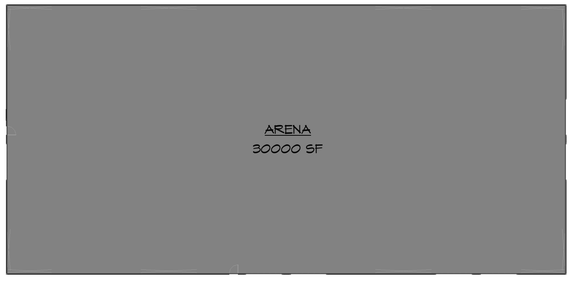
McFARLANE ARENA

54880 CR 129
CLARK, CO 80428



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	

7 AREA PLAN

1/32" = 1'-0"

6 ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	FG	FRAMING CLIP	NIC	NOT IN CONTRACT
ADJ	ADJACENT	FRP	FIBER REINFORCED PLASTIC	NTS	NOT TO SCALE
AGG	AGGREGATE	FFL	FINISHED FLOOR LINE		
A/C	AIR CONDITIONING	FE	FIRE EXTINGUISHER	OC	ON CENTER (S)
ALT	ALTERNATE	FD	FLOOR DRAIN	OD	OUTSIDE DIAMETER
ALUM	ALUMINUM	FTG	FOOTING	OV	OVEN
AB	ANCHOR BOLT	FND	FOUNDATION		
ABV	ABOVE			PEN	PENETRATION
ARCH.	ARCHITECT (-URAL)	GA	GAUGE	PT	PRESSURE TREATED
ASPH	ASPHALT	GALV	GALVANIZED	PTD	PAPER TOWEL DISPENSER
		GB	GRAB BAR	PLAM	PLASTIC LAMINATE
BLK	BLOCK	GLB	GLULAM BEAM	PL	PLATE, PROPERTY LINE
BLKG	BLOCKING	GSN	GENERAL STRUCTURAL NOTES	PLYND	PLYWOOD
BD	BOARD	GWB	GYPSUM WALL BOARD	PVC	POLYVINYL CHLORIDE
BLDG	BUILDING			PSF	POUNDS PER SQUARE FOOT
		HWD	HARDWOOD	PSI	POUNDS PER SQUARE INCH
CAB.	CABINET	HVAC	HEATING/VENTILATING/A/C		
CPT	CARPET (ED)	HSS	HOLLOW STRUCTURAL STEEL	QT	QUARRY TILE
CLG	CEILING	HB	HOSE BIBB		
CL	CENTERLINE			RCA	RAISED CENTER AISLE
CT	CERAMIC TILE	ID	INSIDE DIAMETER	REF	REFRIGERATOR
CO	CLEANOUT	INSUL	INSULATE (D), (ION)	REINF	REINFORCE (D), (ING)
COL	COLUMN	INT	INTERIOR INV INVERT	REQD	REQUIRED
CONC	CONCRETE			ROW	RIGHT OF WAY
CMU	CONCRETE MASONRY UNIT	KIT.	KITCHEN	RM	ROOM
CJ	CONTROL JOINT			RB	RUBBER BASE
CONT	CONTINUOUS OR CONTINUE	LAB	LABORATORY	RBT	RUBBER TILE
CF	CUBIC FOOT	LAM.	LAMINATE (D)		
CY	CUBIC YARD	LAV	LAVATORY	SCH	SCHEDULE
		LH	LEFT HAND	SLR	SEALER (CONCRETE SEALER)
DEMO.	DEMOLISH	LF	LINEAR FEET	SECT	SECTION
DET	DETAIL	LVL	LAMINATED VENEER LUMBER	SHT	SHEET
DIA	DIAMETER	LSL	LAMINATED STRAND LUMBER	SV	SHEET VINYL
DN	DOWN			SIM	SIMILAR
DS	DOWNSPOUT	MH	MANHOLE	SC	SOLID CORE
DW	DISHWASHER	MFR	MANUFACTURE (ER)	SPEC.	SPECIFICATION (S)
		MAT.	MATERIAL (S)	SF	SQUARE FEET
ELEC	ELECTRIC (AL)	MAX.	MAXIMUM	SQ	SQUARE
EQ	EQUAL	MECH	MECHANICAL (-LY)	SS	STAINLESS STEEL
EQUIP	EQUIPMENT	MTL	METAL	STD	STANDARD
EN	EDGE NAIL	MM	MILLIMETER (S)	STL	STEEL
<E>	EXISTING	MIN.	MINIMUM	SD	STORM DRAIN
		MISC	MISCELLANEOUS	SUSP	SUSPENDED
				SW	SHEAR WALL
				SIW	STEP IN WALL

TEL	TELEPHONE
TV	TELEVISION
TEMP	TEMPERED GLAZING
THK	THICK (NESS)
TPD	TOILET PAPER DISPENSER
T&G	TONGUE AND GROOVE
T.O.	TOP OF
TB	TOWEL BAR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VPB	VAPOR BARRIER
VIF	VERIFY IN FIELD
VERT	VERTICAL
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VF	VINYL FABRIC
VT	VINYL TILE
VWC	VINYL WALL COVERING
WC	WATER CLOSET
WRB	WATER RESISTANT BARRIER
WH	WATER HEATER
WP	WATERPROOFING
WWF	WELDED WIRE FABRIC
W	WEST, WIDTH, WIDE
WDW	WINDOW
W/O	WITHOUT
WB	WOOD BASE
WD	WOOD
WPT	WORKING POINT

5 SYMBOL LEGEND

LEVEL
LEVEL OR SPOT ELEVATION

DETAIL CALLOUT
1 — DETAIL NUMBER
S-105 — SHEET WHERE DETAIL IS DRAWN

ELEVATION, SECTION, & DETAIL CALLOUT
1 — DETAIL NUMBER
A-301 — SHEET NUMBER
DIRECTION OF VIEW

101 — DOOR TAG

101 — WINDOW TAG

101 — EQUIPMENT TAG
SEE EQUIPMENT SCHEDULE ON SHEET A-104

SHEARWALL TAG
A — SHEARWALL TYPE, SEE SCHEDULE ON S-001 FOR NAILING AND ANCHOR BOLT SPACING

WALL TAG
X6 — WALL TYPE, SEE WALL DETAILS ON SHEET A-401

REMOVE OR DEMOLISH

PROPERTY LINE

REVISION
A — CLOUD AROUND REVISION

4 MATERIAL LEGEND

CONCRETE
EARTH
GYPSUM WALL BOARD
BATT INSULATION
RIGID INSULATION
METAL
PLYWOOD
STONE
GRAVEL
WOOD

'PRAIRIE' ARENA MATERIAL PACKAGE

1 PROJECT DESCRIPTION

OWNER
SCOTT MCFARLANE

CONTRACTOR
PAUL STOLL

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@EEIMT.COM

SPECIAL INSPECTOR
Tim Travis
NWCC of Steamboat Springs
2580 Copper Ridge Drive
Steamboat Springs, CO 80487
970.879.7888 - ext 103
ttravis@nwccusa.com

SHEET INDEX

REVIEWED FOR CODE COMPLIANCE
01/27/2022

2 PROJECT DIRECTORY

1. CONTACT EACH MUNICIPAL, GOVERNMENTAL, OR PRIVATE UTILITY COMPANIES TO DETERMINE THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
2. SCHEDULE AND COORDINATE ALL SHUT DOWNS OF EXISTING UTILITIES WITH THE OWNER IN ADVANCE A MINIMUM OF SEVEN (7) DAYS PRIOR TO SHUT DOWN.
3. PROVIDE ALL REQUIRED EROSION CONTROL MEASURES PRIOR TO ANY EXCAVATION.
4. A CHEMICAL TOILET IS REQUIRED ON-SITE DURING CONSTRUCTION.
5. 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.
6. ALL FASTENERS IN CONTACT WITH PRESERVATIVE TREATED WOOD SHALL BE HOT DIPPED GALVANIZED.
7. REFER TO STRUCTURAL DRAWINGS FOR STRUCTURAL REQUIREMENTS; SIZE, SPACING AND LOCATION OF ALL STRUCTURAL MEMBERS.
8. STRICTLY FOLLOW ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS WHEN USING OR INSTALLING PRODUCTS.
9. ALL DOOR AND WINDOW DIMENSIONS ARE APPROXIMATE. VERIFY MANUFACTURER SPECIFICATIONS FOR EXACT SIZE.
10. 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.
11. FIRE BLOCKING SHALL BE PROVIDED IN STUD CAVITIES OVER 10' IN HEIGHT.
12. CONTACT DESIGNER OR ENGINEER OF RECORD TO CONFIRM DIMENSIONS IF NOT LISTED.
13. 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

11251 SE 232nd AVE
DAMASCUS, OR 97089

McFARLANE ARENA
54880 CR 129
CLARK, CO 80428

TITLE SHEET & GENERAL NOTES

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CTR
1/17/2022 6:46:17 AM

Drawing Index

No.	Date	Description

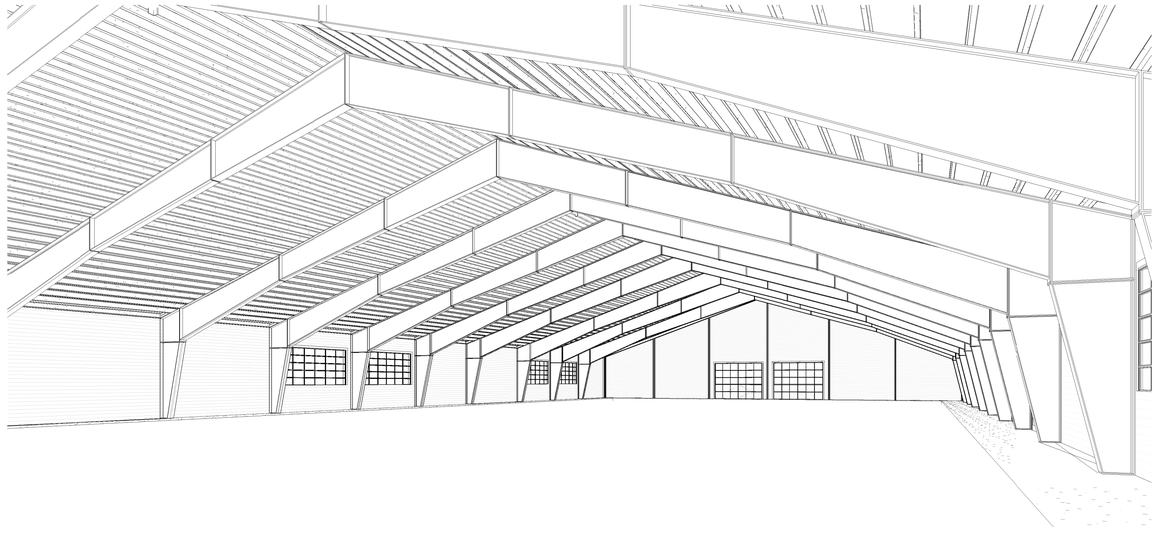
A-001

1/17/2022 6:46:17 AM

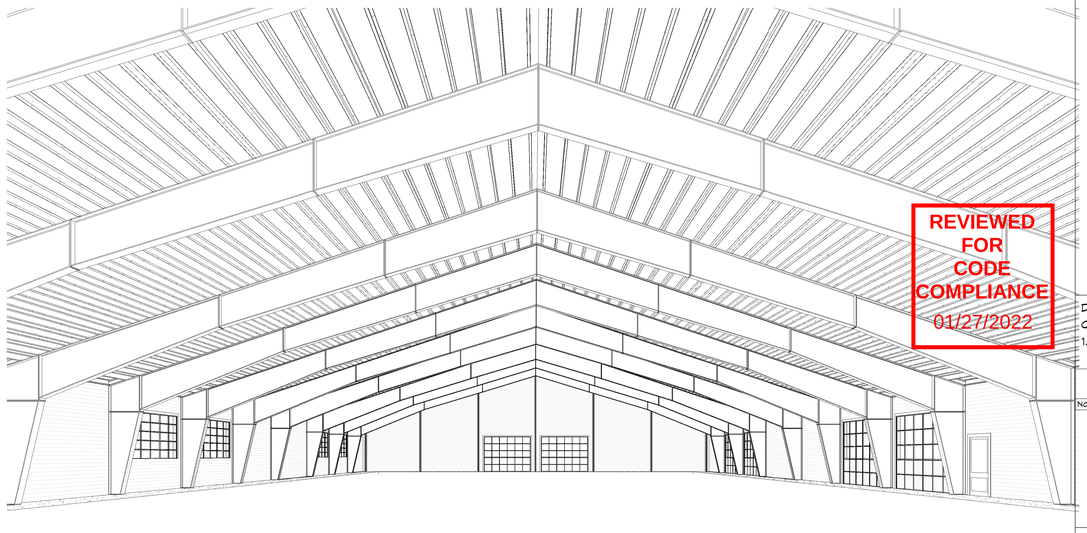
DISCLAIMER:
ALL 3D IMAGES ARE AN APPROXIMATE ONLY. ALL 3D IMAGES ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY. 2D DRAWINGS SHALL SUPERCEDE ALL ITEMS SHOWN ON 3D IMAGES. THIS SHEET IS PROVIDED AS A REPRESENTATION AND IS "NOT FOR CONSTRUCTION"

1 3D VIEW - EXTERIOR A

2 3D VIEW - EXTERIOR B



3 3D VIEW - INTERIOR A



4 3D VIEW - INTERIOR B

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FOR
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11251 SE 232nd AVE

STRUCTURES

DAMASCUS, OR 97089

McFARLANE ARENA

54880 CR 129
CLARK, CO 80428

3D VIEWS

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Drawing Index

No.	Date	Description

A-002

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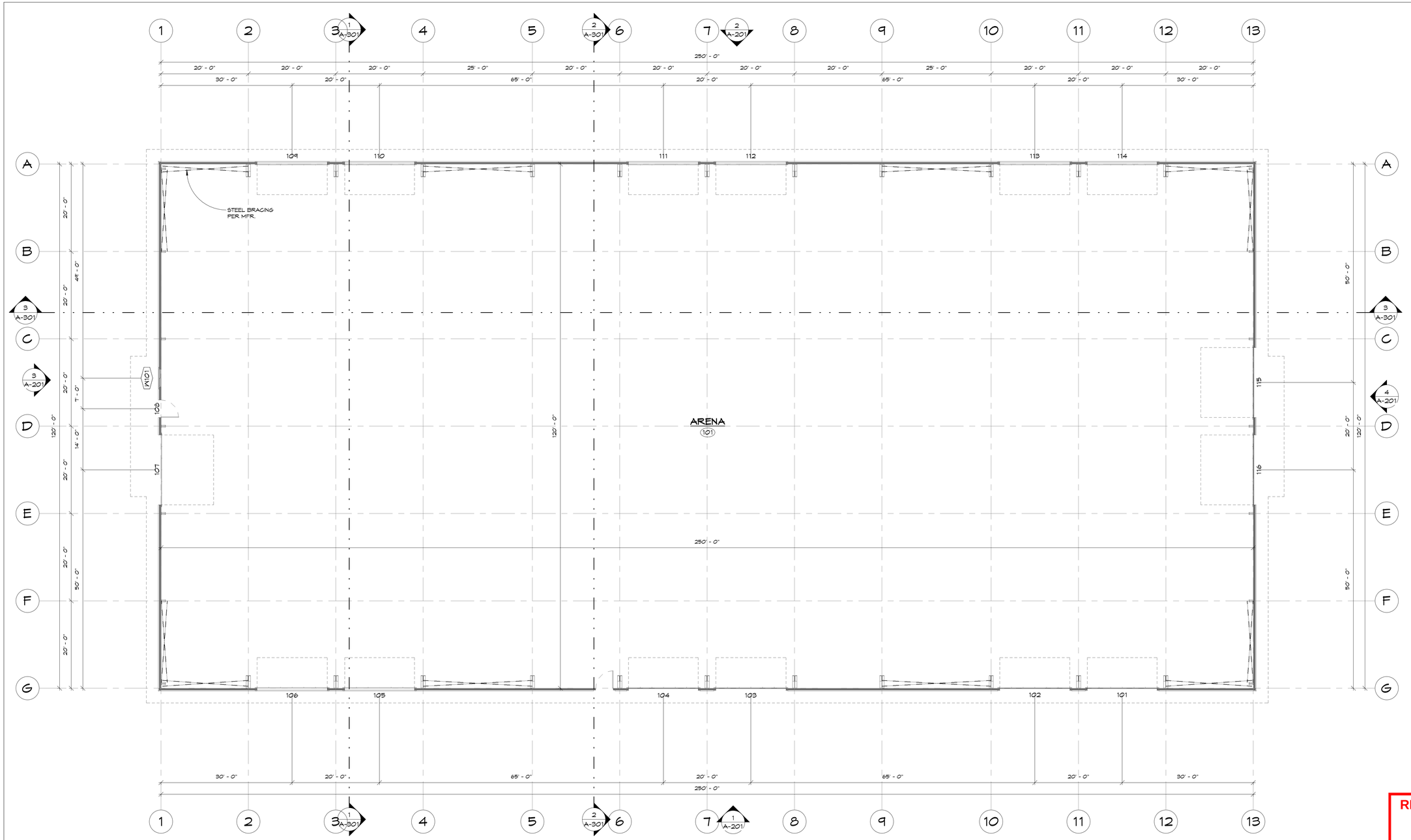

1 MAIN LEVEL
3/32" = 1'-0"

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 Material	Ceiling Height	Comments
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"	7' - 0"	OVERHEAD - GLASS	DCS	
106	B	16' - 0"	7' - 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"	7' - 0"	OVERHEAD - GLASS	DCS	
110	B	16' - 0"	7' - 0"	OVERHEAD - GLASS	DCS	
111	B	16' - 0"	7' - 0"	OVERHEAD - GLASS	DCS	
112	B	16' - 0"	7' - 0"	OVERHEAD - GLASS	DCS	
113	B	16' - 0"	7' - 0"	OVERHEAD - GLASS	DCS	
114	B	16' - 0"	7' - 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	Rough Opening Height	Head Height (BTM of HDR)	Sill Height (TOP of SILL)	Operation	Provided By
MAIN LEVEL							
W101	B	4' - 0"	3' - 0"	8' - 0"	5' - 0"	GLIDING	DCS

FLOOR PLAN GENERAL NOTES

NOTES APPLY TO SHEET(S) A-101 & A-102 ONLY.

1. REFERENCE SHEET A-401 FOR WALL TYPES AND DETAILS.
2.

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DC STRUCTURES

DAMASCUS, OR 97089

McFARLANE ARENA

54880 CR 129
CLARK, CO 80428

FLOOR PLANS

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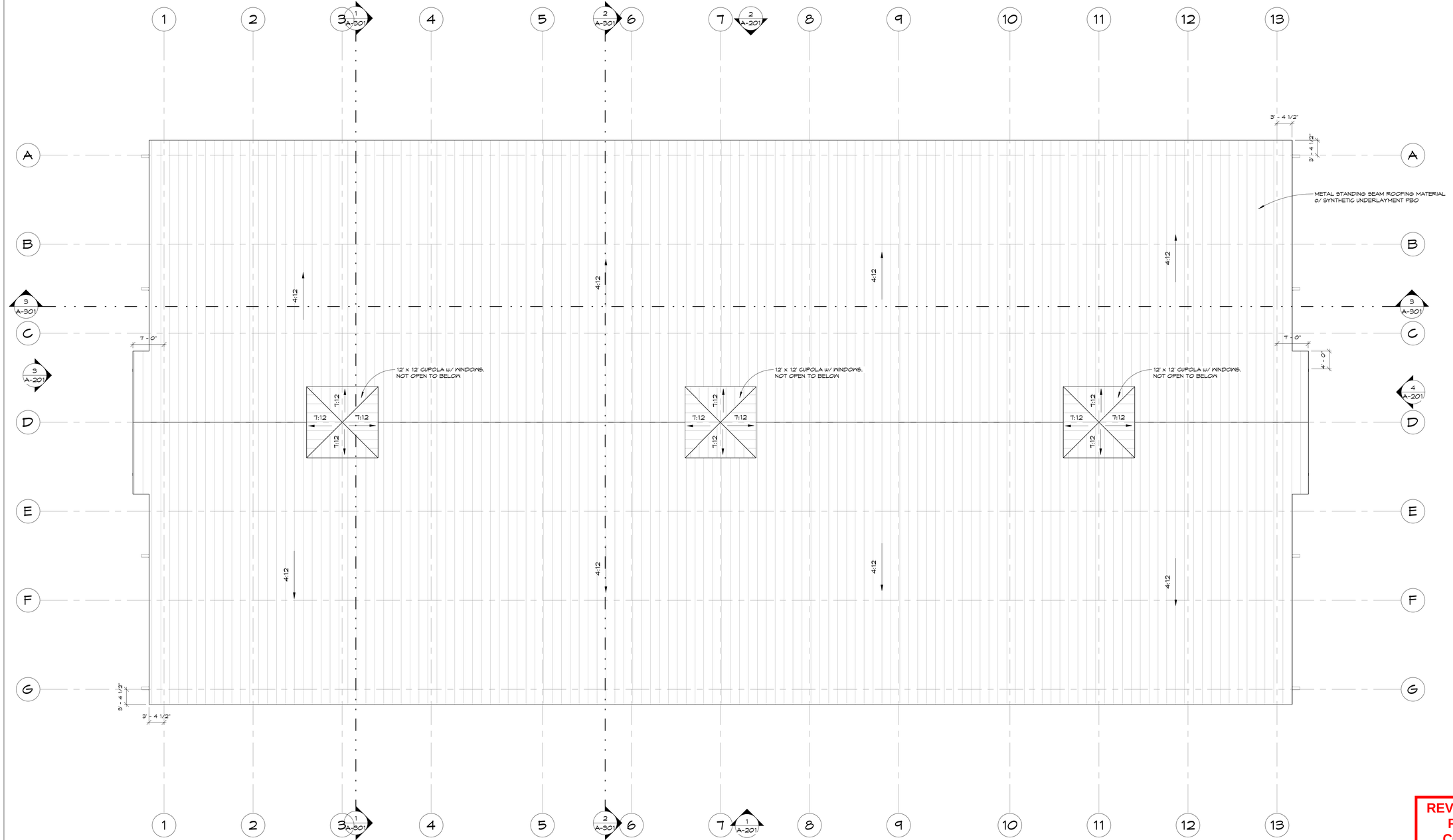
Drawing Index

No.	Date	Description

A-101



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.

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DC STRUCTURES

DAMASCUS, OR 97089

McFARLANE ARENA

54880 CR 129
CLARK, CO 80428

ROOF PLAN

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Drawing Index

No.	Date	Description

A-102

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AREA - CONDITIONED SPACE

NOTE: CONDITIONED SPACE MEASURED FROM EXTERIOR SURFACES OF EXTERIOR FRAMING & HEAD CLEARANCE ABOVE 48"

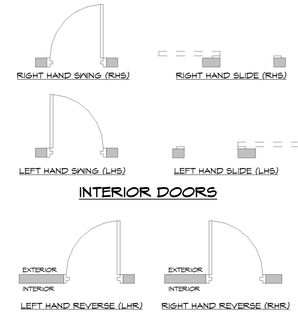
OUTDOOR

ARENA	30000 SF	OUTDOOR
	30000 SF	
GRAND TOTAL	30000 SF	

Door Schedule

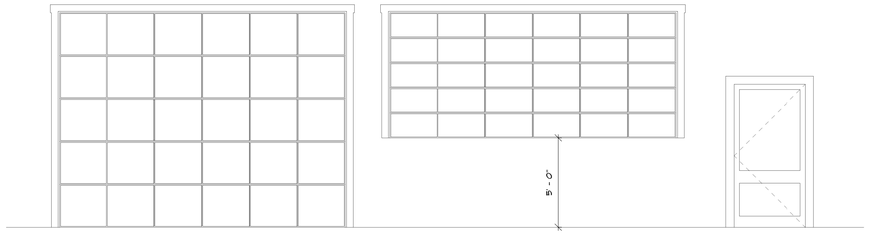
NOTE: REFERENCE MANUFACTURER SPECS FOR WINDOW INSTALLATION. DIMENSIONS ARE APPROXIMATE, VERIFY MANUFACTURER SPECIFICATIONS FOR EXACT SIZE.

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"	7' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
106	B	16' - 0"	7' - 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"	7' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
110	B	16' - 0"	7' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
111	B	16' - 0"	7' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
112	B	16' - 0"	7' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
113	B	16' - 0"	7' - 0"	OVERHEAD - GLASS	-	EXTERIOR	WAYNE DALTON 8850	DCS	
114	B	16' - 0"	7' - 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	



DOOR SWING EX.

1/4" = 1'-0"



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

DOOR TYPES

1/4" = 1'-0"

Room Schedule

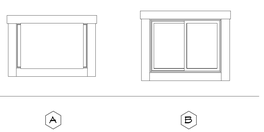
NOTE: ROOM AREA MEASURED FROM INTERIOR OF STUD WALL OR USEABLE SPACE.

Number	Name	Area	Floor Finish	Wall Finish	Ceiling Material	Ceiling Height	Comments
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"	8' - 0"	5' - 0"	GLIDING	PELLA LIFESTYLE	DCS	
T.O. RIDGE									
W201	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W202	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W203	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W204	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W205	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W206	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W207	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W208	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W209	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W210	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W211	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W212	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W213	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W214	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W215	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W216	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W217	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W218	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W219	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W220	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W221	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W222	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W223	A	4' - 0"	2' - 6"	3' - 0"	6"	PICTURE	PELLA LIFESTYLE	DCS	
W224	A	4' - 0"	2' - 6"	3' - 0"	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"

REVIEWED FOR CODE COMPLIANCE
01/27/2022

11251 SE 232nd AVE
DC STRUCTURES
DAMASCUS, OR 97089

McFARLANE ARENA

54880 CR 129
CLARK, CO 80428

SCHEDULES

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Drawing Index

No.	Date	Description

A-103

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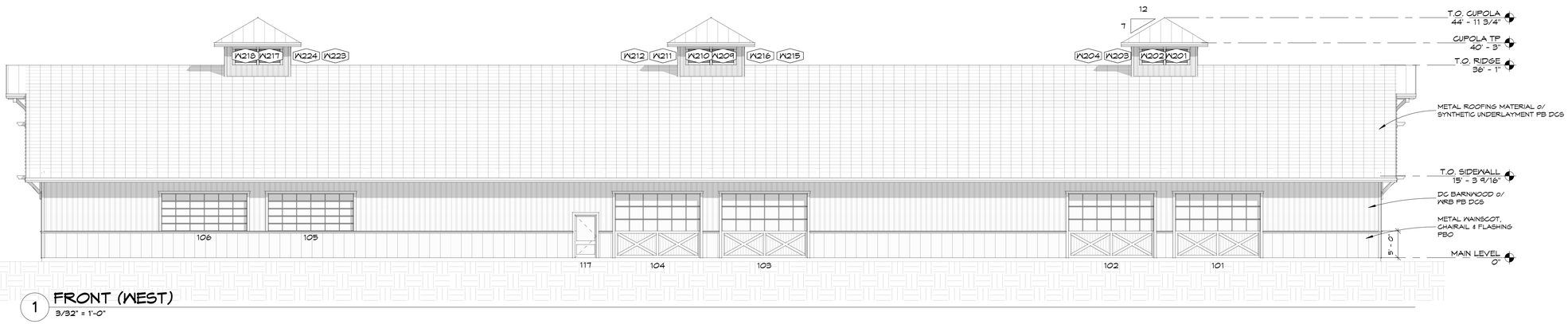
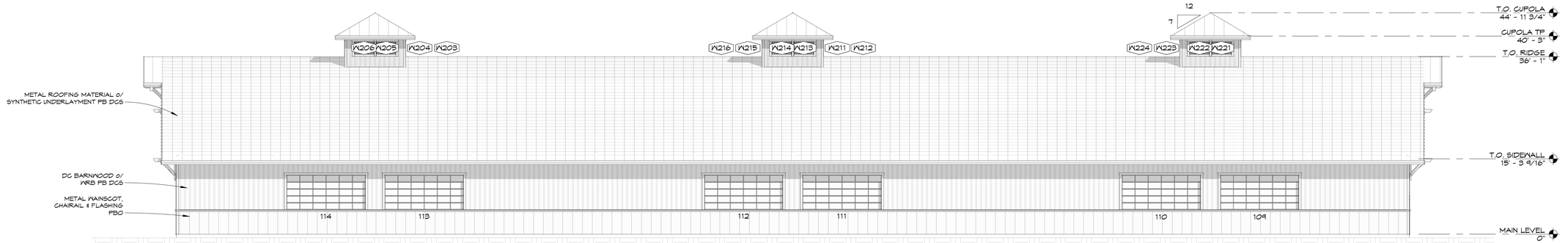
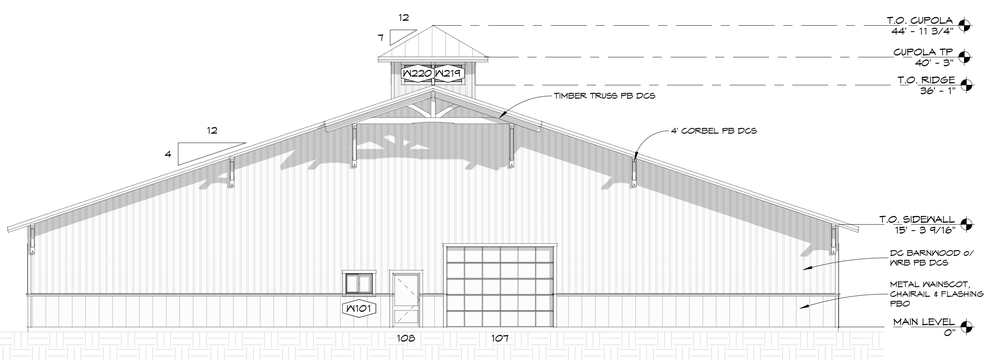


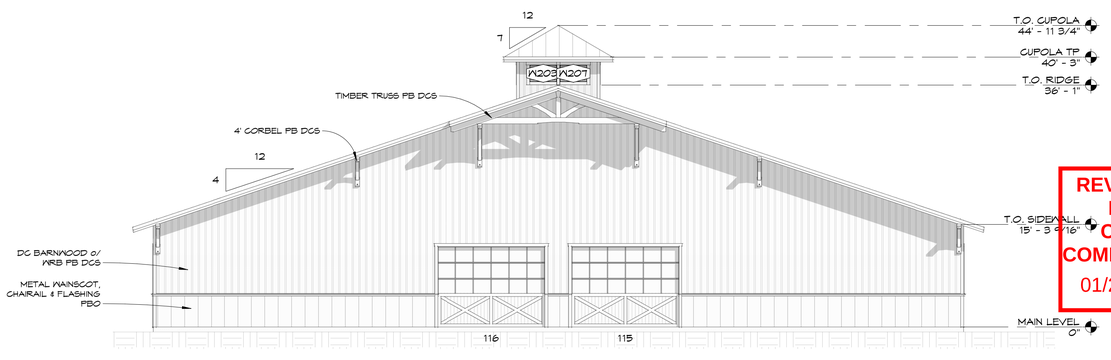
1 FRONT (WEST)
3/32" = 1'-0"



2 REAR (EAST)
3/32" = 1'-0"



3 LEFT (NORTH)
3/32" = 1'-0"



4 RIGHT (SOUTH)
3/32" = 1'-0"

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01/27/2022

ELEVATION GENERAL NOTES

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

2. -

11251 SE 232nd AVE

DC STRUCTURES

DAMASCUS, OR 97089

McFARLANE ARENA

54880 CR 129
CLARK, CO 80428

ELEVATIONS

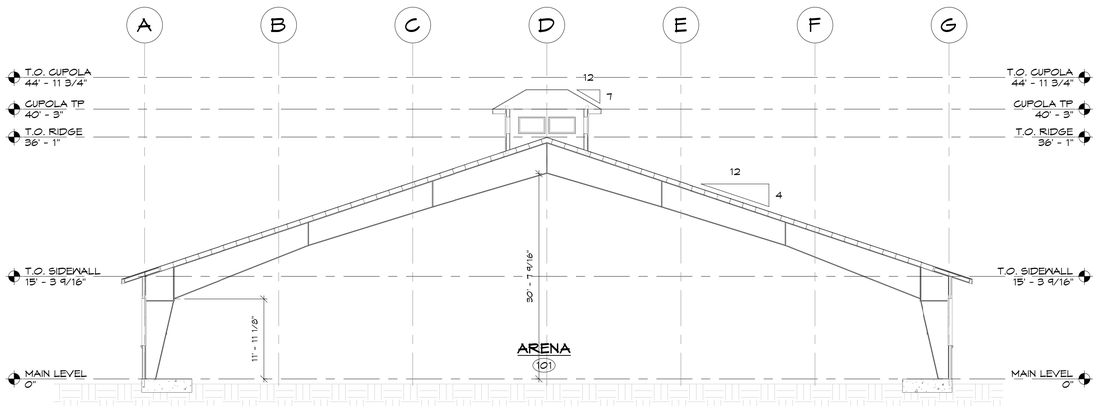
Drawn By
CTR
1/17/2022 6:46:49 AM

Drawing Index

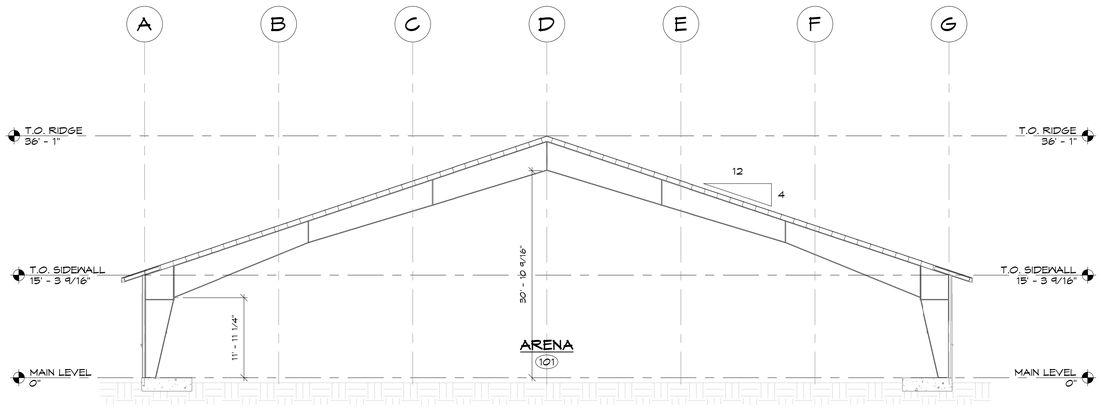
No.	Date	Description

A-201

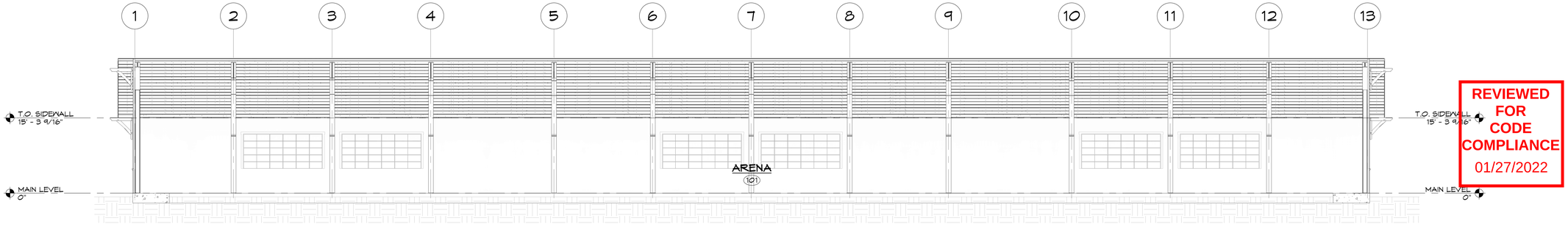
1/17/2022 6:46:49 AM



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



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



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

REVIEWED FOR CODE COMPLIANCE
01/27/2022

SECTION GENERAL NOTES

NOTES APPLY TO SHEET(S) A-301 ONLY.

1. CLIMATE ZONE 7B:
   - A. WINDOWS:
     - 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-27+0

1/17/2022 6:46:52 AM

11251 SE 232nd AVE
DAMASCUS, OR 97089

McFARLANE ARENA
54880 CR 129
CLARK, CO 80428

SECTIONS

Drawn By
CTR
1/17/2022 6:46:52 AM

Drawing Index

No.	Date	Description

A-301

GENERAL STRUCTURAL NOTES - DC RIDING ARENA - METAL BUILDING FOUNDATION - CLARK, COLORADO

A. GENERAL:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB SITE CONDITIONS BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER.

2. USE WRITTEN DIMENSIONS. DO NOT USE SCALED DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT OR ENGINEER FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.

3. THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND HAS NOT BEEN CONSIDERED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO THE COMPLETION OF ALL SHEAR WALLS, ROOF DIAPHRAGMS AND FINISH MATERIALS.

4. ECLIPSE ENGINEERING, INC. HOLDS NO LIABILITY FOR UNAUTHORIZED CHANGES MADE TO THE CONSTRUCTION DOCUMENTS THAT RESULT IN DAMAGES. ECLIPSE ENGINEERING, INC. IS NOT RESPONSIBLE FOR DAMAGES THAT RESULT FROM UNAUTHORIZED CHANGES MADE BY THE OWNER, A CONTRACTOR OR A BUILDING OFFICIAL, ETC.

B. DESIGN CRITERIA PER METAL BUILDING DRAWINGS:

1. CODE: INTERNATIONAL BUILDING CODE, 2018 EDITION.

2. ROOF SNOW LOADS:

GROUND SNOW, Pg	-	93 PSF
FLAT ROOF SNOW LOAD, Pf	-	72 PSF
SNOW LOAD IMPORTANCE FACTOR, Is	-	1.0
THERMAL FACTOR, Ct	-	1.1

3. WIND DESIGN DATA:

BASIC WIND SPEED	-	115 MPH
WIND EXPOSURE	-	C
WIND IMPORTANCE FACTOR, Iw	-	1.0

4. SEISMIC DESIGN DATA:

SEISMIC IMPORTANCE FACTOR, IE	-	1.00
SEISMIC USE GROUP	-	II
SPECTRAL ACCELERATIONS	-	SS = 0.594, S1 = 0.103
SITE CLASS	-	D
SEISMIC DESIGN CATEGORY	-	D
BASIC SEISMIC-FORCE RESISTING SYSTEM: PRE METAL BUILDING DWGS	-	PER METAL BUILDING DWGS

USE EQUIVALENT LATERAL FORCE PROCEDURE PER IBC SECTION 1617.4

5. ALLOWABLE SOIL BEARING PRESSURE:
ASSUMED - 3000 PSF.

FOUNDATION NOTES:

A. THE FOUNDATIONS FOR THE PROJECT HAVE BEEN DESIGNED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY NORTHWEST COLORADO CONSULTANTS, INC - DATED APRIL 16TH, 2021.

B. EXTEND ALL EXTERIOR FOOTINGS AND ALL FOOTINGS SUSCEPTIBLE TO FROST HEAVE A MINIMUM OF 4'-0" BELOW GRADE (FROST DEPTH).

SLAB JOINTS

A. CONCRETE SLAB JOINTS SHALL BE PROVIDED AT COLUMN LINES WITH ISOLATION JOINTS.

B. SLAB JOINTS SHALL DIVIDE THE LARGER SLAB AREA INTO RELATIVELY SMALL RECTANGULAR SUB-PANELS. SUB-PANELS SHALL BE AS NEARLY SQUARE AS PRACTICAL. THE LONGER SIDE OF ANY RECTANGULAR SUB-PANEL SHALL BE NO LONGER THAT 1 1/2 TIMES AS LONG AS THE SHORT SIDE.

C. INTERIOR SLAB JOINTS SHALL BE SPACED NO MORE THAN 12'-0" APART.

D. REFERENCE THE DRAWINGS FOR THE SPECIFIC SLAB JOINT DETAIL.

E. IF SITUATIONS OCCUR WHERE THE REQUIREMENTS OF THIS SPECIFICATION CANNOT BE MET, CONSULT THE ENGINEER FOR A SPECIFIC SLAB JOINT LAYOUT.

CAST-IN-PLACE CONCRETE

A. CONCRETE:

1. F'C = 3000 PSI AT 28 DAYS, NORMAL WEIGHT, FOR FOUNDATION WALLS, PIERS, AND FOOTINGS
2. MAX. SLUMP = 3" FOR SLABS AND FOOTINGS, 4" FOR WALLS, COLUMNS AND BEAMS.
3. CURING COMPOUND: ASTM C309, TYPE 2, CLASS B.
4. CONSTRUCTION TO BE IN ACCORDANCE WITH ACI 318-11.
5. LOCATION OF CONSTRUCTION OR POUR JOINTS MUST BE APPROVED BY THE ENGINEER UNLESS OTHERWISE SHOWN ON THESE DRAWINGS.
6. CONCRETE SHALL BE AIR-ENTRAINED AND SHALL CONFORM TO SECTION 3.4.1 OF ACI 301-84 FOR DURABILITY.

B. REINFORCING STEEL:

1. USE ASTM A615 - GRADE 40 FOR #3 REINFORCING BARS, GRADE 60 FOR #4 AND LARGER REINFORCING BARS.
2. PROVIDE CLEARANCE AND COVER OF REBAR AS DESIGNATED IN ACI-318.

STRUCTURAL STEEL

A. MATERIAL

1. SHAPES, PLATES AND BARS (EXCEPT W-SHAPES): ASTM A36, FY = 36 KSI
2. W-SHAPES: ASTM A992, FY = 50 KSI
3. TUBES (INCLUDING HSS): ASTM A500, GRADE B, FY = 46 KSI OR GREATER.

B. BOLTS

1. ANCHOR RODS ARE ASTM F1554 GR. 36 U.N.O. ON METAL BUILDING DRAWINGS
2. EXPANSION BOLTS (E.B): "HILTI KWIK BOLT" OR APPROVED EQUAL.
3. ADHESIVE ANCHORS: "SIMPSON EPOXY TIE" OR APPROVED EQUAL.

C. WELDING ELECTRODES OR WIRES

1. AWS A5.1 OR A5.5, E70XX: AWS A5.18, E70S-X.
2. WELDING SHALL CONFORM TO AWS " CODE FOR ARC AND GAS WELDING IN BUILDINGS".
3. ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER.

D. ERECTION

1. ERECTION AND FABRICATION SHALL BE IN ACCORDANCE WITH AISC "SPECIFICATIONS FOR DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."

PREFABRICATED METAL BUILDING STRUCTURE

A. METAL BUILDING FRAMING, INCLUDING RIGID FRAMES, PURLINS, RAFTER BEAMS, GIRTS, LATERAL BRACING AND METAL ROOFING AND SIDING SHALL BE DESIGNED FOR THE VERTICAL AND LATERAL LOADS INDICATED ON THESE DRAWINGS. MINIMUM COLLATERAL DEAD LOAD SHALL BE 5 PSF.

B. A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF WASHINGTON SHALL COMPLETE THE DESIGN OF THE STRUCTURE IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE.

SPECIAL INSPECTIONS

A. THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL, IN RESPONSIBLE CHARGE, ACTING AS THE OWNER'S AGENT, SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPE OF WORK LISTED BELOW.

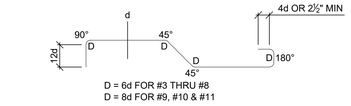
B. SPECIAL INSPECTIONS AND SUBSEQUENT REPORTS SHALL BE PREPARED IN CONFORMANCE WITH IBC SECTION 1704 AND THE PROJECT SPECIFICATIONS. THE SPECIAL INSPECTOR SHALL FURNISH SIGNED INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE ENGINEER AND/OR ARCHITECT OF RECORD.

C. SPECIAL INSPECTION SHALL BE REQUIRED FOR THE FOLLOWING ITEMS (AS APPLICABLE):

1. ALL CONCRETE WORK WHERE CONCRETE DESIGN STRENGTH EXCEEDS 2500 PSI AT 28 DAYS (1704.4)
2. ALL HIGH-STRENGTH BOLTING (1704.3.3)
3. PRESTRESSED STEEL TENDONS (1704.4) (NOT APPLICABLE)
4. STRUCTURAL MASONRY (AS APPLICABLE, SEE STRUCTURAL DRAWINGS) (1704.5) (NOT APPLICABLE)
5. CAST-IN-PLACE DRILLED PIERS, PILES, OR CAISSONS (1704.9) (NOT APPLICABLE)
6. SHOTCRETE (1704.4) (NOT APPLICABLE)
7. NON-CEMENTITIOUS GROUTING (NOT APPLICABLE)
8. ADHESIVE ANCHOR INSTALLATION AT ENGINEERED CONNECTIONS

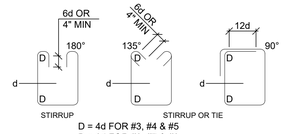
D. STRUCTURAL OBSERVATION SHALL BE REQUIRED BY THE ENGINEER.

1. THE OWNER SHALL EMPLOY THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN, OR ANOTHER ENGINEER OR ARCHITECT DESIGNATED BY THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN, TO PERFORM STRUCTURAL OBSERVATION IN CONFORMANCE WITH IBC SECTION 1709. OBSERVED DEFICIENCIES SHALL BE REPORTED IN WRITING TO THE OWNER'S REPRESENTATIVE, SPECIAL INSPECTOR, CONTRACTOR, AND THE BUILDING OFFICIAL. THE STRUCTURAL OBSERVER SHALL SUBMIT A WRITTEN STATEMENT TO THE BUILDING OFFICIAL INDICATING THAT THE SITE VISITS HAVE BEEN MADE AND IDENTIFYING ANY REPORTED DEFICIENCIES WHICH TO THE BEST OF THE STRUCTURAL OBSERVER'S KNOWLEDGE, HAVE NOT BEEN RESOLVED.

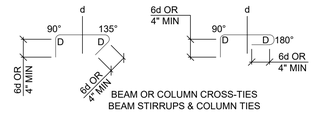


D = 6d FOR #3 THRU #8
D = 8d FOR #9, #10 & #11

ALL REINFORCING EXCEPT COLUMN TIES AND BEAM STIRRUPS



D = 4d FOR #3, #4 & #5
D = 6d FOR #6, #7 & #8



BEAM OR COLUMN CROSS-TIES
BEAM STIRRUPS & COLUMN TIES

d = BAR DIAMETERS, D = BEND DIAMETER

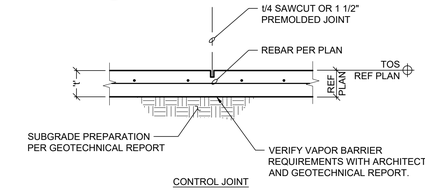
NOTE:
FOR REVISIONS TO STANDARD HOOKS & BENDS, REFERENCE CURRENT ACI.

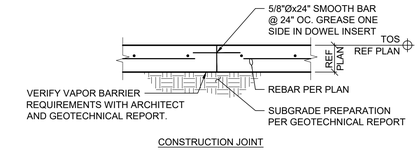
1 STANDARD HOOKS & BENDS
STIRRUPS AND COLUMN TIES
3/4" = 1'-0" SCALE

TYPICAL REBAR LAP SPLICE AND DEVELOPMENT SCHEDULE			
BAR SIZE	MISCELLANEOUS BARS		
	L_D (IN)	CLASS A SPLICE (IN)	CLASS B SPLICE (IN)
f'c = 3,000 P.S.I.			
#3	17	17	23
#4	22	22	29
#5	28	28	37
#6	33	33	43
#7	48	48	63
#8	55	55	72
#9	62	62	81

NOTES:
1. VALUES LISTED ARE FOR UNCOATED REINFORCING IN NORMAL WEIGHT CONC.
2. UNLESS OTHERWISE NOTED, ALL LAPS SHALL BE MIN. CLASS "B"

2 TYPICAL LAP SPLICE SCHEDULE
SCALE: NA





NOTES:
1. FOR SPLICE LENGTHS, REFERENCE LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE ON DTL 2/S1
2. FOR WALL REINFORCING, REFERENCE PLAN.
3. AT FOOTING AND STEM WALLS, CORNER REINFORCING TO MATCH FOOTING AND STEM WALL HORIZONTAL REINFORCING.

3 REBAR CORNERS
SCALE: 3/4" = 1'-0"

NOTES:
1. CONSTRUCTION / CONTROL JOINT LOCATIONS AT CONTRACTORS DISCRETION UNLESS NOTED OTHERWISE ON PLANS, MAXIMUM ENCLOSED SQUARE FOOTAGE AREA TO BE 144 SQUARE FEET, WITH MAXIMUM PANEL ASPECT RATIO OF 1.3 TO 1.0.
2. USE "EARLY ENTRY DRY-CUT SAW" AS SOON AS POSSIBLE WITHOUT CAUSING RAVELING OF CONCRETE EDGES. SAWCUT ALONG SHORT DIRECTION OF POUR FIRST

4 SLAB JOINTS W/ REINFORCING
SCALE: 3/4" = 1'-0"

ABBREVIATIONS

AB	ANCHOR BOLT	(E)	EXISTING	OPN'G	OPENING	UNO	UNLESS NOTED
ABV	ABOVE	FND	FOUNDATION	OPP	OPPOSITE		OTHERWISE
ARCH'L	ARCHITECTURAL	FTG	FOOTING	PLCS	PLACES	VIF	VERIFY IN FIELD
BLW	BELOW	FW	FOUNDATION WALL	PL	PLATE	VERT	VERTICAL
BTWN	BETWEEN	GC	GENERAL CONTRACTOR	REF	REFERENCE		
BTM	BOTTOM	GA	GAUGE	REQ'D	REQUIRED		
CANT	CANTILEVER	GN	GENERAL NOTES	SIM	SIMILAR		
℄ / CL	CENTERLINE	HAS	HEADED ANCHOR STUD	STD	STANDARD		
COL	COLUMN	HAB	HEADED ANCHOR BOLT	STRUCT'L	STRUCTURAL		
CONC	CONCRETE	HORIZ	HORIZONTAL	TO	TOP OF		
CP	CONCRETE PIER	MFR	MANUFACTURER	TOF	TOP OF FOOTING ELEVATION		
CONN	CONNECTION	MECH'L	MECHANICAL	TOP	TOP OF PIER ELEVATION		
DP	DEEP	NTS	NOT TO SCALE	TOS	TOP OF SLAB ELEVATION		
DBL	DOUBLE	(N)	NEW	TYP	TYPICAL		
EA	EACH	OC	ON CENTER				
EW	EACH WAY						
ELEV	ELEVATION						

PLAN LEGEND

- TO — TOP OF ELEVATION
- TOG — TOP OF GRADE ELEVATION
- Px — DENOTES CONCRETE PIER SIZE. REF SCHEDULE ON FOUNDATION PLAN
- F1 — DENOTES FOOTING SIZE & REINFORCEMENT. REFERENCE SCHEDULE ON FOUNDATION PLAN
- SJ — SLAB JOINT IN CONC SLAB-ON-GRADE. REF DTL 4/S1
- REFERENCE METAL BUILDING MANUFACTURERS DRAWINGS FOR BASE PLATE SIZE AND ANCHOR BOLT SIZE AND SPACING. ALL ANCHOR BOLTS SHALL HAVE A MINIMUM 3" PROJECTION. REFER TO METAL BUILDING DRAWINGS FOR ACTUAL PROJECTION.

SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
S1	GENERAL NOTES, TYPICAL DETAILS, PLAN LEGEND, & ABBREVIATIONS
S2	FOUNDATION PLAN
S3	DETAILS

REVIEWED FOR CODE COMPLIANCE
01/27/2022

PERMIT FOR CONSTRUCTION

COLORADO LICENSED
JOSEPH ERNEST HIGHT
0051926
2021.09.23
PROFESSIONAL ENGINEER

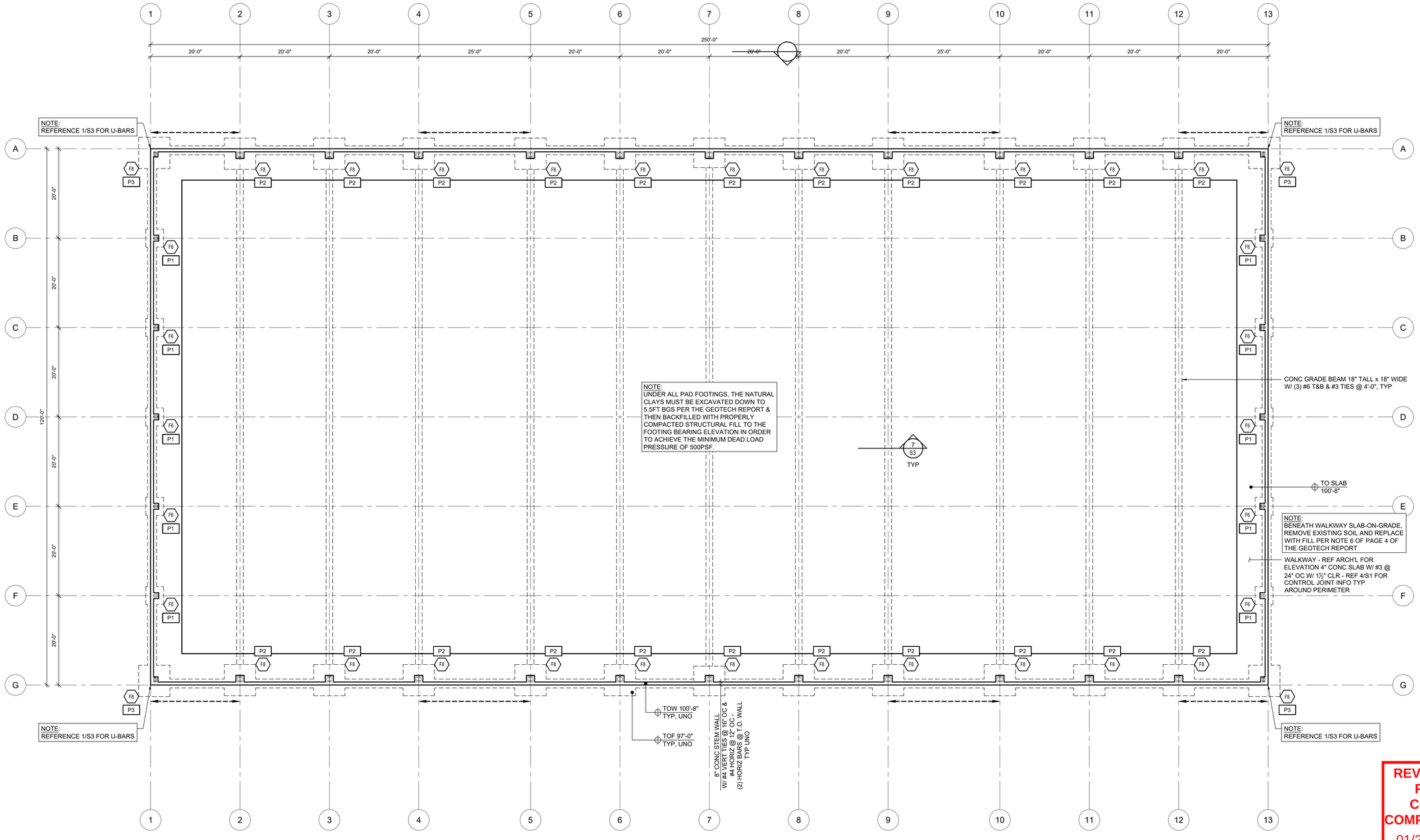
ECLIPSE ENGINEERING
2140 SW JEFFERSON ST. SUITE 100
PORTLAND, OR 97201
ECLIPSE-ENGINEERING.COM
(503) 395-1229

MCFARLANE ARENA
54880 CR 129
CLARK, CO 80428

REVISIONS

GENERAL NOTES, TYPICAL DETAILS, PLAN LEGEND, & ABBREVIATIONS

PROJ. #: 21-03-064
CHECKED BY: PG
DRAWN BY: TTH
DATE: 9.23.21
SHEET
S1



FOUNDATION PLAN

SCALE: NTS

FOUNDATION PLAN NOTES:

1. FOR STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS & LEGEND, REF SHEET S1
2. VERIFY ALL DIMENSIONS, ELEVATIONS AND OPENING LOCATIONS WITH THE METAL BUILDING MANUFACTURER.
3. TOP OF GRADE (TOG) ELEVATION ASSUMED 100'-0". FOR ACTUAL TOS ELEVATION, REFER TO CIVIL AND/OR ARCHITECTURAL DRAWINGS.
4. ALL EXTERIOR FOOTINGS TO BEAR A MINIMUM AS NOTED ON GENERAL NOTES. CONTRACTOR TO VERIFY ACTUAL SITE CONDITIONS WITH PROPOSED TOP OF FOOTING CALLOUTS.
5. ALL FOOTINGS AND SLABS TO BEAR ON COMPETENT, NATIVE SOIL AND/OR STRUCTURAL FILL.
6. REFERENCE TYPICAL DETAILS FOR STANDARD FRAMING CONDITIONS, AS FOLLOWS:
   - 4/S1 • TYP CONTROL JOINTS
   - 3/S1 • TYP CORNER BARS

PLAN LEGEND:

DENOTES X BRACE

FOOTING SCHEDULE

MARK	FOOTING SIZE	REINFORCING
F6	6'-0" SQ x 14" THICK PAD FOOTING	(6) #5 HORIZ REINF EW BTM
F8	8'-0" SQ x 14" THICK PAD FOOTING	(8) #6 HORIZ REINF EW BTM

ALL PIERS SCHEDULE

MARK	PIER SIZE	VERT REINF	TIES
P1	1'-10" x 1'-4"	REF DETAIL 4/S3	REF DETAIL 4/S3
P2	2'-4" x 1'-10"	REF DETAIL 2/S3	REF DETAIL 2/S3
P3	2'-4" x 1'-10"	REF DETAIL 1/S3	REF DETAIL 1/S3

REVIEWED
FOR
CODE
COMPLIANCE
01/27/2022

PERMIT FOR CONSTRUCTION

COLORADO LICENSED
JOSEPH ERNEST KIRK
0051926
2021.09.23
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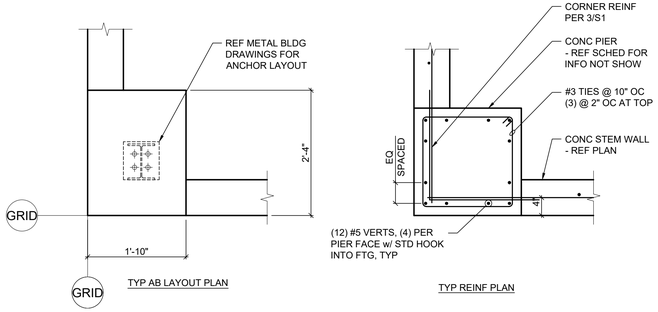
MCFARLANE ARENA
54880 CR 129
CLARK, CO 80428

REVISIONS

FOUNDATION PLAN

PROJ. #: 21-03-064
CHECKED BY: PG
DRAWN BY: TTH
DATE: 9.23.21

SHEET
S2

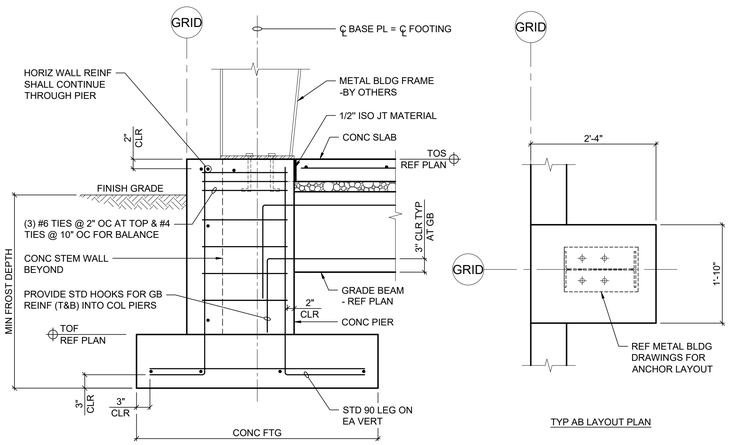


TYP AB LAYOUT PLAN

TYP REINF PLAN

NOTES:
1. REFERENCE METAL BUILDING MANUFACTURERS DRAWINGS FOR BASE PLATE SIZE & ANCHOR BOLT SIZE & SPACING. ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 20" EMBEDMENT.
2. AT BRACED FRAMES ON CORNER PIERS, PROVIDE (2) #4 U-BARS TIED TO ANCHOR BOLTS W/ 24" LEGS (DOWN) & 1½" CLR W/ TOP OF PIER

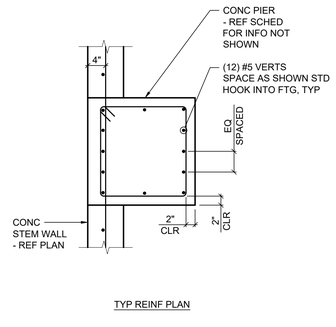
1 CORNER PIER DETAIL
SCALE: 3/4" = 1'-0"



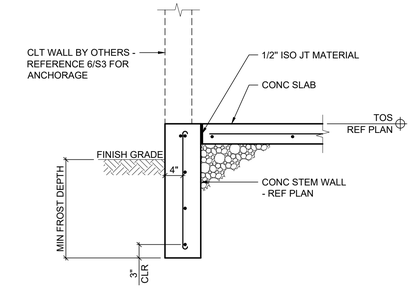
NOTE:
REFERENCE METAL BUILDING MANUFACTURERS DRAWINGS FOR BASE PLATE SIZE & ANCHOR BOLT SIZE & SPACING. ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 20" EMBEDMENT.

2 SIDEWALL PIER DETAIL
3/4" = 1'-0" SCALE

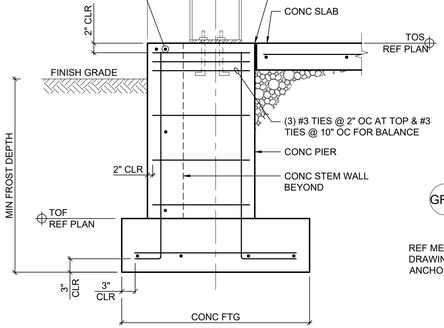
TYP AB LAYOUT PLAN

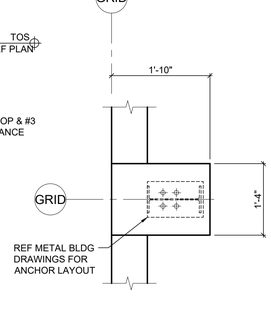


TYP REINF PLAN

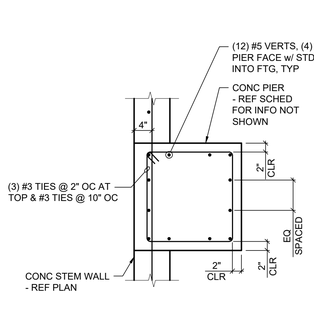


3 FOUNDATION WALL SECTION
SCALE: 3/4" = 1'-0"





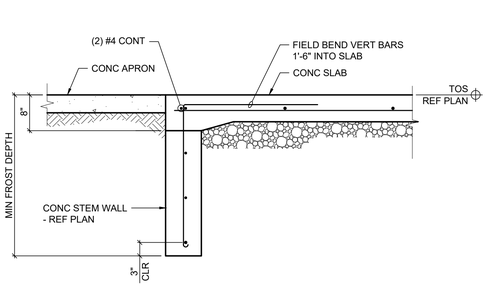
TYP AB LAYOUT PLAN



TYP REINF PLAN

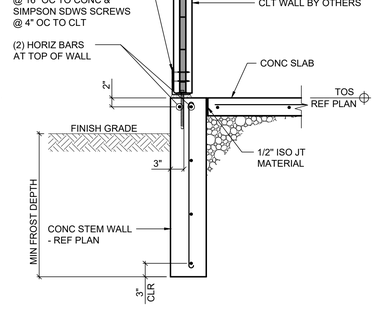
NOTE:
REFERENCE METAL BUILDING MANUFACTURERS DRAWINGS FOR BASE PLATE SIZE & ANCHOR BOLT SIZE & SPACING. ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 12" EMBEDMENT.

4 ENDWALL PIER DETAIL
3/4" = 1'-0" SCALE

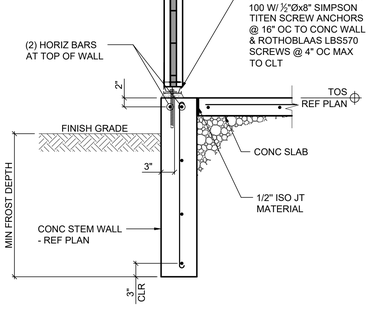


NOTE:
BENEATH WALKWAY SOG, REMOVE EXISTING SOIL & REPLACE WITH FILL PER NOTE 6 OF PAGE 4 OF THE GEOTECH REPORT - CONTRACTOR'S OPTION TO PROVIDE THE SAME SOIL TREATMENT BENEATH CONC APRON LEADING TO OPENINGS

5 FOUNDATION WALL @ OPENINGS
SCALE: 3/4" = 1'-0"

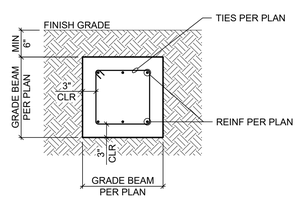


OPTION 1



OPTION 2

6 CLT WALL ANCHORAGE
SCALE: 3/4" = 1'-0"



7 TYPICAL GRADE BEAM SECTION
3/4" = 1'-0" SCALE

REVIEWED FOR CODE COMPLIANCE
01/27/2022

PERMIT FOR CONSTRUCTION

COLORADO LICENSED
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REVISIONS

DETAILS

PROJ. #:	21-03-064
CHECKED BY:	PG
DRAWN BY:	TTH
DATE:	9.23.21

SHEET
S3