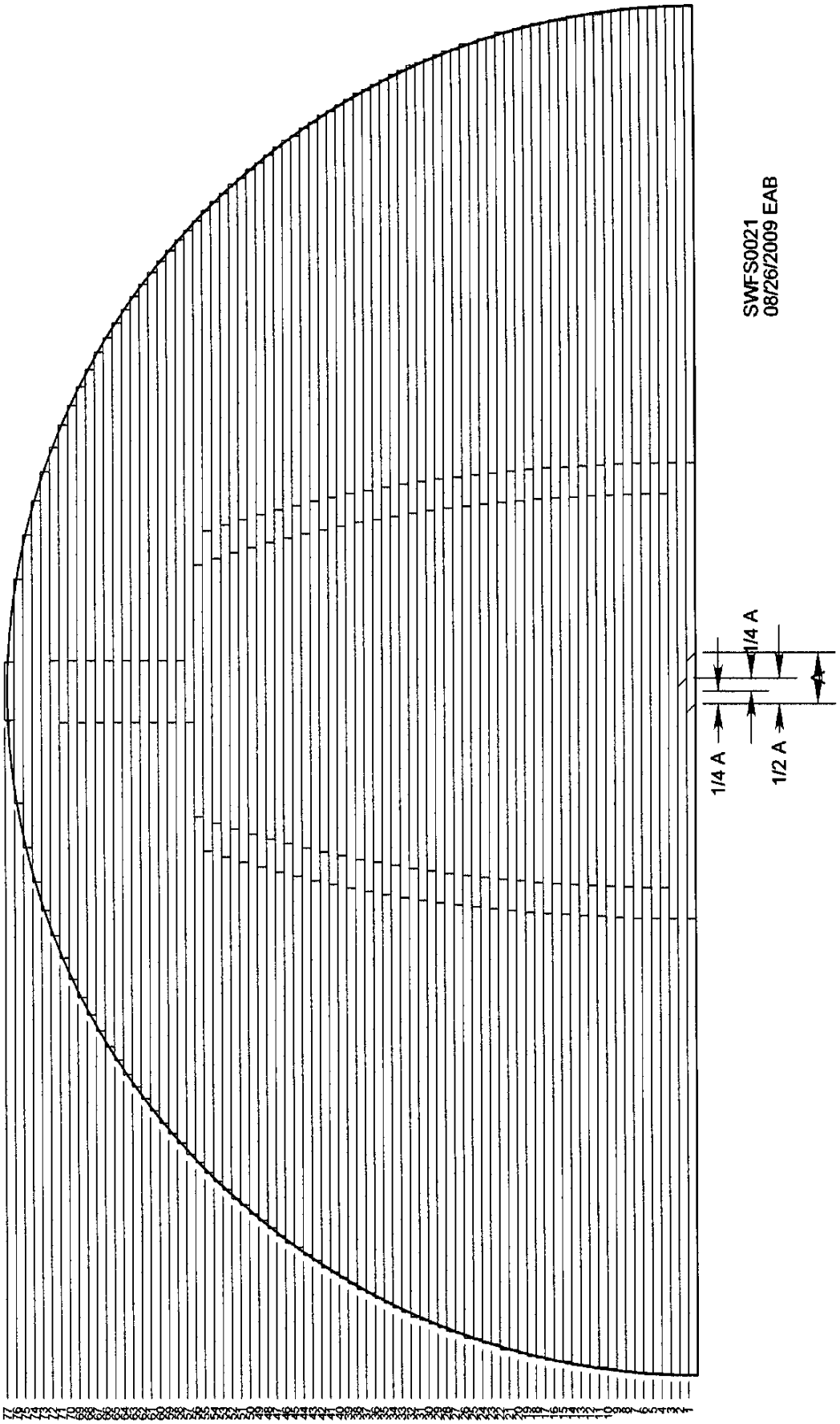
LOCATING FLOOR PLANKS NEEDED FOR 78' BIN (SPLIT)

78’ FLOOR (SPLIT)

Bundle No. 6		Bundle No. 7		Bundle No. 8		Bundle No. 9	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle							
38A	33’ 10"	47A	29’ 4"	57A	21’ 9"	65	15’ 2"
38B	29’ 10"	47B	25’ 4"	57B	17’ 9"	65	15’ 2"
37A	34’ 2"	46A	29’ 11"	56A	22’ 9"	58A	20’ 9"
37B	30’ 2"	46B	25’ 11"	56B	18’ 9"	58B	16’ 9"
36A	34’ 7"	45A	30’ 6"	55A	23’ 8"	58A	20’ 9"
36B	30’ 7"	45B	26’ 6"	55B	19’ 8"	58B	16’ 9"
35A	34’ 11"	44A	31’ 0"	54A	24’ 6"	63	24’ 1"
35B	30’ 11"	44B	27’ 0"	54B	20’ 6"	63	24’ 1"
34A	35’ 4"	43A	31’ 6"	53A	25’ 3"	0	25’ 10"
34B	31’ 4"	43B	27’ 6"	53B	21’ 3"	66	7’ 2"
						66	7’ 2"
33A	35’ 8"	42A	32’ 0"	52A	26’ 0"		
33B	31’ 8"	42B	28’ 0"	52B	22’ 0"	0	25’ 10"
						0	25’ 10"
32A	36’ 0"	41A	32’ 6"	51A	26’ 9"		
32B	32’ 0"	41B	28’ 6"	51B	22’ 9"	62	27’ 6"
						62	27’ 6"
31A	22’ 11"	40A	32’ 11"	50A	27’ 5"		
31B	22’ 11"	40B	28’ 11"	50B	23’ 5"	61	30’ 5"
						61	30’ 5"
31C	23’ 0"	39A	33’ 4"	49A	28’ 1"		
64	20’ 2"	39B	29’ 4"	49B	24’ 1"	60	33’ 0"
						60	33’ 0"
				48A	28’ 9"		
				48B	24’ 9"	59	35’ 5"
Bottom of Bundle						59	35’ 5"

See page 37 for important notes.

90' DIAMETER BIN – SPLIT FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 90' BIN (SPLIT)

A 90' floor is shipped in six large bundles. Five of those bundles will contain four smaller bundles of flooring and one large bundle will contain three smaller bundles.

1. Lay out these 23 bundles of flooring.
2. Label bundles as shown below and on next page by measuring top plank of each bundle. There will be two bundles the same length for numbers 1 through 11, and 13 through 23 – one for each half of bin. Label remaining bundle No. 12.
3. To find starter plank, see 90' Diameter Bin (split) - Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 77, measuring 3' 10") is starter plank. It is in bundle No. 12 and is shortest plank in bundle.
4. Lay out remaining planks. Work in descending order from plank No. 77 to plank No. 1, breaking open additional bundles as needed. Beginning with plank No. 72 (counting backward from No. 77) there are planks A and B, and beginning with plank No. 56 there are planks A, B and C. These are planks that have been split. Alternate between longer and shorter planks to keep seams offset from seams in adjacent planks (as shown in layout drawing).
5. Complete installation by following applicable floor support instructions as well as splicing instructions on page 34.

90’ FLOOR (SPLIT)

Bundles 1 & 23		Bundles 2 & 22		Bundles 3 & 21		Bundles 4 & 20		Bundles 5 & 19		Bundles 6 & 18	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle											
6A	25’ 9"	12A	25’ 6"	18A	25’ 1"	24A	24’ 5"	30A	23’ 7"	36A	22’ 5"
6B	31’ 10"	12B	31’ 6"	18B	31’ 1"	24B	30’ 5"	30B	29’ 7"	36B	28’ 6"
6C	29’ 9"	12C	31’ 6"	18C	31’ 1"	24C	30’ 5"	30C	29’ 7"	36C	28’ 6"
5A	31’ 10"	11A	29’ 6"	17A	29’ 2"	23A	28’ 6"	29A	27’ 9"	35A	26’ 8"
5B	29’ 9"	11B	29’ 6"	17B	29’ 2"	23B	28’ 6"	29B	27’ 9"	35B	26’ 8"
5C	29’ 9"	11C	29’ 6"	17C	29’ 2"	23C	28’ 6"	29C	27’ 9"	35C	26’ 8"
4A	25’ 9"	10A	25’ 7"	16A	25’ 3"	22A	24’ 8"	28A	23’ 11"	34A	22’ 10"
4B	31’ 10"	10B	31’ 7"	16B	31’ 3"	22B	30’ 9"	28B	29’ 11"	34B	28’ 11"
4C	29’ 10"	10C	31’ 7"	16C	31’ 3"	22C	30’ 9"	28C	29’ 11"	34C	28’ 11"
3A	31’ 10"	9A	29’ 8"	15A	29’ 3"	21A	28’ 9"	27A	28’ 0"	33A	27’ 1"
3B	29’ 10"	9B	29’ 8"	15B	29’ 3"	21B	28’ 9"	27B	28’ 0"	33B	27’ 1"
3C	29’ 10"	9C	29’ 8"	15C	29’ 3"	21C	28’ 9"	27C	28’ 0"	33C	27’ 1"
2A	31’ 10"	8A	25’ 8"	14A	25’ 4"	20A	24’ 10"	26A	24’ 2"	32A	23’ 3"
2B	31’ 10"	8B	31’ 9"	14B	31’ 5"	20B	30’ 11"	26B	30’ 3"	32B	29’ 4"
2C	25’ 10"	8C	31’ 9"	14C	31’ 5"	20C	30’ 11"	26C	30’ 3"	32C	29’ 4"
1A	29’ 10"	7A	29’ 9"	13A	29’ 5"	19A	29’ 0"	25A	28’ 3"	31A	27’ 5"
1B	29’ 10"	7B	29’ 9"	13B	29’ 5"	19B	29’ 0"	25B	28’ 3"	31B	27’ 5"
1C	29’ 10"	7C	29’ 9"	13C	29’ 5"	19C	29’ 0"	25C	28’ 3"	31C	27’ 5"
Bottom of Bundle											

See next page for Bundles 7-17

See page 37 for important notes.

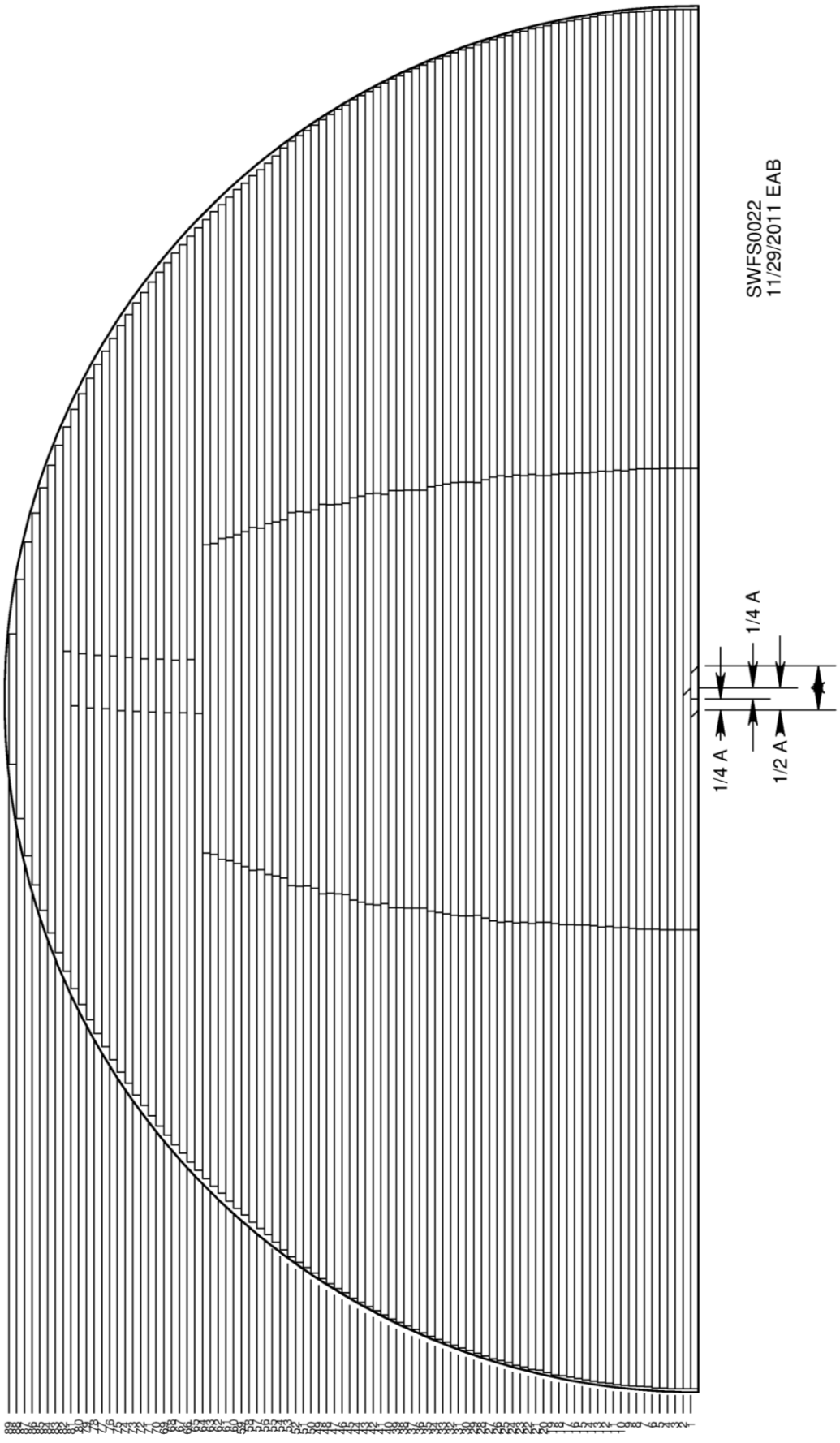
LOCATING FLOOR PLANKS NEEDED FOR 90' BIN (SPLIT)

90’ FLOOR (SPLIT)

Bundles 7 & 17		Bundles 8 & 16		Bundles 9 & 15		Bundles 10 & 14		Bundles 11 & 13		Bundle 12	
Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length	Plank Number	Plank Length
Top of Bundle											
42A	21’ 1"	48A	19’ 5"	54A	17’ 4"	62A	24’ 8"	56C	22’ 7"	72A	14’ 0"
42B	27’ 2"	48B	25’ 5"	54B	23’ 5"	62B	28’ 8"	55A	21’ 0"	72B	18’ 0"
42C	27’ 2"	48C	25’ 5"	54C	23’ 5"	61A	25’ 5"	55B	21’ 0"	77	3’ 10"
41A	25’ 4"	47A	23’ 9"	53A	21’ 9"	61B	29’ 6"	55C	21’ 0"	76	14’ 8"
										75	20’ 6"
41B	25’ 4"	47B	23’ 9"	53B	21’ 9"	60A	26’ 2"	71A	15’ 5"		
41C	25’ 4"	47C	23’ 9"	53C	21’ 9"	60B	30’ 3"	71B	19’ 6"	56A	16’ 6"
										56B	22’ 7"
40A	21’ 7"	46A	20’ 0"	52A	18’ 1"	59A	26’ 11"	70A	16’ 9"		
40B	27’ 7"	46B	26’ 1"	52B	24’ 2"	59B	30’ 11"	70B	20’ 10"	72A	14’ 0"
										72B	18’ 0"
40C	27’ 7"	46C	26’ 1"	52C	24’ 2"	58A	27’ 7"	69A	18’ 0"		
39A	25’ 10"	45A	24’ 3"	51A	22’ 5"	58B	31’ 7"	69B	22’ 0"	77	3’ 10"
										76	14’ 8"
39B	25’ 10"	45B	24’ 3"	51B	22’ 5"	57A	32’ 3"	68A	19’ 1"	75	20’ 6"
39C	25’ 10"	45C	24’ 3"	51C	22’ 5"	57B	28’ 3"	68B	23’ 2"		
										56A	16’ 6"
38A	28’ 1"	44A	20’ 7"	50A	18’ 9"	64A	23’ 0"	67A	20’ 2"	56B	22’ 7"
38B	28’ 1"	44B	26’ 7"	50B	24’ 10"	64B	27’ 1"	67B	24’ 3"		
38C	22’ 1"	44C	26’ 7"	50C	24’ 10"	63A	23’ 10"	66A	21’ 2"		
37A	26’ 3"	43A	24’ 10"	49A	23’ 1"	63B	27’ 11"	66B	25’ 3"		
37B	26’ 3"	43B	24’ 10"	49B	23’ 1"	74	25’ 0"	65A	22’ 1"		
37C	26’ 3"	43C	24’ 10"	49C	23’ 1"	73	28’ 9"	65B	26’ 2"		
Bottom of Bundle											

See page 37 for important notes.

105' DIAMETER BIN – SPLIT FLOOR AND SUPPORT LAYOUT



LOCATING FLOOR PLANKS NEEDED FOR 105' BIN (SPLIT)

A 105' floor is shipped in 14 large bundles. Twelve of these large bundles will contain two smaller bundles of flooring and two of the large bundles will contain one smaller bundle.

1. Lay out these 26 bundles of flooring.
2. **Label bundles as shown below and on next page by measuring top plank of each bundle.** There will be two bundles the same length for numbers 1 through 10, 12, 13, and 15 through 26 – one for each half of bin. Label the two remaining bundles No. 11 and No. 14, corresponding to the plank lengths shown on next page.
3. To find starter plank, see 105' Diameter Bin (split) - Floor and Support Layout on previous page. Plank closest to sidewall (plank No. 89, measuring 10' 6") is starter plank. It is the shortest plank in bundle No. 14. There is one for each side of bin.
4. Lay out remaining planks. Work in descending order from plank No. 89 to plank No. 1, breaking open additional bundles as needed. Beginning with plank No. 82 (counting backward from No. 89) there are planks A and B, and beginning with plank No. 63 there are planks A, B and C. These are planks that have been split. Alternate between longer and shorter planks to keep seams offset from seams in adjacent planks (as shown in layout drawing).
5. Complete installation by following applicable floor support instructions as well as splicing instructions on page 34.

105' FLOOR (SPLIT)

Bundles 1 & 26		Bundles 2 & 25		Bundles 3 & 24		Bundles 4 & 23		Bundles 5 & 22		Bundles 6 & 21		Bundles 7 & 20	
Plank #	Plank Length	Plank #	Plank Length	Plank #	Plank Length	Plank #	Plank Length	Plank #	Plank Length	Plank #	Plank Length	Plank #	Plank Length
Top of Bundle													
6A	34' 7"	12A	34' 5"	18A	34' 0"	24A	33' 3"	30A	32' 7"	36A	32' 0"	42A	30' 4"
6B	34' 8"	12B	34' 4"	18B	34' 0"	24B	34' 0"	30B	33' 0"	36B	31' 9"	42B	31' 6"
6C	34' 7"	12C	34' 4"	18C	34' 0"	24C	33' 3"	30C	32' 7"	36C	31' 9"	42C	30' 4"
5A	34' 8"	11A	34' 6"	17A	34' 2"	23A	34' 0"	29A	33' 0"	35A	32' 0"	41A	31' 8"
5B	34' 7"	11B	34' 5"	17B	34' 0"	23B	33' 4"	29B	32' 9"	35B	32' 0"	41B	30' 7"
5C	34' 7"	11C	34' 6"	17C	34' 0"	23C	33' 4"	29C	32' 9"	35C	32' 0"	41C	30' 7"
4A	34' 7"	10A	34' 6"	16A	34' 1"	22A	33' 6"	28A	33' 0"	34A	32' 0"	40A	31' 0"
4B	34' 9"	10B	34' 6"	16B	34' 3"	22B	34' 0"	28B	33' 0"	34B	32' 6"	40B	31' 5"
4C	34' 7"	10C	34' 5"	16C	34' 1"	22C	33' 6"	28C	33' 0"	34C	32' 0"	40C	31' 0"
3A	34' 9"	9A	34' 6"	15A	34' 3"	21A	34' 0"	27A	33' 5"	33A	32' 7"	39A	31' 11"
3B	34' 7"	9B	34' 6"	15B	34' 2"	21B	33' 7"	27B	33' 0"	33B	32' 2"	39B	31' 0"
3C	34' 7"	9C	34' 6"	15C	34' 2"	21C	33' 7"	27C	33' 0"	33C	32' 2"	39C	31' 0"
2A	34' 7"	8A	34' 6"	14A	34' 4"	20A	33' 9"	26A	33' 0"	32A	32' 3"	38A	31' 3"
2B	34' 9"	8B	34' 7"	14B	34' 3"	20B	34' 0"	26B	33' 8"	32B	33' 0"	38B	32' 0"
2C	34' 7"	8C	34' 6"	14C	34' 3"	20C	33' 9"	26C	33' 0"	32C	32' 3"	38C	31' 3"
1A	34' 9"	7A	34' 8"	13A	34' 4"	19A	34' 0"	25A	34' 0"	31A	33' 0"	37A	32' 0"
1B	34' 7"	7B	34' 6"	13B	34' 4"	19B	33' 11"	25B	33' 0"	31B	32' 5"	37B	31' 6"
1C	34' 7"	7C	34' 6"	13C	34' 4"	19C	33' 11"	25C	33' 0"	31C	32' 5"	37C	31' 6"
Bottom of Bundle													

See next page for Bundles 8-19
See page 37 for important notes.

LOCATING FLOOR PLANKS NEEDED FOR 105' BIN (SPLIT)

105’ FLOOR (SPLIT)

Bundles 8 & 19		Bundles 9 & 18		Bundles 10 & 17		Bundle 11		Bundles 12 & 16		Bundles 13 & 15		Bundle 14	
Plank #	Plank Length	Plank #	Plank Length	Plank #	Plank Length	Plank #	Plank Length	Plank #	Plank Length	Plank #	Plank Length	Plank #	Plank Length
Top of Bundle													
48A	29’ 0"	54A	28’ 0"	60A	26’ 1"	63A	24’ 6"	72A	32’ 11"	81A	24’ 1"	89	10’ 6"
48B	30’ 0"	54B	27’ 7"	60B	25’ 8"	63B	24’ 6"	72B	28’ 11"	81B	20’ 1"	89	10’ 6"
48C	29’ 0"	54C	27’ 7"	60C	25’ 8"	63C	24’ 6"	71A	33’ 8"	80A	25’ 4"	88	18’ 8"
47A	30’ 0"	53A	28’ 1"	59A	26’ 5"	63A	25’ 1"	71B	29’ 8"	80B	21’ 4"	88	18’ 8"
47B	29’ 5"	53B	28’ 0"	59B	26’ 0"	63B	25’ 1"	70A	34’ 5"	79A	26’ 5"	82A	22’ 10"
47C	29’ 5"	53C	28’ 0"	59C	26’ 0"	63C	24’ 6"	70B	30’ 5"	79B	22’ 5"	82B	18’ 10"
46A	30’ 0"	52A	28’ 0"	58A	26’ 3"	62A	25’ 2"	69A	35’ 2"	78A	27’ 6"	82A	22’ 10"
46B	29’ 9"	52B	28’ 11"	58B	27’ 0"	62B	25’ 0"	69B	31’ 2"	78B	23’ 6"	82B	18’ 10"
46C	29’ 9"	52C	28’ 0"	58C	26’ 3"	62C	25’ 0"	68A	35’ 10"	77A	28’ 6"	87	24’ 4"
45A	30’ 4"	51A	29’ 10"	57A	27’ 1"	61A	26’ 0"	68B	31’ 10"	77B	24’ 6"	87	24’ 4"
45B	30’ 0"	51B	28’ 4"	57B	26’ 6"	61B	25’ 2"	67A	36’ 6"	76A	29’ 6"	86	28’ 8"
45C	30’ 0"	51C	28’ 4"	57C	26’ 6"	61C	25’ 2"	67B	32’ 6"	76B	25’ 6"	86	28’ 8"
44A	30’ 0"	50A	29’ 0"	56A	27’ 0"	62A	25’ 2"	66A	37’ 2"	75A	30’ 5"	85	32’ 6"
44B	30’ 11"	50B	28’ 9"	56B	27’ 5"	62B	25’ 0"	66B	33’ 2"	75B	26’ 5"	85	32’ 6"
44C	30’ 0"	50C	28’ 9"	56C	27’ 0"	62C	25’ 0"	65A	37’ 10"	74A	31’ 3"	84	35’ 11"
43A	31’ 3"	49A	29’ 4"	55A	28’ 0"	61A	26’ 0"	65B	33’ 10"	74B	27’ 3"	84	35’ 11"
43B	30’ 2"	49B	29’ 0"	55B	27’ 2"	61B	25’ 2"	64A	38’ 5"	73A	32’ 1"	83	38’ 11"
43C	30’ 2"	49C	29’ 0"	55C	27’ 2"	61C	25’ 2"	64B	34’ 5"	73B	28’ 1"	83	38’ 11"
Bottom of Bundle													

See page 37 for important notes.

CONTACT INFORMATION

Owner's manuals are available from Sukup and additional copies can be requested at address, phone number, or e-mail address shown below. Please indicate manual number L1417 when requesting the *Channel-Lok* Bin Floors & Supports Owner's Installation Manual for major bin diameters.

SUKUP DEALER INFORMATION

Dealer name: _____

Address: _____

Cell phone: _____

Office phone: _____

Fax:

EMERGENCIES – KNOW WHAT TO DO

Have emergency numbers and written directions to your location near your telephone in case of emergency. Spaces for emergency phone numbers to be recorded have been provided below.

Ambulance • Fire • Police: 9-1-1

Bin rescue team: _____

Emergency medical squad: _____

Address of work site: _____

Directions to work site:_____

Sukup Manufacturing Co.

1555 255th Street, Box 677

Sheffield, Iowa, USA 50475-0677

Phone: 641-892-4222 **Fax: 641-892-4629**

Website: www.sukup.com **Email: info@sukup.com**