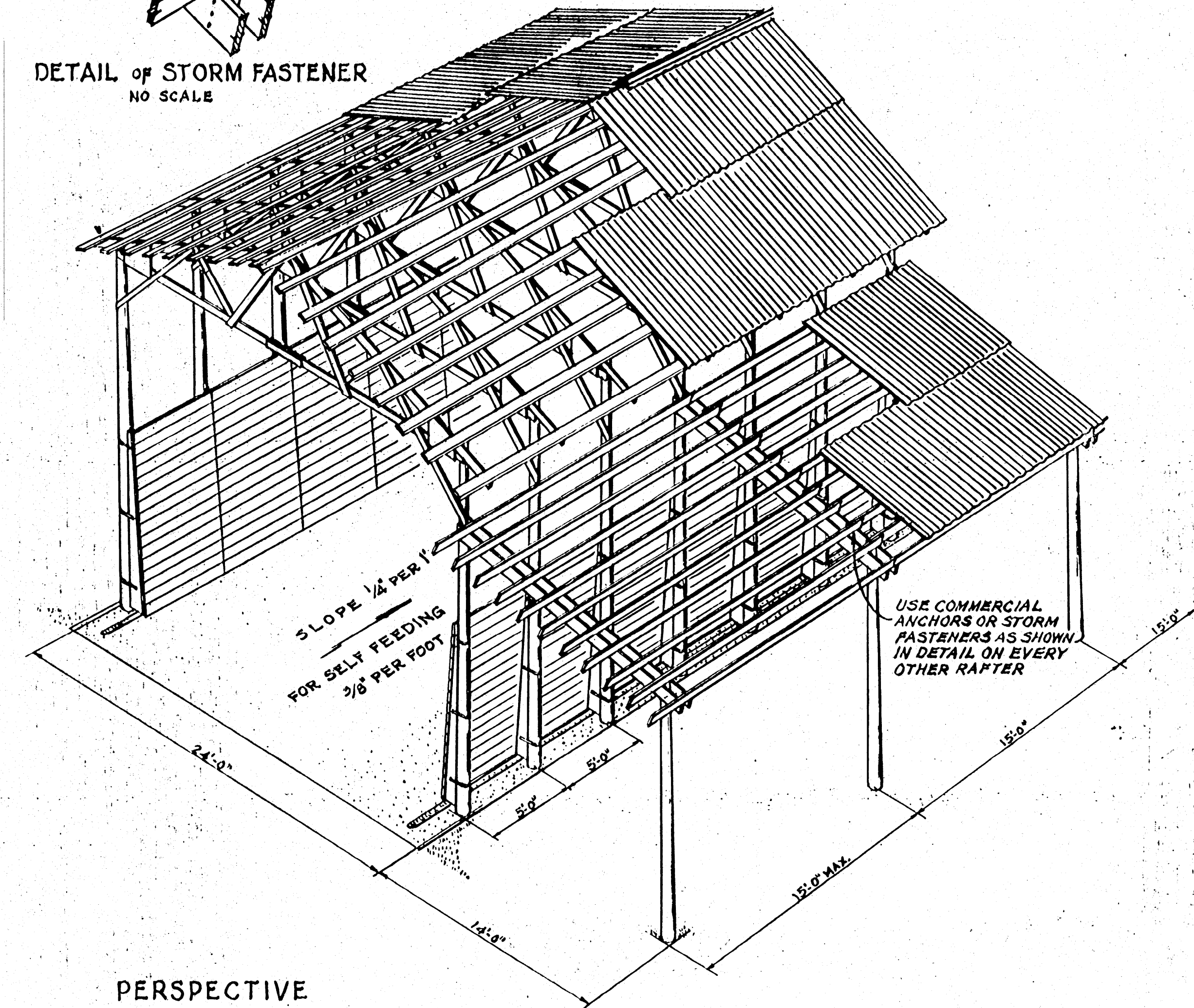


DETAIL OF STORM FASTENER
NO SCALE



PERSPECTIVE
CUTAWAY SHOWING CONSTRUCTION

GENERAL NOTES:

THIS STRUCTURE IS DESIGNED FOR A SNOW LOAD OF 20 LBS. PER SQ. FT. AND WIND UP TO 76 MILES PER HOUR. FOR LOADS OF 30 LBS. PER SQ. FT. DOUBLE THE LOWER CHORD OF THE TRUSS, REDUCE SHED BAYS TO 10'-0", AND DOUBLE BOLT THE TOP CHORD.

THE SILO MAY BE BUILT IN ANY LENGTH IN UNITS OF 5 FEET. IF SHEDS ARE DESIRED USE 15 FOOT UNITS. CAPACITY OF A 15 FOOT SECTION OF SILO LOADED 10 FEET HIGH IS ABOUT 6 5 TONS.

ALL POLES, SIDE BACKS AND T&G WALL SHEATHING SHOULD BE PRESSURE TREATED WITH PRESERVATIVE TO 8 LBS PER CUBIC FOOT RETENTION.

FOR SELF FEEDING, WITH FREE ACCESS. A SILO WIDTH OF 3" TO 6" PER HEAD IS REQUIRED. AT LEAST A 4" SLICE SHOULD BE CONSUMED PER DAY TO MINIMIZE SPOILAGE.

EQUIP SILO AND LEAN-TO WITH AN ADEQUATE LIGHTNING PROTECTION SYSTEM IN AREAS WHERE NEEDED.

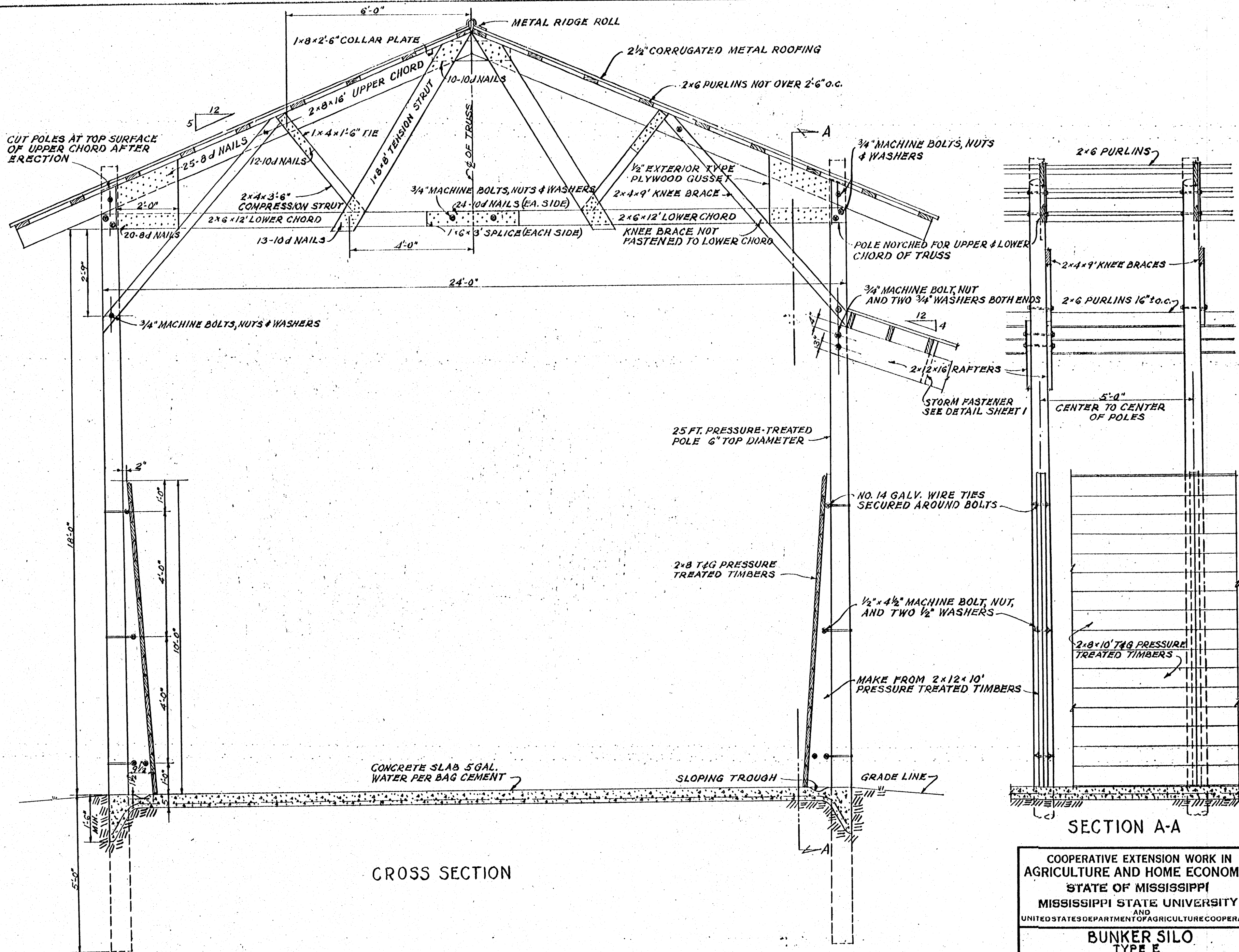
QUANTITY :	ITEM	FBM
6	: POLES, PRESSURE TREATED 6" TOP 25' LONG	
6	: UPPER CHORD 2x8x16'	129
6	: LOWER CHORD 2x6x12'	72
6	: TENSION STRUT 1x8x8'	33
6	: COMPRESSION STRUT 2x4x3'-6"	15
6	: KNEE BRACE 2x4x9'	36
3	: COLLAR PLATE 1x8x2'-6"	6
6	: SPLICE PLATE 1x6x3'	9
6	: STRUT TIE 1x4x1'-6"	3
6	: PLYWOOD GUSSET 2'x1/2"x2'	24"
12	: SIDE BACKS RIPPED FROM SIX 2x12x10'	240
3#	: NAILS 8d FOR GUSSETS	
7#	: NAILS 10d FOR TRUSSES & PURLINS	
36#	: MACHINE BOLTS 3/4" FOR TRUSSES AND POLES	
72#	: STANDARD WASHERS FOR BOLTS 3/4"	
24	: MACHINE BOLTS 1/2" FOR SIDE BACKS	
48	: STANDARD WASHERS FOR BOLTS 1/2"	
18	: NO. 14 GA. GALV. WIRE TIES 4' LONG	
18	: PURLINS 2x6x16'	288
	: CORRUGATED ROOFING (TO COVER 480 SQ. FT.)	
1	: 15 FT. RIDGE SECTION FOR CORRUGATED ROOFING	
	: SIDES 2x8 T&G (TO COVER 300 SQ. FT.)	
180	: CU. FT. CONCRETE, FOR FLOOR	
360	: SQ. FT. REINFORCING WIRE MESH 6"x6"x No. 10	
	: FOR LEAN-TO	
1	: POLE PRESSURE TREATED 6" TOP 16' LONG	
2	: RAFTERS 2x12x16'	64
11	: PURLINS 2x6x16'	176
	: CORRUGATED ROOFING (TO COVER 240 SQ. FT.)	
4	: MACHINE BOLTS 3/4" FOR RAFTERS	
8	: STANDARD WASHERS FOR BOLTS 3/4"	
2#	: NAILS 10d FOR PURLINS	
1#	: NAILS 16d FOR STORM FASTENERS	
5	: STORM FASTENERS 2x6x1'-6"	8

QUANTITY :	ITEM	FBM
8	: POLES, PRESSURE TREATED 6" TOP 25' LONG	
8	: UPPER CHORD 2x8x16'	172
8	: LOWER CHORD 2x6x12'	96
8	: TENSION STRUT 1x8x8'	44
8	: COMPRESSION STRUT 2x4x3'-6"	20
8	: KNEE BRACE 2x4x9'	48
4	: COLLAR PLATE 1x8x2'-6"	8
8	: SPLICE PLATE 1x6x3'	12
8	: STRUT TIE 1x4x1'-6"	4
8	: PLYWOOD GUSSET 2'x1/2"x2'	32"
16	: SIDE BACKS RIPPED FROM EIGHT 2x12x10'	320
4#	: NAILS 8d FOR GUSSETS	
10#	: NAILS 10d FOR TRUSSES & PURLINS	
48	: MACHINE BOLTS 3/4" FOR TRUSSES & POLES	
96	: STANDARD WASHERS FOR BOLTS 3/4"	
32	: MACHINE BOLTS 1/2" FOR SIDE BACKS	
64	: STANDARD WASHERS FOR BOLTS 1/2"	
24	: NO. 14 GA. GALV. WIRE TIES 4' LONG	
18	: PURLINS 2x6x18'	324
	: CORRUGATED ROOFING (TO COVER 544 SQ. FT.)	
1	: 17 FT. RIDGE SECTION FOR CORRUGATED ROOFING	
	: SIDES 2x8 T&G (TO COVER 300 SQ. FT.)	
204	: CU. FT. CONCRETE, FOR FLOOR	
408	: SQ. FT. REINFORCING WIRE MESH 6"x6"x No. 10	
	: FOR LEAN-TO:	
2	: POLES, PRESSURE TREATED 6" TOP 16' LONG	
4	: RAFTERS 2x12x16'	128
11	: PURLINS 2x6x18'	198
	: CORRUGATED ROOFING (TO COVER 272 SQ. FT.)	
8	: MACHINE BOLTS 3/4" FOR RAFTERS	
16	: STANDARD WASHERS FOR BOLTS 3/4"	
2#	: NAILS 10d FOR PURLINS	
2#	: NAILS 16d FOR STORM FASTENERS	
10	: STORM FASTENERS 2x6x1'-6"	15

COOPERATIVE EXTENSION WORK IN
AGRICULTURE AND HOME ECONOMICS
STATE OF MISSISSIPPI
MISSISSIPPI STATE UNIVERSITY
AND
UNITED STATES DEPARTMENT OF AGRICULTURE COOPERATING

BUNKER SILO
TYPE E

ORE.'58 EX. 5865 SHEET 1 OF 2



CROSS SECTION

SECTION A-A

COOPERATIVE EXTENSION WORK IN
 AGRICULTURE AND HOME ECONOMICS
 STATE OF MISSISSIPPI
 MISSISSIPPI STATE UNIVERSITY
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**BUNKER SILO
 TYPE E**

ORE. '58 EX. 5865 SHEET 2 OF 2

SCALE: 1/2" = 1'-0" UNLESS OTHERWISE NOTED.