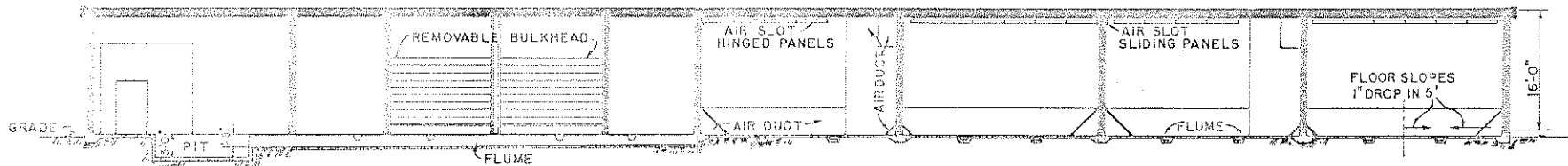


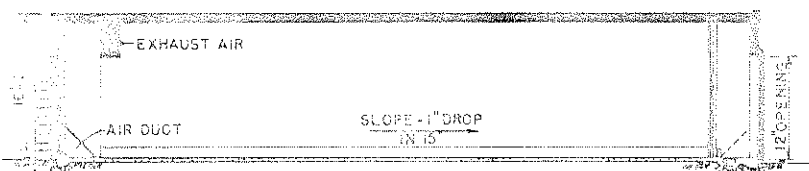
NOTE: WASHER (WATER PRESSURE 40-60 PSI) DRAIN BACK TO PIT.

FLOOR PLAN

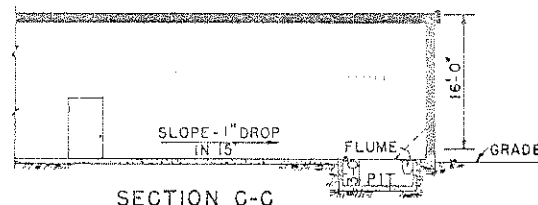
NOTE: ALL EXTERIOR STORAGE WALLS FULLY VENTED.



SECTION A-A



SECTION B-B

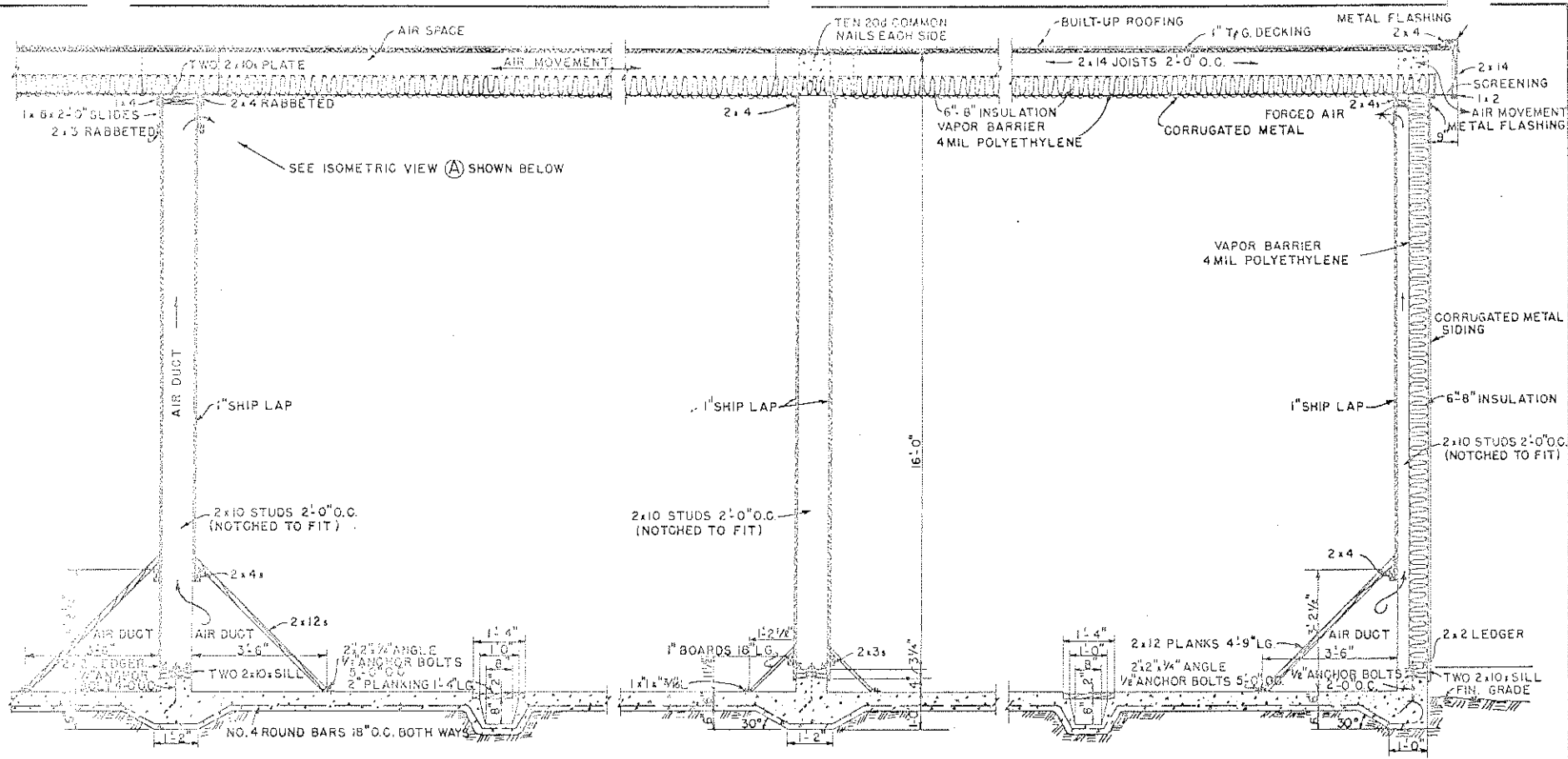


SECTION C-C

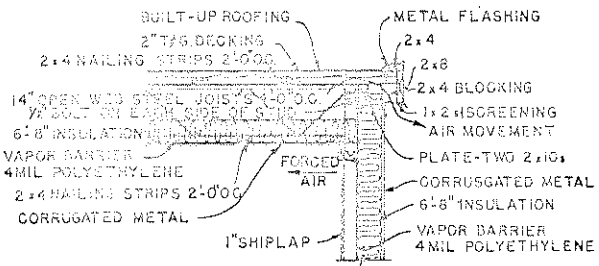
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 UNIVERSITY OF MARYLAND
 AND
 UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

60,000 CWT. POTATO WAREHOUSE

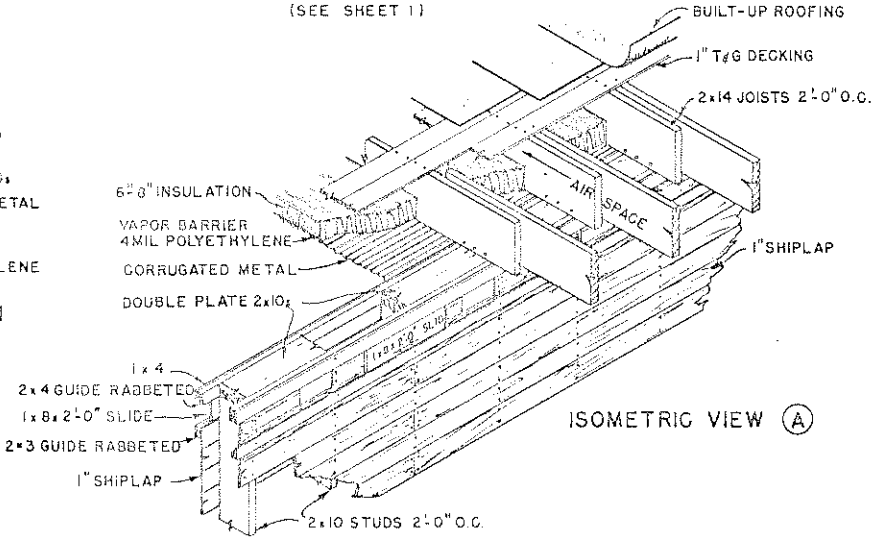
N.D. #USDA '61 EX. 5927 SHEET 1 OF 5



SECTION D-D
(SEE SHEET 1)



ALTERNATE ROOF AND WALL CONSTRUCTION



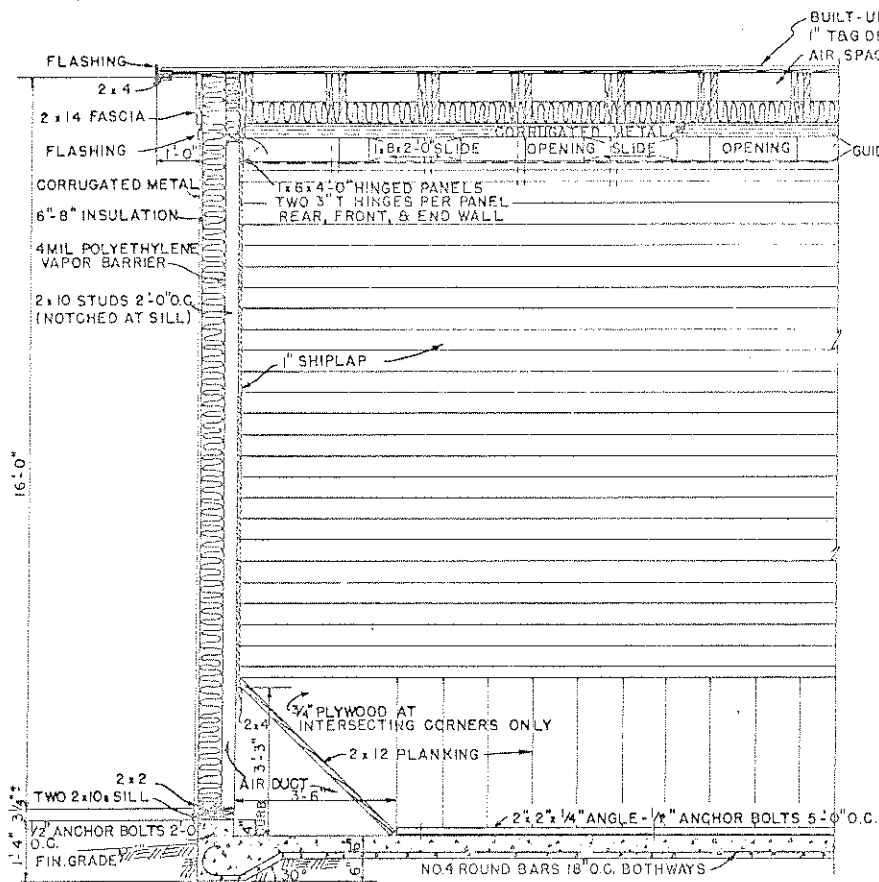
ISOMETRIC VIEW (A)

0 1 2 3 FT. UNLESS OTHERWISE NOTED

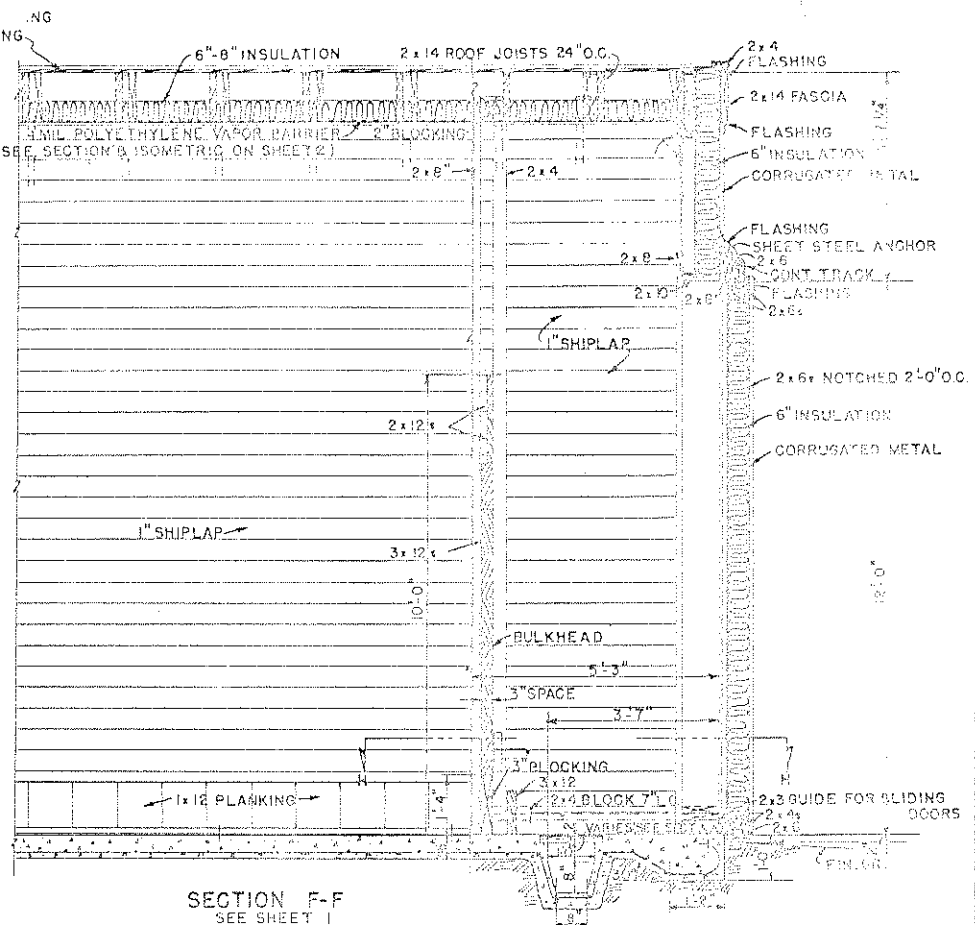
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60,000 CWT. POTATO WAREHOUSE

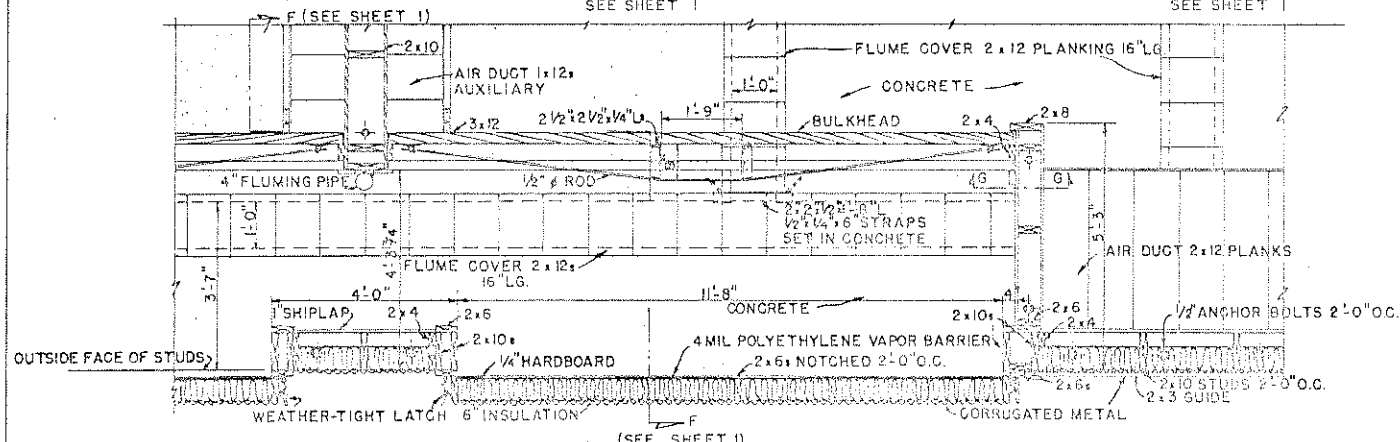
N.D. USDA '61 EX. 5927 SHEET 2 OF 5



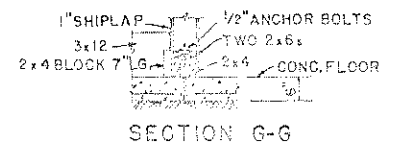
SECTION E-E
SEE SHEET 1



SECTION F-F
SEE SHEET 1



SECTION H-H
(SEE SHEET 1)



SECTION G-G

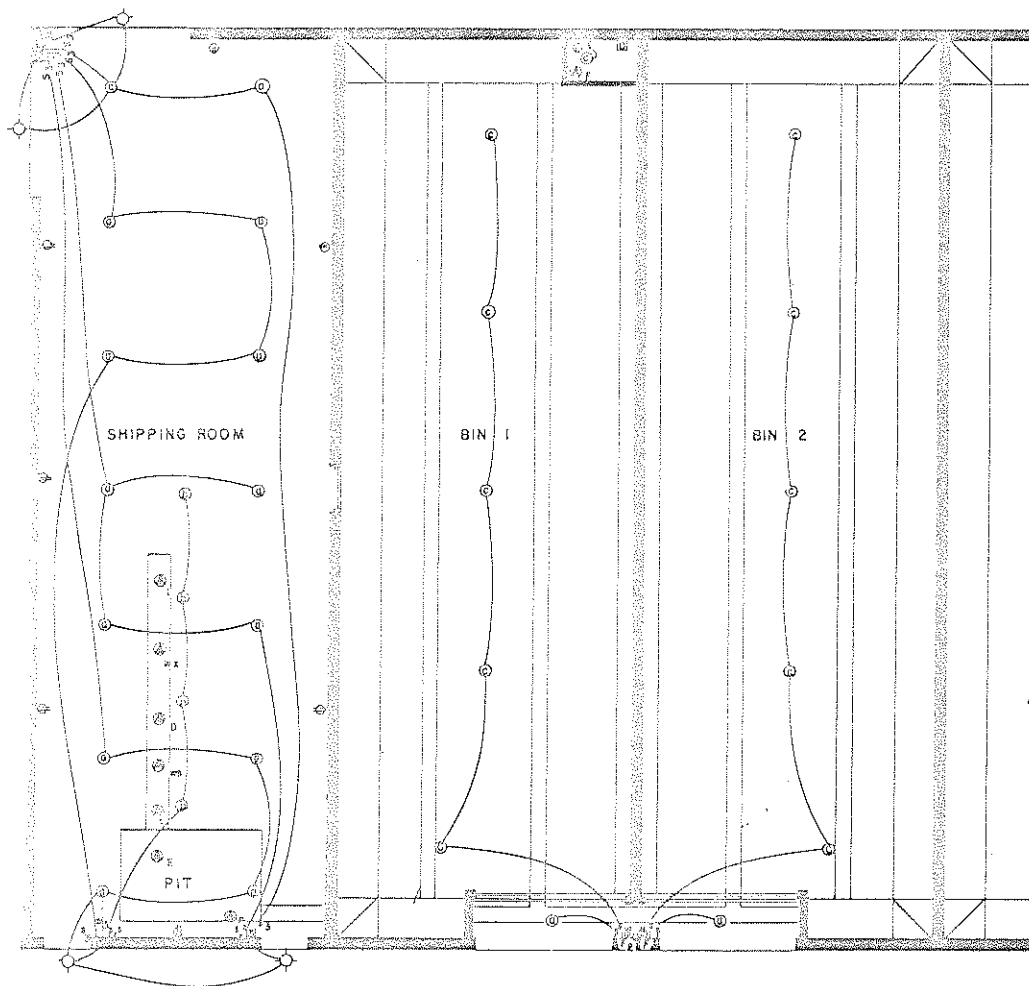
0 1 2 3 FT. UNLESS OTHERWISE NOTED

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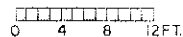
60,000 CWT. POTATO WAREHOUSE

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NOTE CONCRETE CURBING TO BE ONE
 ESTABLISHED LEVEL THRU-OUT.



ELECTRICAL LAYOUT



SERVICE ENTRANCE FACILITIES

REQUIREMENTS WILL DEPEND UPON EQUIPMENT SELECTED AND POWER DISTRIBUTION FACILITIES IN THE VICINITY. THREE-PHASE SERVICE IS HIGHLY DESIRABLE, WHERE AVAILABLE. CONSULTATION WITH COMPETENT ELECTRICAL WIRING ADVISOR WILL BE ESSENTIAL IN DESIGNING FINAL SYSTEM.

MINIMUM 3φ 208V. OR 1φ 230V. CIRCUIT REQUIREMENTS:

1. PUMP FOR FLUME
2. SUB-MAIN FOR VENTILATING FANS
3. PORTABLE CONVEYORS FOR FILLING BINS
4. }
5. } DISTRIBUTIONS FOR PROCESSING MACHINERY
6. }

MINIMUM 1φ 115V. CIRCUIT REQUIREMENTS:

- 6-20 AMP. CIRCUITS-SHIPPING ROOM
- 3-20 AMP. CIRCUITS-STORAGE BINS AND FAN ROOMS
- 1-SPARE
- 10-MINIMUM TOTAL

PROBABLE SERVICE ENTRANCE SIZE: 200AMP 3φ 208V. OR 400 AMP. 1φ 230 V. TO PROVIDE FOR FUTURE EXPANSION.

LEGEND

- S SINGLE SWITCH
- S₃ THREE-WAY SWITCH
- ⊙ CEILING LIGHTING R-40-115° REFLECTOR LAMPS, 500 WATT.
- ⊙ SPECIAL LIGHTING FOR PROCESSING AND SORTING-PROBABLY R-40-35° SPOTS 300 WATT, ARRANGEMENT TO BE DETERMINED BY EQUIPMENT CHOSEN.
- ⊙ VAPOR-PROOF CEILING FIXTURES, 100 WATT.
- ⊙ BRACKET LAMP HOLDERS-OUTDOOR FLOOD.
- ⊙ DUPLEX CONVENIENCE OUTLETS, GROUNDING TYPE, 110V.
- ⊙ PUMP FOR FLUME 5-7½ HP 3φ 208V. OR 1φ 230V., FUSED SWITCH.
- ⊙ VENTILATING FAN 3 HP 3φ 208V. OR 1φ 230V., FUSED SWITCH.
- ⊙ TWO SINGLE CONVENIENCE OUTLETS FOR CONNECTING TWO 1HP PORTABLE CONVEYORS, GROUNDING-TYPE 1φ 208V. OR 230V. OUTLETS WITH FUSES ON BOX COVER OR STANDARD 3φ 208V. OUTLETS WITH SEPARATE LOCAL FUSE BOX.
- ⊙ SINGLE CONVENIENCE OUTLET, GROUNDING TYPE, 115V, WITH INDIVIDUAL FUSE ON BOX COVER.
- ⊙ DAMPER MOTOR FOR VENTILATION CONTROL.

PROCESSING AND PACKAGING MACHINERY-UNITS AND SIZES WILL DEPEND UPON SYSTEM CHOSEN. THE FOLLOWING ARE POSSIBILITIES, ALL 3φ 208V. OR 1φ 230V.

- ⊙ ELEVATOR FROM PIT
 - ⊙ SIZER
 - ⊙ WASHER
 - ⊙ DRYER
 - ⊙ WAXER
 - ⊙ INSPECTION TABLE
- } COMBINED LOAD 7-15HP.

NOTES: DISTRIBUTION CENTER LOCATION WILL DEPEND ON SITE.
NO SUPPLY CIRCUITS SHOWN.
LAYOUT SHOWN (BINS 1 AND 2) TO BE REPEATED IN BINS 3, 4, 5, AND 6.
EQUIP BUILDING WITH AN ADEQUATE LIGHTNING PROTECTION SYSTEM IN AREAS WHERE NEEDED.

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60,00 CWT POTATO WAREHOUSE		
NO. 4 USDA '61	EX 5927	SHEET 3 OF 3