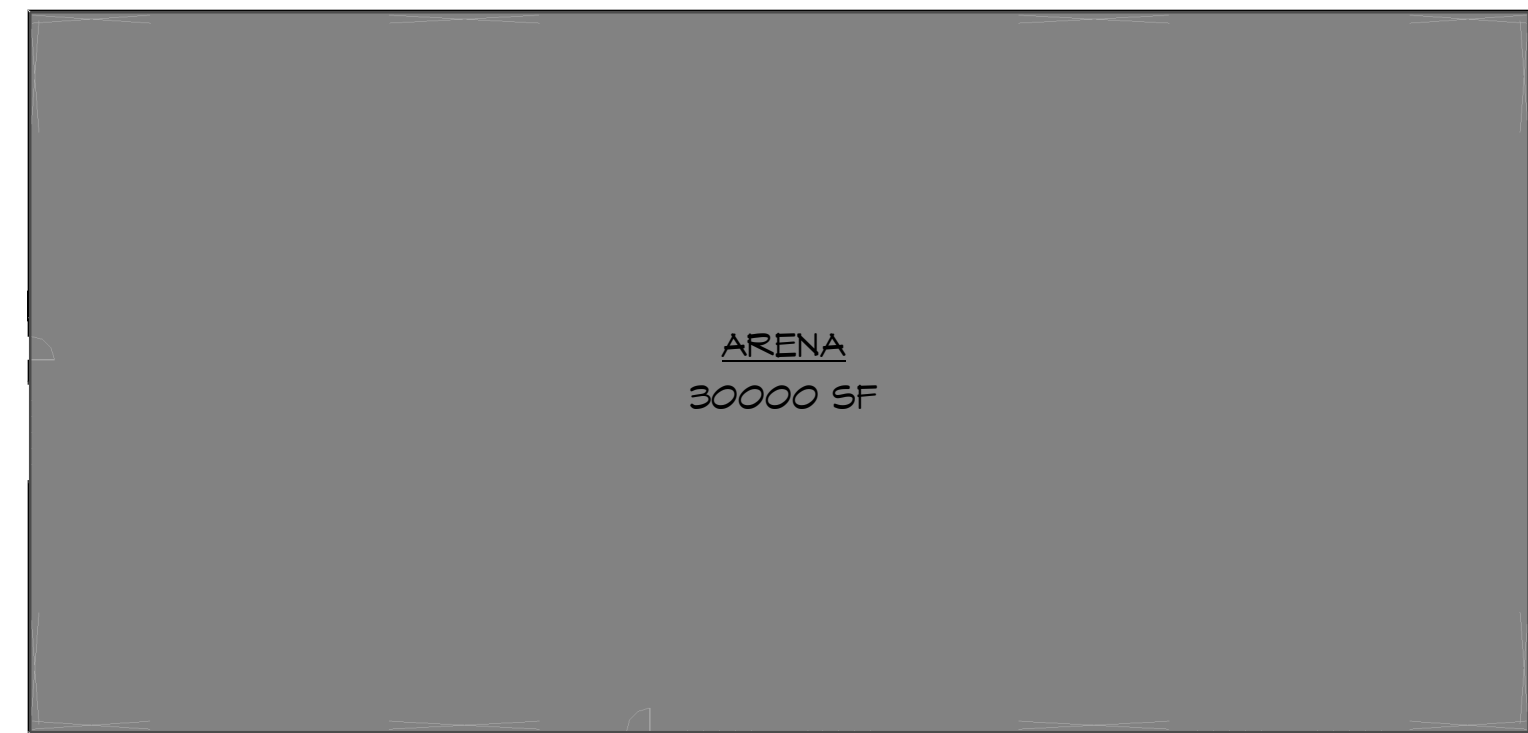


While the Home Ranch is now operating as a private family ranch and CLOSED TO THE PUBLIC, we wish to understand the replacement of the 30,000-square-foot indoor horse riding arena. The following code analysis information is required to be prepared by the Registered Design Professional and submitted to the Routt County Regional Building Department for review and approval:1. Type of Construction IBC Chapter 62. Occupancy Classification IBC Chapter 3 3. Actual Area/Allowable Area IBC 504 and Table 503Square foot breakdown for each individual useInclude allowable calculations per IBC 506Include mixed occupancy calculations per IBC 302.3, if applicable4. Actual Height/Allowable Height IBC 503, 504 and Table 5035. Actual Stories/Allowable stories IBC 503, 506 and Table 5036. Occupant Load (each individual use) IBC 1004 and Table 1004.1.27. Exits Required/Exits Provided IBC 1013 and Table 1004.1.28. Accessibility IBC 1105 and Table 1108.39. Fire resistance of exterior walls and openings due to fire separation distance IBC TABLE 601 AND 602 and Sections 704, 705, 706, 715

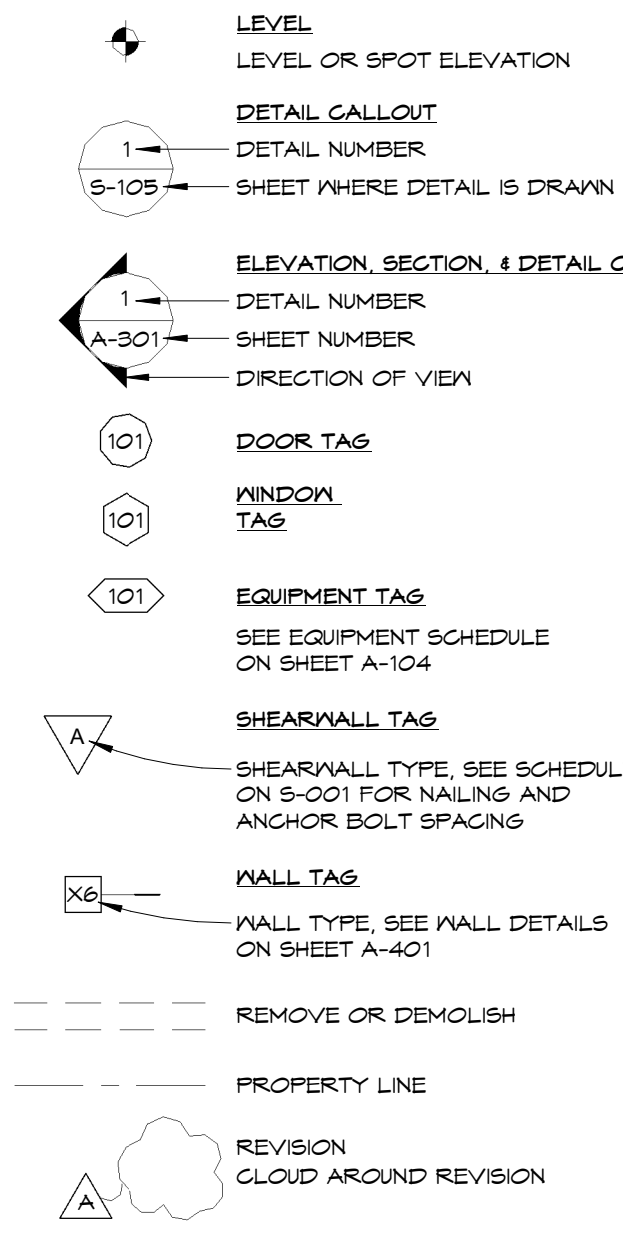


AREA - CONDITIONED SPACE	
NOTE: CONDITIONED SPACE MEASURED FROM EXTERIOR SURFACES OF EXTERIOR FRAMING & HEAD CLEARANCE ABOVE 48"	
OUTDOOR	
ARENA	30000 SF
	30000 SF
GRAND TOTAL	30000 SF

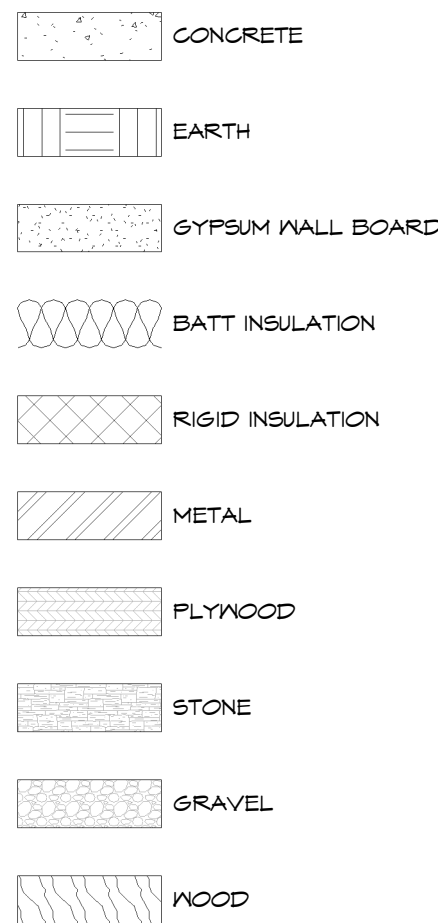
7 AREA PLAN

1/32" = 1'-0"

AFF	ADJ	ASG	A/C	ALT	ALUM	AB	ABV	ARCH.	ASPH	BLK	BLKG	BD	BLDG	CAB.	CPT	CLG	CL	CT	CO	COL	CONC	CHU	CJ	CONT	CF	GY	DEMO.	DET	DN	DS	DN	ELEC	EQ	EQUIP	EN	EX		
ADJACENT	ADJACENT	AGGREGATE	AIR CONDITIONING	ALTERNATE	ALUMINUM	ANCHOR BOLT	ABOVE	ARCHITECT (-URAL)	ASPHALT	BLOCK	BLOCKING	BOARD	BUILDING	CABINET	CARPET (ED)	CEILING	CENTERLINE	CERAMIC TILE	CLEANOUT	COLUMN	CONCRETE	CONCRETE MASONRY UNIT	CONTROL JOINT	CONTINUOUS OR CONTINUE	CUBIC FOOT	CUBIC YARD	DEMOLISH	DETAIL	DIAMETER	DOWN	DOWNSPOUT	DISHWASHER	ELECTRIC (AL)	EQUAL	EQUIPMENT	EDGE NAIL	EXISTING	
FC	FRP	FFL	FE	FD	FTG	FND	GA	GALV	GB	GLB	GSN	GNB	HWD	HVAC	HSS	HB	ID	INSUL	INT	KIT.	LAB	LAM	LAV	LH	LF	LVL	LVL	LVL	LVL	MH	MFR	MAT.	MAX.	MECH	MTL	MM	MIN.	MISC
FRAMING CLIP	FIBER REINFORCED PLASTIC	FINISHED FLOOR LINE	FIRE EXTINGUISHER	FLOOR DRAIN	FOOTING	FOUNDATION	GAUGE	GALVANIZED	GRAB BAR	GLULAM BEAM	GENERAL STRUCTURAL NOTES	GYPSUM WALL BOARD	HARDWOOD	HEATING/VENTILATING/A/C	HOLLOW STRUCTURAL STEEL	HOSE BIBB	INSIDE DIAMETER	INSULATE (D), (ION)	INTERIOR INV INVERT	KITCHEN	LABORATORY	LAMINATE (D)	LAVATORY	LEFT HAND	LINEAR FEET	LAMINATED VENEER LUMBER	LAMINATED STRAND LUMBER	MANHOLE	MANUFACTURE (ER)	MATERIAL (S)	MAXIMUM	MECHANICAL (-LY)	METAL	MILLIMETER (S)	MINIMUM	MISCELLANEOUS		
NIC	NTS	OC	OD	OV	PEN	PT	PTD	PLAM	FL	PLYND	PVC	PSF	PSI	QT	RCA	REF	REINF	REQD	ROA	RH	RBT	SCH	SLR	SECT	SHT	SV	SIM	SG	SPEC.	SF	SQ	SS	STD	STL	SD	SUSP	SW	SIN
NOT IN CONTRACT	NOT TO SCALE	ON CENTER (S)	OUTSIDE DIAMETER	OVEN	PENETRATION	PRESSURE TREATED	PAPER TONEL DISPENSER	PLASTIC LAMINATE	PLATE PROPERTY LINE	PLYWOOD	POLYVINYL CHLORIDE	POUNDS PER SQUARE FOOT	POUNDS PER SQUARE INCH	QUARRY TILE	RAISED CENTER AISLE	REFRIGERATOR	REINFORCE (D), (NG)	REQUIRED	RIGHT OF WAY	ROOM	RUBBER BASE	RUBBER TILE	SCHEDULE	SEALER (CONCRETE SEALER)	SECTION	SHEET	SHEET VINYL	SIMILAR	SOLID CORE	SPECIFICATION (S)	SQUARE FEET	STAINLESS STEEL	STANDARD	STEEL	STORM DRAIN	SUSPENDED	SHEAR WALL	STEP IN WALL
TEL	TV	TEMP	THK	TPD	T&G	T.O.	TB	TYP	UNO	VFB	VIF	VERT	VB	VCT	VT	VNC	WATER CLOSET	WATER RESISTANT BARRIER	WATER HEATER	WATERPROOFING	WELDED WIRE FABRIC	WEST, WIDTH, WIDE	WINDOW	WITHOUT	WOOD BASE	WOOD	WORKING POINT											



5 SYMBOL LEGEND



4 MATERIAL LEGEND

1 PROJECT DESCRIPTION

OWNER
SCOTT MCFARLANE

CONTRACTOR
REGISTERED DESIGN PROFESSIONAL
ECLIPSE ENGINEERING, P.C.
2140 SW JEFFERSON ST., SUITE 200
PORTLAND, OR 97201
CONTACT: SCOTT RATTERMAN, P.E.
503.395.1229
SRATTERMAN@EEIEMT.COM

2 PROJECT DIRECTORY

- CONTACT EACH MUNICIPAL, GOVERNMENTAL, OR PRIVATE UTILITY COMPANIES TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
- SCHEDULE AND COORDINATE ALL SHUT DOWNS OF EXISTING UTILITIES WITH THE OWNER IN ADVANCE A MINIMUM OF SEVEN (7) DAYS PRIOR TO SHUT DOWN.
- PROVIDE ALL REQUIRED EROSION CONTROL MEASURES PRIOR TO ANY EXCAVATION.
- A CHEMICAL TOILET IS REQUIRED ON-SITE DURING CONSTRUCTION.
- OTHER WORK MAY BE PERFORMED UNDER A SEPARATE CONTRACT AT THE CLIENT'S PROPERTY. COORDINATE WITH ALL OTHER CONTRACTED TRADES SO AS TO NOT INTERFERE WITH THEIR WORK.
- ALL FASTENERS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE HOT DIPPED GALVANIZED.
- REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL REQUIREMENTS, SIZE SPACING AND LOCATION OF ALL STRUCTURAL MEMBERS.
- STRICTLY FOLLOW ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS WHEN USING OR INSTALLING PRODUCTS.
- ALL DOOR AND WINDOW DIMENSIONS ARE APPROXIMATE. VERIFY MANUFACTURER SPECIFICATIONS FOR EXACT SIZE.
- USE 5/8" TYPE X GYPSUM WALL BOARD THROUGHOUT. PROVIDE WATER RESISTANT GYPSUM WALL BOARD IN RESTROOMS WITH SHOWERS.
- PROVIDE FRAMING AT 16" O.C. MAX AT CEILINGS WHERE WATER RESISTANT GYPSUM WALL BOARD IS INSTALLED.
- FIRE BLOCKING SHALL BE PROVIDED IN STUD CAVITIES OVER 10' IN HEIGHT.
- CONTACT DESIGNER OR ENGINEER OF RECORD TO CONFIRM DIMENSIONS IF NOT LISTED.
- ITEMS LISTED ARE TO BE PROVIDED BY OTHERS. CONTACT OWNER FOR SPECIFICATIONS. DCS IS NOT RESPONSIBLE U.N.O.
- A. FOUNDATION: CONCRETE, ANCHOR BOLTS, FIBER MESH, WATER PROOF MEMBRANE, REBAR, INSULATION
- B. ROOFING: ROOFING MATERIAL, MOISTURE BARRIER, VENTING, GUTTERS, FLASHING, NAILS, WATER PROOFING
- C. GENERAL: INSULATION, STONE MASONRY, NAILS & SCREWS, PLUMBING & FIXTURES, ELECTRICAL & FIXTURES, MECHANICAL & FIXTURES, CASEWORK, FLOOR FINISH, WALL FINISH, & CEILING FINISH

3 GENERAL NOTES

SHEET INDEX

A-001	TITLE SHEET & GENERAL NOTES
A-002	3D VIEWS
A-101	FLOOR PLANS
A-102	ROOF PLAN
A-103	SCHEDULES
A-201	ELEVATIONS
A-301	SECTIONS
S1	GENERAL NOTES, TYPICAL DETAILS, PLAN LEGEND, & ABBREVIATIONS
S2	FOUNDATION PLAN
S-3	DETAILS
1-34	VP BUILDINGS' PLANS

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Drawing Index		
No.	Date	Description

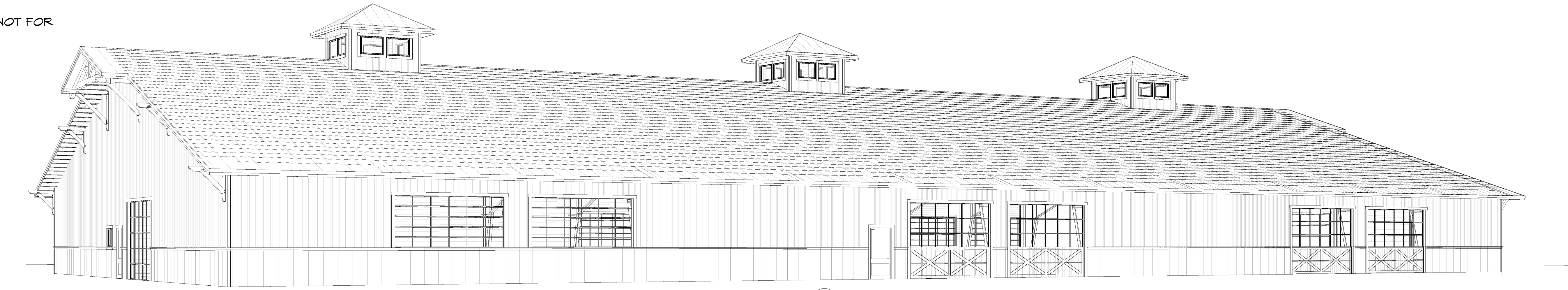
A-001

MCFARLANE ARENA
54880 CR 129
CLARK, CO 80428

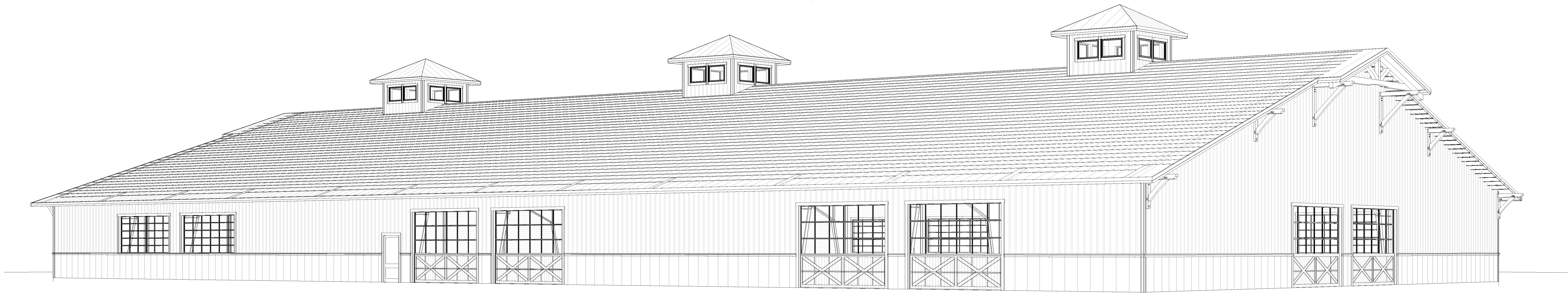
TITLE SHEET &
GENERAL NOTES



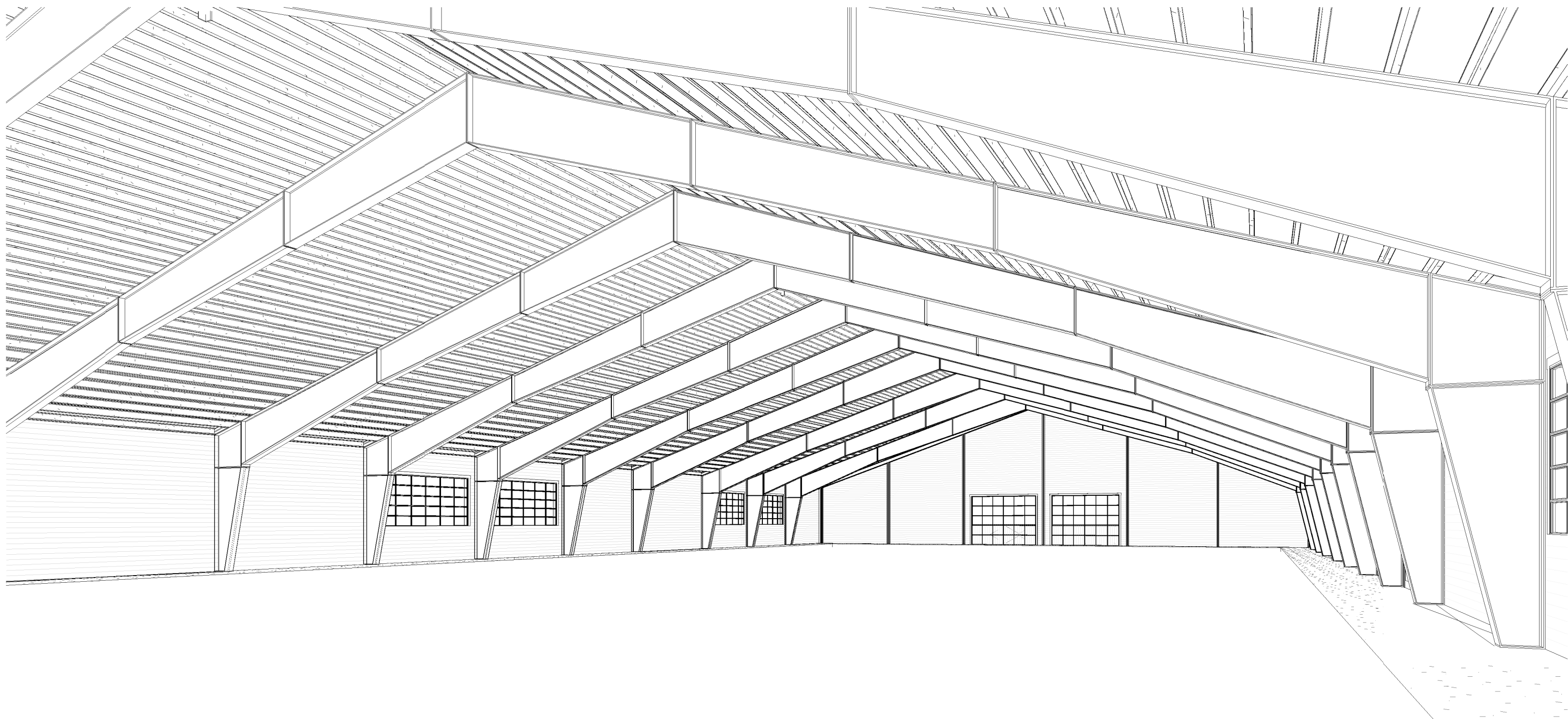
DISCLAIMER:
ALL 3D IMAGES ARE AN
APPROXIMATE ONLY. ALL 3D
IMAGES ARE SHOWN FOR
ILLUSTRATION PURPOSES ONLY. 2D
DRAWINGS SHALL SUPERCEDE ALL
ITEMS SHOWN ON 3D IMAGES. THIS
SHEET IS PROVIDED AS A
REPRESENTATION AND IS "NOT FOR
CONSTRUCTION"



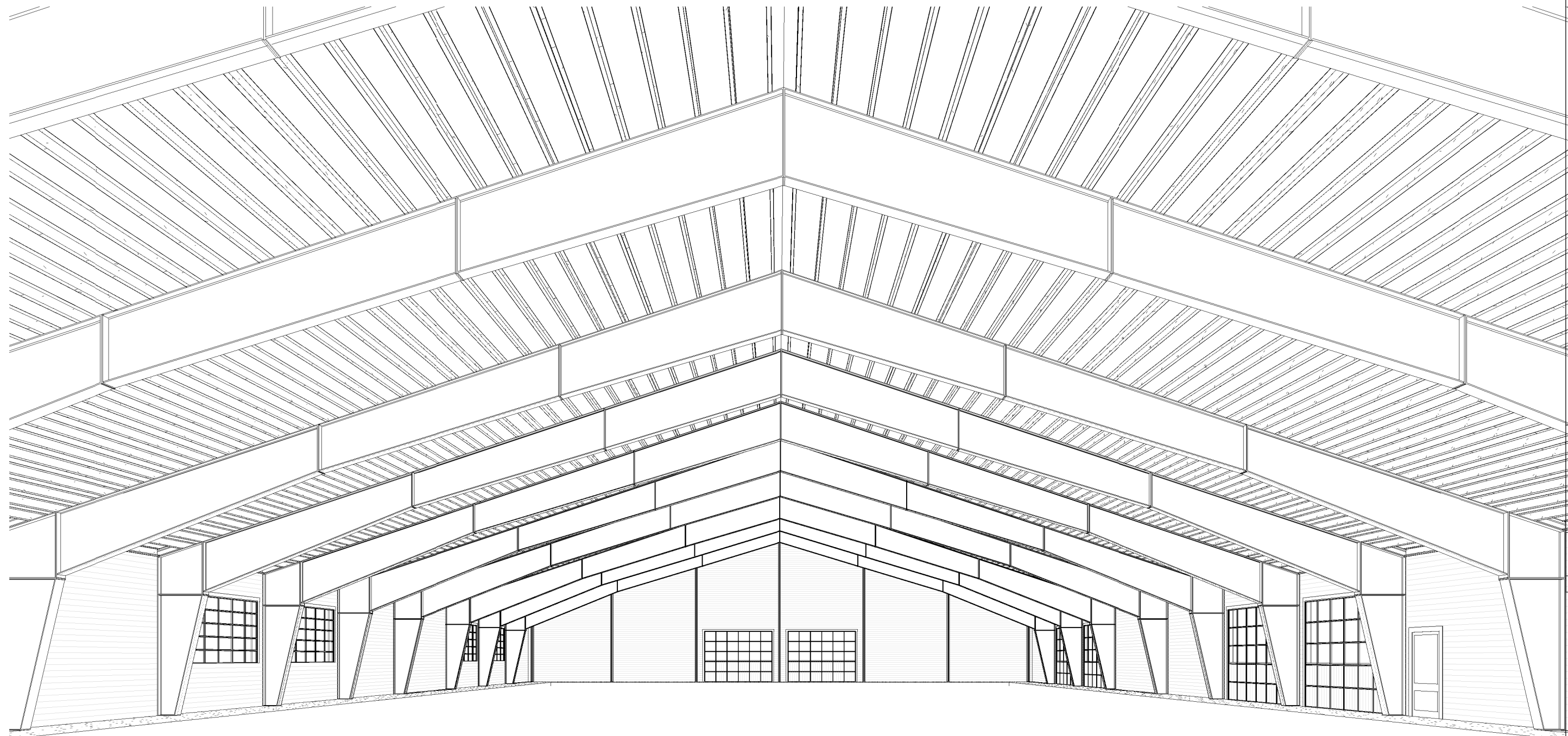
1 3D VIEW - EXTERIOR A



2 3D VIEW - EXTERIOR B



3 3D VIEW - INTERIOR A



4 3D VIEW - INTERIOR B

11251 SE 232nd AVE



DAMASCUS, OR 97089

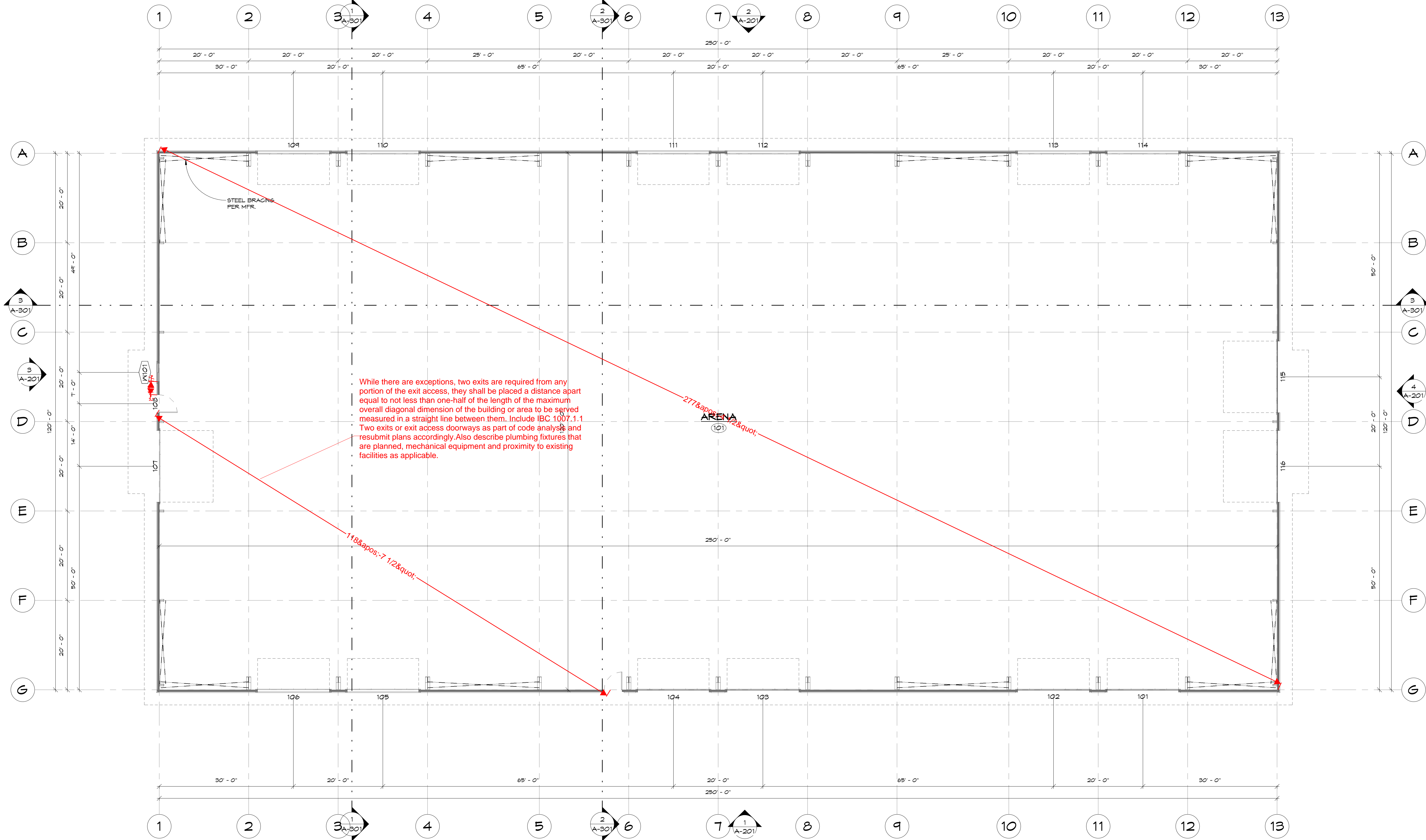
McFARLANE ARENA
54880 CR 129
CLARK, CO 80428

3D VIEWS

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Drawing Index		
No.	Date	Description

A-002



1 MAIN LEVEL
3/32" = 1'-0"

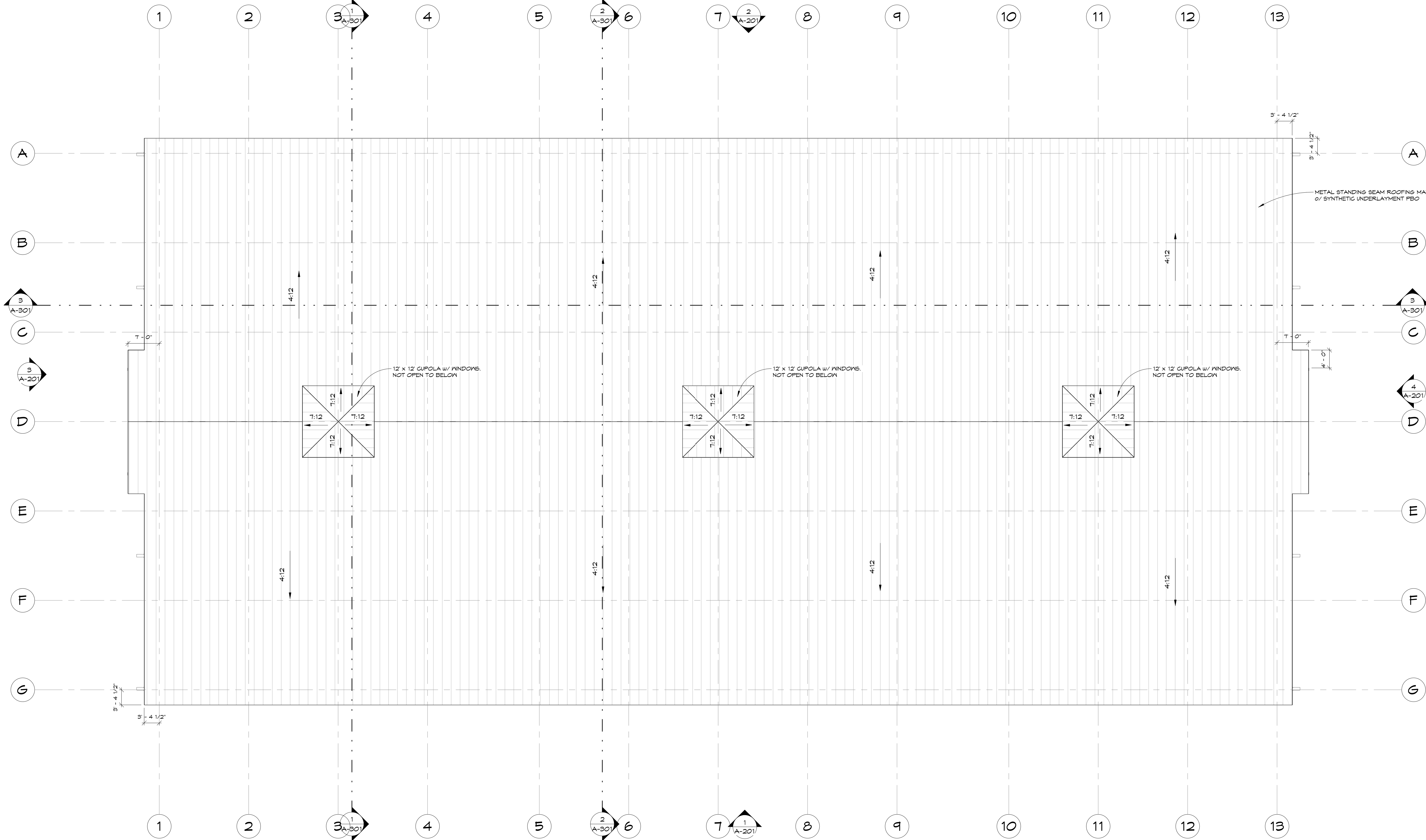
AREA - CONDITIONED SPACE	
NOTE: CONDITIONED SPACE MEASURED FROM EXTERIOR SURFACES OF EXTERIOR FRAMING & HEAD CLEARANCE ABOVE 48"	
OUTDOOR ARENA	30000 SF
OUTDOOR	30000 SF
GRAND TOTAL	30000 SF

Room Schedule							
NOTE: ROOM AREA MEASURED FROM INTERIOR OF STUD WALL OR USEABLE SPACE.							
Number	Name	Area	Floor Finish	Wall Finish	Ceiling	Height	Comments
					Material		
MAIN LEVEL							
101	ARENA	30000 SF	FOOTING BY OTHERS	BY OTHERS	-	VARIES	
		30000 SF					

Door Schedule Main Level						
SEE SCHEDULES SHEET FOR DOOR TYPES AND COMPLETE SCHEDULE						
Mark	Type	Width	Height	Operation	Provided By	Comments
MAIN LEVEL						
101	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
102	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
103	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
104	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
105	B	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
106	B	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
107	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
108	C	4' - 0"	8' - 0"	SWING	DCS	
109	B	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
110	B	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
111	B	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
112	B	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
113	B	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
114	B	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
115	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
116	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	DCS	
117	C	4' - 0"	8' - 0"	SWING	DCS	

Window Schedule Main Level						
SEE SCHEDULES SHEET FOR WINDOW TYPES AND COMPLETE SCHEDULE						
Mark	Type	Rough Opening Width	Head Height	Sill Height	Operation	Provided By
		Width	Height	(BTM of HDR)	(TOP of SILL)	
101	B	4' - 0"	3' - 0"	3' - 0"	5' - 0"	GLIDING DCS

FLOOR PLAN GENERAL NOTES
NOTES APPLY TO SHEET(S) A-101 & A-102 ONLY.
1. REFERENCE SHEET A-101 FOR WALL TYPES AND DETAILS.
2.



1 ROOF PLAN
3/32" = 1'-0"

ROOF PLAN GENERAL NOTES

NOTES APPLY TO SHEET(S) A-103 ONLY.
1. ROOFING MATERIAL, UNDERLAYMENT, FLASHING PROVIDED BY OTHERS.

11251 SE 232nd AVE



DAMASCUS, OR 97089

McFARLANE ARENA
54880 CR 129
CLARK, CO 80428

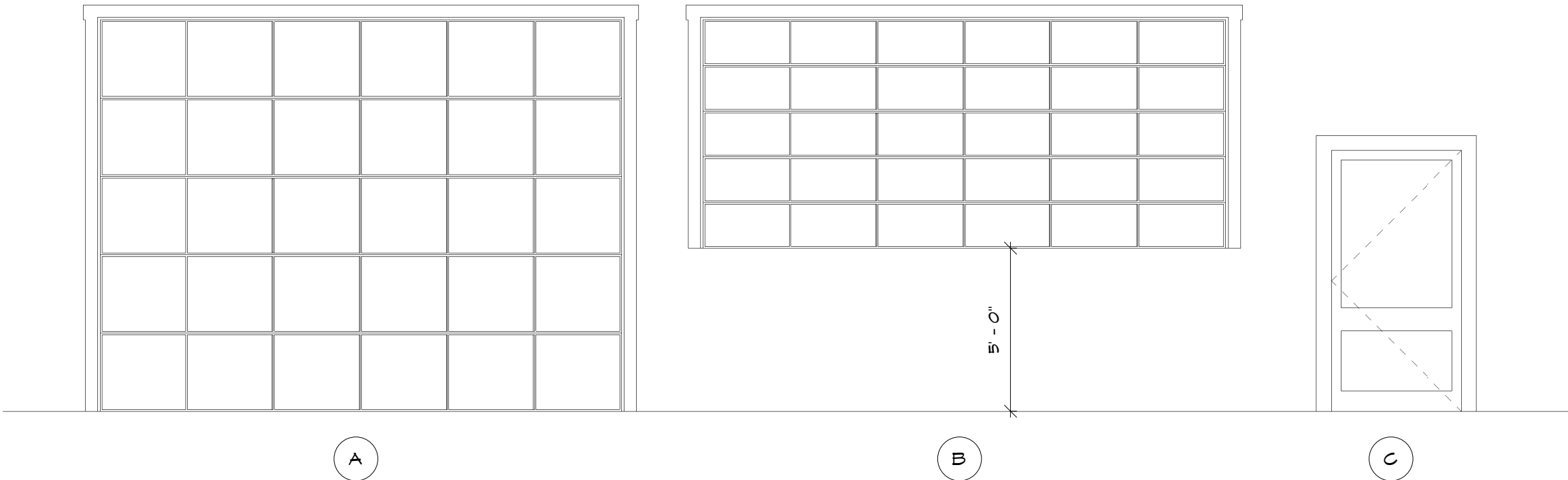
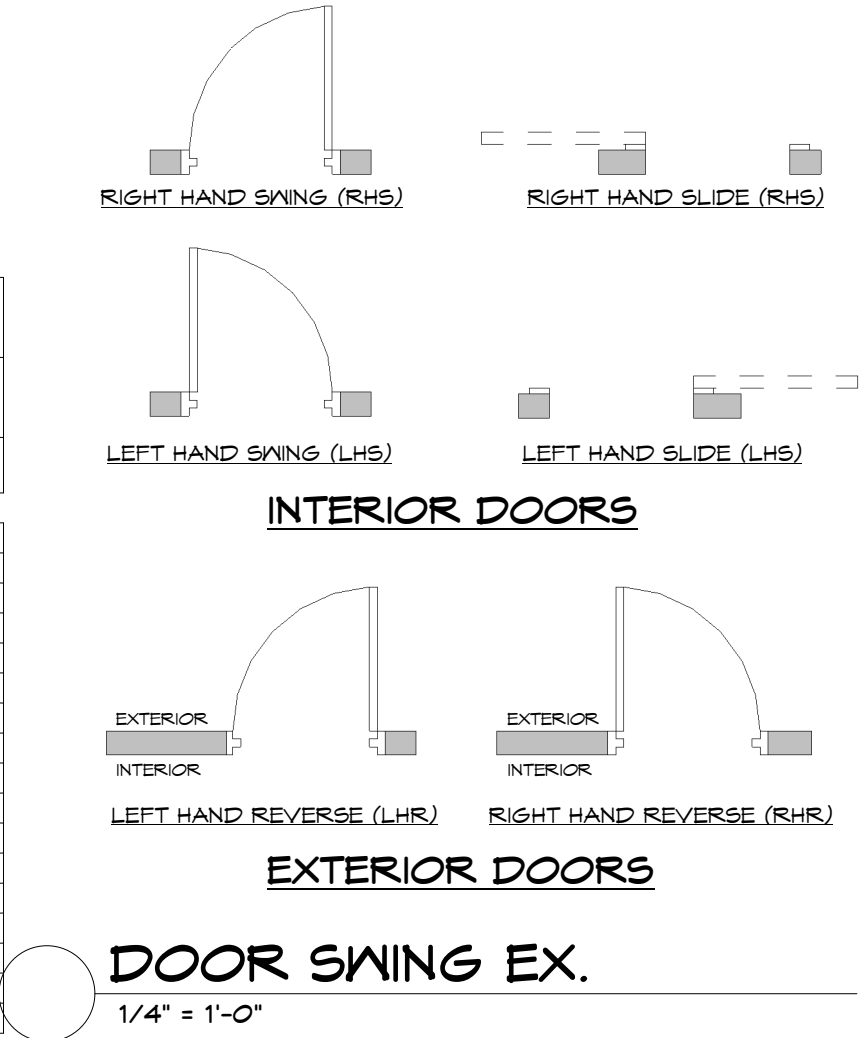
ROOF PLAN

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Drawing Index		
No.	Date	Description

AREA - CONDITIONED SPACE		
NOTE: CONDITIONED SPACE MEASURED FROM EXTERIOR SURFACES OF EXTERIOR FRAMING & HEAD CLEARANCE ABOVE 48"		
OUTDOOR		
ARENA	30000 SF	OUTDOOR
GRAND TOTAL	30000 SF	

Door Schedule									
NOTE: REFERENCE MANUFACTURER SPECS FOR WINDOW INSTALLATION. DIMENSIONS ARE APPROXIMATE, VERIFY MANUFACTURER SPECIFICATIONS FOR EXACT SIZE.									
Mark	Type	Width	Height	Operation	Door Swing	Grade	Manufacturer	Provided By	Comments
MAIN LEVEL									
101	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
102	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
103	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
104	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
105	B	16' - 0"	T - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
106	B	16' - 0"	T - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
107	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
108	C	4' - 0"	8' - 0"	SWING	RHS	EXTERIOR	PELLA LIFESTYLE	DCS	
109	B	16' - 0"	T - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
110	B	16' - 0"	T - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
111	B	16' - 0"	T - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
112	B	16' - 0"	T - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
113	B	16' - 0"	T - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
114	B	16' - 0"	T - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
115	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
116	A	16' - 0"	12' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
117	C	4' - 0"	8' - 0"	SWING	RHS	EXTERIOR	PELLA LIFESTYLE	DCS	



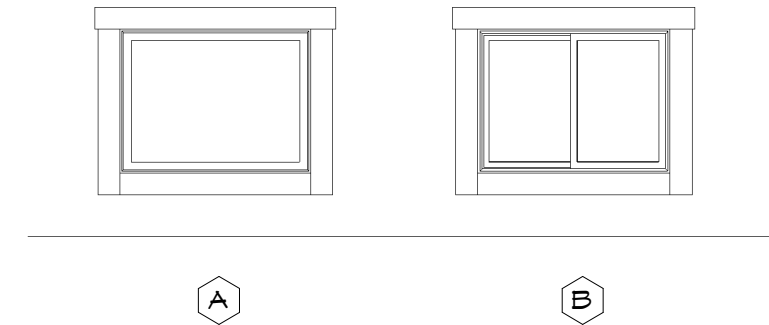
NOTE: LEGENDS ARE VISUAL REPRESENTATIONS OF DOOR STYLE.
ACTUAL DOORS MAY DIFFER IN APPEARANCE

DOOR TYPES

1/4" = 1'-0"

Room Schedule							
NOTE: ROOM AREA MEASURED FROM INTERIOR OF STUD WALL OR USEABLE SPACE.							
Number	Name	Area	Floor Finish	Wall Finish	Ceiling		Comments
					Material	Height	
MAIN LEVEL							
101	ARENA	30000 SF	FOOTING BY OTHERS	BY OTHERS	-	VARIES	
		30000 SF					

Window Schedule									
NOTE: REFERENCE MANUFACTURER SPECS FOR WINDOW INSTALLATION. DIMENSIONS ARE APPROXIMATE, VERIFY MANUFACTURER SPECIFICATIONS FOR EXACT SIZE.									
Mark	Type	Width	Height	Head Height (BTM of HDR)	Sill Height (TOP of HDR)	Operation	Manufacturer	Provided By	Comments
MAIN LEVEL									
W101	B	4' - 0"	3' - 0"	3' - 0"	3' - 0"	SLIDING	PELLA LIFESTYLE	DCS	
T.O. RIDGE									
W201	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W202	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W203	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W204	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W205	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W206	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W207	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W208	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W209	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W210	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W211	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W212	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W213	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W214	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W215	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W216	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W217	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W218	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W219	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W220	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W221	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W222	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W223	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W224	A	4' - 0"	3' - 0"	3' - 6"	6"	PICTURE	PELLA LIFESTYLE	DCS	



NOTE: LEGENDS ARE VISUAL REPRESENTATIONS OF DOOR STYLE.
ACTUAL WINDOWS MAY DIFFER IN APPEARANCE

WINDOW TYPES

1/4" = 1'-0"

11251 SE 232nd AVE



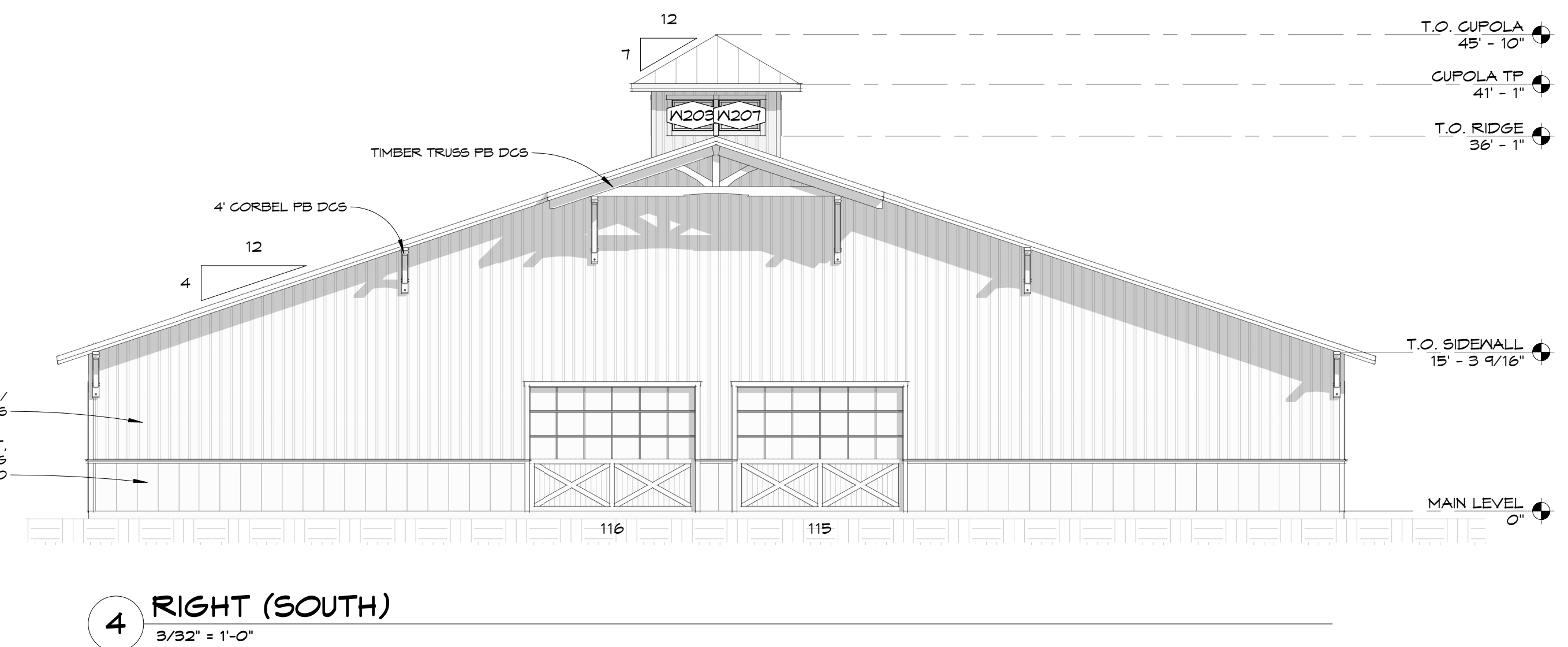
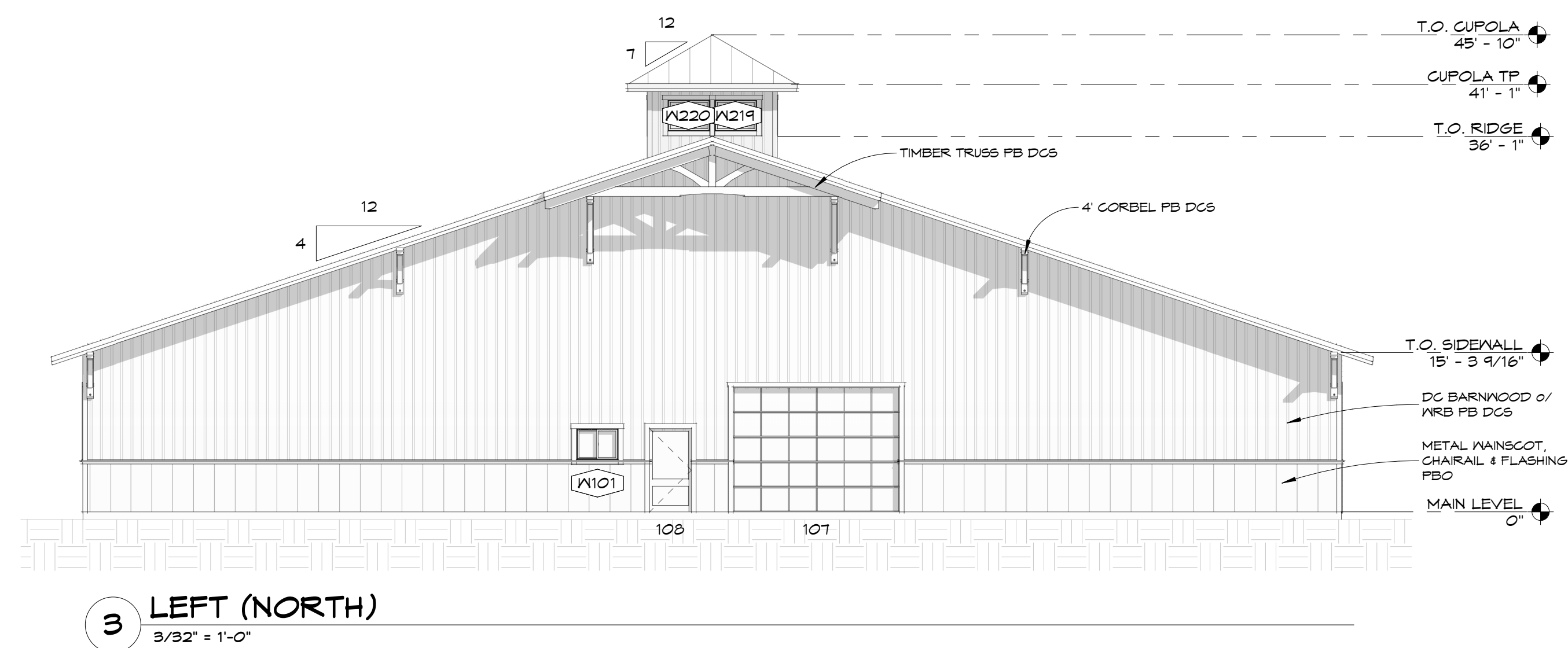
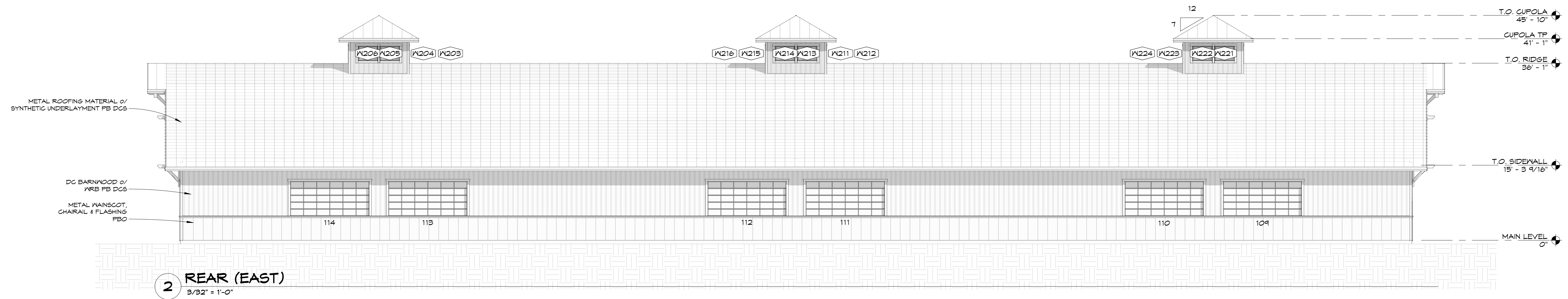
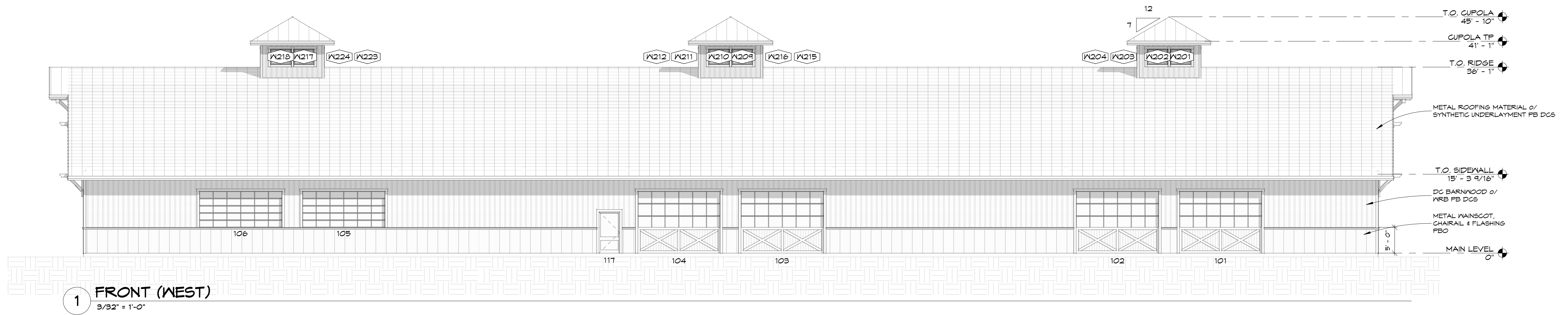
DAMASCUS, OR 97089

MCFARLANE ARENA
54880 CR 129
CLARK, CO 80428

SCHEDULES

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Drawing Index
No. Date Description



ELEVATION GENERAL NOTES

NOTES APPLY TO SHEET(S) A-201 & A-202 ONLY.

2. -

11251 SE 232nd AVE



DAMASCUS, OR 97089

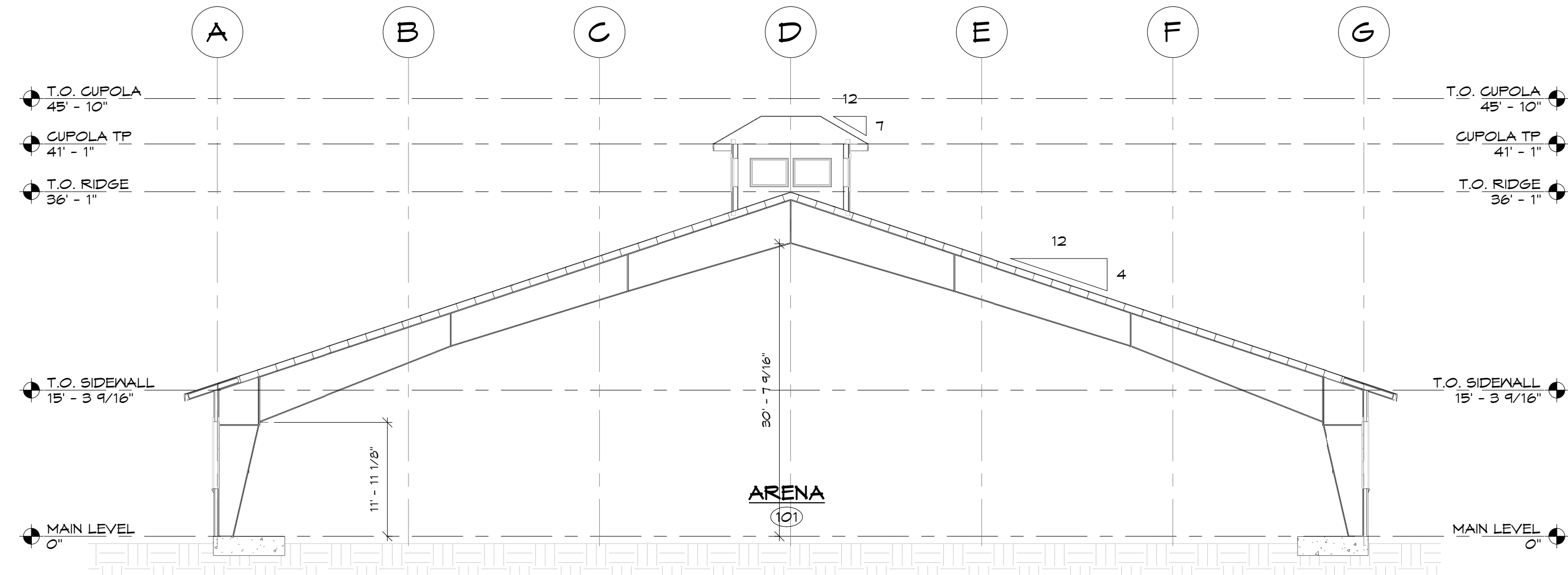
McFARLANE ARENA
54880 CR 129
CLARK, CO 80428

ELEVATIONS

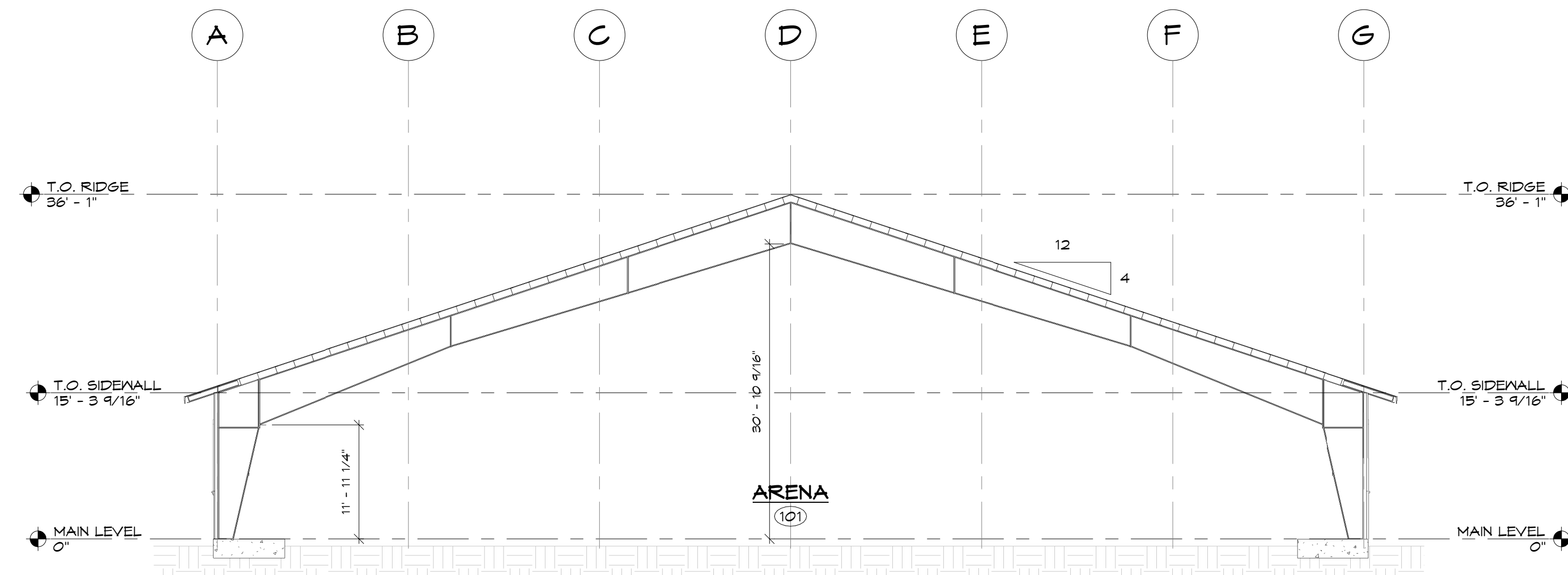
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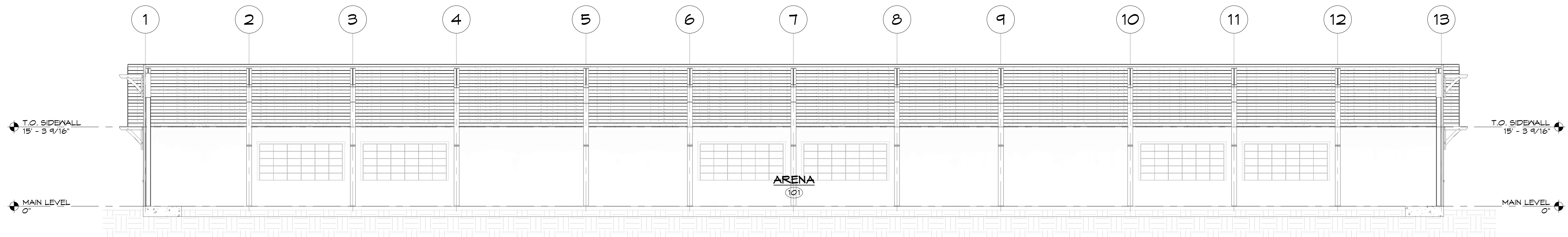
A-201



1 BUILDING SECTION A
3/32" = 1'-0"



2 BUILDING SECTION B
3/32" = 1'-0"



3 BUILDING SECTION C
3/32" = 1'-0"

SECTION GENERAL NOTES

NOTES APPLY TO SHEET(S) A-301 ONLY

- CLIMATE ZONE TB:
A. WINDOVS:
a. FENESTRATION U-FACTOR : 0.30
b. SKYLIGHT U-FACTOR: 0.55
c. GLAZED FENESTRATION SHGC: NR
B. INSULATION:
a. CEILING R-VALUE: R-49
b. WOOD FRAME WALL R-VALUE: R-20+5 OR R-22+R-3 OR R-21+0

11251 SE 232nd AVE



DAMASCUS, OR 97089

McFARLANE ARENA
54880 CR 129
CLARK, CO 80428

SECTIONS

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No. Date Description

A-301