

POPULOUS[®]

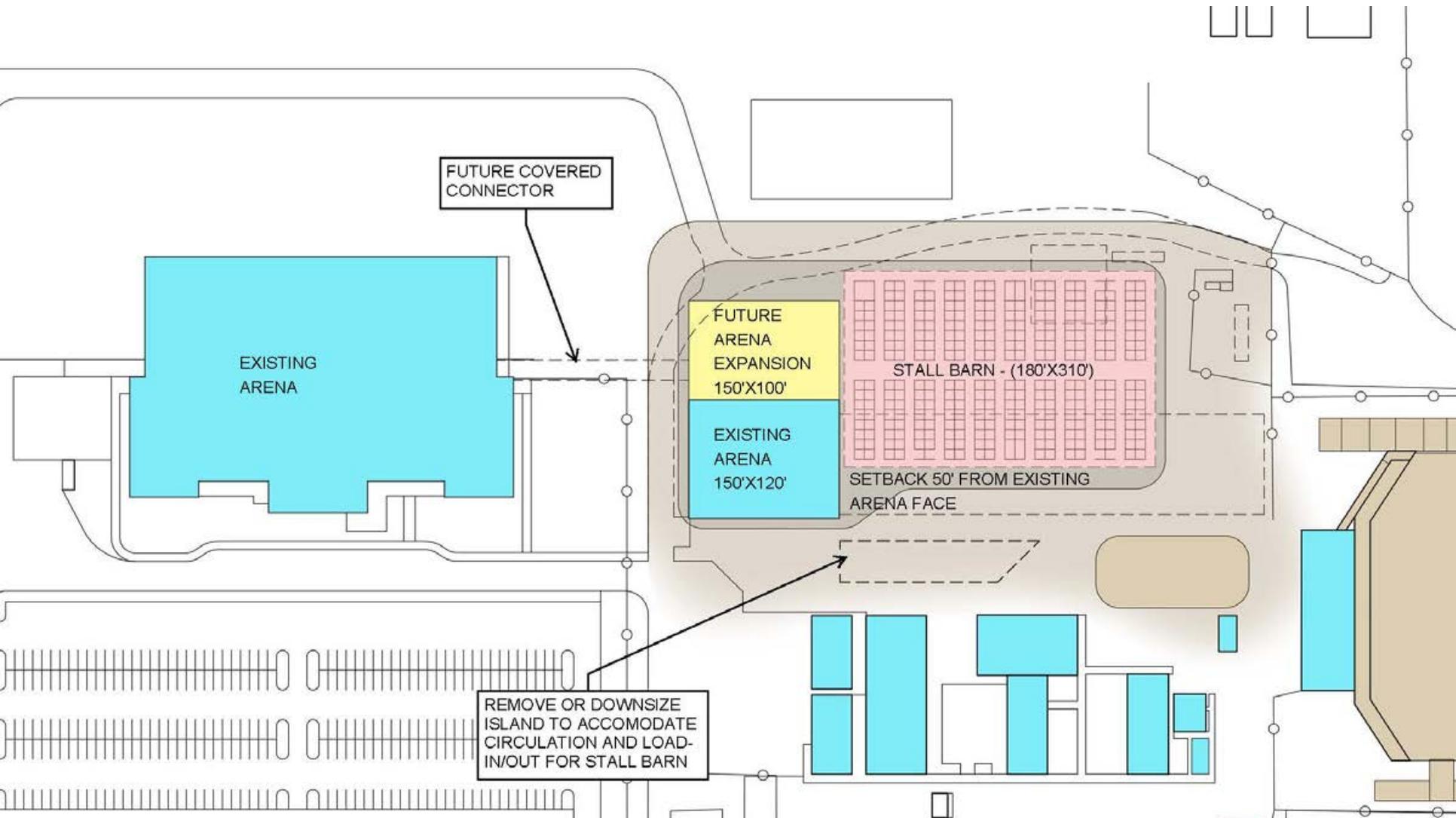
DRAWING PEOPLE TOGETHER

CURRY COUNTY FAIRGROUNDS BARN DESIGN



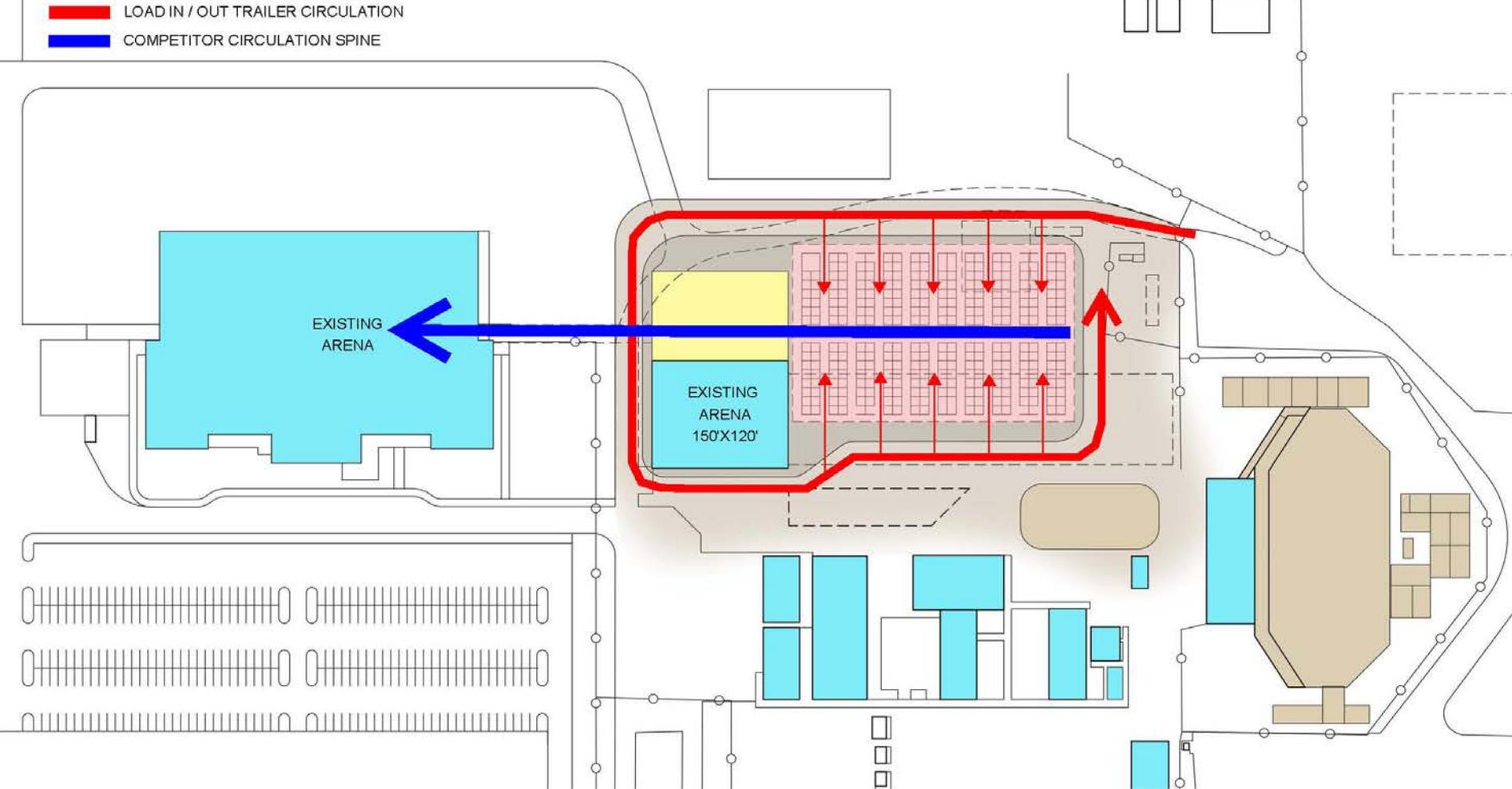
BOCC SCHEMATIC DESIGN
PRESENTATION 04.16.2016

SITE PLAN. overall site layout

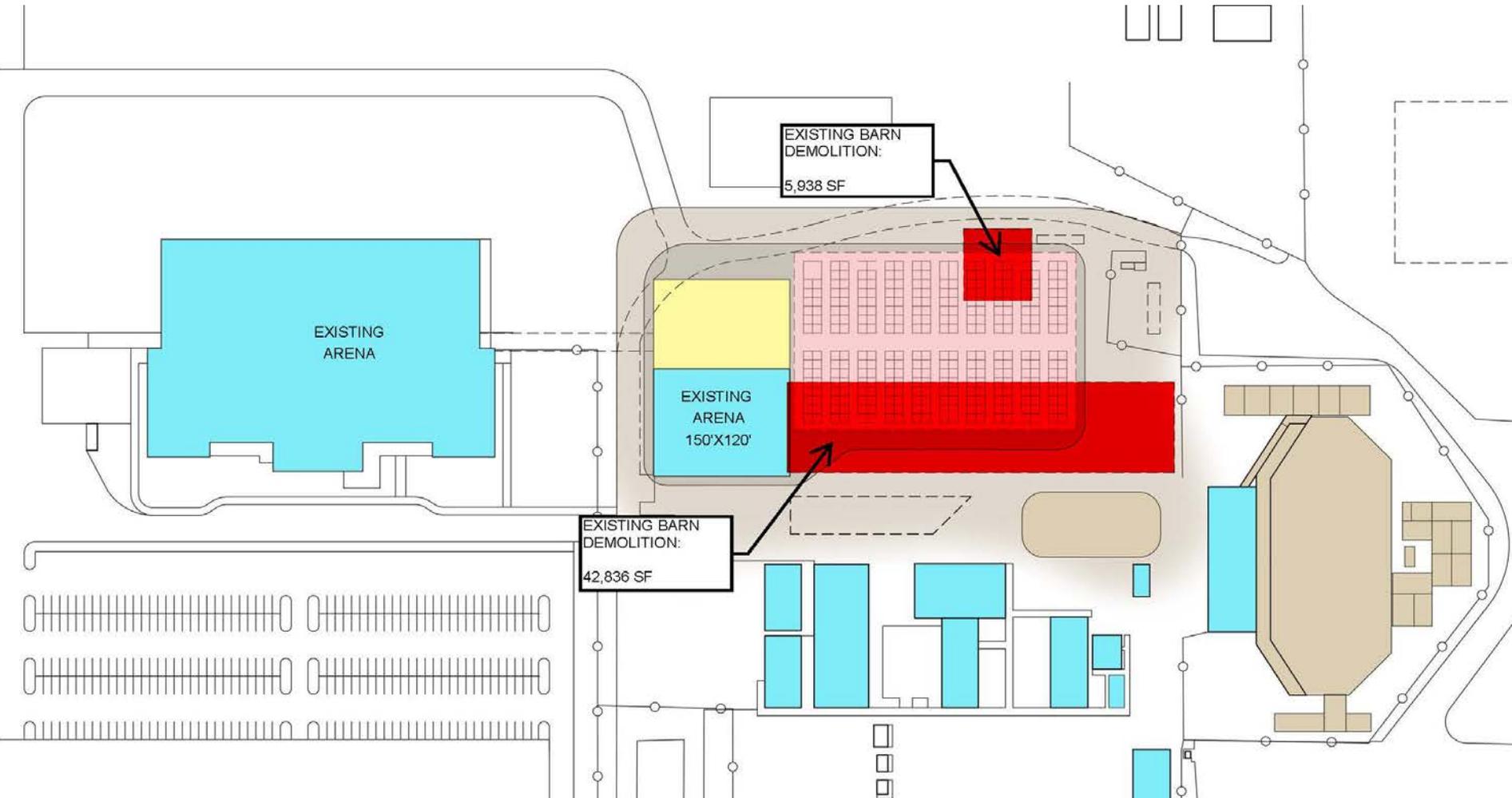


SITE PLAN. circulation

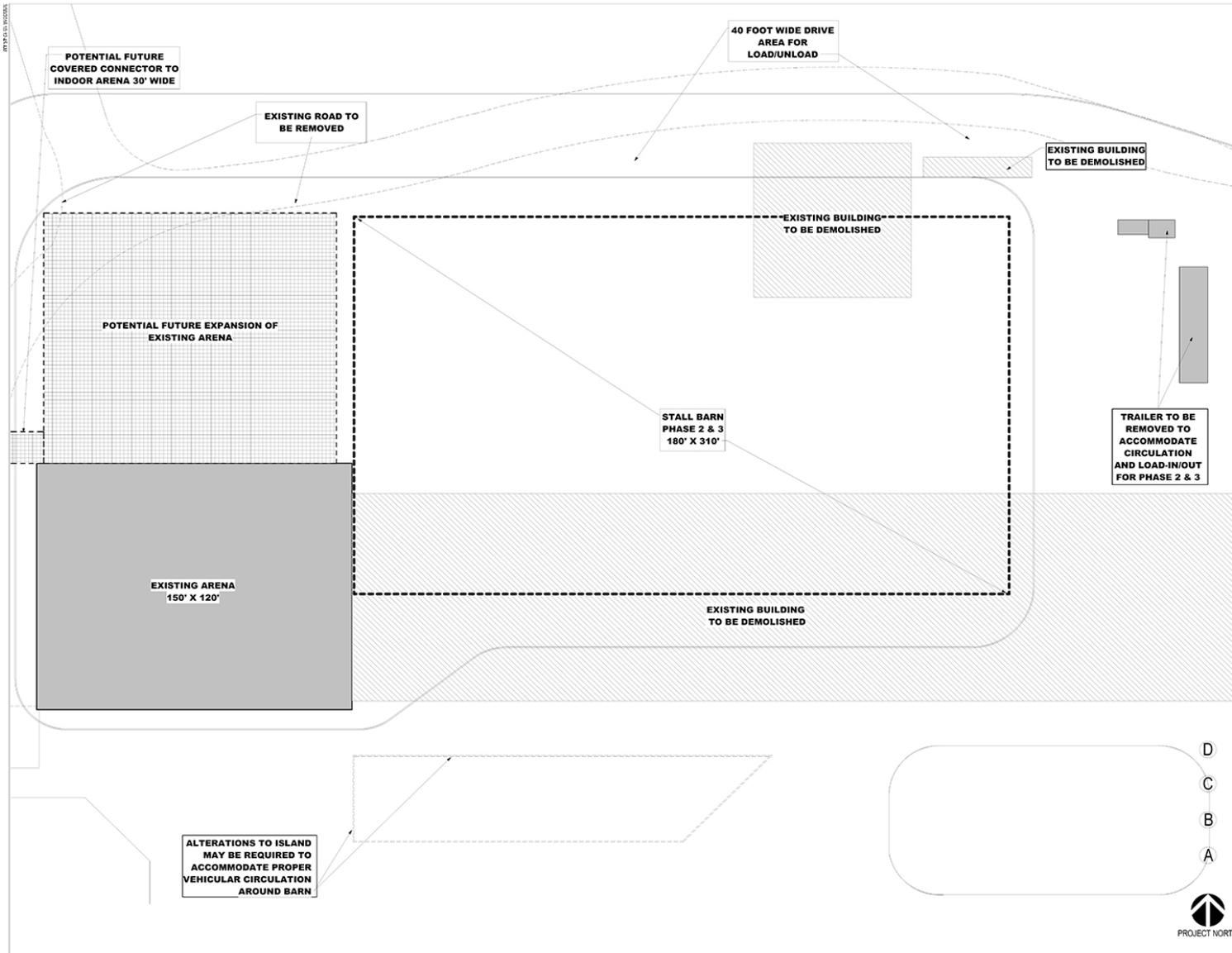
- LOAD IN / OUT TRAILER CIRCULATION
- COMPETITOR CIRCULATION SPINE



SITE PLAN. demolition



SITE PLAN. 300 Stall Barn



POPULOUS
 POPULOUS
 15.0001
 032915
 PHASE 2 & 3 SITE PLAN
 A1-0A

NOT FOR CONSTRUCTION

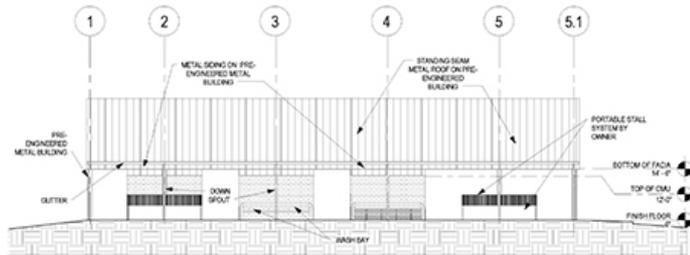
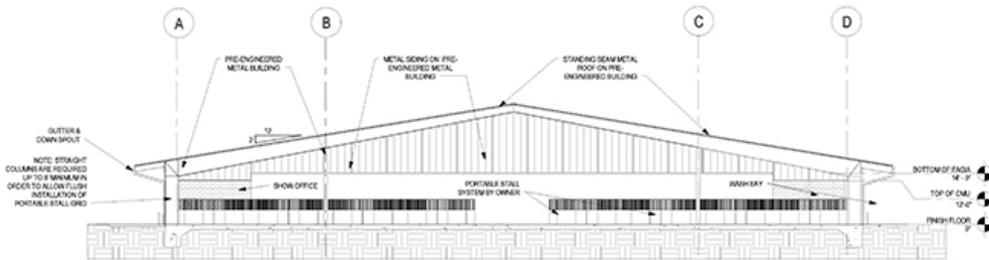
CURRY COUNTY BARN & PAVILION
 Curry County, New Mexico

SCHEMATIC DESIGN
 04-01-2016
 REVISIONS
 NO. DATE REVISION

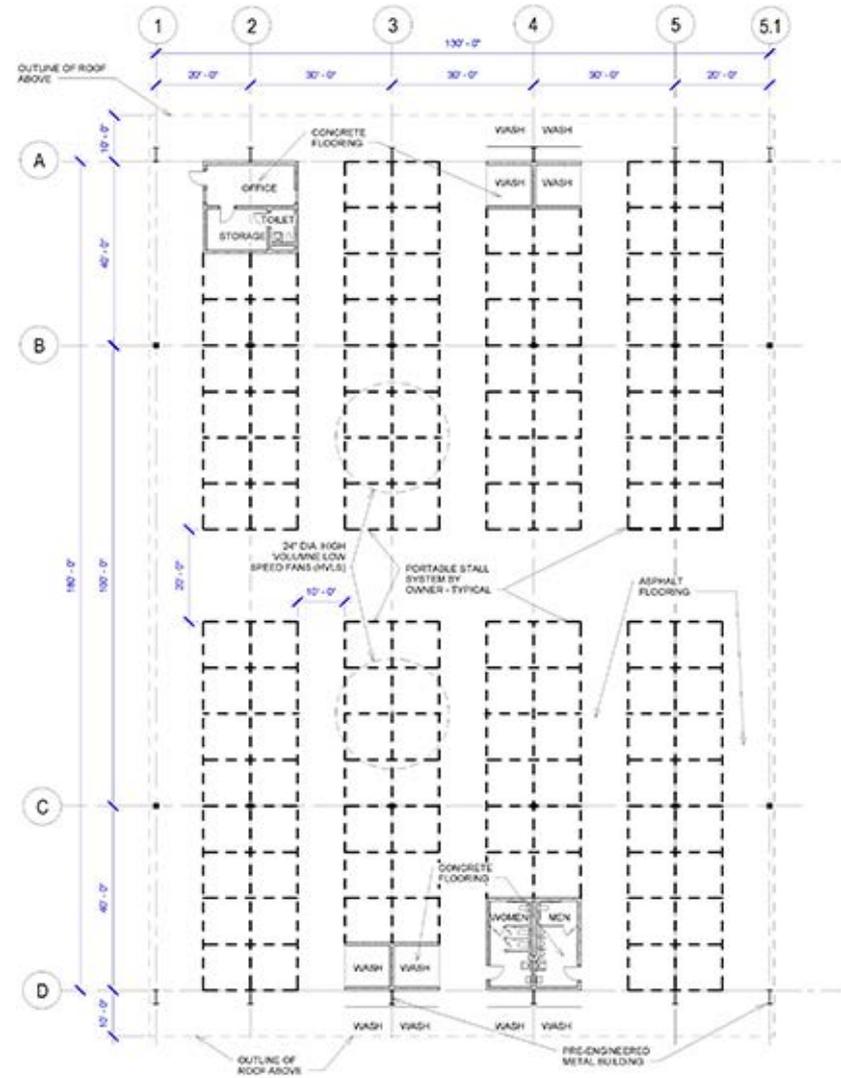
15.0001 POPULOUS
 032915
 PHASE 2 & 3 SITE PLAN
 A1-0A

PROJECT NORTH

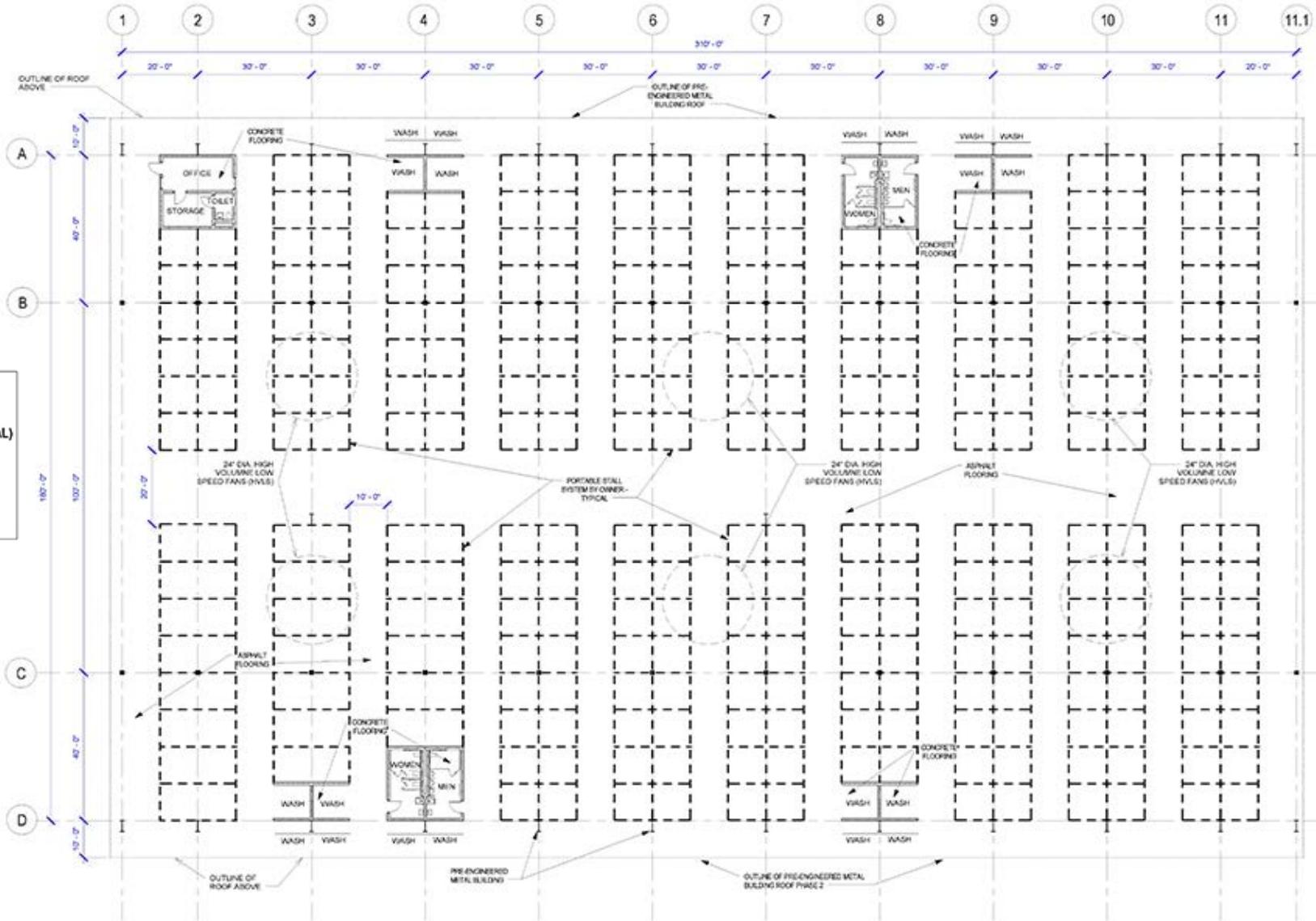
BARN DESIGN. 100 Stall Barn



NOTE:
10X10 STALL COUNT:
 - 118 STALLS
WASH STALL COUNT:
 (10 TOTAL)
 - 4 INTERIOR
 - 6 COVERED
RESTROOM FIXTURES:
 - MENS 4
 - WOMENS 3
 - UNISEX 1

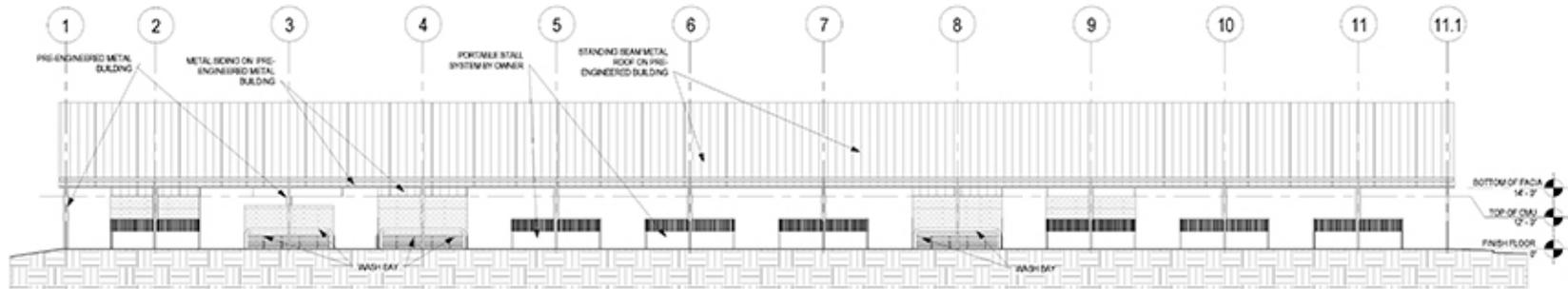


BARN DESIGN. 300 Stall Barn Open Side

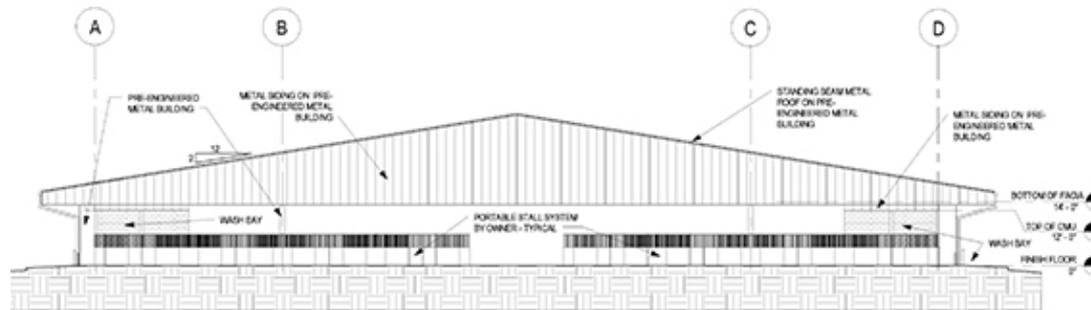


NOTE:
 10X10 STALL COUNT:
 - 300 STALLS
 WASH STALL COUNT (10 TOTAL)
 - 8 INTERIOR
 - 12 COVERED
RESTROOM FIXTURES:
 - MENS 8
 - WOMENS 6
 - UNISEX 1

BARN DESIGN. 300 Stall Barn Open Side

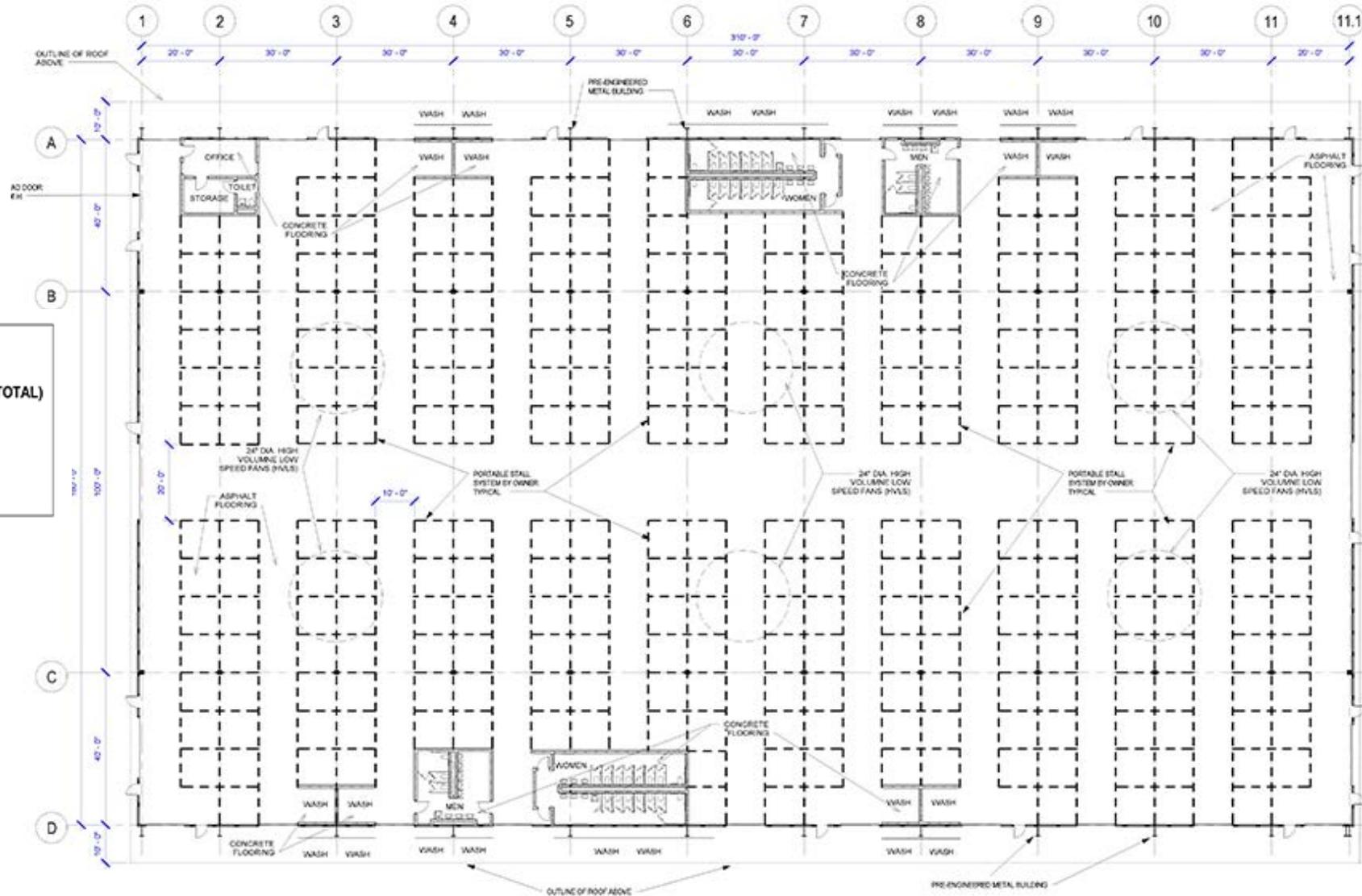


2 FRONT ELEVATION - PHASE 2
1/16" = 1'-0"



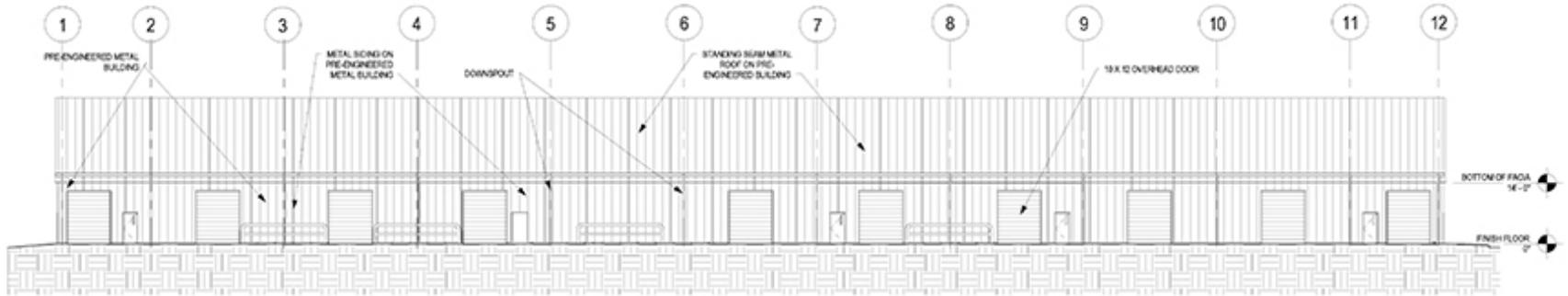
3 SIDE ELEVATION - PHASE 2
1/16" = 1'-0"

BARN DESIGN. 300 Stall Barn Enclosed

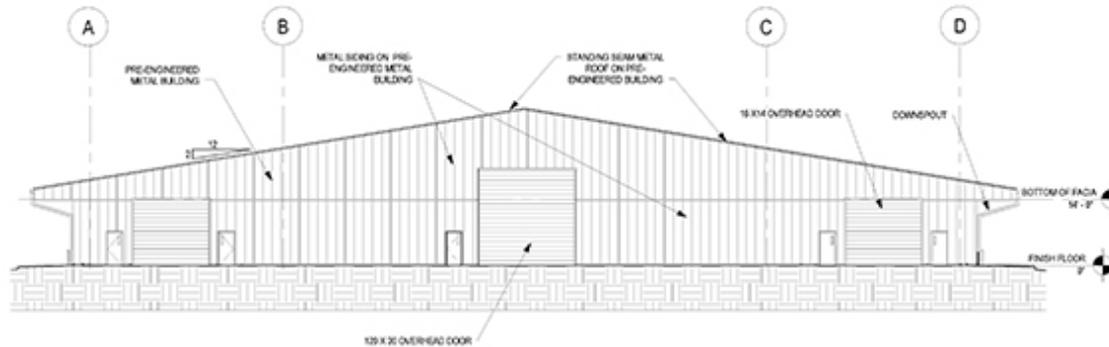


NOTE:
 10X10 STALL COUNT:
 - 280 STALLS
 WASH STALL COUNT (20 TOTAL)
 - 8 INTERIOR
 - 12 COVERED
 RESTROOM FIXTURES:
 - MENS 16
 - WOMENS 30
 - UNISEX 1

BARN DESIGN. 300 Stall Barn Enclosed

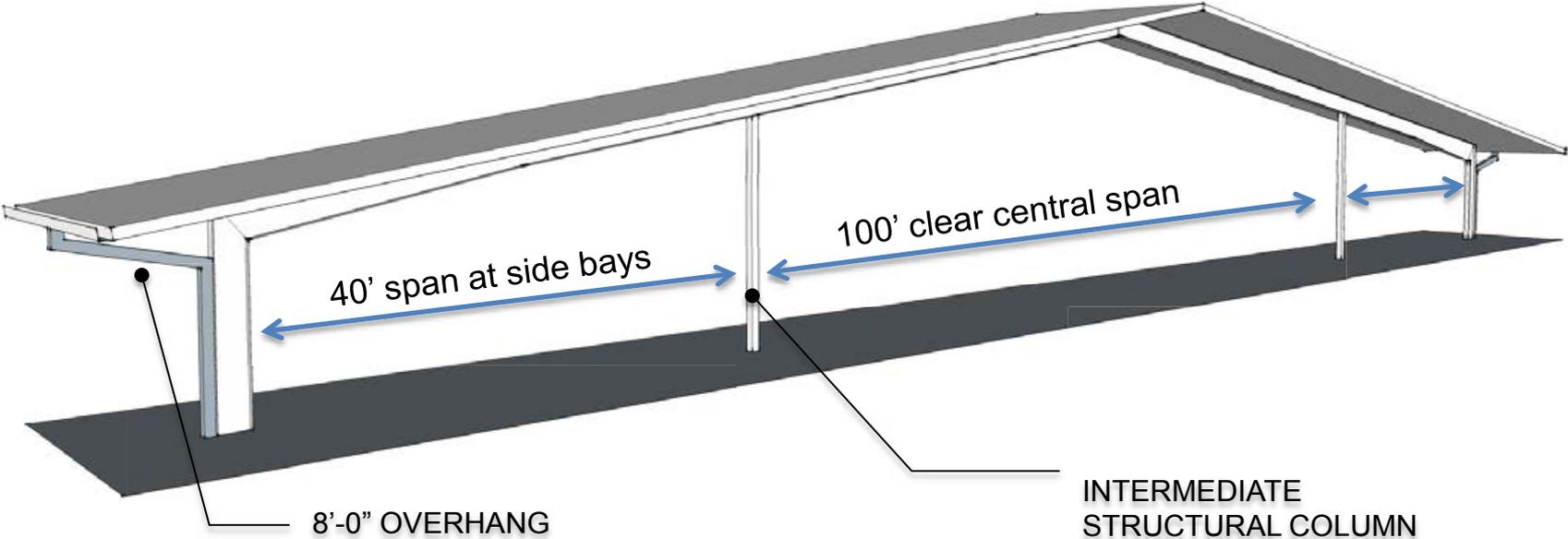


2 Front Elevation - Phase 3
1/16" = 1'-0"

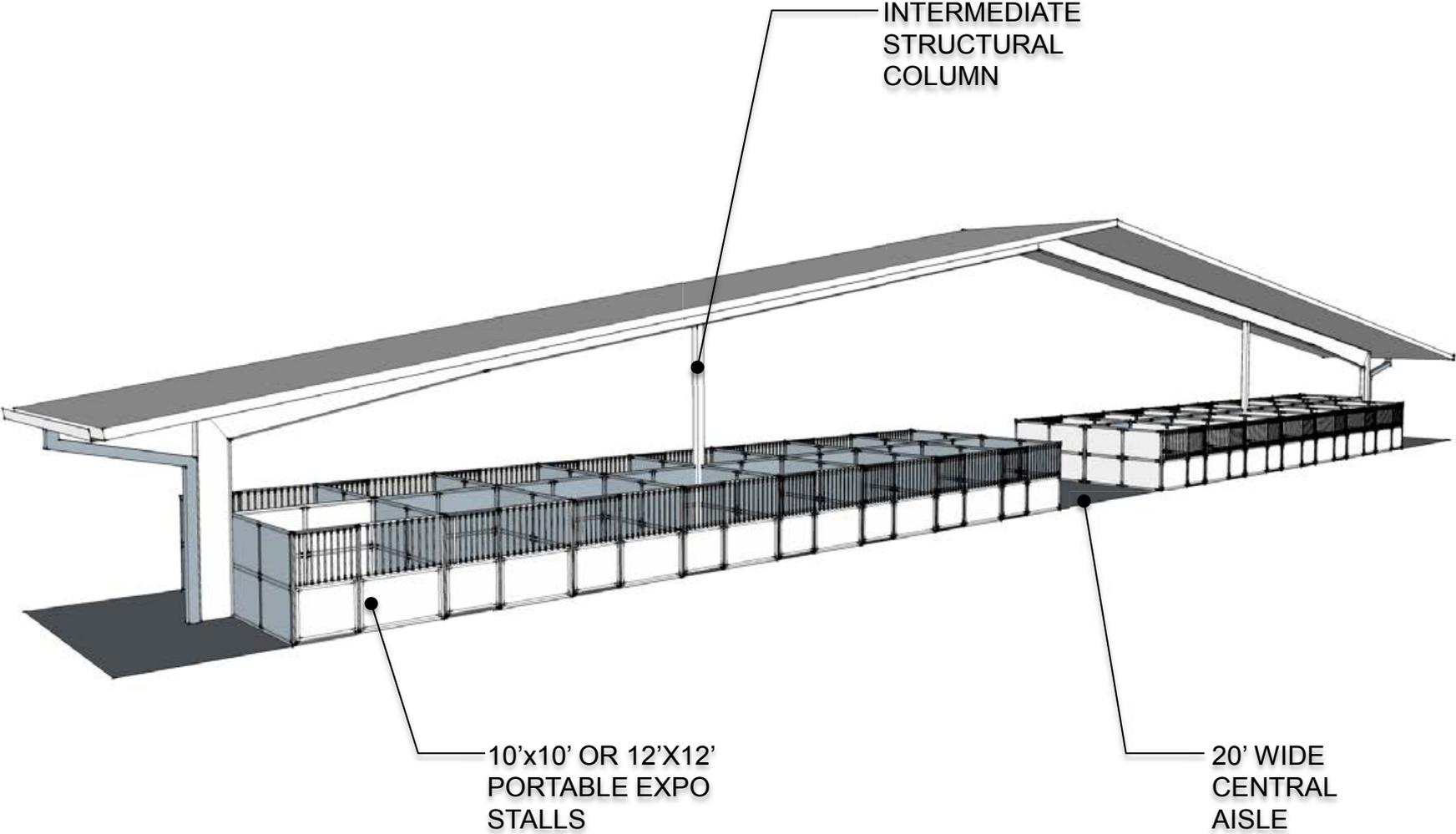


3 SIDE ELEVATION - PHASE 3
1/16" = 1'-0"

STRUCTURE. bay spacing

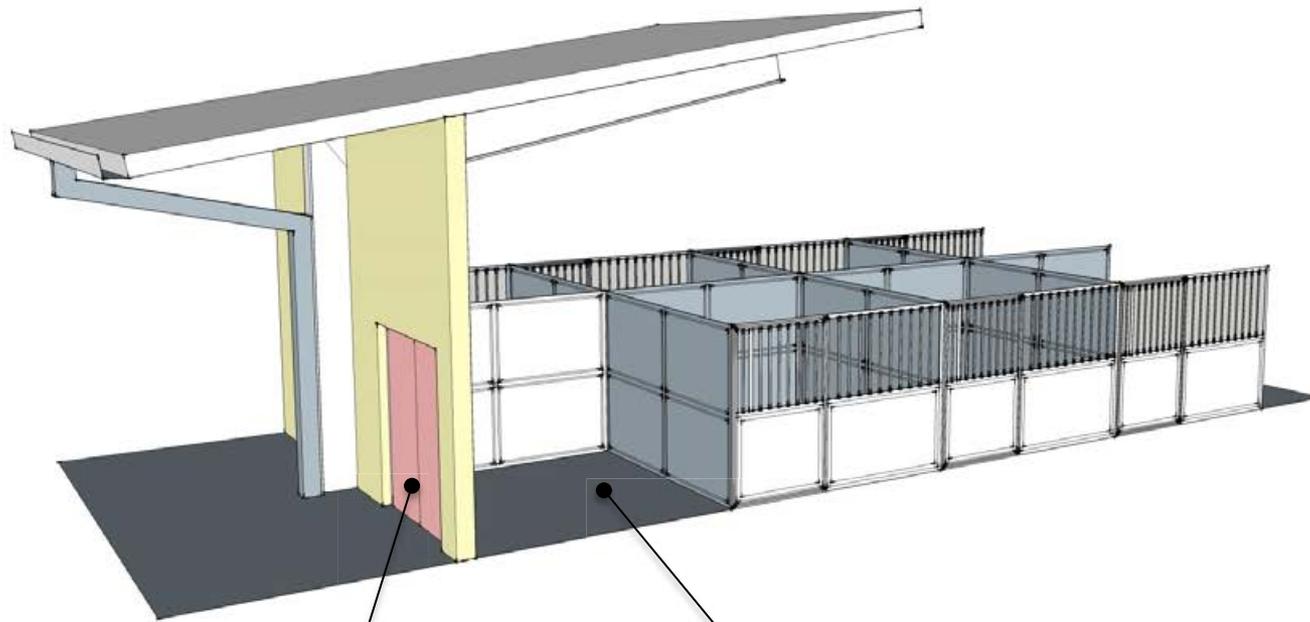


STRUCTURE. phase 1 and 2



FUTURE ENCLOSURE. exit doors

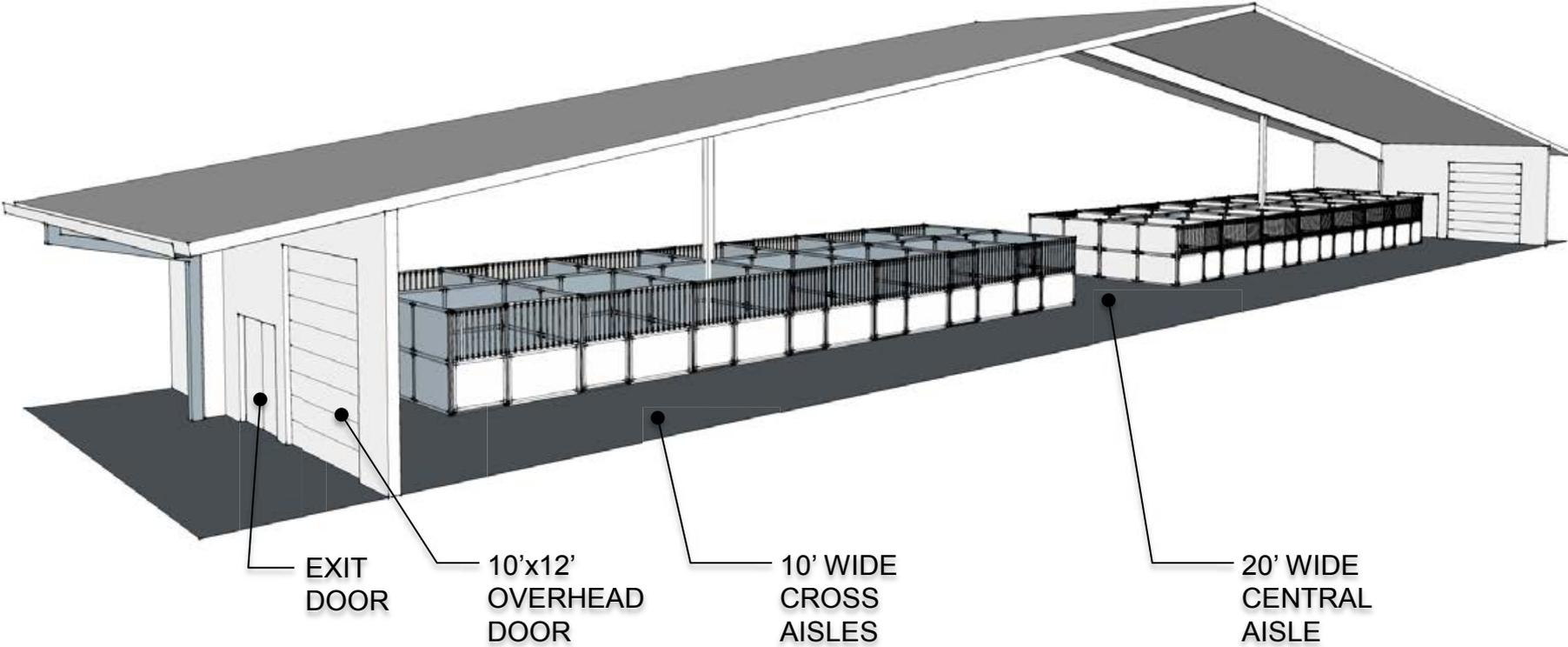
THE STALL COUNT WILL BE REDUCED SLIGHTLY WHEN THE FACILITY IS ENCLOSED



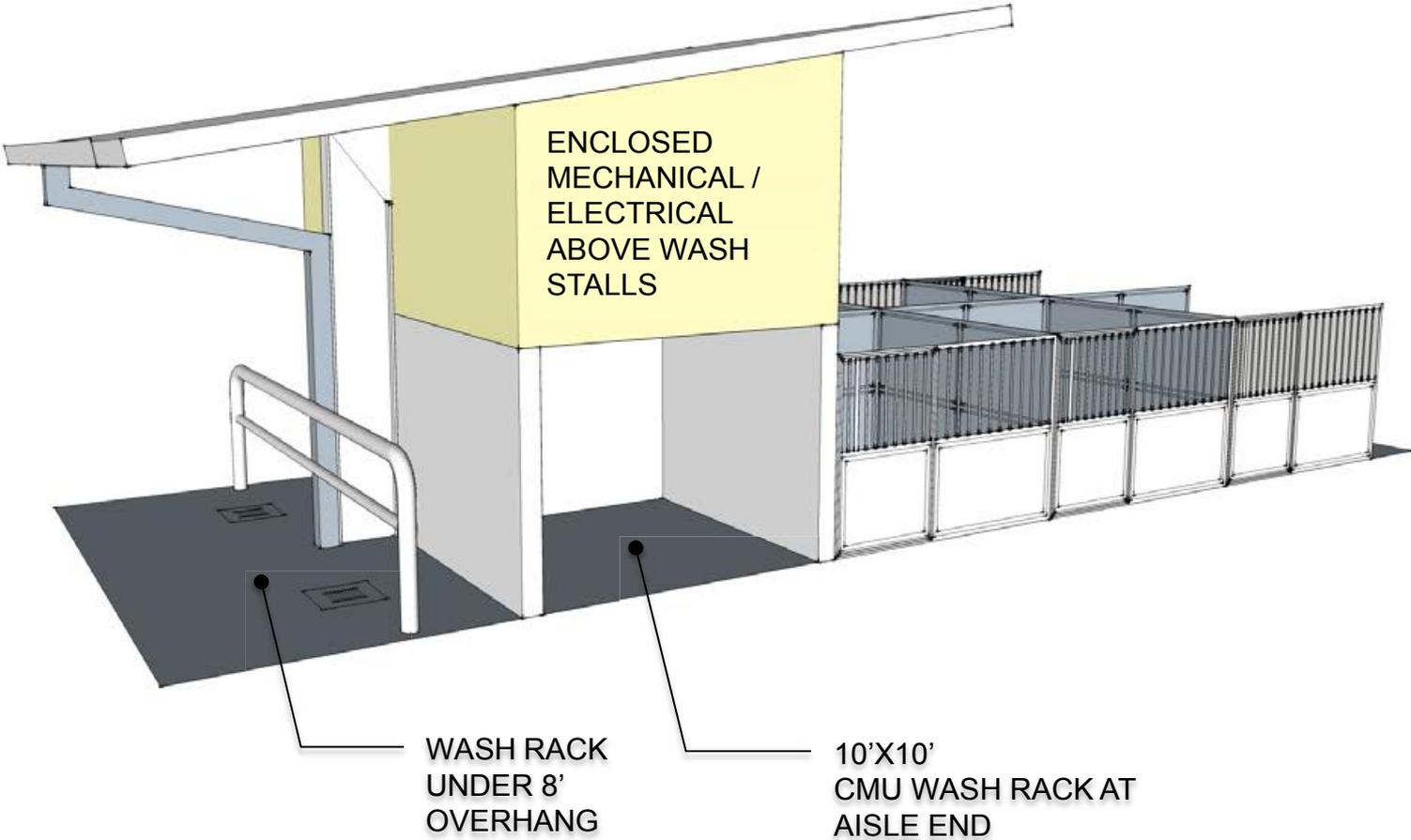
EXIT DOOR –
DOUBLE 3' DOORS
W/ PANIC
HARDWARE

ONE STALL MUST BE
REMOVED TO
ACCOMMODATE EACH
EXIT DOOR LOCATION

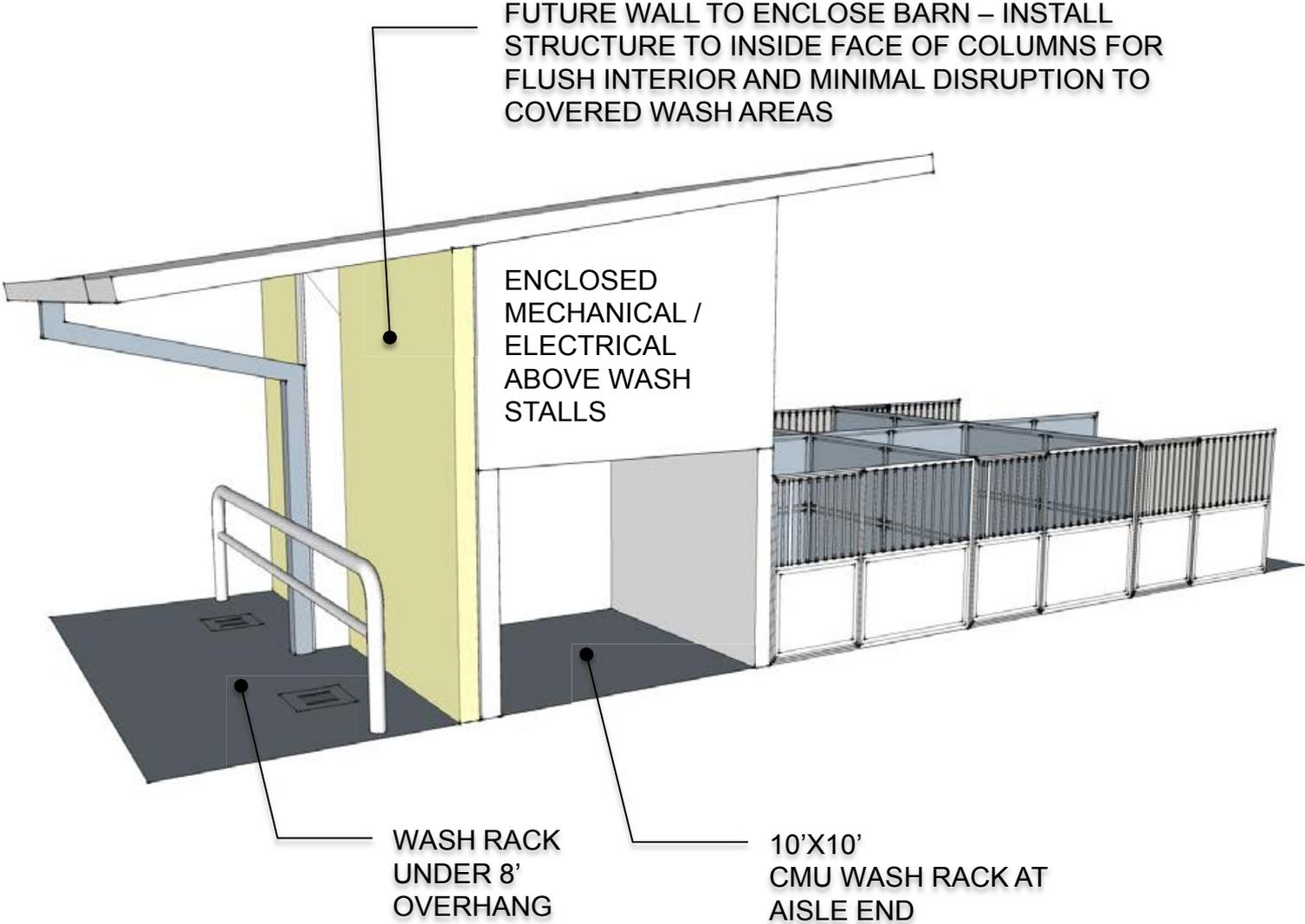
STRUCTURE. phase 3



WASH STALL CONCEPT.



WASH STALL CONCEPT.



RESTROOMS. code requirements

Open Sided Barn Fixture Count:

Building Configuration	Men' Fixtures	Women's Fixtures	Unisex
100 Stall Barn	4	3	1
300 Stall Barn	8	6	1

Note:

Code required fixture counts –

100 Stall Option: 1 men's, 2 women's

300 Stall Option: 1 men's, 2 women's

Assuming Utility (agricultural building) designation per 2009 IBC

RESTROOMS. code requirements

Enclosed Barn Fixture Count:

Building Configuration	Men' Fixtures	Women's Fixtures	Unisex
300 Stall Barn	16	30	1

Note:

Code required fixture counts –

300 Stall Option: 15 men's, 29 women's

Assuming A3 assembly (expo hall) designation per 2009 IBC

Populous recommends discussion of these fixture counts with the AHJ – given the nature of the building's use and proximity to existing onsite restrooms a smaller number of fixtures might be negotiated.

COST ESTIMATE. comparison

100 Stall Open: \$2.25 million

300 Stall Open: \$5.29 million

300 Stall Enclosed: \$7.35 million

Demolition: \$146,322

48,774 square feet – estimated \$3 per square foot demolition cost

COST ESTIMATE. square foot cost

100 Stall Open: \$77 / square foot

300 Stall Open: \$76 / square foot

300 Stall Enclosed: \$106 / square foot

COST ESTIMATE. open sided 100 stalls

Phase 1 - 100 Stall Open Sided Barn Program Summary

Room / Functional Space	Total Structure gsf	Total Conceptual Estimate		
		Low	High	Average
A. Barn	23,400	\$1,544,400	\$2,060,400	\$1,802,400
PROBABLE DIRECT CONSTRUCTION COST		\$1,544,400	\$2,060,400	\$1,802,400
CONTRACTOR P&O, BOND, ETC.	10%	\$154,440	\$206,040.00	\$180,240.00
DESIGN & CONSTRUCTION CONTINGENCY	10%	\$154,440	\$206,040	\$180,240
DESIGN & ENGINEERING FEES	4%	\$74,131	\$98,899	\$86,515
FURNITURE/FIXTURES/EQUIPMENT (FF&E)	0%	\$0	\$0	\$0
TOTAL PROJECT COST		\$1,927,411	\$2,571,379	\$2,249,395

NOTE: All costs February 2016, Based on Approved Schematic Design Drawings

NOTE: Order of magnituded costs based on actual bids and project estimates for similar Populous projects projects, assumptions and allowances. They are presented for informational purposes and not warranted. Actual cost may vary

NOTE: Costs Not Included: Land acquisition, Demolition of existing structures, Site utility (outside 5' of building), Portable Stalls

COST ESTIMATE. open sided 300 stalls

Phase 2 - 300 Stall Open Sided Barn Program Summary

Room / Functional Space	Total Structure gsf	Total Conceptual Estimate		
		Low	High	Average
A. Barn	55,800	\$3,623,600	\$4,853,600	\$4,238,600
PROBABLE DIRECT CONSTRUCTION COST		\$3,623,600	\$4,853,600	\$4,238,600
CONTRACTOR P&O, BOND, ETC.	10%	\$362,360	\$485,360.00	\$423,860.00
DESIGN & CONSTRUCTION CONTINGENCY	10%	\$362,360	\$485,360	\$423,860
DESIGN & ENGINEERING FEES	4%	\$173,933	\$232,973	\$203,453
FURNITURE/FIXTURES/EQUIPMENT (FF&E)	0%	\$0	\$0	\$0
TOTAL PROJECT COST		\$4,522,253	\$6,057,293	\$5,289,773

NOTE: All costs February 2016, Based on Approved Schematic Design Drawings

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NOTE: Costs Not Included: Land acquisition, Demolition of existing structures, Site utility (outside 5' of building), Portable Stalls

COST ESTIMATE. enclosed 300 stalls

Phase 3 - 300 Stall Enclosed Barn Program Summary

Room / Functional Space	Total Structure gsf	Total Conceptual Estimate		
		Low	High	Average
A. Barn	55,800	\$5,378,400	\$6,404,400	\$5,891,400
PROBABLE DIRECT CONSTRUCTION COST		\$5,378,400	\$6,404,400	\$5,891,400
CONTRACTOR P&O, BOND, ETC.	10%	\$537,840	\$640,440.00	\$589,140.00
DESIGN & CONSTRUCTION CONTINGENCY	10%	\$537,840	\$640,440	\$589,140
DESIGN & ENGINEERING FEES	4%	\$258,163	\$307,411	\$282,787
FURNITURE/FIXTURES/EQUIPMENT (FF&E)	0%	\$0	\$0	\$0
TOTAL PROJECT COST		\$6,712,243	\$7,992,691	\$7,352,467

NOTE: All costs February 2016, Based on Approved Schematic Design Drawings

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DRAWING PEOPLE TOGETHER

CURRY COUNTY FAIRGROUNDS BARN DESIGN



QUESTIONS?