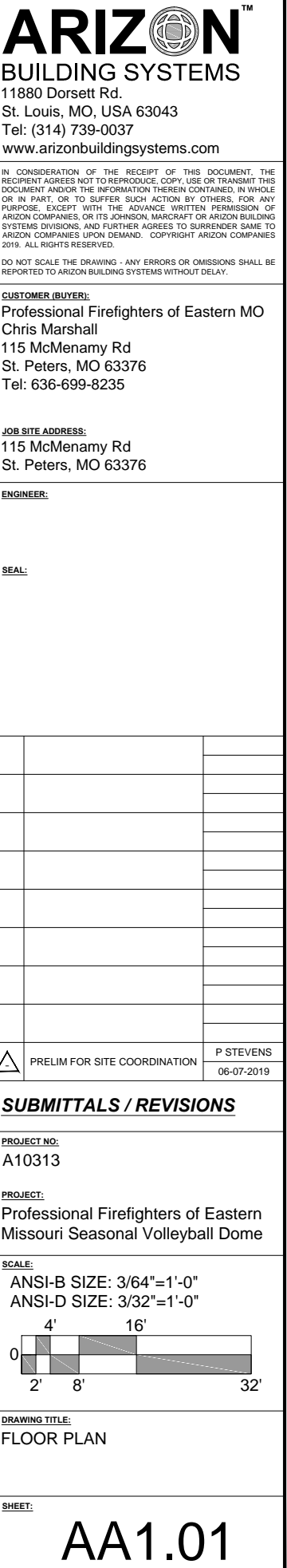


PROJECT NO. **A10314**





GENERAL NOTES:

1. ALL DIMENSIONS ARE TAKEN TO ANCHOR LINE UNLESS NOTED OTHERWISE.
2. DIMENSIONS FOR EXISTING CONDITIONS SHOWN SHALL BE VERIFIED BY OWNER.
3. CODE STUDY AND COMPLIANCE WITH LIFE SAFETY ISSUES (INCLUDING BUT NOT LIMITED TO USE OF BUILDING, OCCUPANT LOAD, TRAVEL DISTANCE, INGRESS, EGRESS, FIRE RATING/SMOKE CONTROL REQUIREMENTS, ETC.) ARE THE RESPONSIBILITY OF THE OWNER.

1 **DOME FLOOR PLAN**  
SCALE: 3/32" = 1'-0"

NOT FOR CONSTRUCTION

# AA1.01



DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE  
REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

ENGINEER:

SEAL:

[illegible]

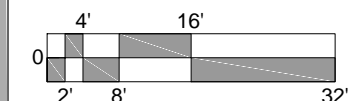
	PRELIM FOR SITE COORDINATION	P STEVENS
		06-07-2019

## SUBMITTALS / REVISIONS

PROJECT NO:  
A10313

**PROJECT:**  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

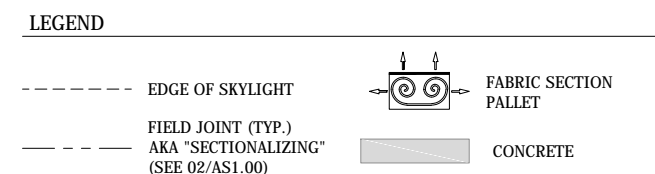
**SCALE:**  
ANSI-B SIZE: 3/64"=1'-0"  
ANSI-D SIZE: 3/32"=1'-0"



**DRAWING TITLE:**  
**FABRIC SECTION PLAN**

SHEET:

AA1.02



**GENERAL NOTES:**

1. ALL DIMENSIONS ARE TAKEN TO ANCHOR LINE UNLESS NOTED OTHERWISE.
2. LOCATIONS OF FIELD JOINTS ARE APPROXIMATE AND MAY VARY WITH MANUFACTURING.

NOT FOR CONSTRUCTION

1 **FABRIC SECTION PLAN**  
SCALE: 3/32" = 1'-0"

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

ENGINEER:

SEAL:

— EXIST FENCE (BEYOND)

PARKING LOT →

— EXIST BRICK COLUMN / FENCE

### 3-LEAF REVOLVING DOOR

— SINGLE EMERGENCY EXIT DOOR  
AT EXISTING FENCE GATE

— EXISTING FENCE TO REMAIN

T.O. GRADE BEAM  
100'-0"

	PRELIM FOR SITE COORDINATION	P STEVENS
		06-07-2019

PROJECT NO:  
A10313

**SCALE:**  
ANSI-B SIZE: 3/64"=1'-0"  
ANSI-D SIZE: 3/32"=1'-0"

**DRAWING TITLE:**  
**EXTERIOR DOME ELEVATIONS**

**SHEET:**

AA2.01

NOT FOR CONSTRUCTION

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

**ENGINEER:**

**SEAL:**

[illegible]

	PRELIM FOR SITE COORDINATION	P STEVENS
		06-07-2019

PROJECT NO:  
A10313

PROJECT:  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

**SCALE:**  
ANSI-B SIZE: 3/64"=1'-0"  
ANSI-D SIZE: 3/32"=1'-0"

0 4' 16' 2' 8' 32'

**DRAWING TITLE:**  
**EXTERIOR DOME ELEVATIONS**

**SHEET:**

**AA2.02**

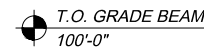
NOT FOR CONSTRUCTION



**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

ENGINEER: \_\_\_\_\_

SEAL:



2



1

NOT FOR CONSTRUCTION

### SUBMITTALS / REVISIONS

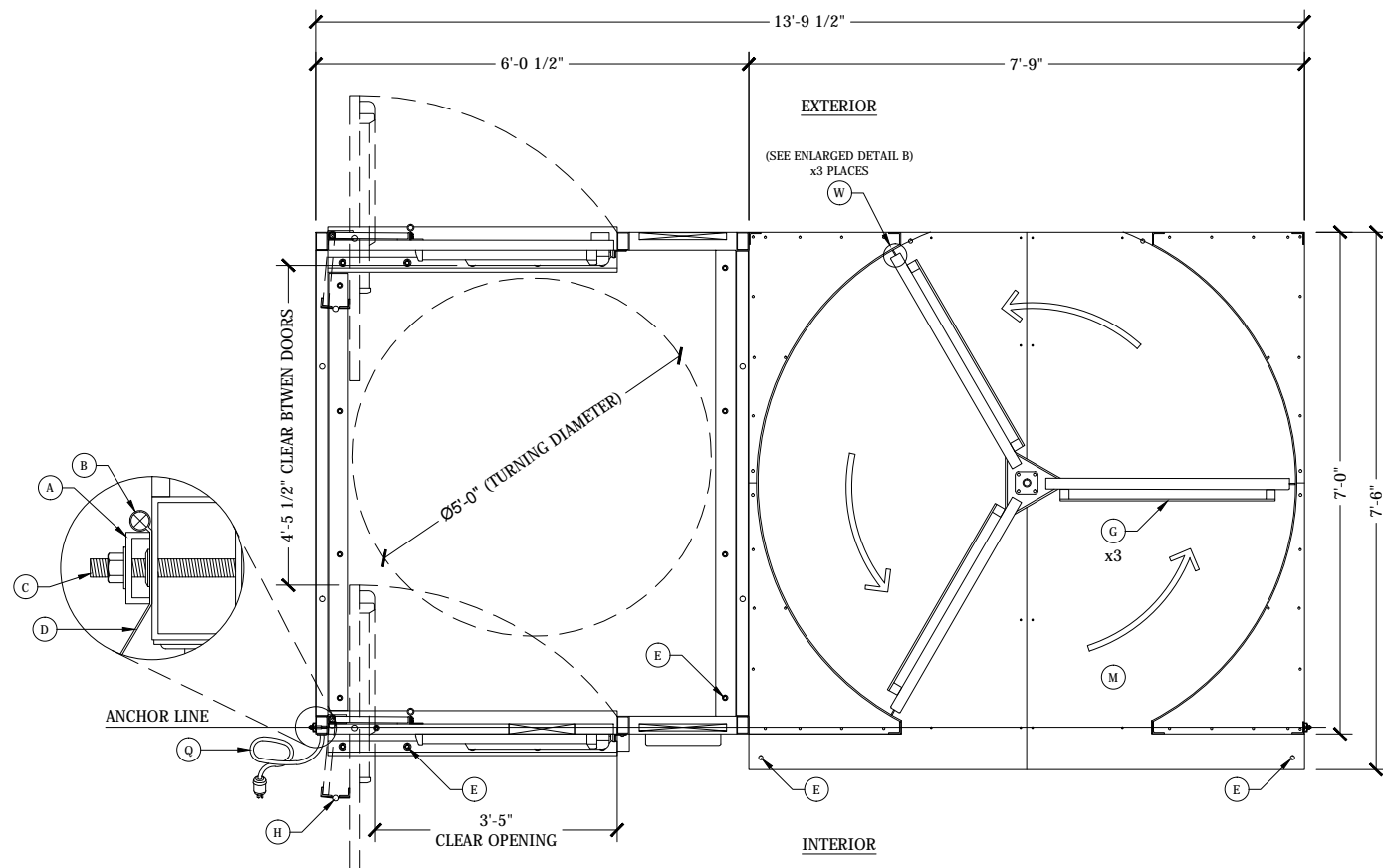
**PROJECT:**  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

**SHEET:**

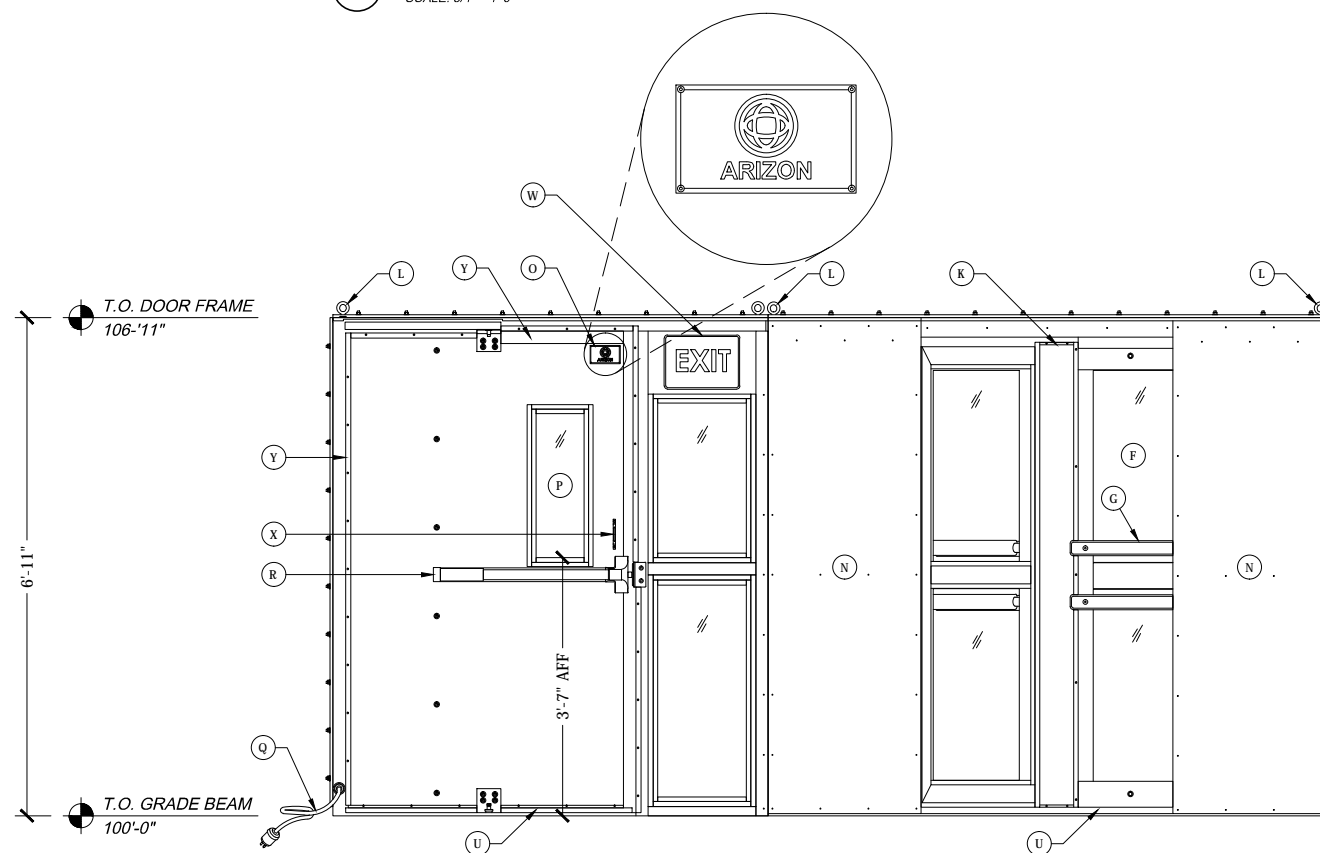
# AA3.01



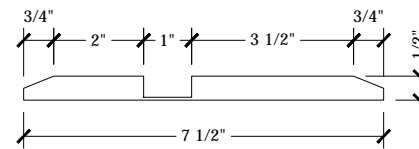




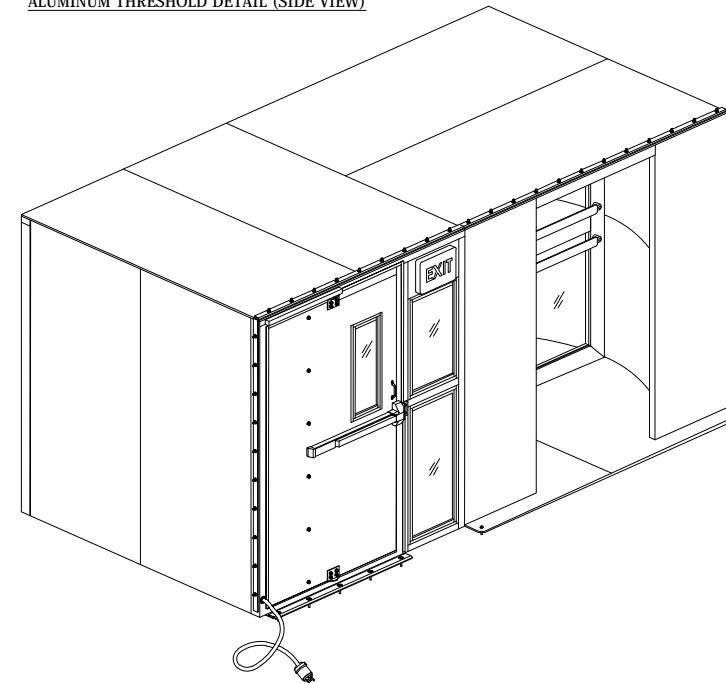
1 **PLAN VIEW**  
SCALE: 3/4" = 1'-0"



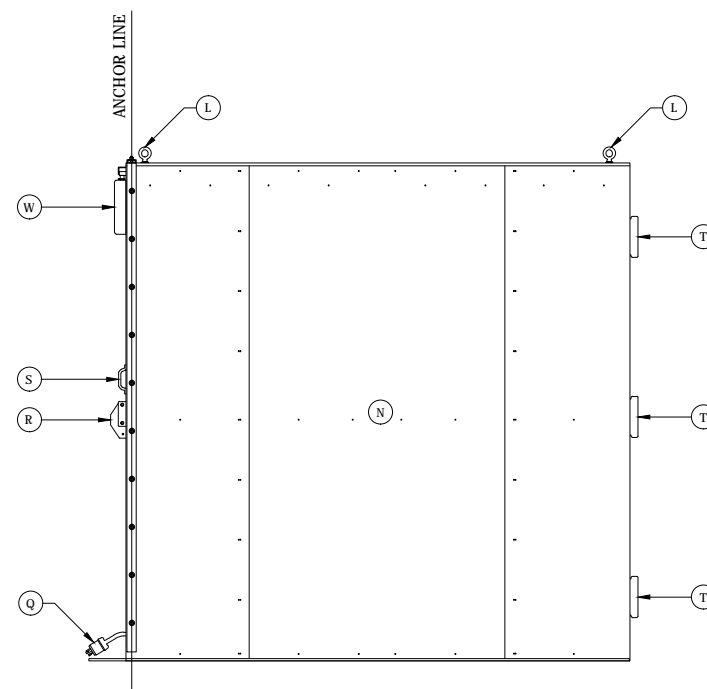
2 INTERIOR ELEVATION  
SCALE: 3/4" = 1'-0"



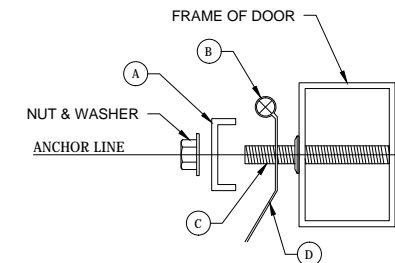
ALUMINUM THRESHOLD DETAIL (SIDE VIEW)



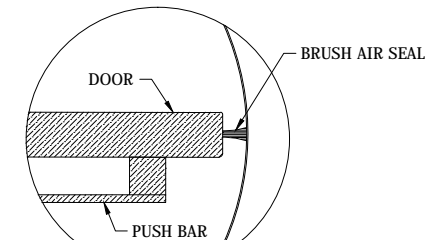
4 **ISOMETRIC VIEW**  
SCALE: N.T.S



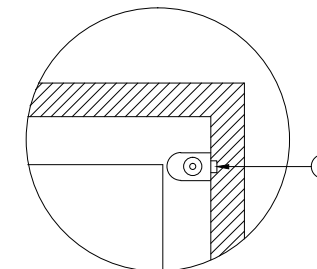
3 **SIDE ELEVATION**  
SCALE: 3/4" = 1'-0"



### FABRIC INSTALLATION DETAIL



ENLARGED DETAIL B  
(BRUSH AIR SEALS)



ENLARGED DETAIL A

GENERAL NOTES:

1. REVOLVING DOOR / PERSONAL AIRLOCK COMBO
2. APPROXIMATE SHIPPING WEIGHT - 2,200 LBS
3. ALUMINUM CONSTRUCTION

KEYED NOTES.

- A. FABRIC CLAMP CHANNEL
- B. ROPE EDGE
- C. THREADED STUD WITH NUT, WASHER
- D. FABRIC MEMBRANE
- E. 1/2" CONCRETE ANCHORS (22 TOTAL)  
(4) ANCHORS / REVOLVING DOOR  
(18) ANCHORS / PERSONAL AIR LOCK
- F. FULL LENGTH GLAZING PANEL
- G. PUSH BARS (SEE ENLARGED DETAIL B)
- H. DEADBOLT DOUBLE CYLINDER LOCK  
(SEE ENLARGED DETAIL A)
- I. FLANGED BEARINGS W/ GREASE FITTINGS
- J. LOW DRAG AIR SEALS
- K. REMOVABLE SERVICE PANEL
- L. REMOVABLE LIFTING EYES
- M. NON-SLIP TREADPLATE FLOORING
- N. CLEAR ANODIZED SKIN
- O. 5" x 7" ARIZON SIGN
- P. VISION PANEL
- Q. EXIT SIGN POWER CORD - 3 PIGTAIL AT HINGE SIDE  
OF DOOR FRAME (120V POWER)
- R. PANIC HARDWARE (INTERIOR SIDE)
- S. LOCKABLE LEVER HANDLE (ENTRY SIDE)
- T. ADJUSTABLE SPRING HINGES
- U. BRUSH AIR SEALS AT FLOOR
- V. ILLUMINATED EMERGENCY SIGN & LIGHTS WITH  
BATTERY BACKUP (PER IBC 1011 AND 1011.6.3)
- W. BRUSH AIR SEALS (SEE ENLARGED DETAIL B)
- X. PULL HANDLE
- Y. RUBBER SEALS AT TOP AND SIDES

**ARIZON<sup>TM</sup>**  
BUILDING SYSTEMS  
11880 Dorsett Rd.  
St. Louis, MO, USA 63043  
Tel: (314) 739-0037  
[www.arizonbuildingsystems.com](http://www.arizonbuildingsystems.com)

IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON BUILDING SYSTEMS DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND. COPYRIGHT ARIZON COMPANIES 2019. ALL RIGHTS RESERVED.

DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

CUSTOMER (BUYER):

Professional Firefighters of Eastern MO  
Chris Marshall  
115 McMenamy Rd  
St. Peters, MO 63376  
Tel: 636-699-8235

**JOB SITE ADDRESS:**

115 McMenamy Rd  
St. Peters, MO 63376

**ENGINEER:**

SEAL:

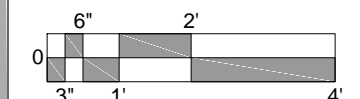
[illegible]

## SUBMITTALS / REVISIONS

**PROJECT NO:**  
**A10313**

**PROJECT:**  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

**SCALE:**  
ANSI-B SIZE: 3/8"=1'-0"  
ANSI-D SIZE: 3/4"=1'-0"



**DRAWING TITLE:**  
MAIN ENTRY DOOR DETAILS  
("COMBO DOOR")

**SHEET:**

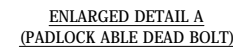
NOT FOR CONSTRUCTION

## AD1.01

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

ENGINEER: \_\_\_\_\_

SEAL:



1. 3-LEAF REVOLVING ENTRY/EXIT DOOR
2. APPROXIMATE SHIPPING WEIGHT - 1,200 LBS
3. ALUMINUM CONSTRUCTION
4. NON-SLIP TREAD FLOORING

- A. FABRIC CLAMP CHANNEL
- B. ROPE EDGE
- C. THREADED STUD WITH NUT, WASHER
- D. FABRIC MEMBRANE
- E. 1/2" CONCRETE ANCHOR (4 TOTAL)
- F. FULL LENGTH GLAZING PANEL
- G. PUSH BARS
- H. PADLOCK ABLE DEAD BOLT (SEE DETAIL A)
- I. FLANGED BEARINGS W/ GREASE FITTINGS
- J. LOW DRAG AIR SEALS
- K. REMOVABLE SERVICE PANEL
- L. REMOVABLE LIFTING EYES
- M. NON-SLIP TREADPLATE FLOORING
- N. CLEAR ANODIZED SKIN
- O. 5" x 7" ARIZON SIGN
- P. BRUSH AIR SEALS (SEE DETAIL B)

## ***SUBMITTALS / REVISIONS***

**PROJECT:**  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

SHEET:

## AD1.02

NOT FOR CONSTRUCTION

IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON BUILDING SYSTEMS DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND. COPYRIGHT ARIZON COMPANIES 2019. ALL RIGHTS RESERVED.

DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

**CUSTOMER (BUYER):**  
Professional Firefighters of Eastern MO  
Chris Marshall  
115 McMenamy Rd  
St. Peters, MO 63376  
Tel: 636-699-8235

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

**ENGINEER:**

**SEAL:**

PRELIM FOR SITE COORDINATION P STEVENS  
06-07-2019

### SUBMITTALS / REVISIONS

**PROJECT NO:**  
A10313

**PROJECT:**  
Professional Firefighters of Eastern Missouri Seasonal Volleyball Dome

**SCALE:**  
ANSI-B SIZE: 3/8"=1'-0"  
ANSI-D SIZE: 3/4"=1'-0"

6"  
0 3" 1' 2' 4'

**DRAWING TITLE:**  
PERSONNEL AIRLOCK DOOR  
DETAILS

**SHEET:**

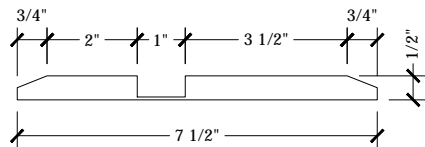
**AD1.03**

#### GENERAL NOTES:

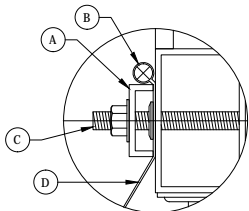
- PERSONNEL AIRLOCK
- APPROXIMATE SHIPPING WEIGHT - 1,000 LBS
- ALUMINUM CONSTRUCTION

#### KEYED NOTES:

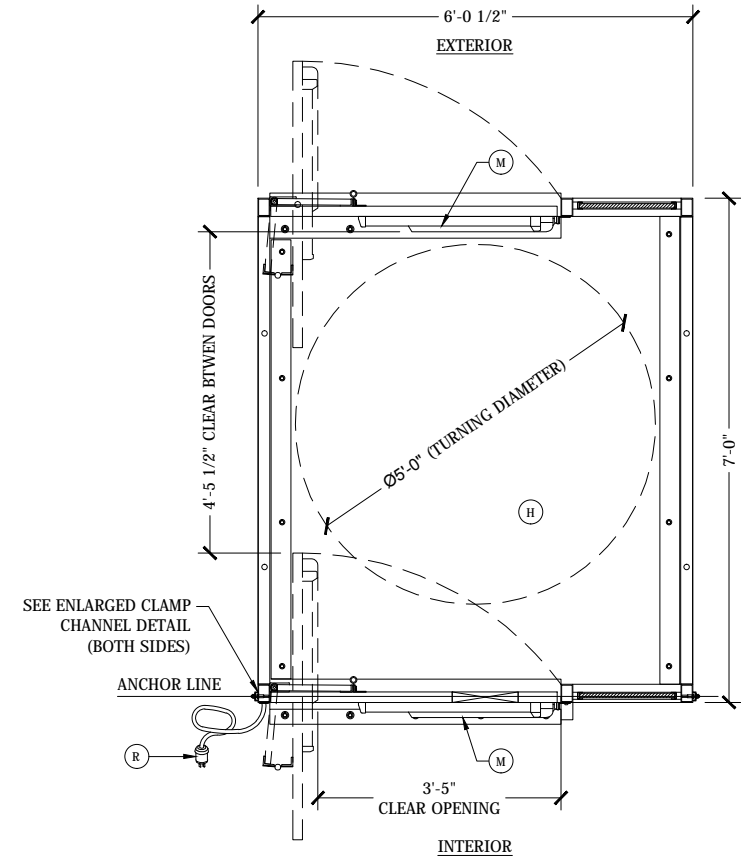
- FABRIC CLAMP CHANNEL
- ROPE EDGE
- THREADED STUD WITH NUT, WASHER
- FABRIC MEMBRANE
- 1/2" CONCRETE ANCHORS (18 TOTAL)
- ADJUSTABLE SPRING HINGES
- REMOVABLE LIFTING EYES
- NON-SLIP TREADPLATE FLOORING
- REMOVABLE LIFTING EYES
- ILLUMINATED EMERGENCY SIGN & LIGHTS WITH BATTERY BACKUP (PER IBC 1011 AND 1011.6.3)
- 5" x 7" ARIZON SIGN
- VISION PANEL
- PANIC HARDWARE (INTERIOR SIDE) (TELL 8300 SERIES)
- PULL HANDLE
- BRUSH AIR SEALS AT FLOOR
- ALUMINUM THRESHOLD
- RUBBER SEALS AT TOP AND SIDES
- EXIT SIGN POWER CORD - 3 FOOT PIGTAIL AT HINGE SIDE OF DOOR FRAME (120V POWER)



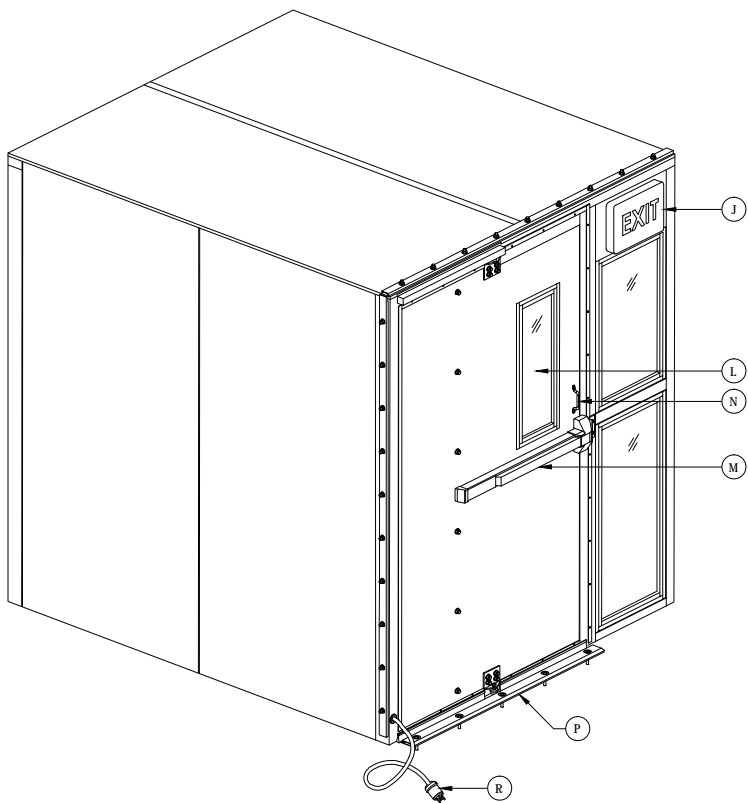
ALUMINUM THRESHOLD DETAIL (SIDE VIEW)



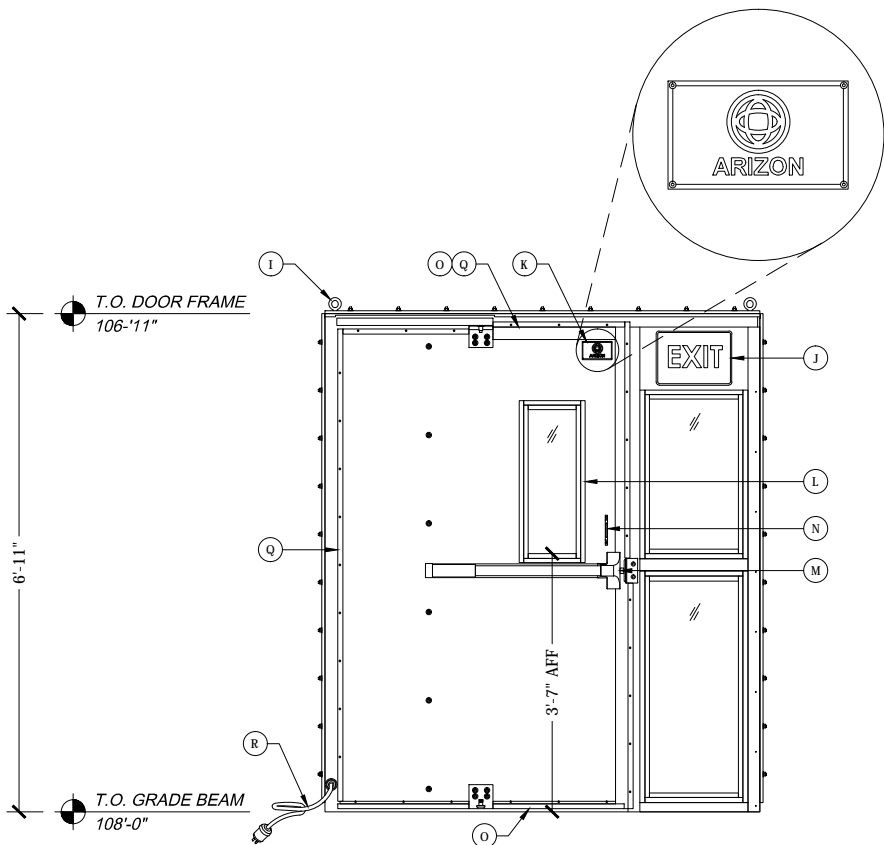
ENLARGED CLAMP CHANNEL DETAIL



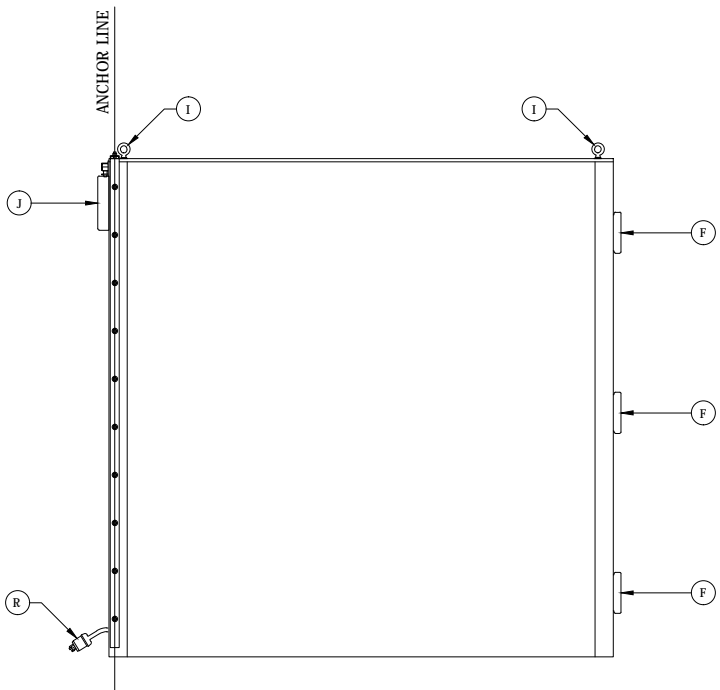
1 PLAN VIEW  
SCALE: 3/4" = 1'-0"



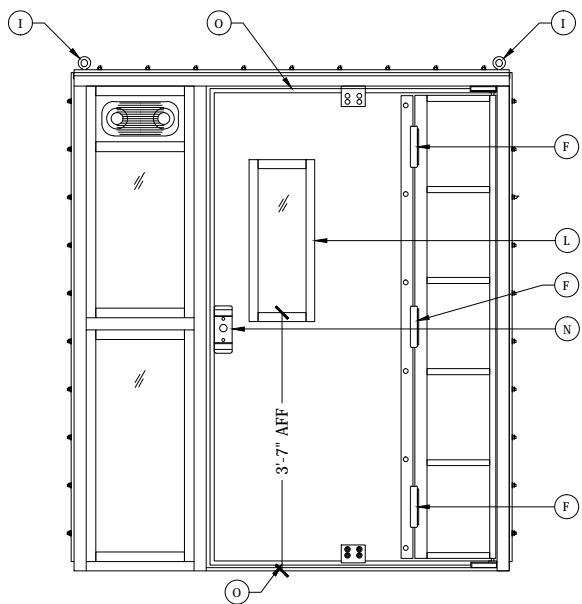
5 ISOMETRIC VIEW  
SCALE: N.T.S.



2 INTERIOR ELEVATION  
SCALE: 3/4" = 1'-0"



3 SIDE ELEVATION  
SCALE: 3/4" = 1'-0"

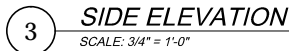


4 EXTERIOR ELEVATION  
SCALE: 3/4" = 1'-0"

NOT FOR CONSTRUCTION



ALUMINUM THRESHOLD DETAIL (SIDE VIEW)



## AD1.04



IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE  
 RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS  
 DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE  
 OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY  
 PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF  
 ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON BUILDING  
 SYSTEMS DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO  
 ARIZON COMPANIES UPON DEMAND. COPYRIGHT ARIZON COMPANIE  
 2019. ALL RIGHTS RESERVED.

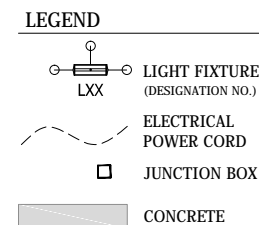
DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE  
REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

**CUSTOMER (BUYER):**  
Professional Firefighters of Eastern MO  
Chris Marshall  
115 McMenamy Rd  
St. Peters, MO 63376  
Tel: 636-699-8235

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

ENGINEER:

SEAL:



## SUBMITTALS / REVISIONS


**PROJECT NO:**  
A10313

**PROJECT:**  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

**SCALE:**

ANSI-B SIZE:  $3/64" = 1'-0"$

ANSI-D SIZE:  $3/32" = 1'-0"$



A graphical scale bar for ANSI-B and ANSI-D drawing standards. The bar is divided into segments of 2', 8', and 32'. The top of the bar is labeled with 4' and 16'. The bottom of the bar is labeled with 2', 8', and 32'. A dashed line runs diagonally across the bar, indicating the scale ratio.

**DRAWING TITLE:**  
**LIGHTING AND WIRING PLAN**

**SHEET:**

**AE1.01**

## KEYED NOTES

- ← (1) 120v, 1 ϕ, 60Hz JUNCTION BOX WITH NEMA L7-15 TWIST-LOCK RECEPTACLE FOR PRIMARY LIGHTING
- ← (2) 120v, 1 ϕ, 60Hz JUNCTION BOX WITH NEMA L7-20 TWIST-LOCK RECEPTACLE FOR EXIT SIGN AND EXTERIOR REMOTE HEAD FIXTURE

DRAWINGS SHOW EQUIPMENT WHICH WILL BE FURNISHED BY ARIZON OR BY OTHERS ARE NOT PART OF THE STRUCTURAL DESIGN OR ANALYSIS.

NOT FOR CONSTRUCTION

1 LIGHTING AND WIRING PLAN  
SCALE: 3/32" = 1'-0"

NOT FOR CONSTRUCTION



IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON BUILDING SYSTEMS DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND. COPYRIGHT ARIZON COMPANIES 2019. ALL RIGHTS RESERVED.

DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE  
REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

**ENGINEER:**

**SEAL:**



GRADE BEAM  
(SEE AS2.01 FOR DETAILS)

RECESSED JUNCTION BOXES &  
POWER CONNECTIONS (TYP.)

RECESSED JUNCTION BOXES &  
POWER CONNECTIONS (TYP.)

D-RING FABRIC DISC

12/3 SE00W CORD

TWIST LOCK CONNECTOR  
(NEMA L7-15)

TWIST LOCK PLUG  
(NEMA L7-15)

FABRIC SEAM (TYP.)

#2 GALVANIZED WIRE ROPE  
Y-HANGER WITH HOOKS

INDIRECT LED  
LIGHT FIXTURE

	PRELIM FOR SITE COORDINATION	P STEVENS
		06-07-2019

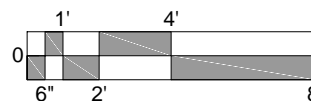
## ***SUBMITTALS / REVISIONS***

**PROJECT NO:**  
**A10313**

**PROJECT:**  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

**SCALE:**

ANSI-B SIZE: 3/16"=1'-0"  
ANSI-D SIZE: 3/8"=1'-0"



**DRAWING TITLE:**

## LIGHT FIXTURE HANGING AND WIRING DETAILS

**SHEET:**

# AE2.01

GENERAL NOTES:

1. FINAL WIRING AND TERMINATION, RECEPTACLES, JUNCTION BOXES AND CONDUIT BY OTHERS UNLESS NOTED OTHERWISE.
2. OWNER/ARCHITECT TO VERIFY THAT CORD SIZE AND TYPE ARE ADEQUATE PER LOCAL CODES.
3. SEE TAB 6 OF ARIZON'S SUBMITTAL FOR MORE INFORMATION
4. SEE RESPONSIBILITY MATRIX AA1.00 FOR MORE INFORMATION

DRAWINGS SHOW EQUIPMENT WHICH WILL BE FURNISHED BY ARIZON OR BY OTHERS ARE ARE NOT PART OF THE STRUCTURAL DESIGN OR ANALYSIS.

1

## INDIRECT LIGHTING HANGING AND WIRING DETAILS

SCALE: 3/8" = 1'-0"

NOT FOR CONSTRUCTION



DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

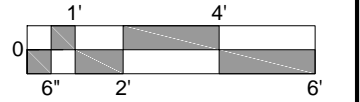
**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

SEAL:

[illegible]

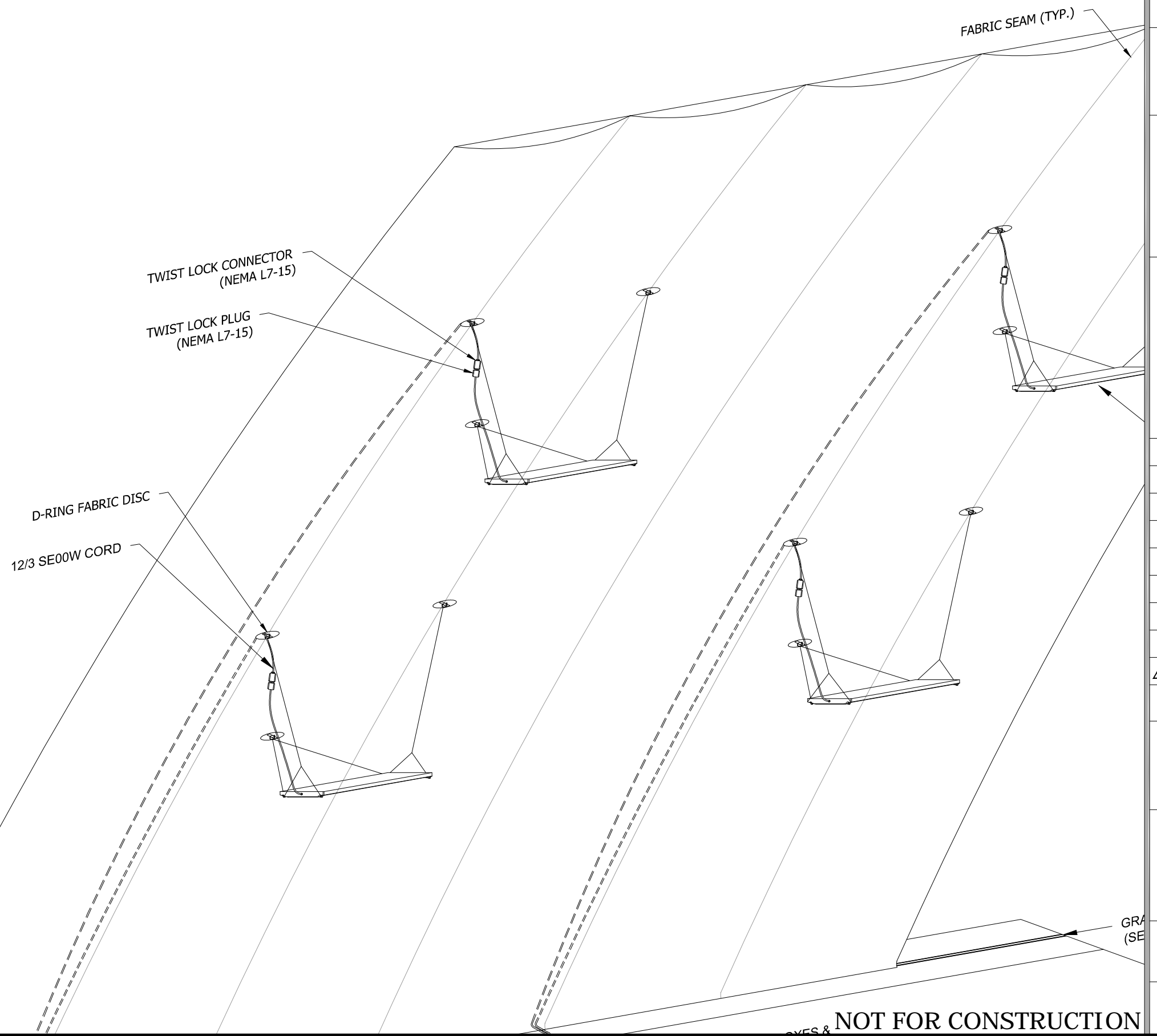
PROJECT NO:  
A10313

**SCALE:**  
ANSI-B SIZE: 1/4"=1'-0"  
ANSI-D SIZE: 1/2"=1'-0"



SHEET: \_\_\_\_\_

## AE2.02



NOT FOR CONSTRUCTION



**ARIZON<sup>TM</sup>**  
BUILDING SYSTEMS

11880 Dorsett Rd.  
St. Louis, MO, USA 63043  
Tel: (314) 739-0037  
[www.arizonabuildingsystems.com](http://www.arizonabuildingsystems.com)

IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON BUILDING SYSTEMS DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND. COPYRIGHT ARIZON COMPANIES 2019. ALL RIGHTS RESERVED.

DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

**CUSTOMER (BUYER):**  
Professional Firefighters of Eastern MO  
Chris Marshall  
115 McMenamy Rd  
St. Peters, MO 63376  
Tel: 636-699-8235

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

ENGINEER:

SEAL:

[illegible]

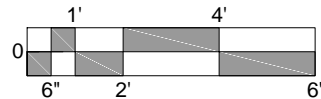
## ***SUBMITTALS / REVISIONS***

**PROJECT NO:**  
**A10313**

**PROJECT:**  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

SCALE:

ANSI-B SIZE: 1/4"=1'-0"  
ANSI-D SIZE: 1/2"=1'-0"



DRAWING TITLE:

ENLARGED MECHANICAL  
CONCRETE PAD PLAN

**SHEET:**





# AM1.01

KEYED NOTES:

2. AIR HANDLING UNIT (AHU)
3. PRIMARY ELECTRICAL AND CONTROLS CABINET
4. SECONDARY ELECTRICAL AND CONTROLS CABINET
5. BURNER CABINET
6. PRIMARY INFLATION FAN (BELOW)
7. BACKUP INFLATION FAN (ABOVE)
8. CIRCULATION FAN
9. HEAT EXCHANGER
10. HEATER EXHAUST FLUE PIPE
11. SUPPLY AIR DISCHARGE OPENING (ABOVE)
12. RETURN AIR INTAKE OPENING (BELOW)
13. ACCESS DOOR
14. PULL PANEL
15. RAIN HOOD
16. MAIN POWER DISTRIBUTION PANEL (BELOW)
17. TRANSFORMER (IF APPLICABLE)
18. AUTOMATIC TRANSFER SWITCH
19. PRIMARY ELECTRIC SERVICE TO AIR HANDLING UNIT (208v, 3ø, 60Hz)
20. STUB-UP FOR UNDERGROUND PRIMARY ELECTRIC SERVICE
21. PRIMARY NATURAL GAS SERVICE TO AIR HANDLING UNIT
22. NATURAL GAS REGULATOR FOR AIR HANDLING UNIT (BY OTHERS)
23. STUB-UP FOR UNDERGROUND NATURAL GAS SERVICE.
24. REGULATED GAS SUPPLY AT INLET TO AIR HANDLING UNIT MUST BE X BTU's AT 11 IN/W.C. MINIMUM, 14 IN/W.C. MAXIMUM.
25. BACK UP GENERATOR (11kW, 240v, 1ø, 60Hz) TO BE 20'-0" (MIN.) FROM DOME PER 2012 IFC 3104.19 SEPARATION OF GENERATORS
26. BACK UP ELECTRICAL SERVICE & CONTROLS WIRING
27. STUB-UP FOR UNDERGROUND BACK UP ELECTRICAL SERVICE & CONTROLS
28. NATURAL GAS SERVICE TO GENERATOR
29. NATURAL GAS REGULATOR FOR GENERATOR (BY OTHERS)
30. REGULATED GAS SUPPLY AT INLET TO GENERATOR MUST BE X BTU's AT 3.5 IN/W.C. MINIMUM, 7 IN/W.C. MAXIMUM
31. CONDENSING UNIT
32. CIRCUIT A SUCTION LINE
33. CIRCUIT A LIQUID LINE
34. CIRCUIT B SUCTION LINE
35. CIRCUIT B LIQUID LINE
36. COOLING COIL
37. FILTER BANK
38. PRIMARY ELECTRIC SERVICE TO ACCU (208v, 3ø, 60Hz)
39. STUB-UP FOR UNDERGROUND ELECTRIC SERVICE TO ACCU
40. A/C CONTROLS WIRING
41. STUB-UP FOR UNDERGROUND A/C CONTROLS WIRING
42. SNOW SENSOR
43. WIND SENSOR (ANEMOMETER)(SEE NOTE 8)
44. WIND SENSOR CONTROL WIRING (BY OTHERS)
45. STUB-UP FOR UNDERGROUND WIND SENSOR CONTROL WIRING
46. REMOTE TOUCH SCREEN DISPLAY CONSOLE
47. REMOTE TOUCH SCREEN DISPLAY CONSOLE CONTROL WIRING (BY OTHERS)
48. STUB-UP FOR UNDERGROUND REMOTE DISPLAY CONSOLE WIRING
49. RS485 2 CONDUCTOR SHIELDED CABLE FOR COMMUNICATIONS BETWEEN AHU-1 AND AHU-2. PLAN NETWORK LENGTH 1640 FT. MAX (BY OTHERS)
50. PRE-WIRED, COLOR CODED ELECTRICAL TERMINATIONS AT SHIPPING SPLITS. TERMINATIONS TO BE COMPLETED IN THE FIELD BY THE ELECTRICAL CONTRACTOR. TERMINATION BOXES MAY BE LOCATED ON THE INTERIOR OR EXTERIOR OF THE UNIT. ENSURE THAT ALL TERMINATIONS ARE COMPLETED PRIOR TO ENERGIZING THE EQUIPMENT.
51. MECHANICAL CONNECTIONS AT SHIPPING SPLITS TO BE COMPLETED BY THE INSTALLING MECHANICAL CONTRACTOR. ALL FASTENERS PROVIDED BY ARIZON. REFER TO THE EQUIPMENT I.O.M. FOR INSTALLATION INSTRUCTIONS FOR GASKET, TRIM STRIPS, AND SEALANT.
52. PVC PRESSURE SENSING LINE CONNECTION AT SHIPPING SPLITS. LOCATED ON INTERIOR OF UNIT IN THE RETURN AIR PLENUM (BELOW). ENSURE THAT THE SUPPLIED GASKET IS PROPERLY SEATED.

GENERAL NOTES:

1. REFERENCE THE PROJECT RESPONSIBILITY MATRIX ON SHEET AA1.00 FOR DETAILED INFORMATION REGARDING ARIZON'S SCOPE OF WORK.
2. INSTALLER TO DETERMINE AHU PLACEMENT BY ALIGNING CENTER LINE OF CLAMP CHANNEL WITH THE INSIDE EDGE OF THE ALUMINUM EXTRUSION
3. SEE TAB 6 OF THE SUBMITTAL FOR ADDITIONAL INFORMATION ON THE AIR HANDLING UNIT AND RELATED COMPONENTS.
4. SEE TAB 7 OF THE SUBMITTAL FOR ADDITIONAL INFORMATION ON THE BACKUP GENERATOR AND RELATED COMPONENTS.
5. ALL FIELD WIRING AND TERMINATIONS ARE TO BE FURNISHED AND INSTALLED BY THE INSTALLING ELECTRICAL CONTRACTOR PER ALL APPLICABLE CODES.
6. WIRING BETWEEN SHIPPING SECTIONS OF AIR HANDLING UNIT TO BE COMPLETED BY THE INSTALLING ELECTRICAL CONTRACTOR.
7. AIR HANDLING UNIT COMPONENTS SHOWN FOR SCHEMATIC REFERENCE ONLY. ~~WORK~~ INSTALLATIONS MAY VARY.
8. ~~ARIZON CONTROLS~~ PROVIDE 10 FEET OF EMT CONDUIT AND WIRES FOR TEMPORARY MOUNTING OF THE WIND SENSOR FOR INITIAL COMMISSIONING OF THE AIR HANDLING UNIT. ~~CONTROL~~ CONTROL SERVICE. THE OWNER'S ELECTRICIAN SHOULD RELOCATE THE SENSOR TO AN APPROPRIATE FINAL LOCATION BASED ON PREVAILING WIND CONDITIONS AT THE SITE. ~~INSTALLATION MUST BE IN STRICT ACCORDANCE WITH THE OEM'S INSTALLATION INSTRUCTIONS.~~ INSTALLATION MUST BE IN STRICT ACCORDANCE WITH THE OEM'S INSTALLATION INSTRUCTIONS.

	REMOTE DISPLAY CONSOLE		SERVICE CLEARANCE ZONE
	NATURAL GAS REGULATOR		CONCRETE

DRAWINGS SHOW EQUIPMENT WHICH WILL BE FURNISHED BY ARIZON OR BY OTHERS ARE NOT PART OF THE STRUCTURAL DESIGN OR ANALYSIS.

1

ENLARGED MECHANICAL PAD PLAN

SCALE: 1/2" = 1'-0"

NOT FOR CONSTRUCTION



SCALE: N.T.S.



SCALE: N.T.S.

## AM2.01





IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE  
RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THE  
DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE  
OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY  
PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF  
ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON BUILDING  
SYSTEMS DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO  
ARIZON COMPANIES UPON DEMAND. COPYRIGHT ARIZON COMPANIE  
2019. ALL RIGHTS RESERVED.

DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE  
REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

**CUSTOMER (BUYER):**  
Professional Firefighters of Eastern MO  
Chris Marshall  
115 McMenamy Rd  
St. Peters, MO 63376  
Tel: 636-699-8235

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

ENGINEER:

SEAL:

[illegible]

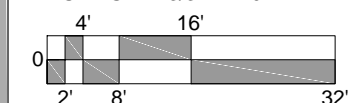
	PRELIM FOR SITE COORDINATION	P STEVENS
		06-07-2019

## SUBMITTALS / REVISIONS

PROJECT NO:  
A10313

**PROJECT:**  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

**SCALE:**  
ANSI-B SIZE: 3/64"=1'-0"  
ANSI-D SIZE: 3/32"=1'-0"



**DRAWING TITLE:**  
**FOUNDATION PLAN**

SHEET:

## AS1.01



1 FOUNDATION PLAN  
SCALE: 3/32" = 1'-0"

NOT FOR CONSTRUCTION



IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THE DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON BUILDING SYSTEMS DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND. COPYRIGHT ARIZON COMPANIE 2019. ALL RIGHTS RESERVED.

DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE  
REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

**CUSTOMER (BUYER):**  
Professional Firefighters of Eastern MO  
Chris Marshall  
115 McMenamy Rd  
St. Peters, MO 63376  
Tel: 636-699-8235

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

ENGINEER:

SEAL:

[illegible]

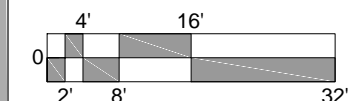
	PRELIM FOR SITE COORDINATION	P STEVENS
		06-07-2019

## SUBMITTALS / REVISIONS

PROJECT NO:  
A10313

**PROJECT:**  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

**SCALE:**  
ANSI-B SIZE: 3/64"=1'-0"  
ANSI-D SIZE: 3/32"=1'-0"



**DRAWING TITLE:**  
**ANCHOR PLAN**

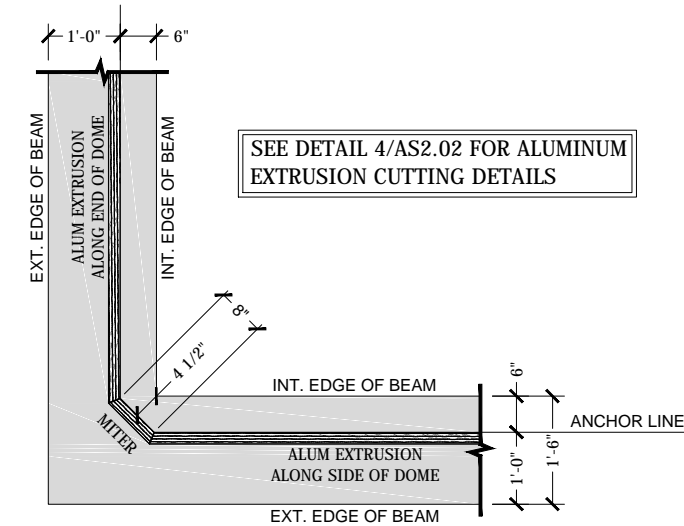
SHEET:

## AS1.02

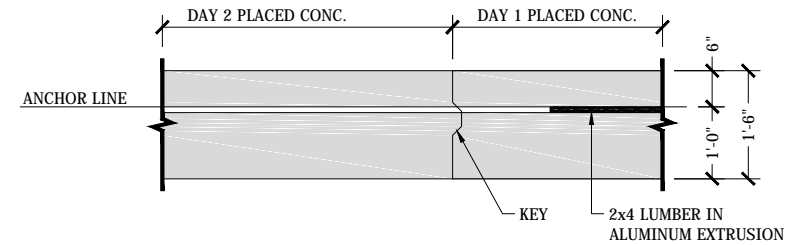


1 **STRUCTURAL CABLES ANCHOR PLAN**  
SCALE: 3/32" = 1'-0"

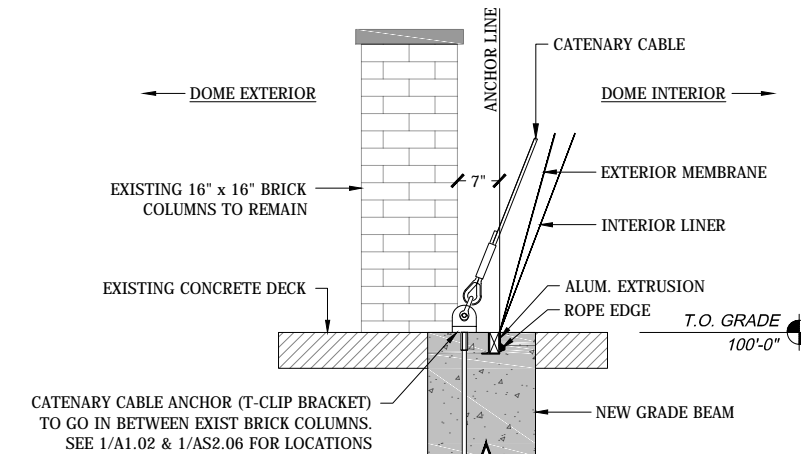
NOT FOR CONSTRUCTION



6 (TYP.) CORNER DETAIL  
SCALE: 3/4" = 1'-0" (TYP. ALL 4 CORNERS)

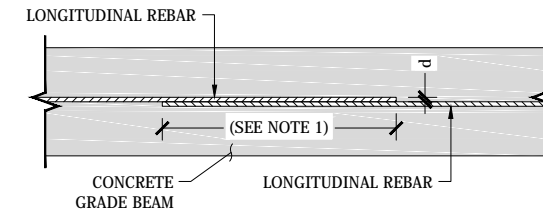


8 (TYP.) GRADE BEAM CONSTRUCTION JOINT  
SCALE: 3/4" = 1'-0" (PLAN VIEW)

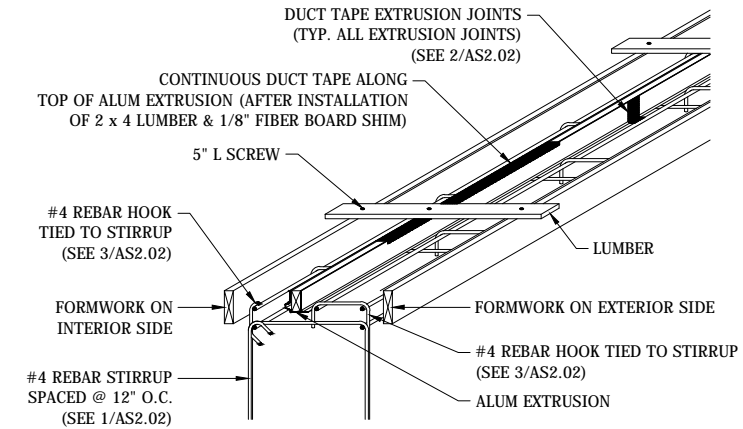


5 (TYP.) GRADE BEAM SECTION  
SCALE: 3/4" = 1'-0"

- NOTES:
1. MINIMUM OVERALL PER ACI 318, BUT NO LESS THAN 48d.
  2. VERTICAL SPACING OF LONGITUDINAL REBAR SHALL BE 12" O.C.

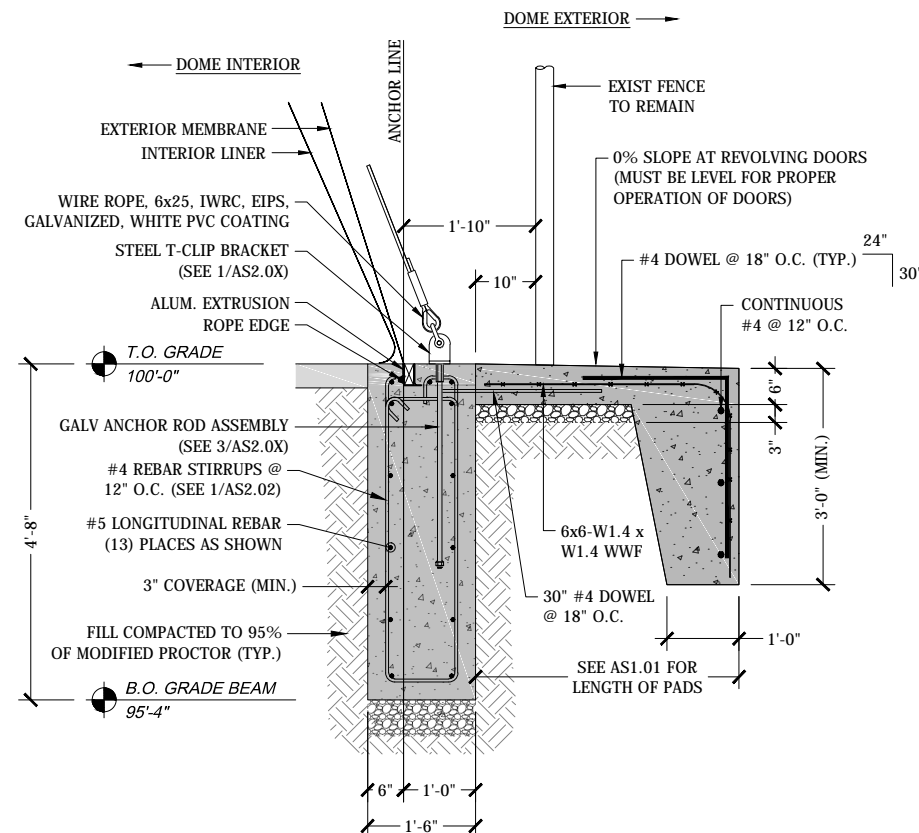


7 CONTACT LAP SPLICE  
SCALE: 3/4" = 1'-0" (PLAN VIEW)

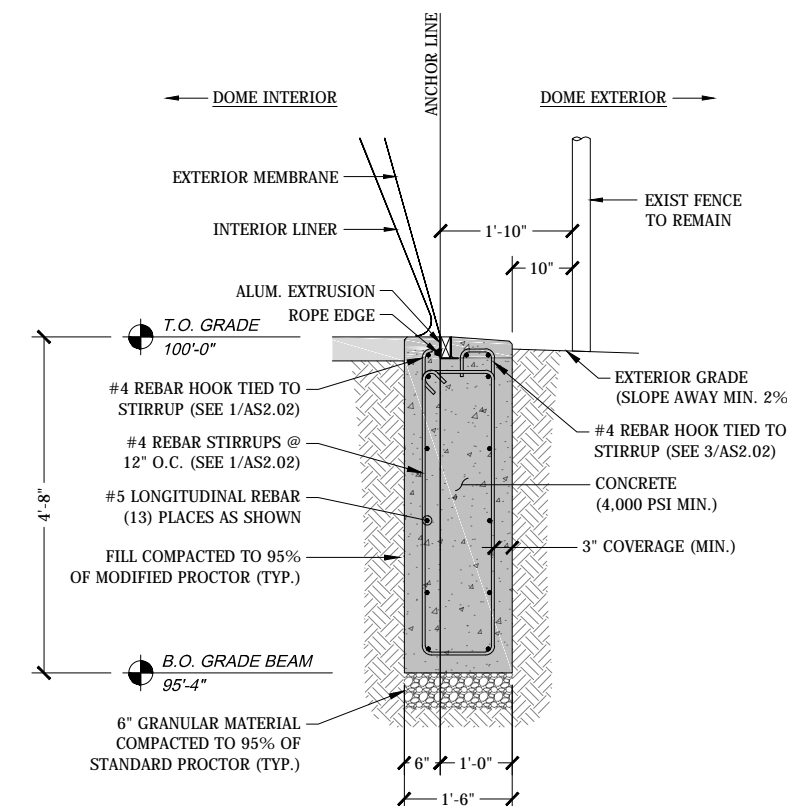


4 (TYP.) GRADE BEAM FORMWORK DETAIL  
SCALE: 3/4" = 1'-0"

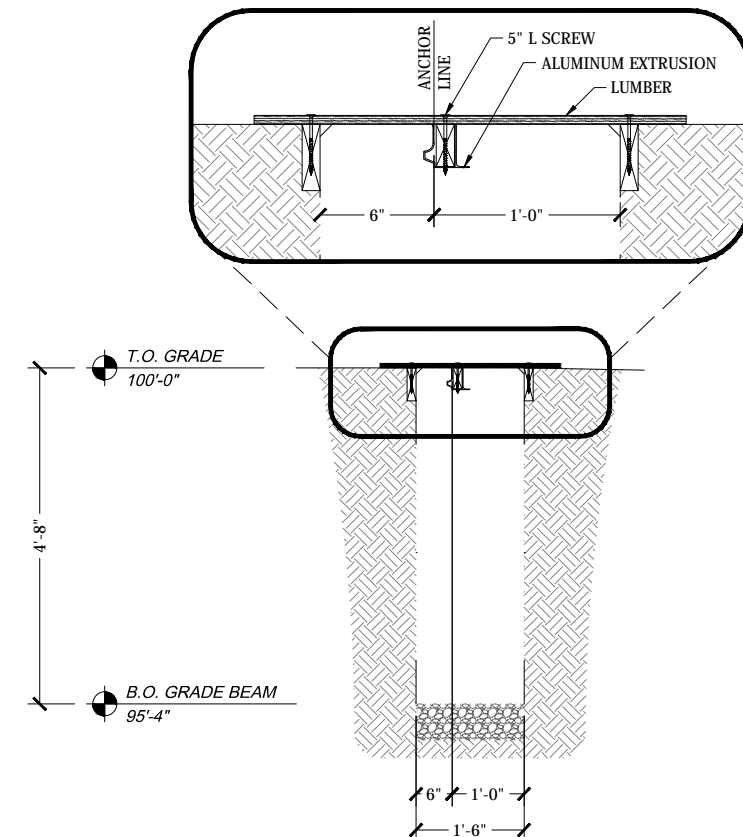
NOTE: THE ENGINEERED DESIGN OF THE GRADE BEAM REQUIRES THAT IT BE INSTALLED AS ONE CONTINUOUS AND COHESIVE CONCRETE POUR. PLACEMENT OF CONCRETE IN SEPARATE LIFTS IS NOT ALLOWED. IF REQUIRED, ONLY VERTICAL COLD JOINTS MAY BE UTILIZED PER DETAIL 8/AS2.01. HORIZONTAL COLD JOINTS SHOULD NOT BE UTILIZED AS AN INSTALLATION METHOD.



3 (TYP.) GRADE BEAM SECTION AT CONCRETE PAD  
SCALE: 3/4" = 1'-0"



2 (TYP.) GRADE BEAM SECTION  
SCALE: 3/4" = 1'-0"



1 (TYP.) EXCAVATION AND TRENCH FORMING DETAILS  
SCALE: 3/4" = 1'-0"

NOT FOR CONSTRUCTION

**ARIZON**<sup>TM</sup>  
BUILDING SYSTEMS  
11880 Dorsett Rd.  
St. Louis, MO, USA 63043  
Tel: (314) 739-0037  
www.arizonbuildingsystems.com

IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS. FOR ANY PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF ARIZON COMPANIES, OR ITS JOHNSON, MARCRAFT OR ARIZON BUILDING SYSTEMS DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO ARIZON COMPANIES UPON DEMAND. COPYRIGHT ARIZON COMPANIES 2019. ALL RIGHTS RESERVED.

DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

**CUSTOMER (BUYER):**  
Professional Firefighters of Eastern MO  
Chris Marshall  
115 McMenamy Rd  
St. Peters, MO 63376  
Tel: 636-699-8235

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

**ENGINEER:**

**SEAL:**

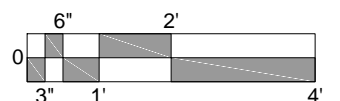
PRELIM FOR SITE COORDINATION P STEVENS  
06-07-2019

## SUBMITTALS / REVISIONS

**PROJECT NO:**  
A10313

**PROJECT:**  
Professional Firefighters of Eastern Missouri Seasonal Volleyball Dome

**SCALE:**  
ANSI-B SIZE: 3/8"=1'-0"  
ANSI-D SIZE: 3/4"=1'-0"



**DRAWING TITLE:**  
ENLARGED GRADE BEAM SECTIONS AND DETAILS

**SHEET:**

AS2.01





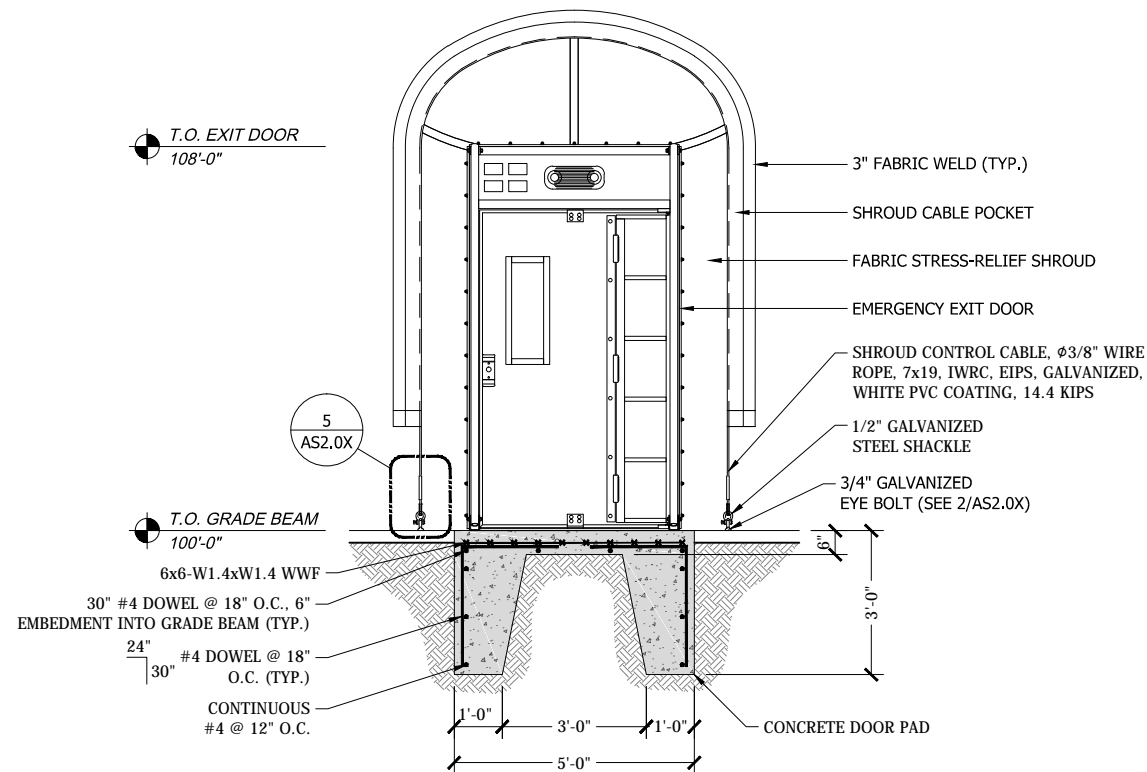
DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

**CUSTOMER (BUYER):**  
Professional Firefighters of Eastern MO  
Chris Marshall  
115 McMenamy Rd  
St. Peters, MO 63376  
Tel: 636-699-8235

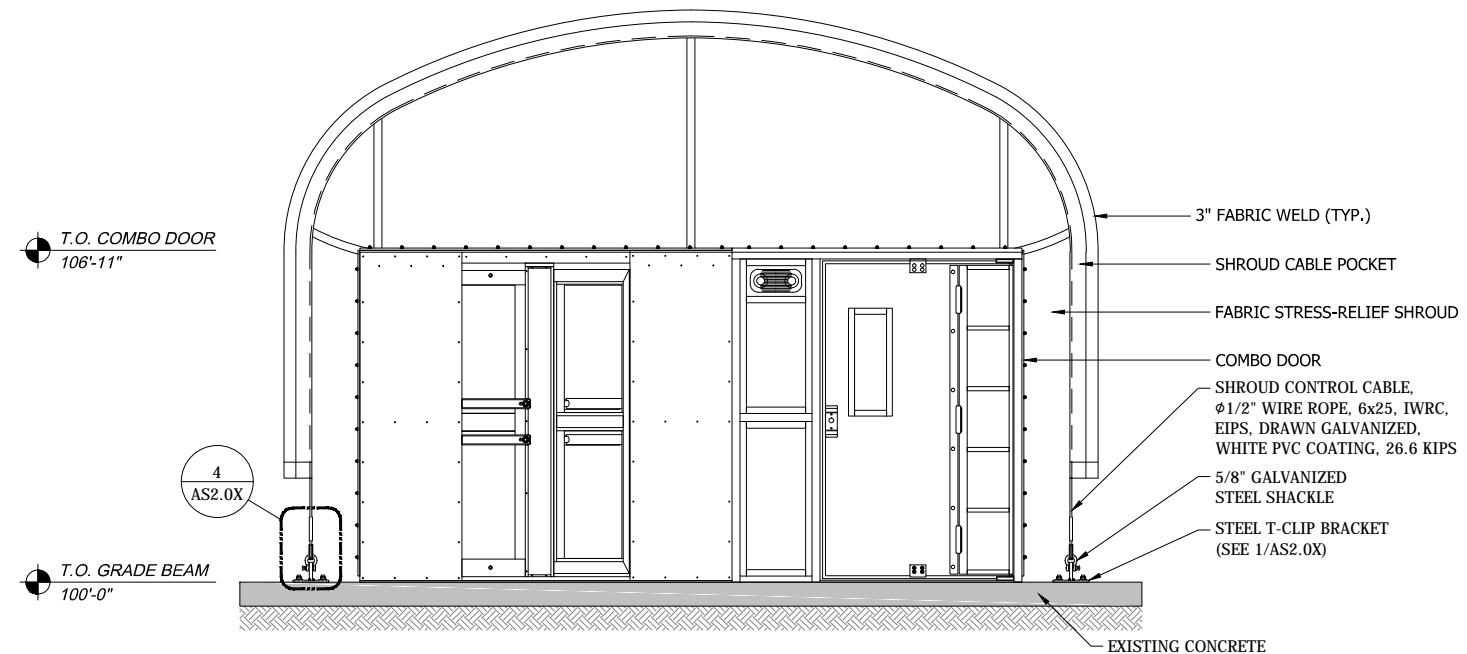
**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

ENGINEER:

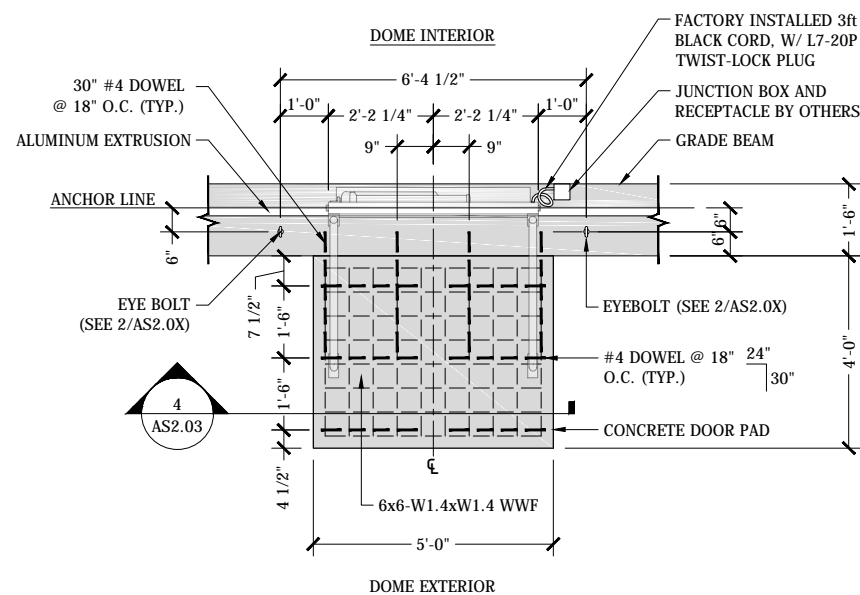
SEAL:



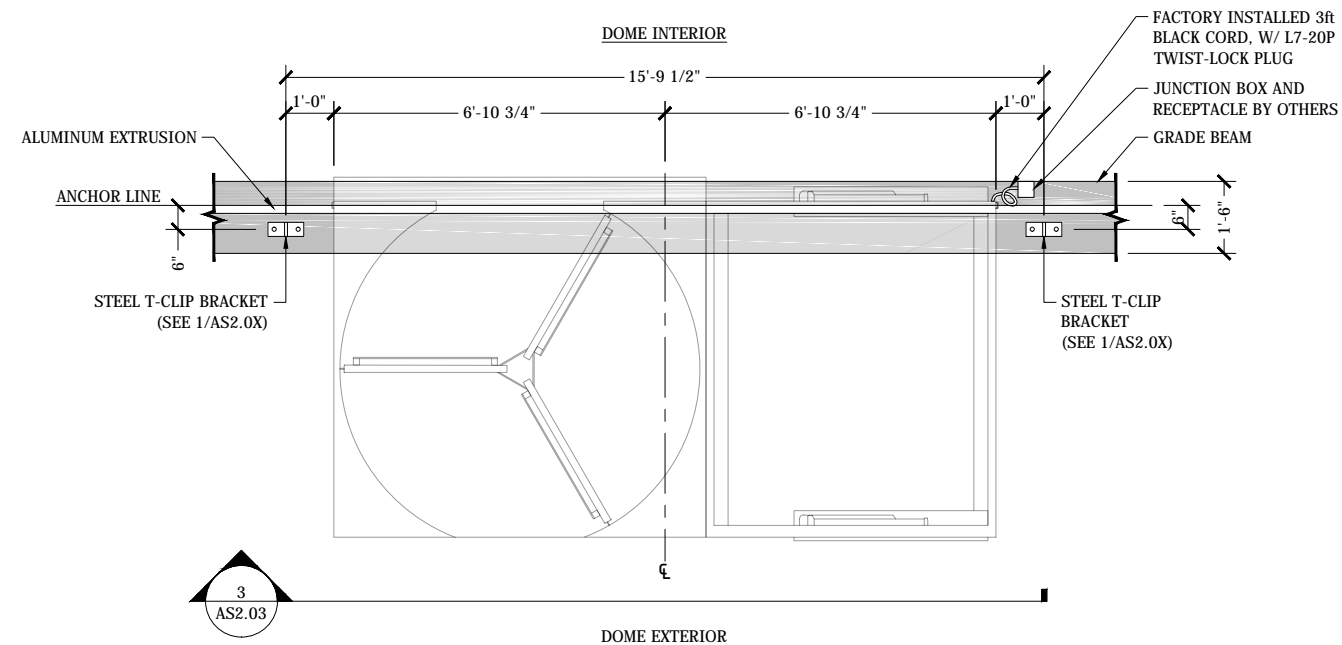
4 ENLARGED ELEVATION AT EMERGENCY EXIT DOOR  
SCALE: 1/2" = 1'-0"



3 **ENLARGED ELEVATION AT COMBO DOOR**  
SCALE: 1/2" = 1'-0"



2 ENLARGED ANCHOR PLAN AT EMERGENCY EXIT DOOR  
SCALE: 1/2" = 1'-0"



1 **ENLARGED ANCHOR PLAN AT COMBO DOOR**  
SCALE: 1/2" = 1'-0"

NOT FOR CONSTRUCTION

## AS2.03

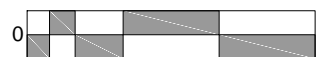
## SUBMITTALS / REVISIONS

PROJECT NO:  
A10313

**PROJECT:**  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

SCALE:

AS NOTED



**DRAWING TITLE:**  
ENLARGED ANCHORAGE DETAILS  
AT EXIT DOOR SHROUDS

**SHEET:**

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

**ENGINEER:**

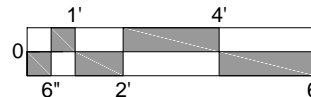
**SEAL:**

[illegible]

	PRELIM FOR SITE COORDINATION	P STEVENS
		06-07-2019

**PROJECT NO:**  
**A10313**

**SCALE:**  
ANSI-B SIZE: 1/4"=1'-0"  
ANSI-D SIZE: 1/2"=1'-0"



**SHEET**

# AS2.04



NOT FOR CONSTRUCTION



T.O. ARCHES  
108'-0"

(CONTINUED FROM  
DETAIL 1/AS2.06)

T.O. CONC.  
100'-0"

EXISTING BRICK COLUMNS / FENCE TO REMAIN

EXTERIOR ELEVATION

CATENARY ARCHES (TYP.)

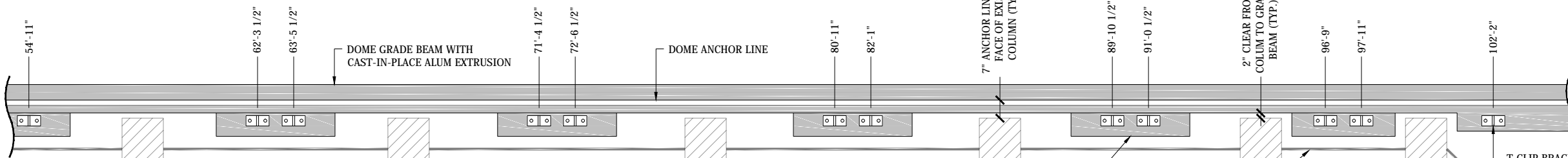
CABLE POCKET

STEEL SHACKLE

T-CLIP BRACKET  
(SEE X/AS2.0X)

EXIST CONC

Ø1/2" WIRE ROPE, 6x25, IWRC, EIPS, DRAWN  
GALVANIZED, WHITE PVC COATING (TYP.)



PLAN VIEW

2 ENLARGED CATENARY ARCH DETAILS CONT'D (EXTERIOR VIEW)

SCALE: 1/2" = 1'-0"

T.O. ARCHES  
108'-0"

(TOWARDS 3-LEAF  
REVOLVING DOOR  
ON END OF DOME)

STEEL SHACKLE (TYP.)

T-CLIP BRACKET (TYP.)  
(SEE X/AS2.0X)

T.O. CONC.  
100'-0"

EXIST CONC

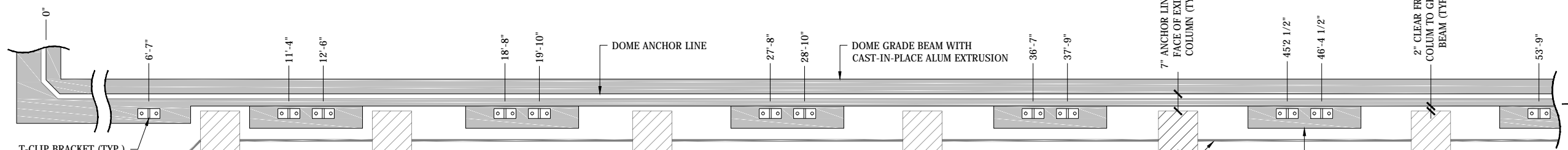
Ø1/2" WIRE ROPE, 6x25, IWRC, EIPS, DRAWN  
GALVANIZED, WHITE PVC COATING (TYP.)

EXTERIOR ELEVATION

EXISTING BRICK COLUMNS  
& FENCE TO REMAIN

CATENARY ARCHES (TYP.)

CABLE POCKET



PLAN VIEW

1 ENLARGED CATENARY ARCH DETAILS (EXTERIOR VIEW)

SCALE: 1/2" = 1'-0"

NOTE: DIMENSIONS SHOWN ARE LOCATING THE CENTER OF THE STEEL T-CLIP  
BRACKETS. SEE X/AS2.0X FOR ANCHOR LOCATIONS IN RELATION TO BRACKET

**ARIZON**<sup>TM</sup>  
**BUILDING SYSTEMS**  
11880 Dorsett Rd.  
St. Louis, MO, USA 63043  
Tel: (314) 739-0037  
www.arizonbuildingsystems.com

IN CONSIDERATION OF THE RECEIPT OF THIS DOCUMENT, THE  
RECIPIENT AGREES NOT TO REPRODUCE, COPY, USE OR TRANSMIT THIS  
DOCUMENT AND/OR THE INFORMATION THEREIN CONTAINED, IN WHOLE  
OR IN PART, OR TO SUFFER SUCH ACTION BY OTHERS, FOR ANY  
PURPOSE, EXCEPT WITH THE ADVANCE WRITTEN PERMISSION OF  
ARIZON COMPANIES, OR ITS JOHNSON, MARGRAFT OR ARIZON BUILDING  
SYSTEMS DIVISIONS, AND FURTHER AGREES TO SURRENDER SAME TO  
ARIZON COMPANIES UPON DEMAND. COPYRIGHT ARIZON COMPANIES  
2019. ALL RIGHTS RESERVED.

DO NOT SCALE THE DRAWING - ANY ERRORS OR OMISSIONS SHALL BE  
REPORTED TO ARIZON BUILDING SYSTEMS WITHOUT DELAY.

**CUSTOMER (BUYER):**  
Professional Firefighters of Eastern MO  
Chris Marshall  
115 McMenamy Rd  
St. Peters, MO 63376  
Tel: 636-699-8235

**JOB SITE ADDRESS:**  
115 McMenamy Rd  
St. Peters, MO 63376

**ENGINEER:**

**SEAL:**

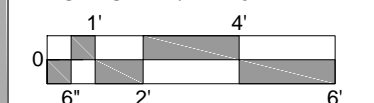
PRELIM FOR SITE COORDINATION P STEVENS  
06-07-2019

**SUBMITTALS / REVISIONS**

**PROJECT NO:**  
A10313

**PROJECT:**  
Professional Firefighters of Eastern  
Missouri Seasonal Volleyball Dome

**SCALE:**  
ANSI-B SIZE: 1/4"=1'-0"  
ANSI-D SIZE: 1/2"=1'-0"



**DRAWING TITLE:**  
ENLARGED ANCHORAGE DETAILS  
AT CATENARY ARCHES

**SHEET:**

**AS2.06**

NOT FOR CONSTRUCTION