

Lee's Summit R7 District Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

VOLUME 3 Cover Sheet

W-G000

September 28, 2020

Project Team:

owner:	architect:	structural engineer:	civil engineer:	mechanical/electrical engineer:
Lee's Summit R-7 School District 301 NE Tudor Road Lee's Summit, MO 64086	Gould Evans 4200 Pennsylvania Avenue Kansas City, MO 64111 816.931.6655 voice www.goulddevans.com	Bob D. Campbell & Company, 4338 Belleview Avenue Kansas City, MO 64111 816.531.4144	Kaw Valley Engineering 14700 West 114th Terrace Lenexa, KS 66215 913.485.0318	Henderson Engineers 8345 Lenexa Drive Suite 300 Lenexa, KS 66214 816.742.5000

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BID SET

0119-0101

	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
Index of Drawings																			
Volume 1 - LSHS					Volume 2 - LSNHS					Volume 3 - LSWHS								General Notes:	
00 Covers H-G000 VOLUME 1 Cover Sheet					00 Covers N-G000 VOLUME 2 Cover Sheet					00 Covers W-G000 VOLUME 3 Cover Sheet								1. THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTOR. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL; PERFORMANCE BY THE CONTRACTOR SHALL BE REQUIRED ONLY TO THE EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERRABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INDICATED RESULTS.	
01.0 General Information H-G001 Index of Drawings & General Project Notes					01.0 General Information N-G001 Index of Drawings & General Project Notes					01.0 General Information W-G001 Index of Drawings & General Project Notes								2. ORGANIZATION OF THE SPECIFICATIONS INTO DIVISIONS, SECTIONS AND ARTICLES, AND ARRANGEMENT OF DRAWINGS SHALL NOT CONTROL THE CONTRACTOR IN DIVIDING THE WORK AMONG SUBCONTRACTORS OR IN ESTABLISHING THE EXTENT OF WORK TO BE PERFORMED BY ANY TRADE.	
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99.0 Not Used NF-01 Food Establishment Plan																			
x_ Unused WF-01 Food Establishment Plan																			
Author H-AF004 Unnamed H-AF005 Unnamed																			
PRINT DATE/TIME: 11/4/2020 9:44:46 AM																			

General Notes:

- THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL ITEMS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK BY THE CONTRACTOR. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. PERFORMANCE BY THE CONTRACTOR SHALL BE REQUIRED ONLY TO THE EXTENT CONSISTENT WITH THE CONTRACT DOCUMENTS AND REASONABLY INFERRABLE FROM THEM AS BEING NECESSARY TO PRODUCE THE INDICATED RESULTS.
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Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

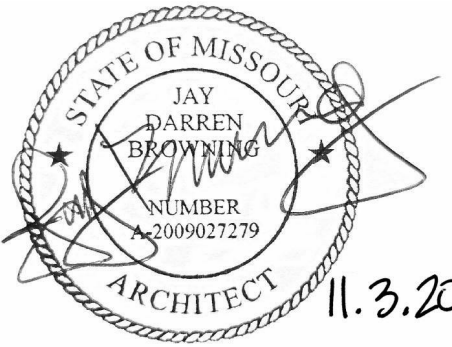
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Jay Darren Browning Date: 11/03/2020
Architect License No. A-2009027279

REVISIONS

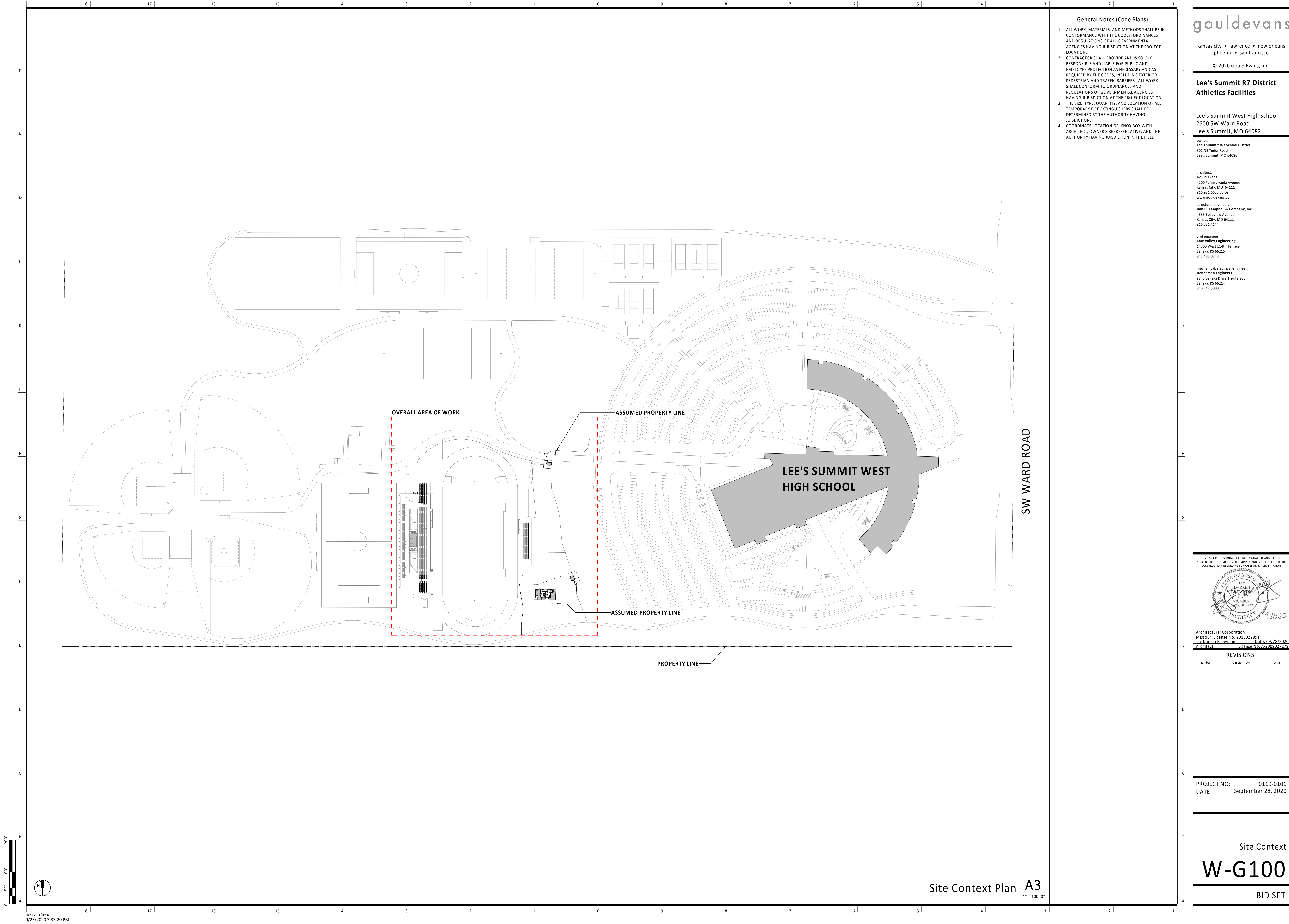
Number	DESCRIPTION	DATE
ADD02	ADDENDUM 02	10/30/2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

Index of Drawings &
General Project Notes

W-G001

BID SET



- General Notes (Code Plans):
1. ALL WORK, MATERIALS, AND METHODS SHALL BE IN CONFORMANCE WITH THE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION AT THE PROJECT LOCATION.
 2. CONTRACTOR SHALL PROVIDE AND IS SOLELY RESPONSIBLE AND LIABLE FOR PUBLIC AND EMPLOYEE PROTECTION AS NECESSARY AND AS REQUIRED BY THE CODES, INCLUDING EXTERIOR PEDESTRIAN AND TRAFFIC BARRIERS. ALL WORK SHALL CONFORM TO ORDINANCES AND REGULATIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION AT THE PROJECT LOCATION.
 3. THE SIZE, TYPE, QUANTITY, AND LOCATION OF ALL TEMPORARY FIRE EXTINGUISHERS SHALL BE DETERMINED BY THE AUTHORITY HAVING JURISDICTION.
 4. COORDINATE LOCATION OF KNOX BOX WITH ARCHITECT, OWNER'S REPRESENTATIVE, AND THE AUTHORITY HAVING JURISDICTION IN THE FIELD.

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**Lee's Summit R7 District
Athletics Facilities**

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

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Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

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REVISIONS

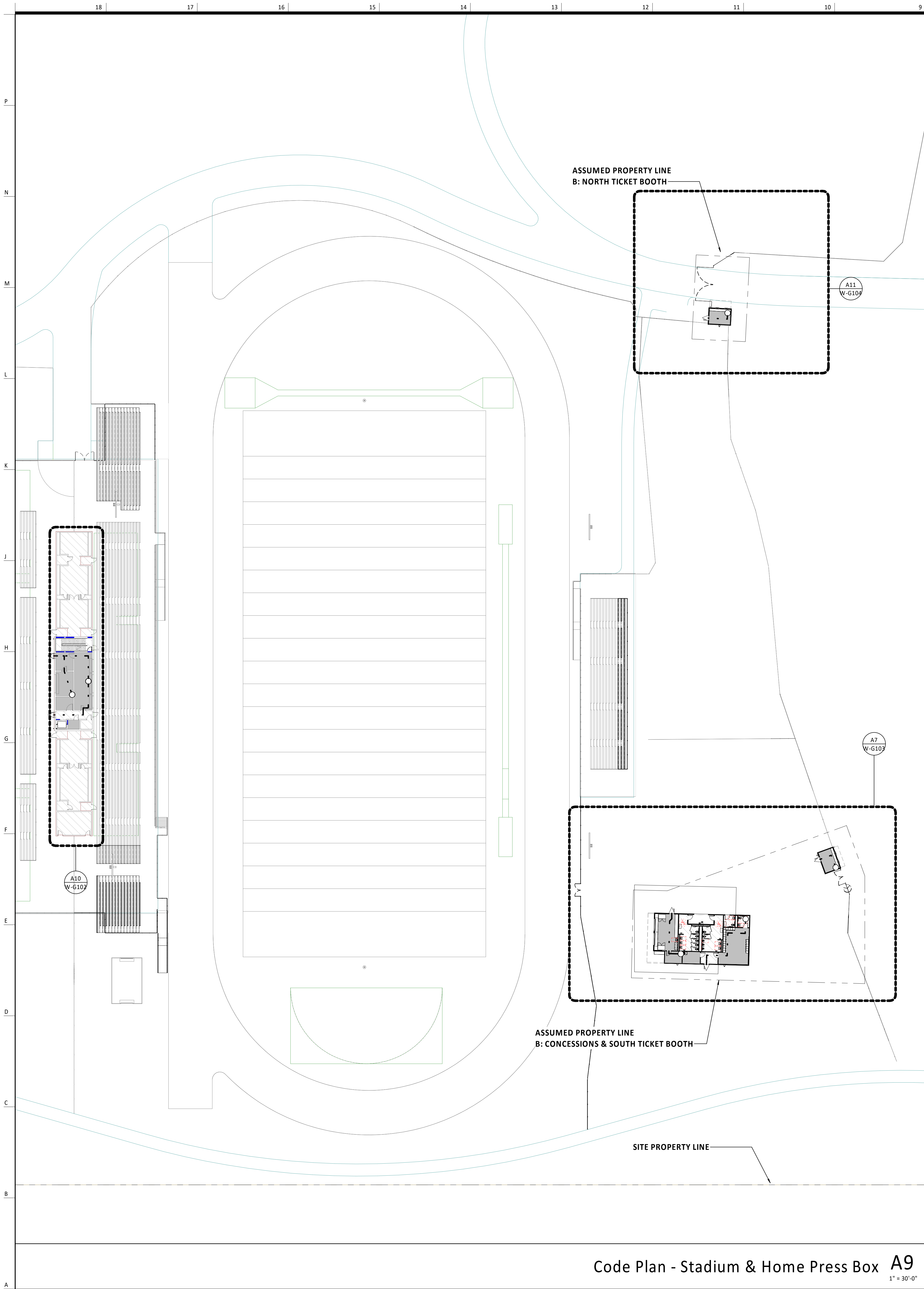
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PROJECT NO: 0119-0101
DATE: September 28, 2020

Site Context

W-G100

BID SET



PLUMBING FIXTURE COUNT:						
(BASED ON APPROVAL FROM CITY OF LEE'S SUMMIT)						
	MEN		WOMEN		FAMILY/ UNISEX	
	WC:	LAV:	WC:	LAV:	WC:	LAV:
EXISTING FIXTURES	14	8	24	8	1	1
NEW FIXTURES:	5	2	5	3	2	2
TOTAL FIXTURES PROVIDED:	19	10	29	11	3	3
TOTAL ACCESSIBLE FIXTURES:	3	3	3	3	3	2

Description
RENOVATION TO EXISTING OUTDOOR STADIUM FACILITIES WHICH WILL INCLUDE EXPANSION OF EXISTING PRESS BOX, CONSTRUCTION OF NEW RESTROOMS, CONCESSIONS, AND TICKET BOOTHS; AND CONSTRUCTION OF NEW BLEACHER SEATING.
Applicable Codes
2018 International Building Code 2018 International Existing Building Code 2018 International Fire Code 2017 National Electric Code 2018 International Mechanical Code 2018 International Plumbing Code 2018 International Energy Conservation Code 2009 Accessible and Usable Buildings and Facilities
Building complies with all applicable codes.

Occupancy Classifications
THE PROJECT SITE CONTAINS (3) ASSUMED PROPERTIES: EACH WITH A SINGLE USE OCCUPANCY IN EXISTING AND RENOVATED AREAS:
A-5: OUTDOOR STADIUM & PRESS BOX (SECTION 303) B: CONCESSIONS & SOUTH TICKET BOOTH (SECTION 304) B: NORTH TICKET BOOTH (SECTION 304)

Type of Construction
TYPE II-B (SECTION 602)
Allowable Height
NON-SPRINKLED SPRINKLED HEIGHT STORIES HEIGHT STORIES A-5: 55' 3 75' 4 B: 55' 3 75' 4

Building Height
PRESS BOX + ADDITION: 3 STORIES - APX 47' CONCESSIONS/LOCKER ROOM: 1 STORY - APX 15' NORTH TICKET BOOTH: 1 STORY - APX 13' SOUTH TICKET BOOTH: 1 STORY - APX 13'

Allowable Area
NON-SPRINKLED (NS) SPRINKLED (S1) SPRINKLED (SM) A-5: UL 23,000 SF UL 92,000 SF UL 69,000 SF B: 23,000 SF 92,000 SF 69,000 SF

Building Area
PRESS BOX: EXISTING BUILDING AREA: 6,000 SF NEW CONSTRUCTION BUILDING AREA: 1,500 SF TOTAL BUILDING AREA: 7,500 SF CONCESSIONS/LOCKER BUILDING AREA: 1,785 SF NORTH TICKET BOOTH BUILDING AREA: 140 SF SOUTH TICKET BOOTH BUILDING AREA: 140 SF

Passive Fire Requirements
EXTERIOR BEARING WALLS: 0 HR (TABLE 601) INTERIOR BEARING WALLS: 0 HR (TABLE 601) EXTERIOR NON-BEARING WALLS: 0 HR (TABLE 602) OPENING PROTECTION AT EXT. WALL: 0 HR (TABLE 601) STRUCTURAL FRAME: 0 HR (TABLE 601) ROOF SUPPORTS: 0 HR (TABLE 601) NON-BEARING WALLS & INTERIOR PARTITIONS: 0 HR (TABLE 601) CORRIDORS: 0 HR (TABLE 1020.1) FLOOR CONSTRUCTION: 0 HR (TABLE 601)

Active Fire Resistance Requirements
AUTOMATIC SPRINKLER SYSTEM: NOT REQUIRED (SECTION 905) STANDPIPES: NOT REQUIRED (SECTION 905) FIRE ALARM SYSTEM: NOT REQ'D. DUE TO OCCUPANT LOAD (SECTION 907.2.1) SMOKE DETECTION: NOT REQUIRED EXIT SIGNS: REQUIRED NOT REQUIRED IN ROOMS THAT REQUIRE THE WALKING SURFACE (SECTION 1008.2.1) EMERGENCY LIGHTING: MINIMUM OF 1 FOOTCANDLE AT THE WALKING SURFACE (SECTION 1008.2.1) PORTABLE FIRE EXTINGUISHERS: REQUIRED (SECTION 906.1)

Means of Egress
COMMON PATH OF EGRESS TRAVEL: COMMON PATH OF EGRESS TRAVEL SHOULD NOT EXCEED 75 FEET FOR USE GROUP A IN NON-SPRINKLED BUILDINGS (IBC TABLE 1006.2.1). THE MAXIMUM OCCUPANT LOAD OF SPACE IS 49. TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1 (IBC SECTION 1006.2.1) DEAD END CORRIDORS: DEAD END CORRIDORS SHOULD NOT EXCEED 20 FEET IN LENGTH FOR USE GROUP A (IBC SECTION 1020.4). DEAD END CORRIDORS IN AN EXISTING CONDITION SHOULD NOT EXCEED 35' (IEBC SECTION 805.6) TRAVEL DISTANCE: THE MAXIMUM TRAVEL DISTANCE TO AN EXIT SHOULD NOT EXCEED 200 FEET FOR USE GROUP A OCCUPANCIES (IBC TABLE 1017.2) DOOR SWING: DOOR SWING IS REQUIRED TO SWING IN THE DIRECTION OF TRAVEL WHEN THE OCCUPANT LOAD IS MORE THAN 50 (IBC SECTION 1010.1.2.1)

General Notes (Code Plans):
1. ALL WORK, MATERIALS, AND METHODS SHALL BE IN CONFORMANCE WITH THE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNMENTAL AGENCIES HAVING JURISDICTION AT THE PROJECT LOCATION. 2. CONTRACTOR SHALL PROVIDE AND IS SOLELY RESPONSIBLE AND LIABLE FOR PUBLIC AND EMPLOYEE PROTECTION AS NECESSARY AND AS REQUIRED BY THE CODES, INCLUDING EXTERIOR PEDESTRIAN AND TRAFFIC BARRIERS. ALL WORK SHALL CONFORM TO ORDINANCES AND REGULATIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION AT THE PROJECT LOCATION. 3. THE SIZE, TYPE, QUANTITY, AND LOCATION OF ALL TEMPORARY FIRE EXTINGUISHERS SHALL BE DETERMINED BY THE AUTHORITY HAVING JUISDICTION. 4. COORDINATE LOCATION OF KNOX BOX WITH ARCHITECT, OWNER'S REPRESENTATIVE, AND THE AUTHORITY HAVING JUISDICTION IN THE FIELD.

Code Plan Legend:
Egress Path of Travel Path # RE Schedule Common Path of Travel, RE Schedule Travel Distance to Exit, RE Schedule Egress Point Clear Width Provided Maximum # of Occupants (by width) Required # of Occupants Stair Egress Clear Width Provided Maximum # of Occupants (by width) Required # of Occupants Occupancy Tag Occupancy Group Area Occupant Load Fire Extinguisher Radius 75' Typ 1-Hour: Fire Rated Assembly 2-Hour: Fire Rated Assembly 3-Hour: Fire Rated Assembly 4-Hour: Fire Rated Assembly Smoke Barrier Smoke Partition

Path of Egress Schedule	
Mark	Path of Egress
Path 1.01	32' - 9 11/16"
Path 1.02	39' - 4 5/8"
Path 1.03	44' - 3 3/8"
Path 1.04	34' - 11 1/4"
Path 1.05	55' - 7 5/8"
Path 1.06	16' - 5 3/16"
Path 1.07	16' - 6"
Path 2.01	38' - 4 3/4"
Path 2.02	44' - 4 3/4"
Path 3.01	56' - 1 1/2"

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phoenix • san francisco

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**Lee's Summit R7 District
Athletics Facilities**

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.goulddevans.com

structural engineer:
Bob D. Campbell & Company, Inc.
4338 Bellevue Avenue
Kansas City, MO 64111
816.331.4144

civil engineer:
Kaw Valley Engineering
14700 West 134th Terrace
Lenexa, KS 66215
913.485.0318

mechanical/electrical engineer:
Henderson Engineers
8345 Lenexa Drive | Suite 300
Lenexa, KS 66214
816.742.5000

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JAY DARREN BROWNING
ARCHITECT
009007279
9.28.20

Architectural Corporation
Missouri License No. 2018022991
Jay Darren Browning Date: 09/28/2020
Architect License No. A-2009027279

REVISIONS		
Number	DESCRIPTION	DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

**Code Summary -
Stadium & Home Press
Box**

W-G101

BID SET

Means of Egress

COMMON PATH OF EGRESS TRAVEL:

COMMON PATH OF EGRESS TRAVEL SHOULD NOT EXCEED 75 FEET FOR USE GROUP A IN NON-SPRINKLED BUILDINGS (IBC TABLE 1006.2.1). THE MAXIMUM COMMON PATH OF SPACE IS 40, TWO EXITS OR EXIT ACCESS, DOWNWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1 (IBC SECTION 1006.2.1).

DEAD END CORRIDORS:

DEAD END CORRIDORS SHOULD NOT EXCEED 20 FEET IN LENGTH FOR USE GROUP A (IBC SECTION 1020.2). DEAD END CORRIDORS IN AN EXISTING CONDITION SHOULD NOT EXCEED 35' (IBC SECTION 805.6).

TRAVEL DISTANCE:

THE MAXIMUM TRAVEL DISTANCE TO AN EXIT SHOULD NOT EXCEED 200 FEET FOR USE GROUP A OCCUPANCIES (IBC TABLE 1010.7.2).

DOOR SWING:

DOOR SWING IS REQUIRED TO SWING IN THE DIRECTION OF TRAVEL WHEN THE EXISTING DISTANCE IS MORE THAN 50' (IBC SECTION 1010.12.1).

Path of Egress Schedule	
Mark	Path of Egress
Path 1.01	32' - 9 11/16"
Path 1.02	39' - 4 5/8"
Path 1.03	44' - 3 3/8"
Path 1.04	34' - 11 1/4"
Path 1.05	55' - 7 5/8"
Path 1.06	16' - 5 3/16"
Path 1.07	16' - 6"
Path 2.01	59' - 8 1/2"
Path 3.01	58' - 3 1/8"

Path 1.01	32' - 9 11/16"
Path 1.02	39' - 4 5/8"
Path 1.03	44' - 3 3/8"
Path 1.04	34' - 11 1/4"
Path 1.05	55' - 7 5/8"
Path 1.06	16' - 5 3/16"
Path 1.07	16' - 6"
Path 2.01	59' - 8 1/2"
Path 3.01	58' - 3 1/8"

BID SET



OCCUPANT LOADS:		
(BASED ON 2016 IBC TABLE 1004.5)		
TICKETING	60 GROSS	
SOUTH TICKET BOOTH		
TICKETING: 140 SF	3 OCCUPANTS	
TOTAL: 3 OCCUPANTS		
Exiting Requirements		
EXIT WIDTHS, DOORS, RAMPS, ETC (NOT INCLUDING BLEACHERS):		
60 PEOPLE PER FOOT		(SECTION 1006.3.2)
0.2" PER OCCUPANT		
STAIRS (NOT INCLUDING BLEACHERS):		
40 PEOPLE PER FOOT		(SECTION 1006.3.1)
0.3" PER OCCUPANT		
TRAVEL DISTANCE:		
ALLOWED: 200' (NON-SPRINKLED)		(TABLE 1017.2)
ACTUAL: SEE CODE PLAN		
COMMON PATH OF TRAVEL:		
75' FOR A OCCUPANCY		(SECTION 1006.2.1)
NUMBER OF EXITS REQUIRED:		
ROOMS WITH OL 49 OR LESS: 1 EXIT		
ROOMS WITH OL 50-500: 2 EXITS		
ROOMS WITH OL 501-1,000: 3 EXITS		
ROOMS WITH OL 1,001 OR MORE: 4 EXITS		(TABLE 1006.2.1, SECTION 1006.2.1.1)
PANIC HARDWARE:		
NOT REQUIRED IN BUILDINGS		(SECTION 1010.1.10)
(DUE TO OCCUPANT LOADS)		
SOUTH TICKET BOOTH:		
REQUIRED EXIT WIDTH: 4 x 0.2" = 0.8"		
ACTUAL EXIT WIDTH: 34"		
TOTAL EGRESS CAPACITY: 170		
ACTUAL OCCUPANCY: 4		

Description									
RENOVATION TO EXISTING OUTDOOR STADIUM FACILITIES WHICH WILL INCLUDE EXPANSION OF EXISTING PRESS BOX, CONSTRUCTION OF NEW RESTROOMS, CONCESSIONS, AND TICKET BOOTHS; AND CONSTRUCTION OF NEW BLEACHER SEATING.									
Applicable Codes									
2018 International Building Code 2018 International Existing Building Code 2018 International Fire Code 2017 National Electric Code 2018 International Mechanical Code 2018 International Plumbing Code 2018 International Energy Conservation Code 2009 Accessible and Usable Buildings and Facilities									
Building complies with all applicable codes.									
Occupancy Classifications									
THE PROJECT SITE CONTAINS (3) ASSUMED PROPERTIES; EACH WITH A SINGLE USE OCCUPANCY IN EXISTING AND RENOVATED AREAS: B: NORTH TICKET BOOTH									
Type of Construction									
TYPE II-B									
Allowable Height									
<table><tr><th colspan="2">NON-SPRINKLED</th><th>SPRINKLED</th></tr><tr><th>HEIGHT</th><th>STORIES</th><th>HEIGHT</th></tr><tr><td>B: 55'</td><td>3</td><td>75'</td></tr></table>	NON-SPRINKLED		SPRINKLED	HEIGHT	STORIES	HEIGHT	B: 55'	3	75'
NON-SPRINKLED		SPRINKLED							
HEIGHT	STORIES	HEIGHT							
B: 55'	3	75'							
Building Height									
NORTH TICKET BOOTH: 1 STORY - APX 13'									

General Notes (Code Plans):
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Code Plan Legend:
Egress Path of Travel Path #: RE Schedule Common Path of Travel, RE Schedule Travel Distance to Exit, RE Schedule Egress Point Clear Width Provided Maximum # of Occupants (by width) Required # of Occupants Stair Egress Clear Width Provided Maximum # of Occupants (by width) Required # of Occupants Occupancy Tag Occupancy Group Area Occupant Load Fire Extinguisher Radius 75' Typ
1-Hour: Fire Rated Assembly 2-Hour: Fire Rated Assembly 3-Hour: Fire Rated Assembly 4-Hour: Fire Rated Assembly Smoke Barrier Smoke Partition

Path of Egress Schedule	
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Path 1.04	34' - 11 1/4"
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Path 1.07	16' - 6"
Path 2.01	59' - 8 1/2"
Path 3.01	58' - 3 1/8"

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**Lee's Summit R7 District
Athletics Facilities**

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
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Lee's Summit, MO 64086

architect:
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Kansas City, MO 64111
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structural engineer:
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4338 Bellevue Avenue
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civil engineer:
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14700 West 14th Terrace
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913.485.0318

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Architectural Corporation
Missouri License No. 2018022991
Jay Darren Browning
Architect License No. A-2009027279
Date: 09/28/2020

REVISIONS

Number	DESCRIPTION	DATE
--------	-------------	------

PROJECT NO: 0119-0101
DATE: September 28, 2020

**Code Summary - North
Ticket Booth**

W-G104

BID SET

P

N

M

L

K

J

H

G

F

E

D

C

B

A

System No. HW-D-0584

October 15, 2009

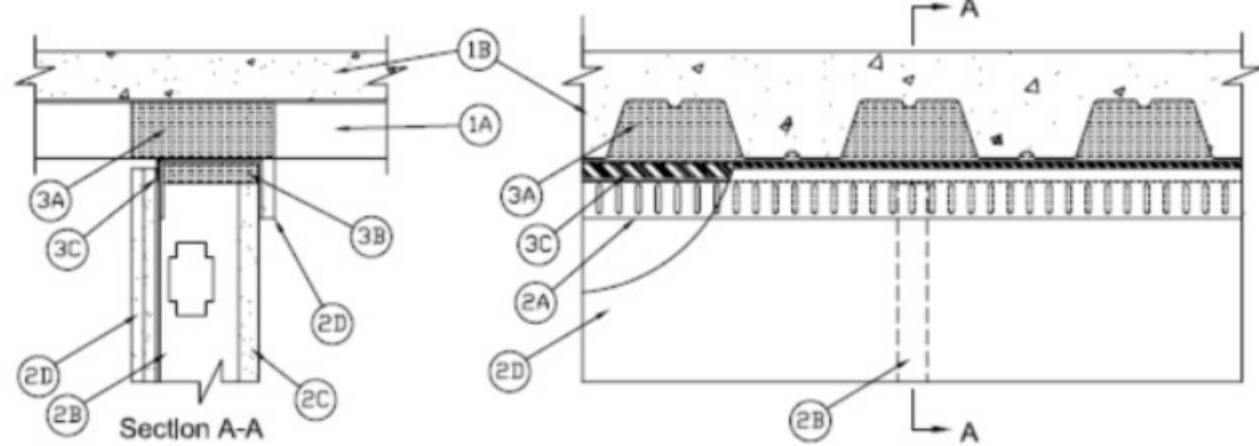
Assembly Rating — 2 Hr

L Rating at Ambient — 2.1 CFM/Lin Ft

L Rating at 400°F — 1.33 CFM/Lin Ft

Nominal Joint Width — 1-1/16 in.

Class II and III Movement Capabilities —94%Compression or 100% Extension



1. **Floor Assembly** — The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

- A. **Steel Floor and Form Units*** — Max 3 in. (76 mm) deep galv steel fluted floor units.
- B. **Concrete** — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.

1A. **Roof Assembly** — (Not Shown) — As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof shall be constructed of the materials and in the manner described in the individual P900-Series Roof-Ceiling designs in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:

- A. **Steel Roof Deck** — Max 3 in. deep galv steel fluted roof deck.
- B. **Roof Insulation** — Roof insulation to consist of min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the roof deck.

2. **Shaft Wall Assembly** — The 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

- A. **Steel Floor and Ceiling Runners** — Floor runner U-shaped, sized to accommodate steel studs (Item 2B), fabricated from 24 ga galv steel. Ceiling runner positioned with slotted leg toward finished side of wall. Runners attached to floor with steel fasteners located not greater than 2 in. from ends and not greater than 24 in OC. The ceiling runners are provided with a fill, void or cavity material and are described in Item 3.
- B. **Studs** — "C-T", "T", or "C-H" shaped steel studs to be min 2 1/2 in. (64 mm) wide and formed of min 24 ga galv steel. Studs cut 2-2 1/4 (51 to 57 mm) less in length than assembly height with bottom nesting in and secured to floor runner. Steel studs secured to slotted leg of ceiling runner on finished side with No. 8 by 1/2 (13 mm) long wafer head steel screws at mid-height of exposed slot. Studs spaced max 24 in. (610 mm) OC.
- C. **Gypsum Board*** — 5/8 in. (25 mm) thick by max 24 in. (610 mm) wide gypsum board liner panels. Panels cut 1-1/4 to 1-1/2 in. (32 to 38 mm) less in length than floor to ceiling height. Vertical edges inserted into "T" shaped section of "C-T" studs, into holding tabs of "T" studs or into "H" shaped section of "C-H" studs. A nominal 3/8 in. (102 mm) wide rip of gypsum board covering the leg of the ceiling runner attached a max of 3/8 in. (10 mm) below the track web and a max of 8 in. (203 mm) O.C. to ceiling runner on the non-finished side of wall.
- D. **Gypsum Board*** — Gypsum board 1/2 or 5/8 in. (13 or 16 mm) thick, applied on finished side of wall as specified in the individual Wall and Partition Design. The boards cut a max 1-1/4 to 1-1/2 in. (32 to 38 mm) less in length than the floor to ceiling height. The screws attaching the gypsum board layer(s) to the "C-T", "T", or "C-H" studs shall be located 4 to 5 in. (102 to 127 mm) down from deck at time of installation.

The hourly fire rating of the joint system is equal to the hourly fire rating of the wall.

3. **Joint System** — Max separation between bottom of floor and top of gypsum board (at time of installation) is 1-1/16in. (27 mm). The joint system is designed to accommodate a max 94 percent compression or 100 percent extension from its installed width.

- A. **Forming Material*** — Min 4 pcf (64 kg/m³) mineral wool insulation cut to the shape of the fluted steel floor units, approx 33% larger than the area of the flutes. Pieces should be compressed and inserted into the flutes above the top ceiling runner flush with the finished wall surface.
- B. **Forming Material*** — Min 2 in. thick min 4 pcf (64 kg/m³) mineral wool batt insulation cut to the width of the ceiling runner and compressed approximately 47 percent in thickness, installed into ceiling runner between leg of track and gypsum liner board.
- C. **Fill, Void or Cavity Material*** — Nom 20 ga U-shaped track having 3-1/4 in (83 mm) legs with a nom 2-1/2 in. (64 mm) wide insumnescent strip affixed to the top of the leg overlapping on to top surface a min of 1/4 in. (6 mm) facing the finished side of wall. Gypsum board to overlap a min of 1 in. (25 mm) over the insumnescent strip. Track to be secured to bottom side of floor assembly with min 2 in. (51 mm) steel fasteners spaced at a max of 24 in. (610 mm) OC.

CALIFORNIA EXPANDED METAL PRODUCTS CO — FAS SHAFT TRACK D/L2

*Bearing the UL Classification Mark

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U.L. #HW-D-0584 A9
NTS

System No. HW-D-0218
November 14, 2011
Assembly Rating — 1 and 2 Hr (See Item 1)
Nominal Joint Width - 1 In.
L Rating At Ambient — Less Than 1 CFM/Lin Ft
L Rating At 400°F — Less Than 1 CFM/Lin Ft
Class II Movement Capabilities - 25% Compression and Extension

1. **Floor Assembly** — The fire-rated fluted steel floor unit/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D700 or D900 Series Floor-Ceiling Design in the Fire Resistance Directory and shall include the following construction features:

- A. **Steel Floor and Form Units*** — Max 3 in. (76 mm) deep galv steel fluted floor units.
- B. **Concrete** — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.
- C. **Structural Steel Support (Optional)** — Steel beam or open-web steel joist, as specified in the individual D700 or D900 Series Floor-Ceiling Design, used to support steel floor units. Structural steel support oriented perpendicular to wall assembly.
- D. **Steel Lath** — Where open-web steel joists pass through the fire rated wall, 3/8 in. diamond mesh expanded steel lath having a nom weight of 1.7 to 3.4 lb per sq yd (0.9 to 1.8 kg/m²) shall be secured to one side of each joist with steel tie wire and the lath shall be fully covered with no min thickness requirement.
- E. **Spray-Applied Fire Resistive Material*** — After the installation of the ceiling runner, (Item 2A, 2A1 or 2A2) steel floor units to be sprayed with the thickness of material specified in the individual D700 Series Design or the structural steel supports to be sprayed in accordance with the specifications in the individual D900 Series Design. Material is to be excluded from the steel floor units, directly above the gypsum board and from the flanges of the ceiling runners.

W R GRACE & CO CONSTRUCTION
PRODUCTS DIV — Type MK-6/HY
ISOLATEK INTERNATIONAL — Type 300

2. **Wall Assembly*** — The 1 or 2 h fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

- A. **Steel Floor and Ceiling Runners** — Floor and ceiling runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs (Item 2B). Flange height of ceiling runner shall be min 1/4 in. (6 mm) greater than max extended joint width. Ceiling runner centered beneath and parallel with valley of steel floor units (Item 1A). Ceiling runner secured to steel floor units with masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC. A clearance of 1-1/2 in. (38 mm) shall be maintained between the ceiling runner and the spray-applied fire resistive material on the structural steel support members.
- A1. **Light Gauge Framing*-Slotted Ceiling Runner** — As an alternate to the ceiling runner in Item 2A, slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Slotted ceiling runner installed parallel to direction of fluted steel deck, centered beneath valley, prior to the application of spray-applied fire resistive material, and secured with steel masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC.

BRADY CONSTRUCTION INNOVATIONS INC,
DBA SLIPTRACK SYSTEMS — SLP-TRK
CALIFORNIA EXPANDED METAL PRODUCTS CO — CST
CLARKDIETRICH BUILDING SYSTEMS — Type SLT, SLT-H
MARINO/WARE, DIV OF WARE INDUSTRIES
INC — Type SLT
SCAFCO STEEL STUD MANUFACTURING CO
TELLING INDUSTRIES L L C — True-Action Deflection Track
THE STEEL NETWORK INC — VertiTrack VT, series,250VT, 362VT, 400VT, 600VT and 800VT

A2. **Light Gauge Framing*-Vertical Deflection Ceiling Runner** — As an alternate to the ceiling runners in Item 2A and 2A1, vertical deflection ceiling runner to consist of galv steel channel with slotted vertical deflection clips mechanically fastened within runner. Slotted clips, provided with step bushings, for permanent fastening of steel studs. Flanges sized to accommodate steel studs (Item 2B). Vertical deflection ceiling runner installed parallel to direction of fluted steel deck, centered beneath valley, prior to the application of spray-applied fire resistive material, and secured with steel masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC.

THE STEEL NETWORK INC VertiTrack VTD362, VTD400, VTD600 and VTD800

A3. **Light Gauge Framing*-Notched Ceiling Runner** — As an alternate to the ceiling runners in Items 2A through 2A3, ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Flange height of slotted ceiling runner shall be 3-1/4 in. (83 mm) with 2 in. (51 mm) deep slots. Slotted ceiling runner installed parallel to direction of fluted steel deck, centered beneath valley, prior to the application of spray-applied fire resistive material, and secured with steel masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC.

OLMAR SUPPLY INC — Type SCR

A4. **Light Gauge Framing* — Slotted Ceiling Runner** — As an alternate to the ceiling runner in Item 2A through 2A3, ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2B). Flange height of slotted ceiling runner shall be 3-1/4 in. (83 mm) with 2 in. (51 mm) deep slots. Slotted ceiling runner installed parallel to direction of fluted steel deck, centered beneath valley, prior to the application of spray-applied fire resistive material, and secured with steel masonry anchors, steel fasteners or welds spaced max 24 in. (610 mm) OC.

SCAFCO STEEL STUD MANUFACTURING CO — Slotted Track-Type SLDT

- B. **Studs** — Steel studs to be min 3-5/8 in. (92 mm) wide. Studs cut 1/2 in.1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in, resting on and fastened to the floor runner and with top nesting in ceiling runner without attachment. When slotted ceiling runner (Item 2A1) is used, steel studs secured to slotted ceiling runner with No. 8 by 1/2 in. (13 mm) long wafer head steel screws at midheight of slot on each side of wall. When vertical deflection runner (Item 2A2) is used, studs secured to vertical clip through slip bushing, supplied, with No.8 by 1/2 in. (13 mm) steel screws at midheight of slot of each slot. When slotted ceiling runner (Item 2A4) is used, steel studs cut in lengths 3/4 to 1-3/4 in. (19 to 44 mm) less than floor to ceiling height and secured to slotted ceiling runner with No. 8 by 1/2 (13 mm) long wafer head steel screws at +/- 3/16 in. (5 mm) of the mid-height of slot on each side of wall. A framed opening shall be constructed around each steel structural member A min clearance of 1 in. (25 mm) to a max of 4 in. (102 mm) shall be maintained between the framing and the spray-applied fire resistive material on the two sides of the structural support. The clearance between the framing and the spray-applied fire resistive material on the bottom of the structural steel support shall be max 2 in. (51 mm). Stud spacing not to exceed 24 in. (610 mm) OC.

C. **Gypsum Board*** — 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum board type, number of layers and sheet orientation shall be as specified in the individual U400 or V400 Series Design in the Fire Resistance Directory, except that a max 1 in. (25 mm) gap shall be maintained between top of gypsum board and bottom plane of steel floor units and between the top edge of the gypsum board and the spray applied fire resistive material on the structural steel support. The top row of screws shall be installed into the studs 1 in. (25 mm) below the bottom of the ceiling runner.

3. **Joint System** — Max separation between bottom of floor units and top of gypsum board at time of installation is 1 in. (25 mm). Max separation between spray-applied fire resistive material on bottom of structural opening in top of wall is 2 in. (51 mm). The joint system is designed to accommodate a max 25 percent compression or extension from its installed width. The joint system consists of a forming material and a fill material between the top of the gypsum board and the bottom of the floor, as follows

- A. **Forming Material*** — Nominal 4 in. (102 mm) thick pieces of nominal 4 pcf (64 kg/m³) forming material, sized to be flush with both surfaces of wall, placed to fully fill the framed opening around the structural steel support. Pieces sized to attain a min compression rate of 50 percent in the thickness direction. Additional mineral wool batt insulation cut into strips to fill the gap between top of the gypsum board and bottom of floor units. Width of the strips shall be equal to the total thickness of the gypsum board. The strips of mineral wool shall be compressed 50 percent in thickness and firmly packed into the gap between the top of gypsum board and bottom of floor units.

ROCK WOOL MANUFACTURING CO — Delta Board

ROXUL INC — SAFE
THERMAFIBER INC — Type SAF

B. **Fill, Void or Cavity Material*** — Sealant — A min 1/16 in. (1.6 mm) dry thickness (min 1/8 in. or 3.2 mm wet thickness) of fill material sprayed or troweled on each side of wall to completely cover mineral wool forming material and to overlap min 1/2 in. (13 mm) onto gypsum board and min 2 in. (51 mm) onto the steel floor units or the spray applied material on the steel floor unit and on the structural support member on both sides of wall.

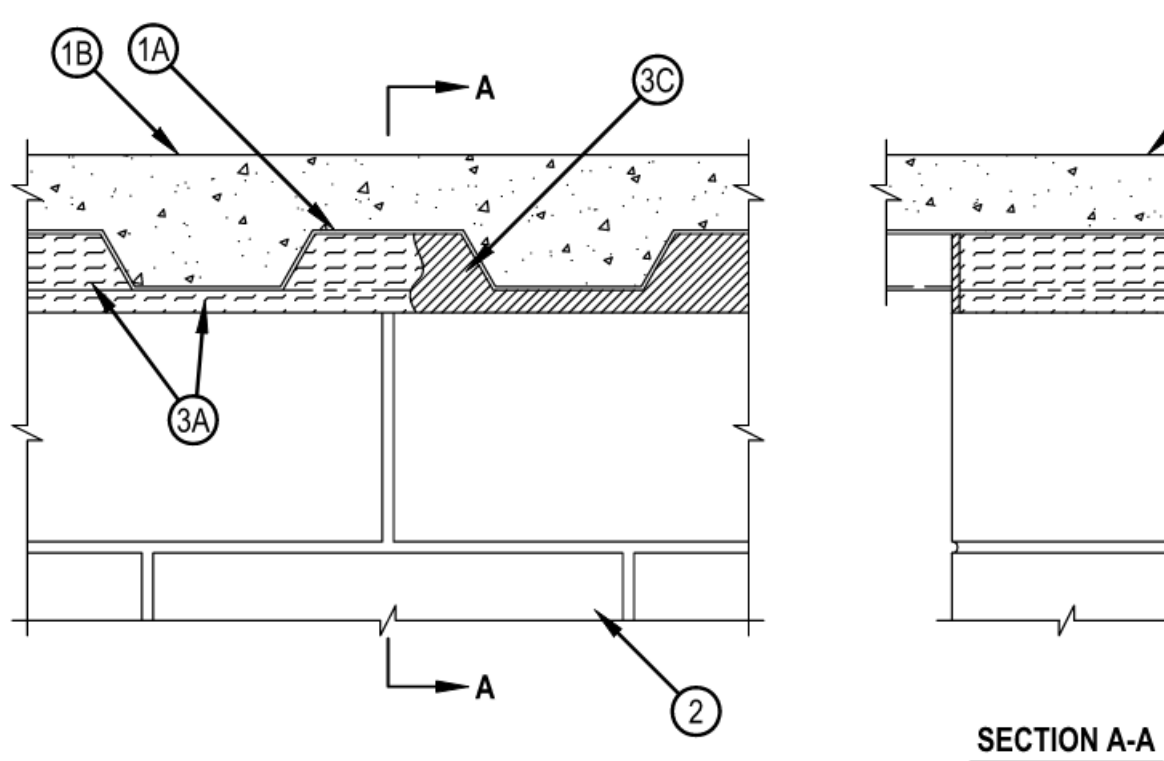
HLITI CONSTRUCTION CHEMICALS, DIV OF

HLITI INC — CP672 Firestop Spray or CFS-SP WB Firestop Joint Spray

earing the UL Classification Mark

U.L. #HW-D-0218 A5
NTS

System No. HW-D-0155
Assembly Rating — 2 Hr
Nominal Joint Width—3/4 In.
L Rating At Ambient — Less Than 1 CFM/Lin Ft
L Rating At 400°F — Less Than 1 CFM/Lin Ft
Class II Movement Capabilities—17% Compression Or Extension



SECTION A-A

1. **Floor Assembly** — The fire-rated fluted steel floor unit/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D900 Floor-Ceiling Design in the Fire Resistance Directory and shall include the following construction features:

- A. **Steel Floor and Form Units*** — Max 2 in. (51 mm) deep galv steel fluted floor units.
- B. **Concrete** — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the floor units.
- 1A. **Roof Assembly** — (Not Shown) — As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof assembly shall be constructed of the materials and in the manner described in the individual P900 Series Roof-Ceiling Design in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features:
 - A. **Steel Roof Deck** — Max 3 in. (76 mm) deep galv steel fluted roof deck.
 - B. **Roof Insulation** — Min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the floor units.
- 2. **Wall Assembly** — Min 5 in. (127 mm) thick steel reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of an UL Classified Concrete Blocks*.
- See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufactures.
- 3. **Joint System** — Max separation between bottom of floor or roof and top of wall is 3/4 in. (19 mm). The joint system is designed to accommodate a max 17 percent compression or extension from its installed width. The joint system consists of a forming material and a fill material between the top of the wall and the bottom of the floor or roof, as follows:
 - A. **Forming Material*** — Nom 4 pcf (64 kg/m³) densely mineral wool batt insulation cut approx 20 percent wider than the flutes, with a length approx equal to the overall thickness of the wall. Pieces stacked as needed and then compressed 20 percent in thickness and inserted into the flutes of the steel deck. The mineral wool batt insulation shall be recessed 1/4 in. (6 mm) from wall surfaces. Additional nom 4 pcf (64 kg/m³) mineral wool batt insulation shall be cut into strips to fill the gap between the top of the wall and bottom of the steel deck. The width of the strips shall be equal to the total thickness of the wall less 1/2 in. The strips of mineral wool are compressed 50 percent in thickness and firmly packed into the gap between the top of the wall and bottom of the steel deck, recessed 1/4 in. (6 mm) from wall surfaces.
 - FIBREX INSULATIONS INC — FBX Safing Insulation

A1. **Forming Material*** — Plugs — (Optional-Not Shown) Performed mineral wool plugs, formed to the shape of the fluted floor units, friction fit to completely fill the flutes. The plugs shall be recessed 1/4 in. (6 mm) from both wall surfaces. Additional forming material, described in Item 3A, to be used in conjunction with the plugs to fill the gap between the top of the wall and bottom of steel floor units.

HLITI CONSTRUCTION CHEMICALS, DIV OF HLITI INC — CP777 Speed Plugs

B. **Fill, Void or Cavity Material*** — Sealant — Min 1/4 in. (6 mm) thickness of fill material installed on each side of the wall in the flutes of the steel deck between the top of the wall and the bottom of the steel deck. Flush with each surface of the wall.
HLITI CONSTRUCTION CHEMICALS, DIV OF HLITI INC — CP606 Flexible Firestop Sealant
*Bearing the UL Classification Mark

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phoenix • san francisco

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Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

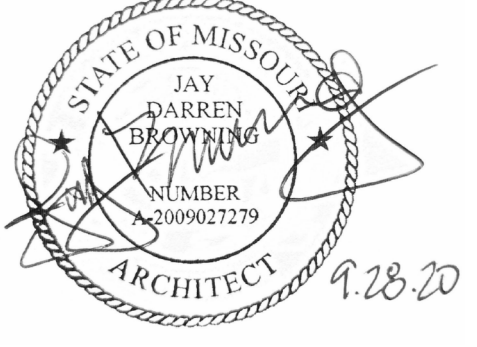
architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.goulddevans.com

structural engineer:
Bob D. Campbell & Company, Inc.
4338 Bellevue Avenue
Kansas City, MO 64111
816.331.4144

civil engineer:
Kaw Valley Engineering
14700 West 140th Terrace
Lenexa, KS 66215
913.485.0318

mechanical/electrical engineer:
Henderson Engineers
8345 Lenexa Drive | Suite 300
Lenexa, KS 66214
816.742.5000

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AFFIXED, THIS DOCUMENT IS PRELIMINARY AND IS NOT INTENDED FOR
CONSTRUCTION, RECORDING PURPOSES OR IMPLEMENTATION



Architectural Corporation
Missouri License No. 2018022991 Date: 09/28/2020
Jay Darren Browning
Architect License No. A-2009027279

REVISIONS

Number DESCRIPTION DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

Fire Rated Assemblies

W-G201

BID SET

U.L. #HW-D-0155 A1
NTS

SITE DATA:

PROJECT AREA/AREA OF DISTURBANCE
TOTAL: 43,000 SF (0.99 AC.)

IMPERVIOUS COVERAGE WITHIN PROJECT AREA

EXISTING: 7,150 S.F. - 0.16 AC.
PROPOSED: 15,100 S.F. - 0.35 AC.
INCREASE: 7,950 S.F. - 0.19 AC.

STORMWATER MANAGEMENT:

NO ADDITIONAL STORM WATER MANAGEMENT CONTROLS ARE PROPOSED AS PART OF THIS PROJECT.

WARRANTY / DISCLAIMER

THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER KAW VALLEY ENGINEERING, INC NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE KAW VALLEY ENGINEERING PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

CAUTION - NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. **THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.**

LEE'S SUMMIT WEST HIGH SCHOOL

SITE PLAN

2600 SW WARD ROAD, LEE'S SUMMIT, MO 64082
SECTION 8 - TOWNSHIP 47 N - RANGE 31 W

PREPARED FOR:

LEE'S SUMMIT SCHOOL DISTRICT
302 SE TRANSPORT RD.
LEE'S SUMMIT, MO 64081
PHONE: (816) 986-2421
CONTACT: KYLE GORRELL
EMAIL: kyle.gorrell@sr7.net

PREPARED BY:

KAW VALLEY ENGINEERING, INC.
14700 W 114TH TERR.
LENEXA, KANSAS 66215
PHONE: (913) 894-5150
CONTACT: DAVID WOOD
EMAIL: wood@kveng.com

LEGEND:

UNDERGROUND GAS	CONIFEROUS TREE
GAS METER	TREE LINE
CONTROL POINT	HDPPE HIGH DENSITY POLYETHYLENE
BENCHMARK	GAS VALVE
GATE POST	GAS RISER
CHAIN LINK FENCE	GAS LINE SIGN
STREET/TRAFFIC SIGN	DE DOOR ELEVATION
UNDERGROUND FIBER OPTIC CABLE	AT THRESHOLD
UNDERGROUND FIBER OPTIC (FROM RECORDS)	FF FINISH FLOOR ELEVATION
TELEPHONE PEDESTAL	BHE BUILDING HEIGHT/ELEVATION
SANITARY SEWER MANHOLE	B/B BACK TO BACK OF CURB MEASUREMENT
STORM SEWER MANHOLE	E/E EDGE TO EDGE OF ASPHALT
AREA INLET	W WATER LINE
CURB INLET	W WATER METER
DOWN SPOUT	W WATER LINE GATE VALVE
FLARED END SECTION	BUSH
SANITARY SEWER LINE	DECIDUOUS TREE
STORM SEWER LINE	CONCRETE
CORRUGATED METAL PIPE	CONC
REINFORCED CONCRETE PIPE	FLAG POLE
UNDERGROUND ELECTRIC	ELECTRIC METER
OVERHEAD UTILITY LINE (# OF LINES)	UNDERGROUND ELECTRIC PEDESTAL
PULL BOX	UNDERGROUND GAS PER RECORD
LIGHT POLE	SANITARY SEWER LINE PER RECORD
UTILITY POLE	STORM SEWER LINE PER RECORD
UTILITY POLE W/ LIGHT	ASPHALT PAVEMENT (040)
UTILITY POLE W/ TRANSFORMER	CONCRETE SIDEWALK (055)
WATER LINE PER RECORD	TURF
UNDERGROUND ELECTRIC PER RECORD	L LANDING
ASPHALT EDGE TREATMENT	R RAMP
SEE SECTION THIS SHEET.	LIMITS OF DISTURBANCE
	RED FIRE LANE STRIPING

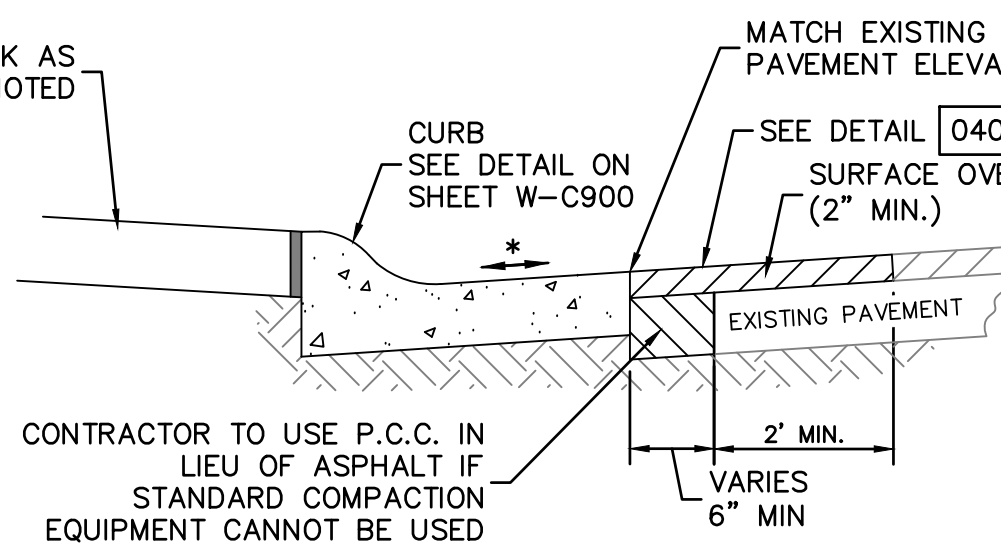
NOTES:

- WESTERN EXTENTS OF GRAVEL SURFACE TO ADJUT UTILITY VAULT.
- DISTURBED AREA SHALL BE FERTILIZED, MULCHED AND SEEDED WITH A THREE WAY BLEND OF TALL TURF TYPE FESCUE. (REFER TO SEEDING REQUIREMENTS ON SHEET W-C900.) ALL SEEDING AREAS WITHIN 10' OF SIDEWALKS AND BUILDING, WITHIN 5' OF STORM OUTFALLS AND ON SLOPES STEEPER THAN 4:1 SHALL BE PROTECTED WITH A TYPE 2 EROSION CONTROL BLANKET (NORTH AMERICAN GREEN 575BN OR APPROVED EQUAL).
- CONCRETE STOOP (REFERENCE STRUCTURAL PLANS.)
- SIDEWALK RAMP. (REFERENCE ARCHITECTURAL PLANS FOR FINAL LAYOUT AND DIMENSIONS.)
- PROPOSED FENCING. (REFERENCE ARCHITECTURAL PLANS FOR HEIGHTS, MATERIALS AND DETAILS.)
- RELOCATED TURNSTILE (REFERENCE ARCHITECTURAL PLANS FOR DETAILS.)
- PARKING LOT STRIPING (MATCH EXISTING COLOR. SEE SPECIFICATIONS ON SHEET W-C905)
- PAINT CURB RED TO DENOTE FIRE LANE. CONFIRM LIMITS WITH FIRE DEPARTMENT. (SEE SPECIFICATIONS ON SHEET W-C905)
- SITE SIGNAGE. MOUNT EDGE OF SIGN 2' FROM BACK OF CURB AT 7'-0" IN ACCORDANCE WITH MUTCD.
- ACCESS GATE (REFERENCE ARCHITECTURAL PLANS FOR HEIGHTS, MATERIALS AND DETAILS.)
- CAST IN PLACE CONCRETE WALL (REFER TO STRUCTURAL PLANS.)
- PROPOSED OR MODIFIED STORM SEWER STRUCTURE (SEE SHEET W-C500.)
- SANITARY SEWER STRUCTURE (SEE SHEET W-C500.)
- WATER STRUCTURE (SEE SHEET W-C500.)
- PROPOSED TRANSFORMER ON HOUSEKEEPING PAD/ELECTRICAL APPURTENANCE. COORDINATE WITH MEP PLANS.

DETAILS - SEE DETAIL SHEET W-C900 AND W-C905 FOR THE FOLLOWING DETAILS

- CONCRETE CURB & GUTTER
- ZERO HEIGHT CURB & GUTTER
- INTEGRAL SIDEWALK & CURB
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- AGGREGATE SURFACE
- CONCRETE SIDEWALK
- ADA STRIPING
- ADA SIGNAGE

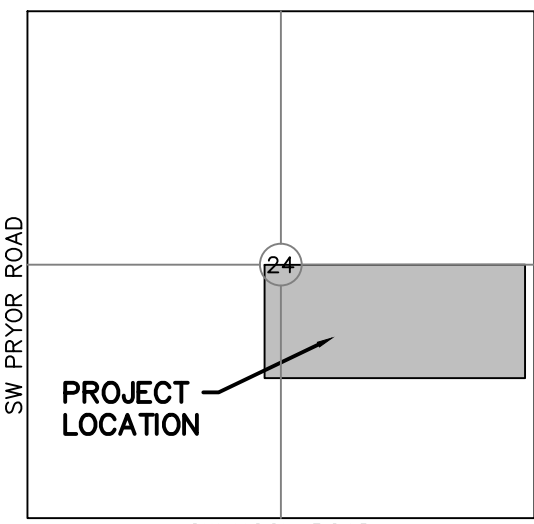
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRANCE, SLOPED PAVING, EXIT PORCHES, RAMPS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
- THESE PLANS HAVE NOT BEEN VERIFIED WITH FINAL ARCHITECTURAL CONTRACT DRAWINGS. CONTRACTOR SHALL VERIFY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR IS FULLY RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND CONTRACTOR DOCUMENTS.



MILL AND OVERLAY DETAIL



Know what's below.
Call before you dig.



VICINITY MAP

SEC 24 T47N R31W
NOT TO SCALE

HORIZONTAL AND VERTICAL DATUM:

UNLESS OTHERWISE NOTED THE COORDINATES SHOWN HEREON ARE GROUND COORDINATES BASED ON THE MISSOURI STATE PLANE (1983) WEST ZONE (NAD 1983) (NAVD 1988).

CAF: 0.9998974
1 METER = 3.28083333 U.S. SURVEY FEET
SCALED AROUND 0.0

JA-142 (PID: 0951422)
NORTHING: 502106.953 (METERS) (GRID)
EASTING: 858960.056 (METERS) (GRID)
ELEVATION: 318.0 (METERS)

PROJECT CONTROL:

CP #210
1/2" REBAR WITH CONTROL POINT
CAP
NORTHING: 985115.46 (GROUND)
EASTING: 281663.16 (GROUND)
ELEV = 1018.30

CP #211
1/2" REBAR WITH CONTROL POINT
CAP
NORTHING: 985115.99 (GROUND)
EASTING: 281668.61 (GROUND)
ELEV = 1015.74

CP #212
1/2" REBAR WITH CONTROL POINT
CAP
NORTHING: 985543.18 (GROUND)
EASTING: 2186501.13 (GROUND)
ELEV = 1005.49

SITE BENCHMARKS:

BM-1
CHISELED SQUARE 3 1/4" EAST
OF EAST WATER FOUNTAIN.
PROJECT CISS8608.
ELEV = 1015.33

BM-3
SET CUT SQUARE AT SW
CORNER OF CURB INLET, NW
CORNER OF SW MOST PARKING
LOT.
ELEV = 1018.13

BM-4
SET CUT SQUARE AT CORNER
OF CONC. WALK, 25' WEST
OF TURNSTILE TO ATHLETIC
FIELD.
ELEV = 1007.85

UNDERGROUND UTILITY STATEMENT:

THE UNDERGROUND UTILITIES SHOWN HEREON ARE DEPICTED FROM FIELD SURVEY INFORMATION OF ONE-CALL LOCATED UTILITIES AND/OR THE SCALING AND PLOTTING OF EXISTING UTILITY MAPS AND DRAWINGS MADE AVAILABLE TO THE SURVEYOR AT THE TIME OF SURVEY. THE SURVEYOR DOES NOT CERTIFY THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL UNDERGROUND UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHERMORE, THE SURVEYOR DOES NOT CERTIFY THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION DEPICTED ALTHOUGH HE DOES CERTIFY THAT THEY ARE DEPICTED AS ACCURATELY AS POSSIBLE FROM INFORMATION MADE AVAILABLE TO THE SURVEYOR AT THE TIME OF SURVEY. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES SHOWN HEREON BY EXCAVATION UNLESS OTHERWISE NOTED ON THIS SURVEY. MISSOURI ONE CALL TICKET NUMBER: #200431409, 200431440, 200431475, 200440745. THE FIELD WORK WAS COMPLETED ON AUGUST 18, 2020. DATE OF SURVEY: AUGUST 24, 2020

CONSTRUCTION NOTES:

- COORDINATE START-UP AND ALL CONSTRUCTION ACTIVITIES WITH THE ARCHITECT.
- CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS ARE TO MEET OR EXCEED THE KANSAS CITY METROPOLITAN CHAPTER OF APWA STANDARD SPECIFICATIONS AS ADOPTED AND AMENDED BY THE CITY OF LEE'S SUMMIT.
- ALL CONSTRUCTION WORK AND UTILITY WORK OUTSIDE OF PROPERTY BOUNDARIES SHALL BE PERFORMED IN COOPERATION WITH AND IN ACCORDANCE WITH THE REGULATIONS OF THE AUTHORITIES CONCERNED.
- PUBLIC CONVENIENCE AND SAFETY: THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL INSURE, AS FAR AS PRACTICABLE, THE LEAST DISRUPTION TO TRAFFIC, AND SHALL PROVIDE FOR THE CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC, ALONG AND ADJACENT TO CONSTRUCTION AREA.
- CONTRACTOR IS REQUIRED TO PROTECT TRACK SURFACE DURING CONSTRUCTION STAGE WORK AND ACCESS ACCORDINGLY. DAMAGE TO TRACK PAVING OR SURFACING CAUSED BY CONSTRUCTION ACTIVITIES WILL BE REPAIRED AT CONTRACTOR'S EXPENSE.

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Lee's Summit R7 District Athletics Facilities

Lee's Summit North High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R7 School District
301 We Tudor Road
Lee's Summit, MO 64086

architect:

Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.gould-evans.com

structural engineer:

Bob D. Campbell & Company, Inc.
4338 Bellevue
Kansas City, MO 64111
816.531.4144

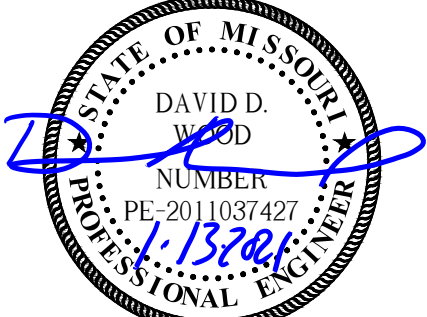
civil engineer:

Kaw Valley Engineering
14700 West 114th Terrace
Lenexa, KS 66215
913.485.0318

mechanical/electrical engineer:

Henderson Engineers
1801 Main St
Kansas City, MO 64108
816.663.5700

UNITED STATES PROFESSIONAL SEAL WITH SIGNATURE AND DATE IS AFFIRMED. THIS DOCUMENT IS PRELIMINARY AND IS NOT INTENDED FOR CONSTRUCTION, RECORDING PURPOSES OR IMPLEMENTATION



Kaw Valley Engineering, Inc.
Missouri Certificate of Authority: 000842
David Wood Date: 07/13/2021
Engineer License No. PE-2011037427

REVISIONS

Number	DESCRIPTION	DATE
1	Addendum 1	10/13/20
2	Addendum 2	10/23/20
3	Per City Comments & PR-004	01/13/21

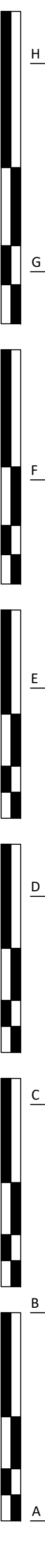
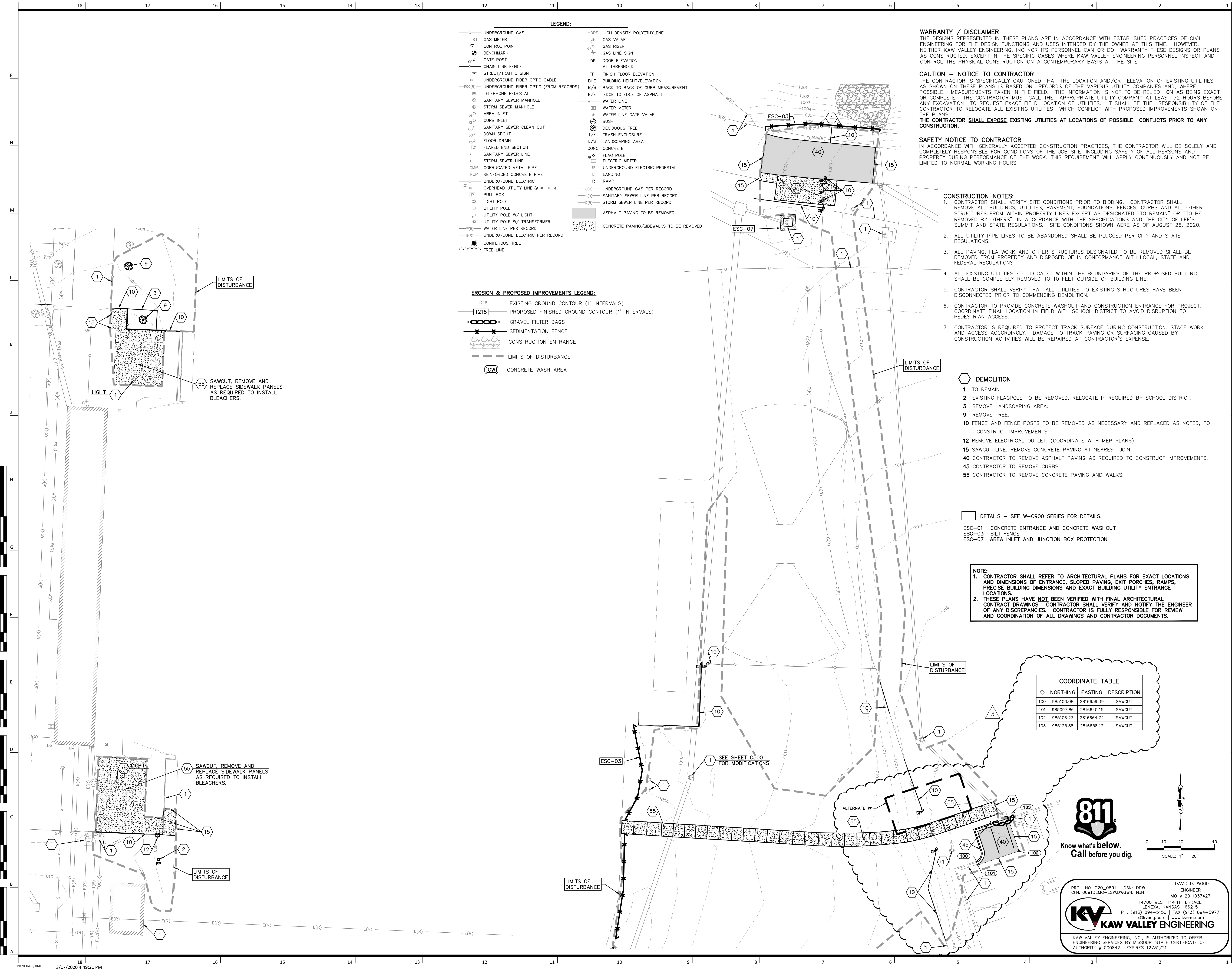
PROJECT NO: 0119-0100
DATE: September 28, 2020

SITE & DIMENSION PLAN

W-C100

BID SET

PROJ. NO. C20_0691 DSN: DDW
CFN: 0691SP-LSW.DWG DWN: NUN
DAVID D. WOOD
ENGINEER
MO # 2011037427
14700 WEST 114TH TERRACE
LENEXA, KANSAS 66215
PH. (913) 894-5150 / FAX (913) 894-5977
kv@kveng.com www.kveng.com
KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842, EXPIRES 12/31/21



PRINT DATE/TIME: 3/17/2020 4:49:21 PM

- LEGEND:**
- | | | | |
|----------|--|--------|---|
| —G— | UNDERGROUND GAS | HDPE | HIGH DENSITY POLYETHYLENE |
| □ | GAS METER | GV | GAS VALVE |
| ● | CONTROL POINT | GR | GAS RISER |
| ◆ | BENCHMARK | GL | GAS LINE SIGN |
| ○ | GATE POST | DE | DOOR ELEVATION AT THRESHOLD |
| — | CHAIN LINK FENCE | FF | FINISH FLOOR ELEVATION |
| —FOC— | UNDERGROUND FIBER OPTIC CABLE | BHE | BUILDING HEIGHT/ELEVATION |
| —FOC(R)— | UNDERGROUND FIBER OPTIC (FROM RECORDS) | B/B | BACK TO BACK OF CURB MEASUREMENT |
| □ | TELEPHONE PEDESTAL | E/E | EDGE TO EDGE OF ASPHALT |
| ○ | SANITARY SEWER MANHOLE | W | WATER LINE |
| ○ | STORM SEWER MANHOLE | WM | WATER METER |
| ○ | AREA INLET | WVG | WATER LINE GATE VALVE |
| ○ | CURB INLET | B | BUSH |
| ○ | SANITARY SEWER CLEAN OUT | DT | DECIDUOUS TREE |
| ○ | DOWN SPOUT | TE | TRASH ENCLOSURE |
| ○ | FLOOR DRAIN | L/S | LANDSCAPING AREA |
| △ | FLARED END SECTION | CONC | CONCRETE |
| —S— | SANITARY SEWER LINE | FR | FLAG POLE |
| —D— | STORM SEWER LINE | EM | ELECTRIC METER |
| —CMP— | CORRUGATED METAL PIPE | □ | UNDERGROUND ELECTRIC PEDESTAL |
| —RCP— | REINFORCED CONCRETE PIPE | L | LANDING |
| —E— | UNDERGROUND ELECTRIC | R | RAMP |
| —(2)— | OVERHEAD UTILITY LINE (# OF LINES) | —G(R)— | UNDERGROUND GAS PER RECORD |
| □ | PULL BOX | —S(R)— | SANITARY SEWER LINE PER RECORD |
| ○ | UTILITY POLE | —D(R)— | STORM SEWER LINE PER RECORD |
| ○ | UTILITY POLE W/ LIGHT | ■ | ASPHALT PAVING TO BE REMOVED |
| ○ | UTILITY POLE W/ TRANSFORMER | ■ | CONCRETE PAVING/SIDEWALKS TO BE REMOVED |
| —W(R)— | WATER LINE PER RECORD | | |
| —E(R)— | UNDERGROUND ELECTRIC PER RECORD | | |
| ☼ | CONIFEROUS TREE | | |
| — | TREE LINE | | |

- EROSION & PROPOSED IMPROVEMENTS LEGEND:**
- | | |
|--------|---|
| —1218— | EXISTING GROUND CONTOUR (1' INTERVALS) |
| —1215— | PROPOSED FINISHED GROUND CONTOUR (1' INTERVALS) |
| —●— | GRAVEL FILTER BAGS |
| —■— | SEDIMENTATION FENCE |
| —■— | CONSTRUCTION ENTRANCE |
| —■— | LIMITS OF DISTURBANCE |
| —(CW)— | CONCRETE WASH AREA |

WARRANTY / DISCLAIMER
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CAUTION — NOTICE TO CONTRACTOR
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THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.

SAFETY NOTICE TO CONTRACTOR
IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

- CONSTRUCTION NOTES:**
1. CONTRACTOR SHALL VERIFY SITE CONDITIONS PRIOR TO BIDDING. CONTRACTOR SHALL REMOVE ALL BUILDINGS, UTILITIES, PAVEMENT, FOUNDATIONS, FENCES, CURBS AND ALL OTHER STRUCTURES FROM WITHIN PROPERTY LINES EXCEPT AS DESIGNATED TO REMAIN OR TO BE REMOVED BY OTHERS, IN ACCORDANCE WITH THE SPECIFICATIONS AND THE CITY OF LEE'S SUMMIT AND STATE REGULATIONS. SITE CONDITIONS SHOWN WERE AS OF AUGUST 26, 2020.
 2. ALL UTILITY PIPE LINES TO BE ABANDONED SHALL BE PLUGGED PER CITY AND STATE REGULATIONS.
 3. ALL PAVING, FLATWORK AND OTHER STRUCTURES DESIGNATED TO BE REMOVED SHALL BE REMOVED FROM PROPERTY AND DISPOSED OF IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
 4. ALL EXISTING UTILITIES ETC. LOCATED WITHIN THE BOUNDARIES OF THE PROPOSED BUILDING SHALL BE COMPLETELY REMOVED TO 10 FEET OUTSIDE OF BUILDING LINE.
 5. CONTRACTOR SHALL VERIFY THAT ALL UTILITIES TO EXISTING STRUCTURES HAVE BEEN DISCONNECTED PRIOR TO COMMENCING DEMOLITION.
 6. CONTRACTOR TO PROVIDE CONCRETE WASHOUT AND CONSTRUCTION ENTRANCE FOR PROJECT. COORDINATE FINAL LOCATION IN FIELD WITH SCHOOL DISTRICT TO AVOID DISRUPTION TO PEDESTRIAN ACCESS.
 7. CONTRACTOR IS REQUIRED TO PROTECT TRACK SURFACE DURING CONSTRUCTION. STAGE WORK AND ACCESS ACCORDINGLY. DAMAGE TO TRACK PAVING OR SURFACING CAUSED BY CONSTRUCTION ACTIVITIES WILL BE REPAIRED AT CONTRACTOR'S EXPENSE.

- DEMOLITION**
- 1 TO REMAIN.
 - 2 EXISTING FLAGPOLE TO BE REMOVED. RELOCATE IF REQUIRED BY SCHOOL DISTRICT.
 - 3 REMOVE LANDSCAPING AREA.
 - 9 REMOVE TREE.
 - 10 FENCE AND FENCE POSTS TO BE REMOVED AS NECESSARY AND REPLACED AS NOTED, TO CONSTRUCT IMPROVEMENTS.
 - 12 REMOVE ELECTRICAL OUTLET. (COORDINATE WITH MEP PLANS)
 - 15 SAWCUT LINE. REMOVE CONCRETE PAVING AT NEAREST JOINT.
 - 40 CONTRACTOR TO REMOVE ASPHALT PAVING AS REQUIRED TO CONSTRUCT IMPROVEMENTS.
 - 45 CONTRACTOR TO REMOVE CURBS
 - 55 CONTRACTOR TO REMOVE CONCRETE PAVING AND WALKS.

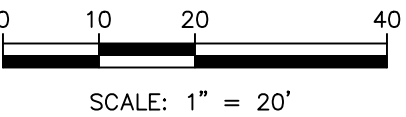
DETAILS — SEE W-C900 SERIES FOR DETAILS.

ESC-01 CONCRETE ENTRANCE AND CONCRETE WASHOUT
ESC-03 SILT FENCE
ESC-07 AREA INLET AND JUNCTION BOX PROTECTION

NOTE:

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRANCE, SLOPED PAVING, EXIT PORCHES, RAMPS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
2. THESE PLANS HAVE NOT BEEN VERIFIED WITH FINAL ARCHITECTURAL CONTRACT DRAWINGS. CONTRACTOR SHALL VERIFY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR IS FULLY RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND CONTRACTOR DOCUMENTS.

COORDINATE TABLE			
◇	NORTHING	EASTING	DESCRIPTION
100	985100.08	2816639.39	SAWCUT
101	985097.86	2816640.15	SAWCUT
102	985106.23	2816664.72	SAWCUT
103	985125.88	2816658.12	SAWCUT



PROJ. NO. C20-0691 DSN: DDW
CFN: 0691DEMO-LSW.DWGWN: NJN

KV KAW VALLEY ENGINEERING

KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/21

DAVID D. WOOD
ENGINEER
MO # 201037427
14700 WEST 114TH TERRACE
LENEXA, KANSAS 66215
PH. (913) 894-5150 | FAX (913) 894-5977
kd@kveeng.com | www.kveeng.com

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**Lee's Summit R7 District
Athletics Facilities**

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2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.gould-evans.com

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816.531.4144

civil engineer:
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Lenexa, KS 66215
913.485.0318

mechanical/electrical engineer:
Henderson Engineers
1801 Main St
Kansas City, MO 64108
816.663.6700

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STATE OF MISSOURI
DAVID D. WOOD
LICENSED PROFESSIONAL ENGINEER
PE-2011037427
1.13.2021

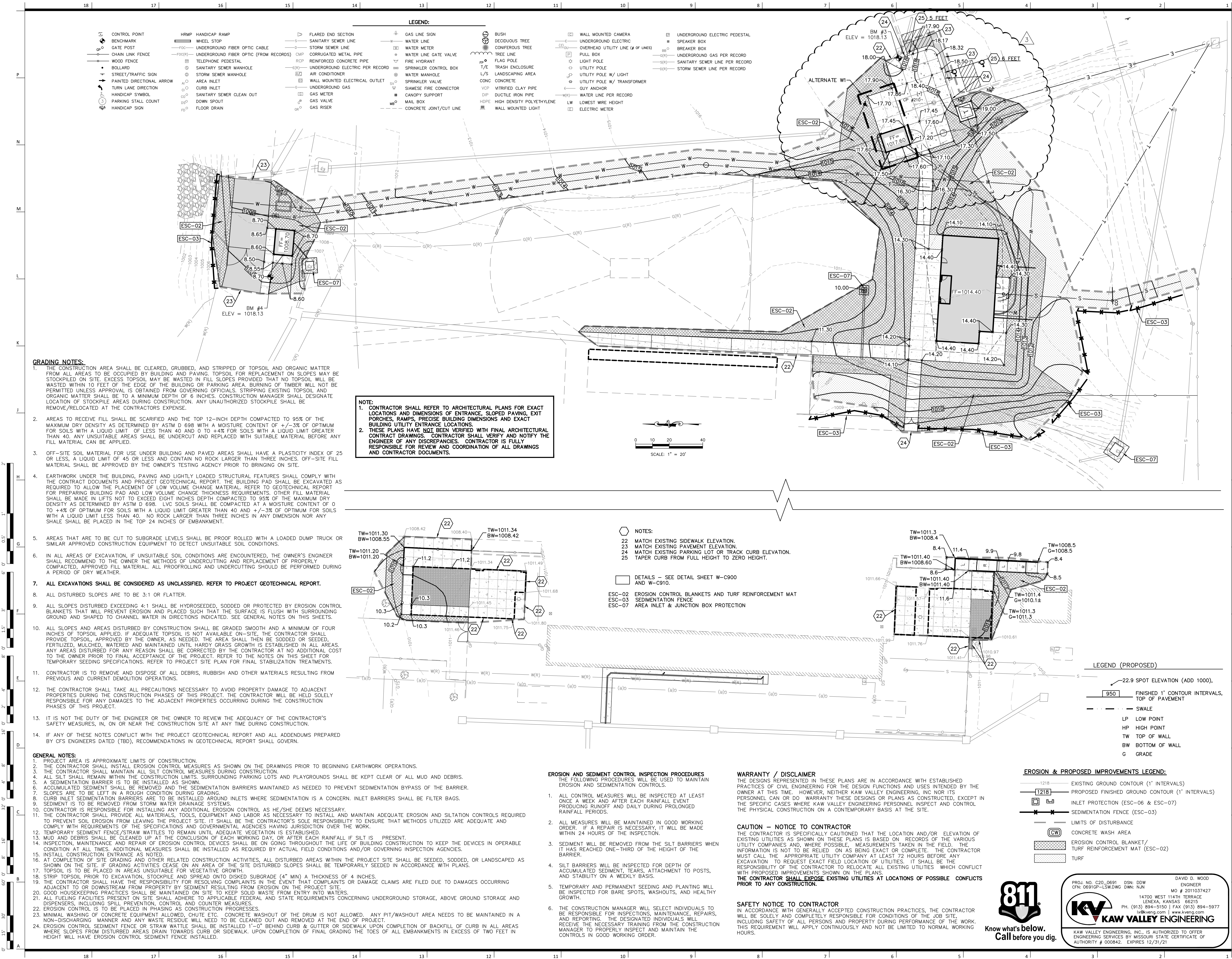
Kaw Valley Engineering, Inc.
Missouri Certificate of Authority: 000842
David Wood Date: 07/13/2021
Engineer License No. PE-2011037427

REVISIONS		
Number	DESCRIPTION	DATE
1	Addendum 1	10/13/20
2	Addendum 3	10/23/20
3	Per City Comments & PR-004	01/13/21

PROJECT NO: 0119-0100
DATE: September 28, 2020

**DEMOLITION AND
EROSION CONTROL PLAN
W-C200**

BID SET



Lee's Summit R7 District
Athletics Facilities

Lee's Summit North High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

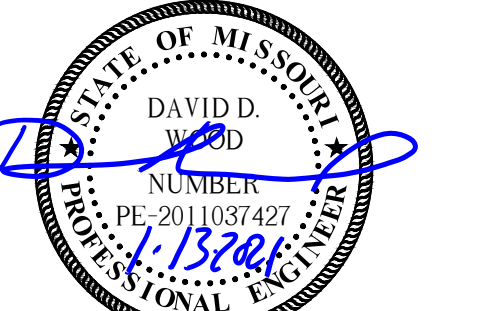
architect:
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Missouri Certificate of Authority: 000842
David Wood Date: 07/13/2021
Engineer License No. PE-2011031427

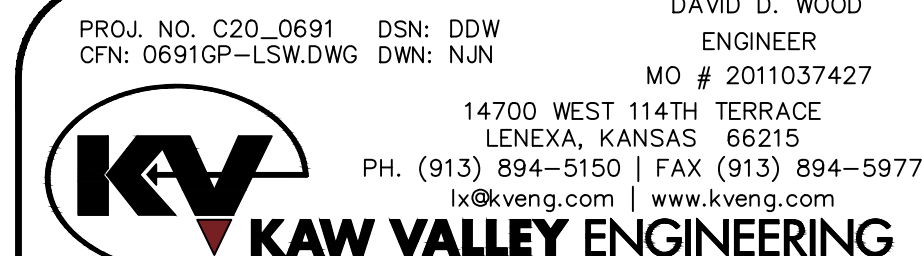
REVISIONS

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2	Addendum 3	10/23/20
3	Per City Comments & PR-004	01/13/21

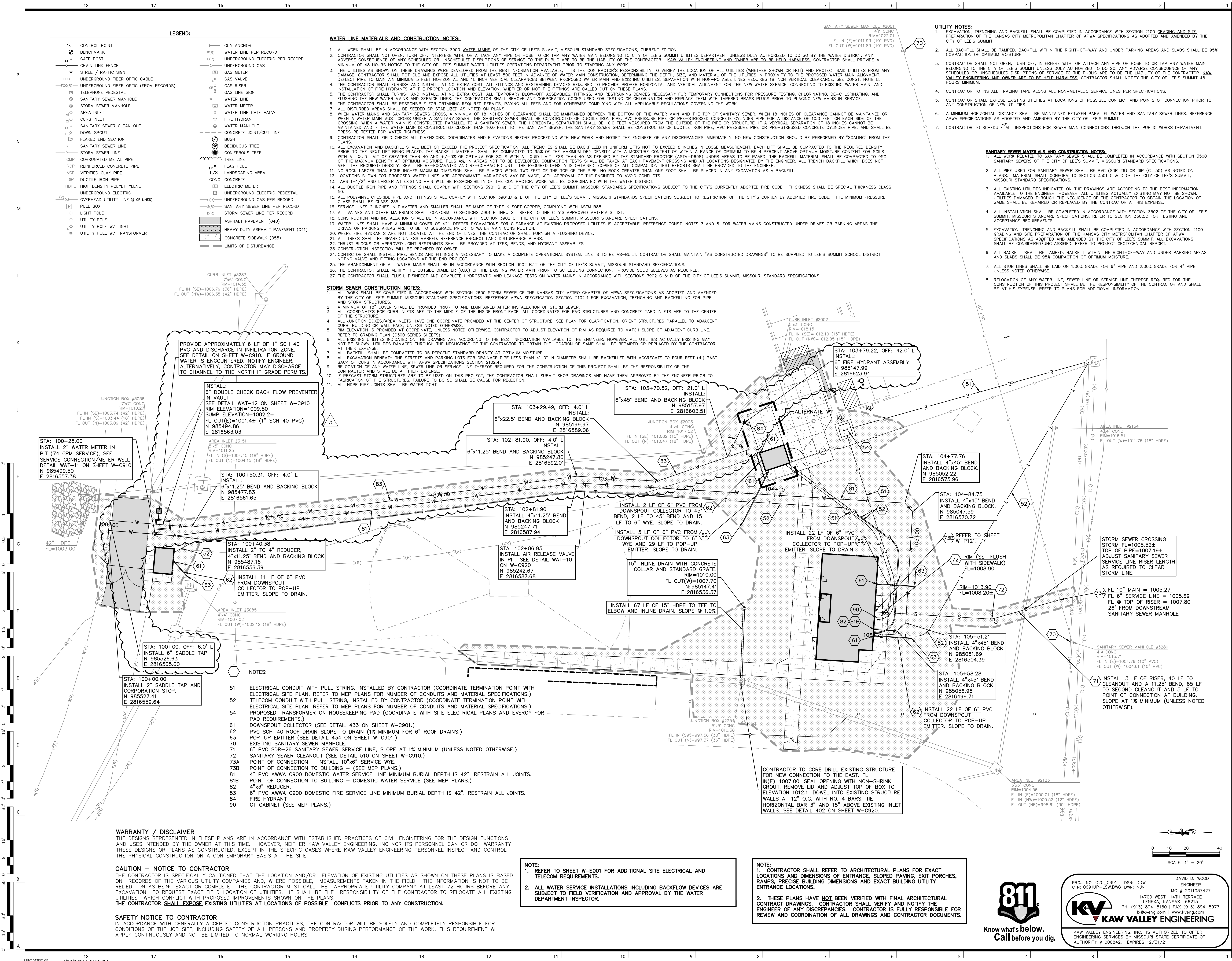
PROJECT NO: 0119-0100
DATE: September 28, 2020

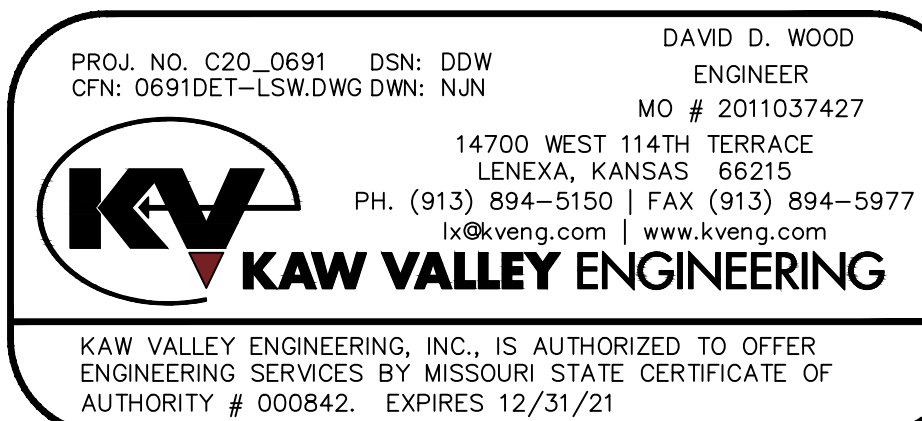
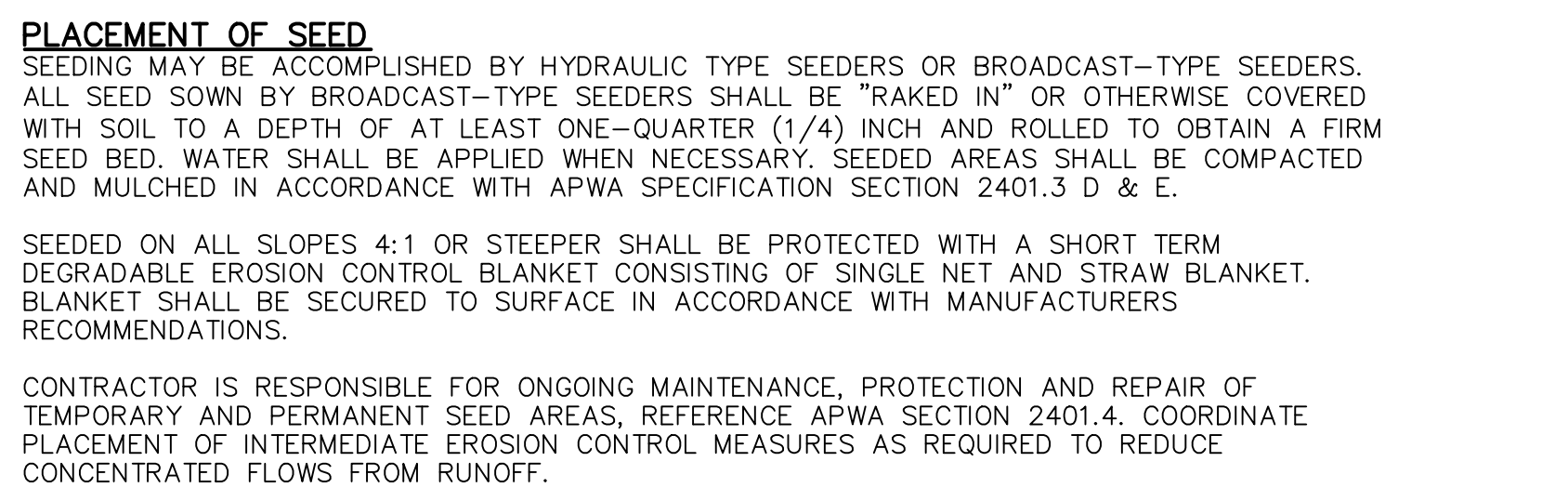
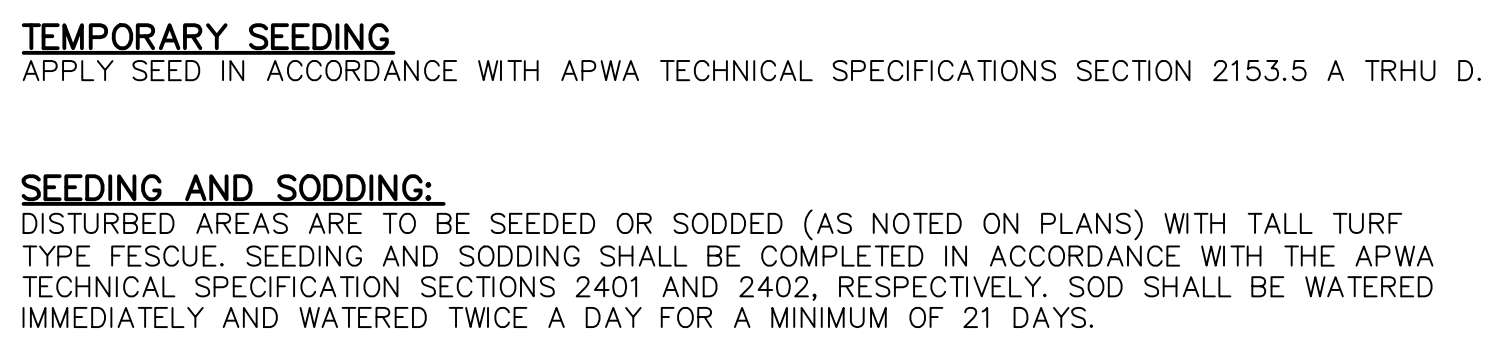
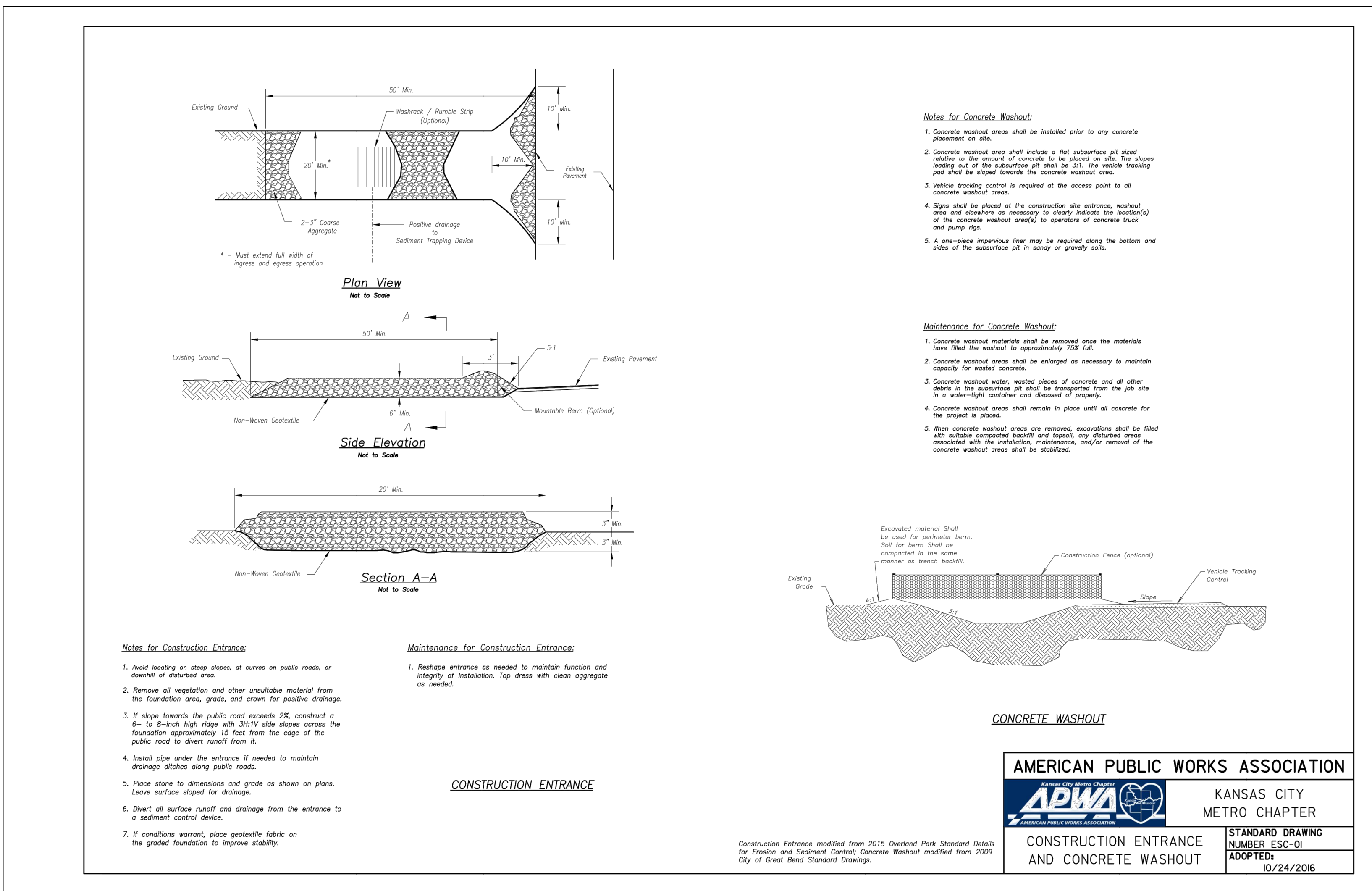
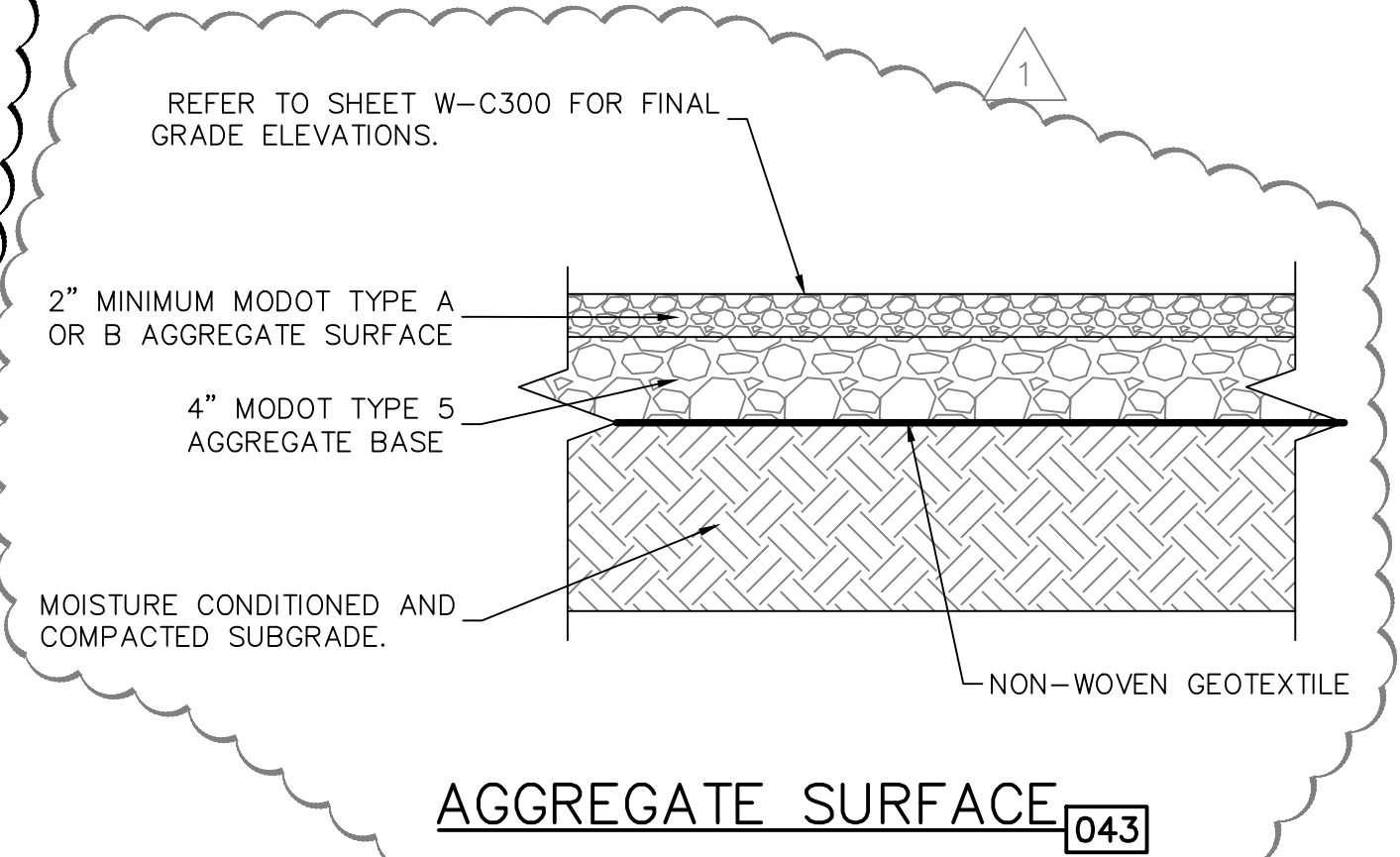
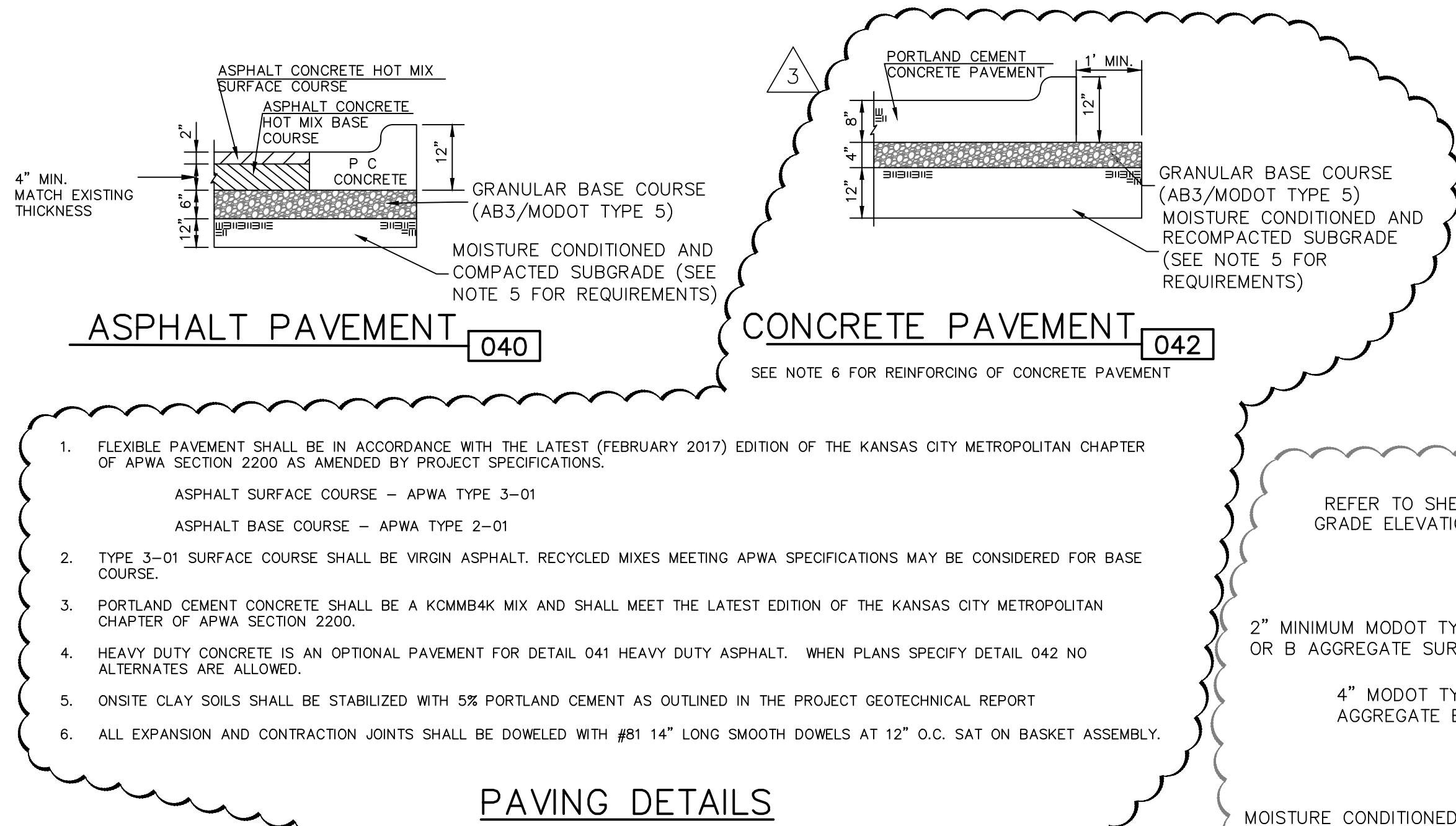
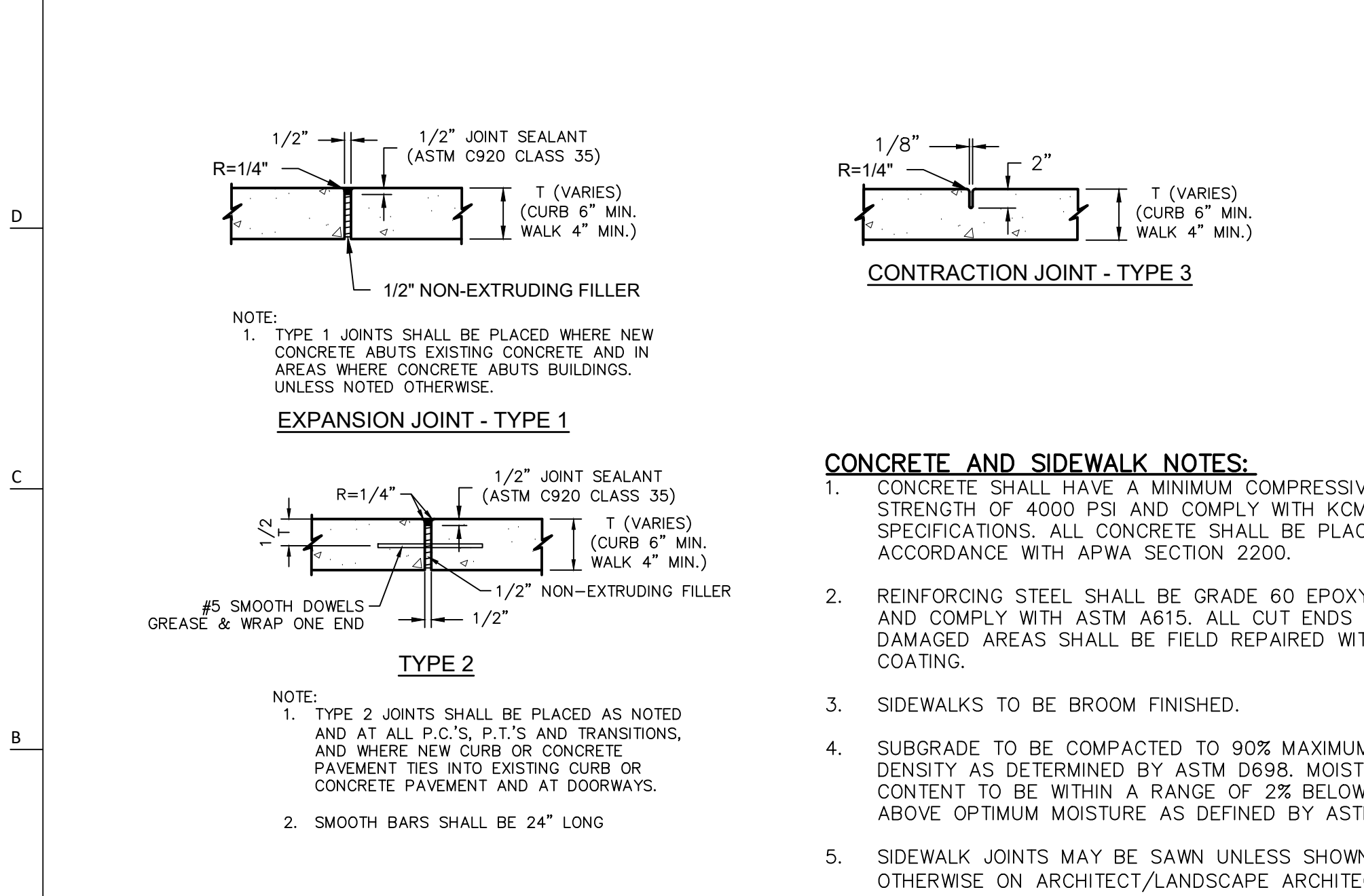
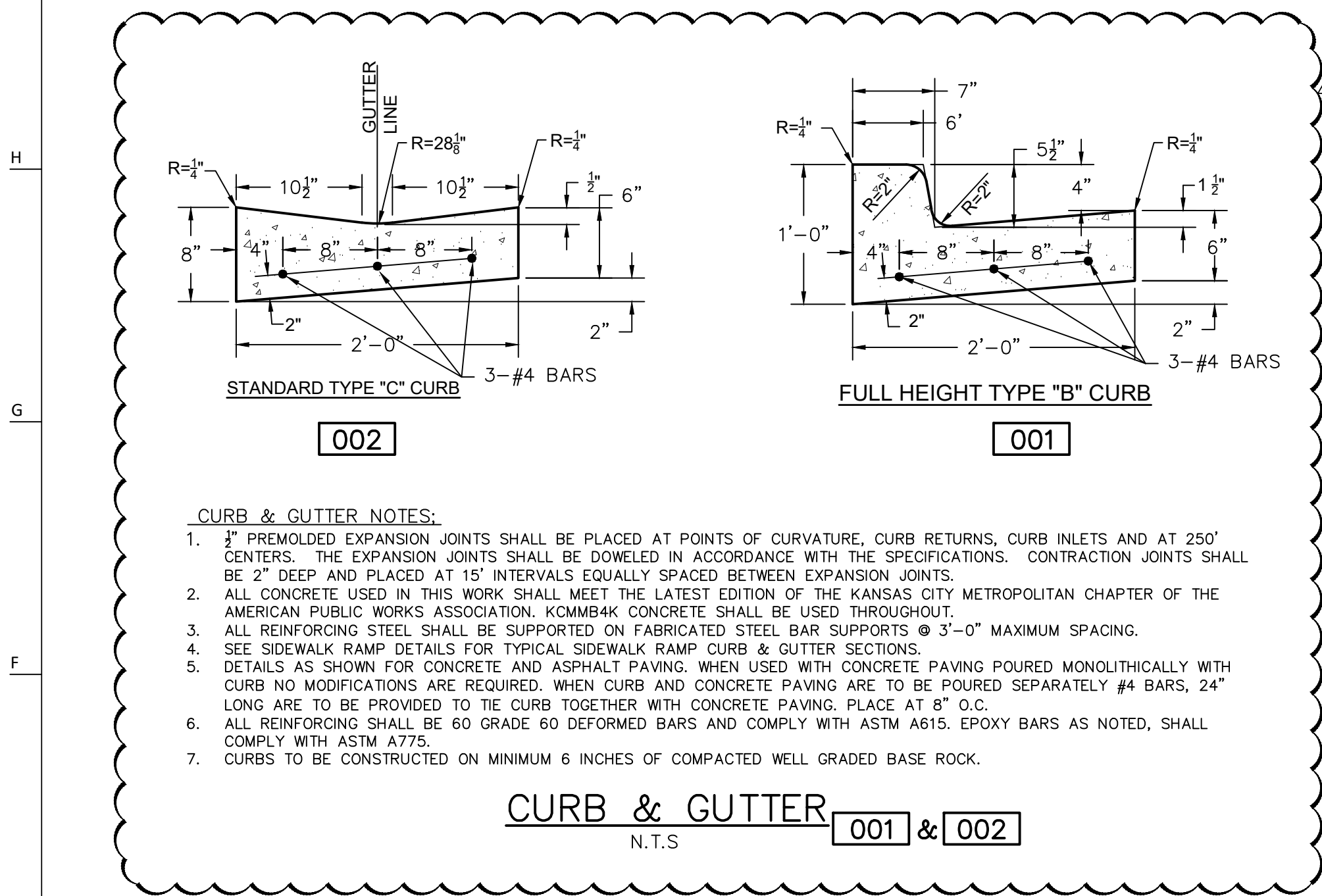
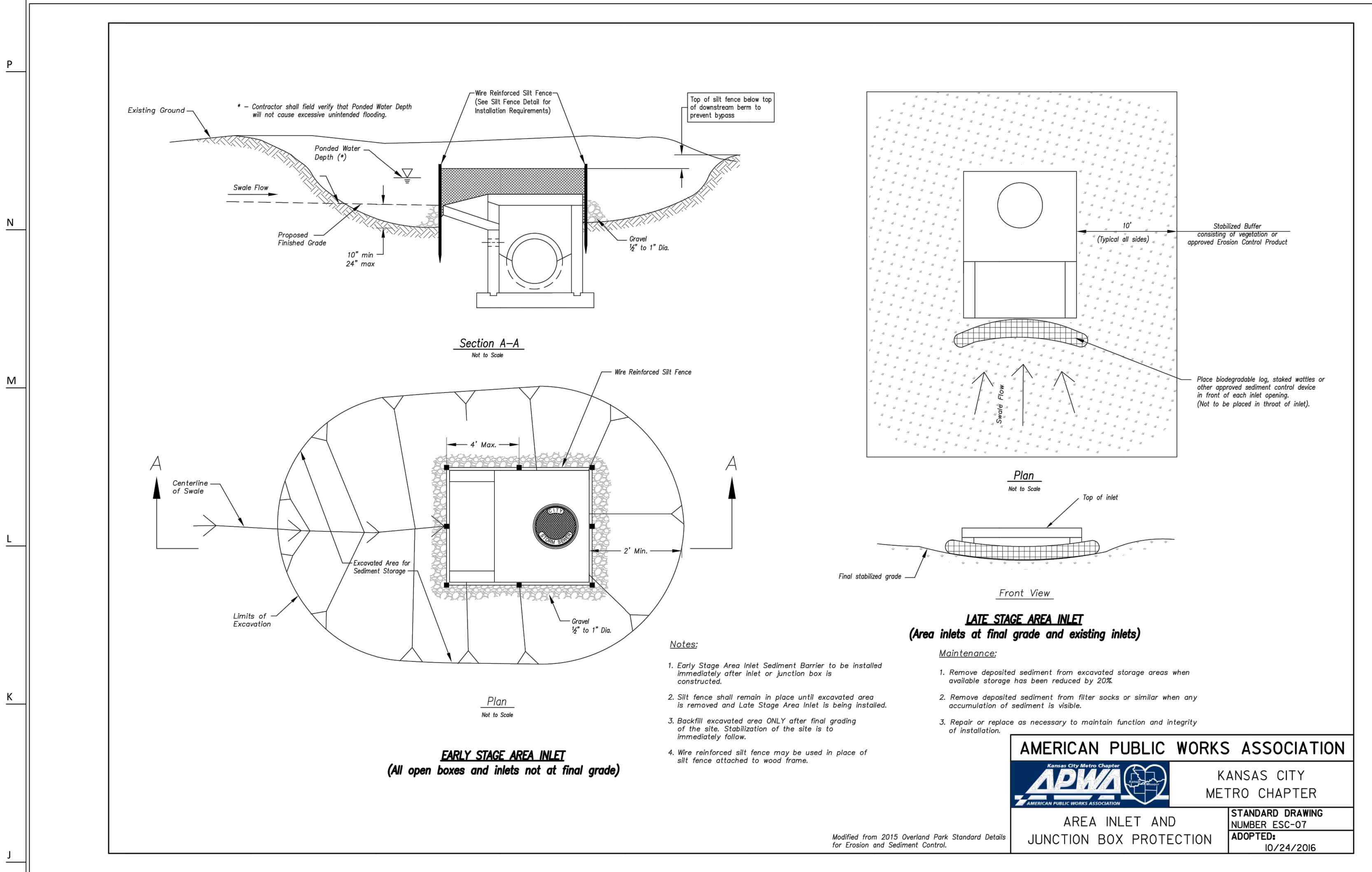
GRADING AND EROSION
CONTROL PLAN
W-C300

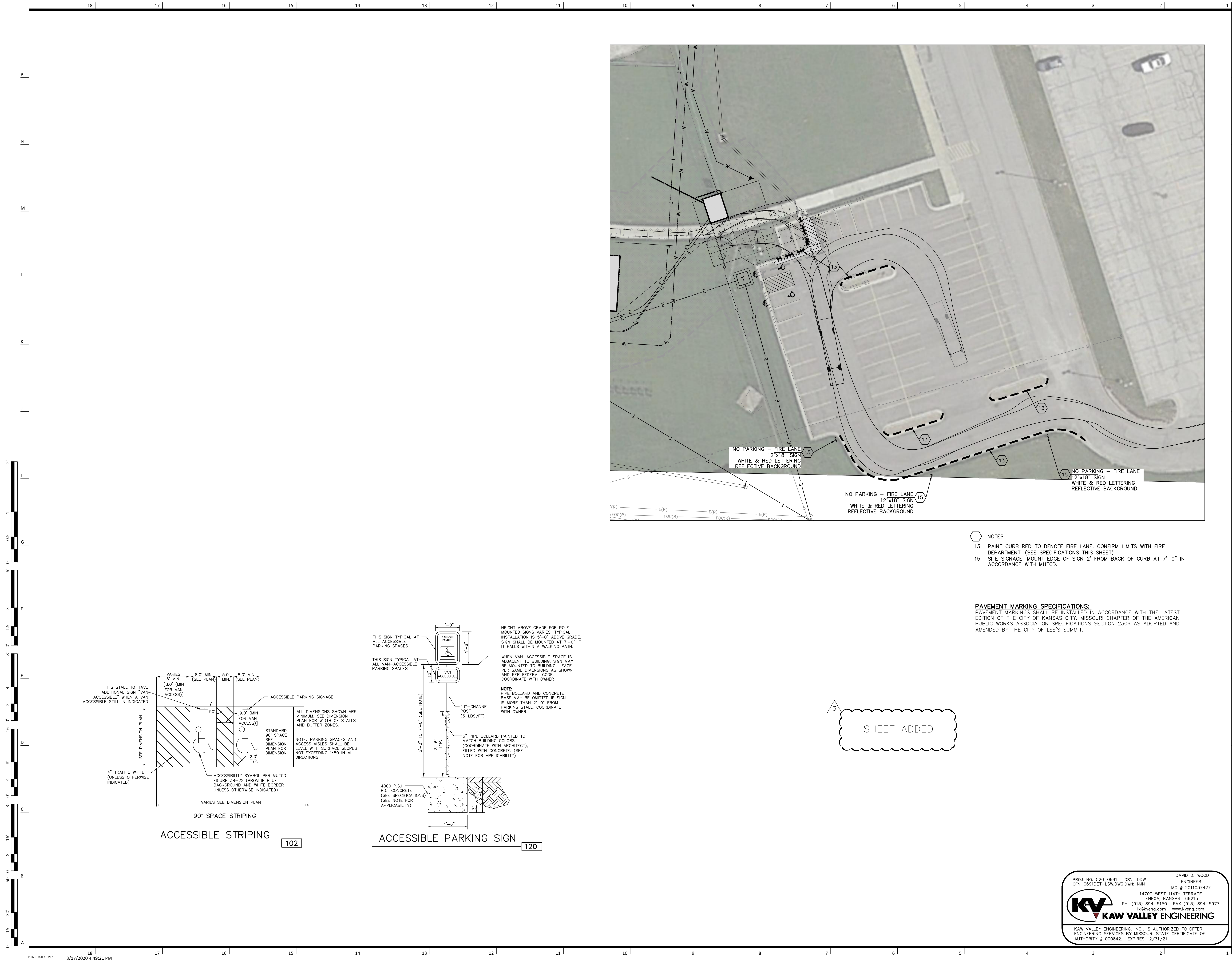
BID SET



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AUTHORITY # 000842. EXPIRES 12/31/21







Lee's Summit R7 District
Athletics Facilities

Lee's Summit North High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
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4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.gould-evans.com

structural engineer:
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4338 Bellevue
Kansas City, MO 64111
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civil engineer:
Kaw Valley Engineering
14700 West 114th Terrace
Lenexa, KS 66115
913.485.0318

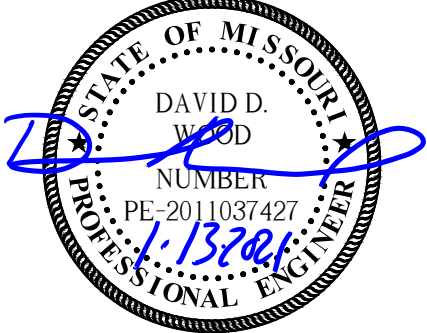
mechanical/electrical engineer:
Henderson Engineers
1801 Main St
Kansas City, MO 64108
816.663.6700

- NOTES:
- 13 PAINT CURB RED TO DENOTE FIRE LANE. CONFIRM LIMITS WITH FIRE DEPARTMENT. (SEE SPECIFICATIONS THIS SHEET)
 - 15 SITE SIGNAGE. MOUNT EDGE OF SIGN 2' FROM BACK OF CURB AT 7'-0" IN ACCORDANCE WITH MUTCD.

PAVEMENT MARKING SPECIFICATIONS:

PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF KANSAS CITY, MISSOURI CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION SPECIFICATIONS SECTION 2306 AS ADOPTED AND AMENDED BY THE CITY OF LEE'S SUMMIT.

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Kaw Valley Engineering, Inc.
Missouri Certificate of Authority: 000842
David Wood Date: 07/13/2021
Engineer License No. PE-2011037427

REVISIONS		
Number	DESCRIPTION	DATE
1	Addendum 1	10/13/20
2	Addendum 3	10/23/20
3	Per City Comments & PR-004	01/13/21

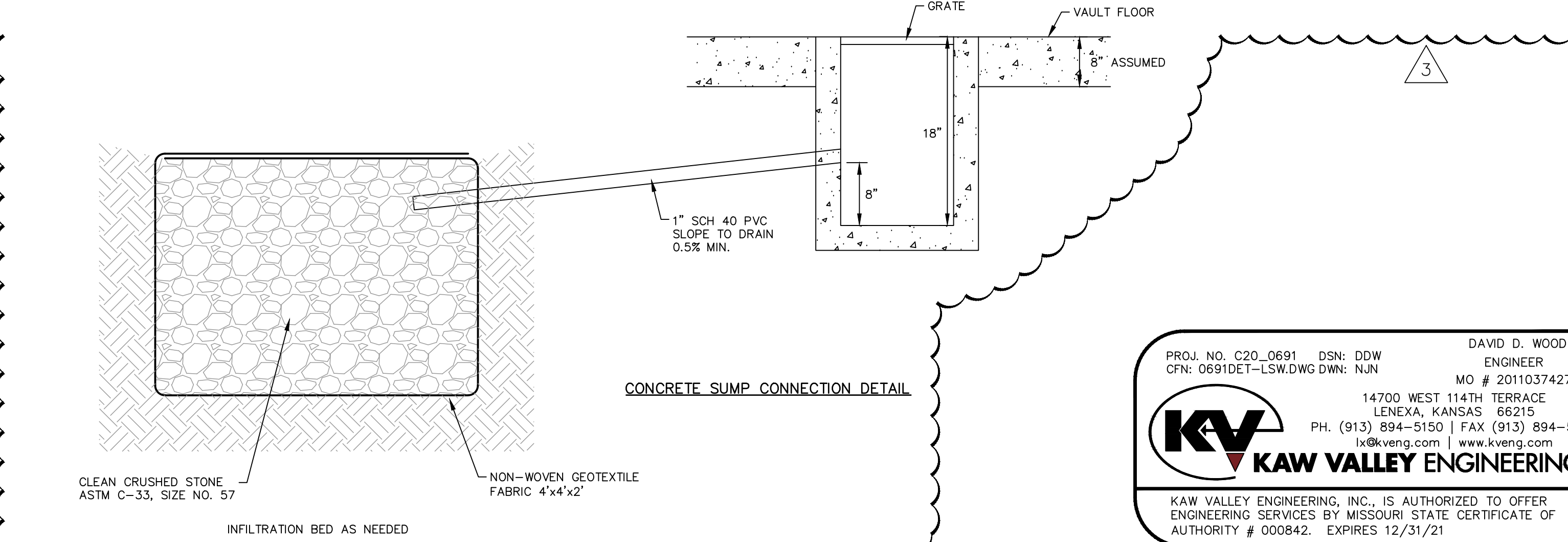
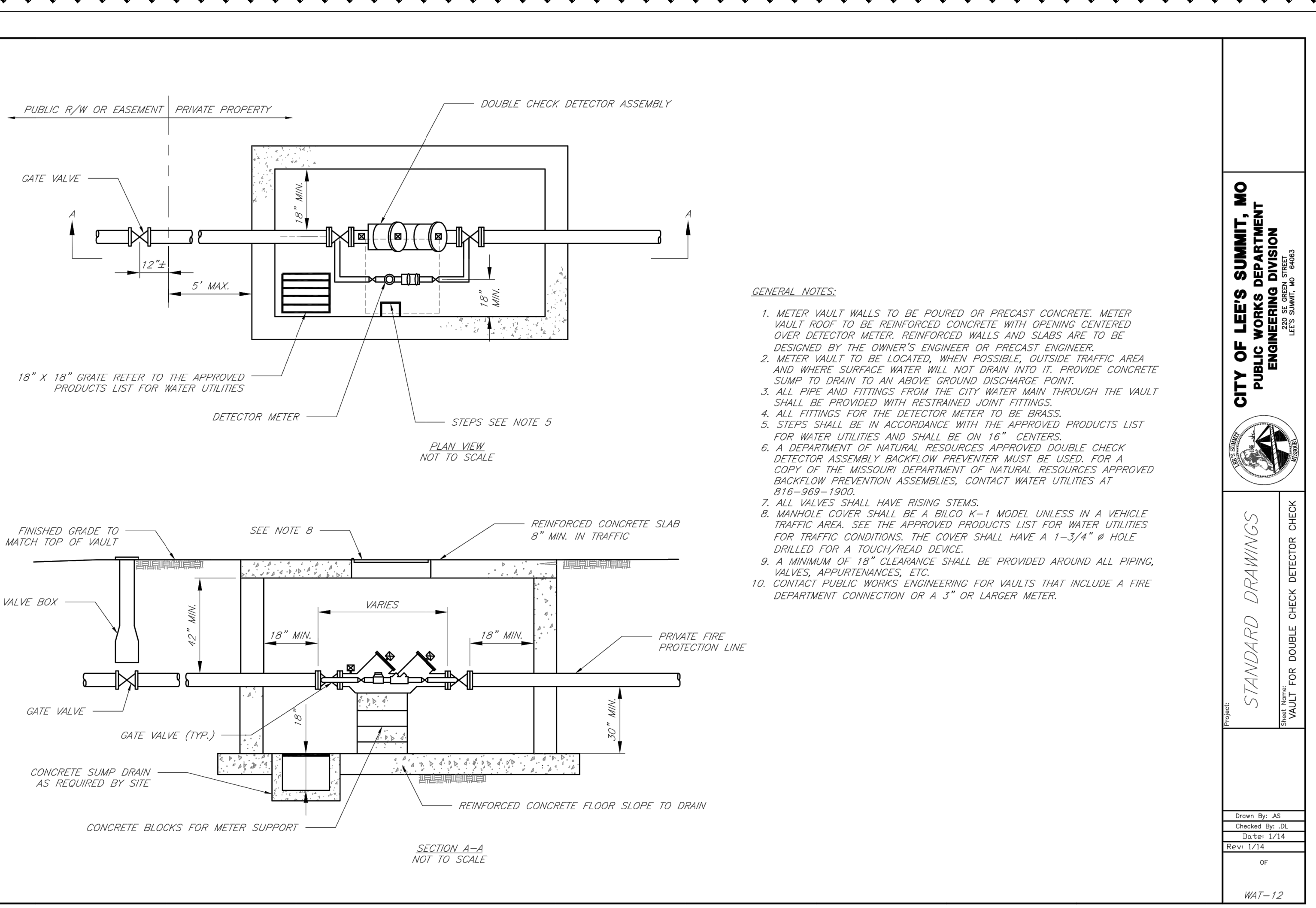
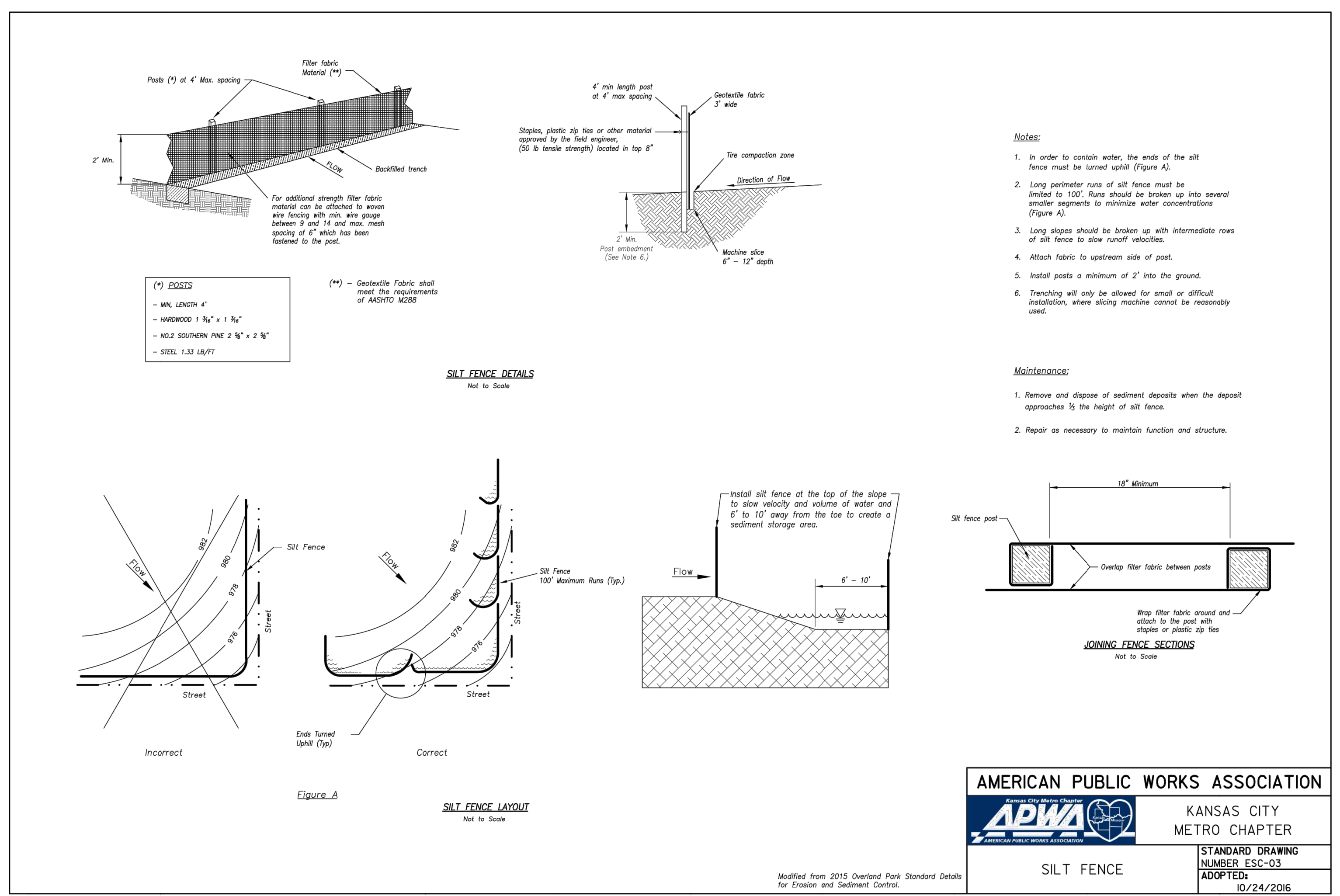
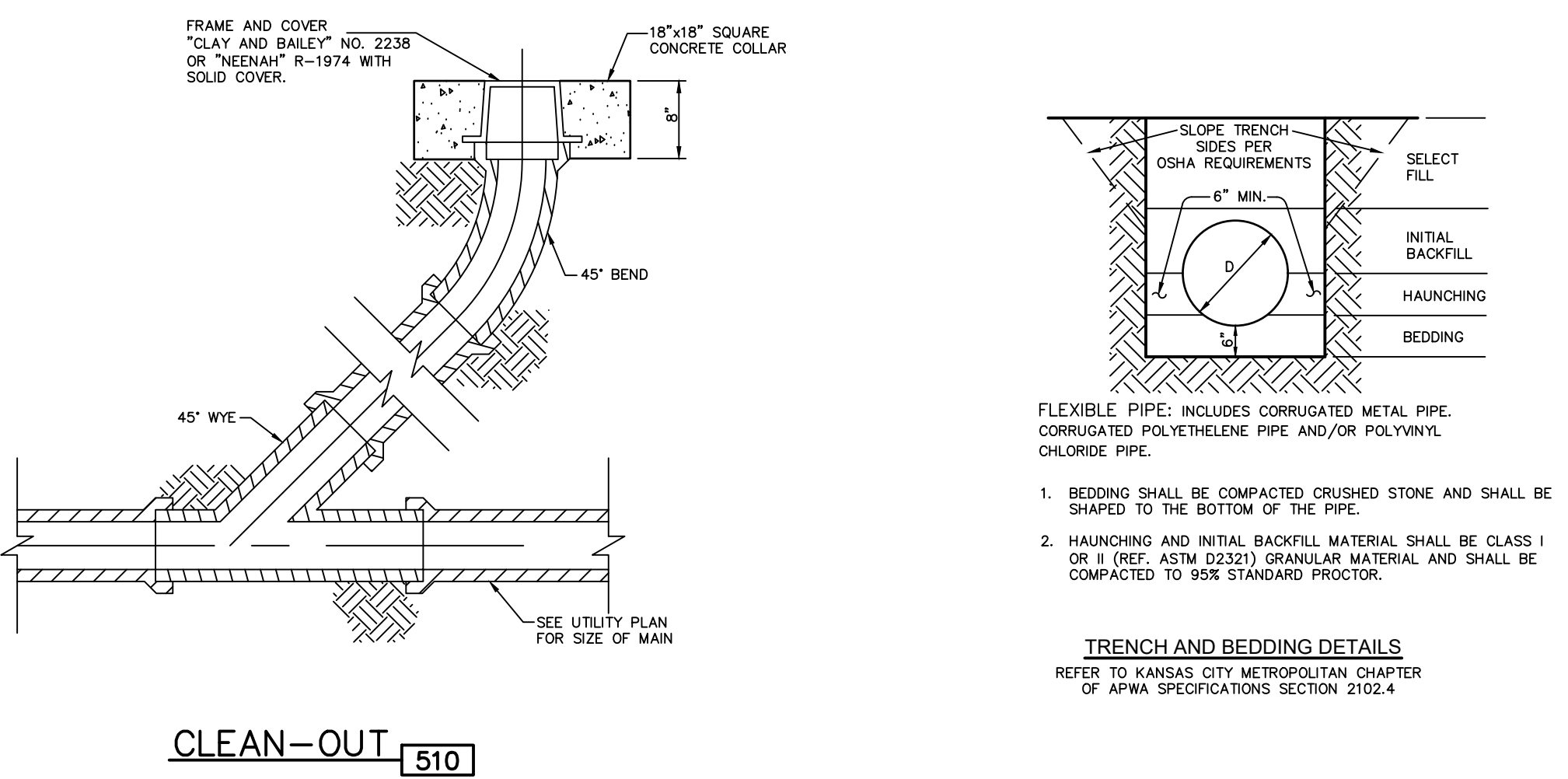
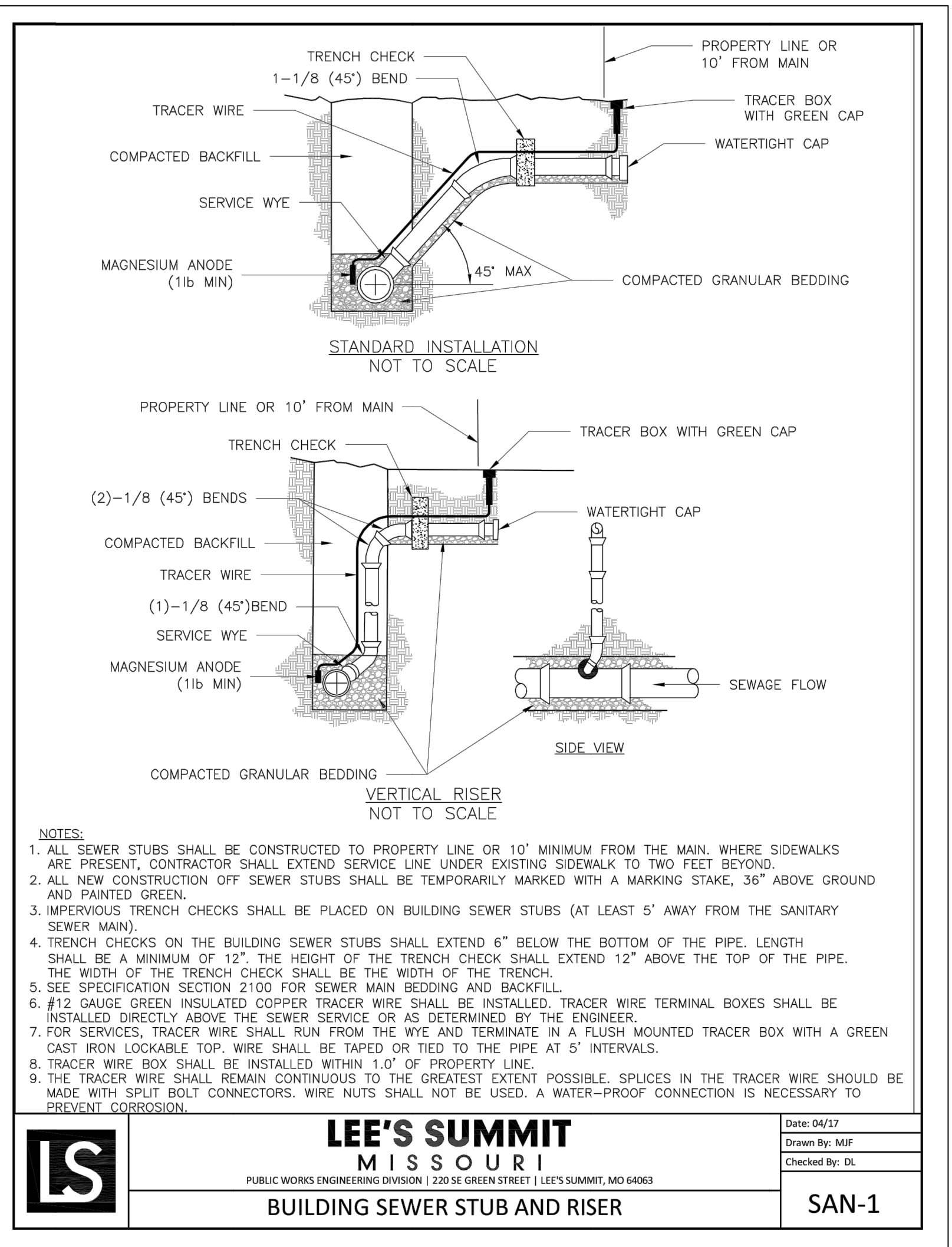
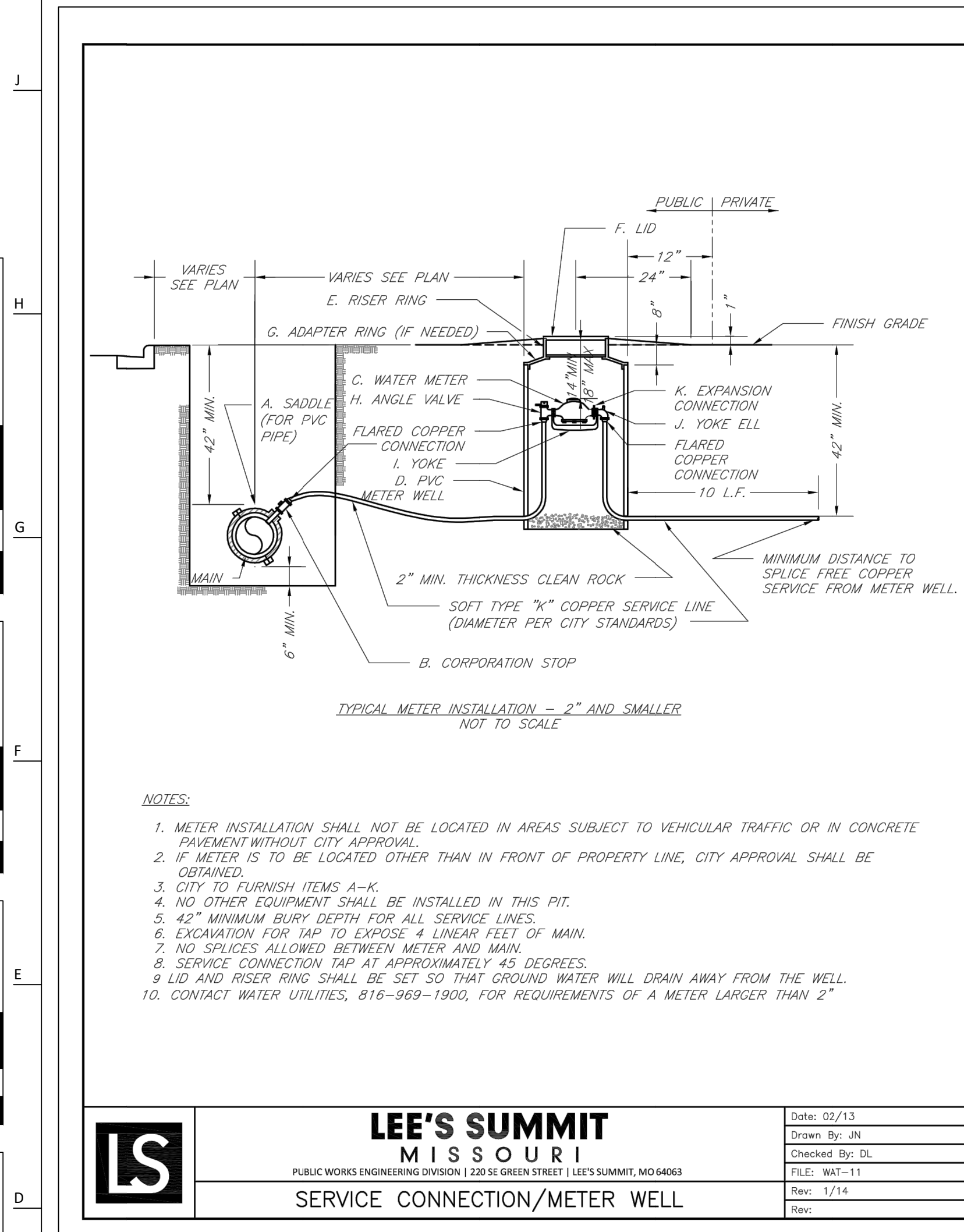
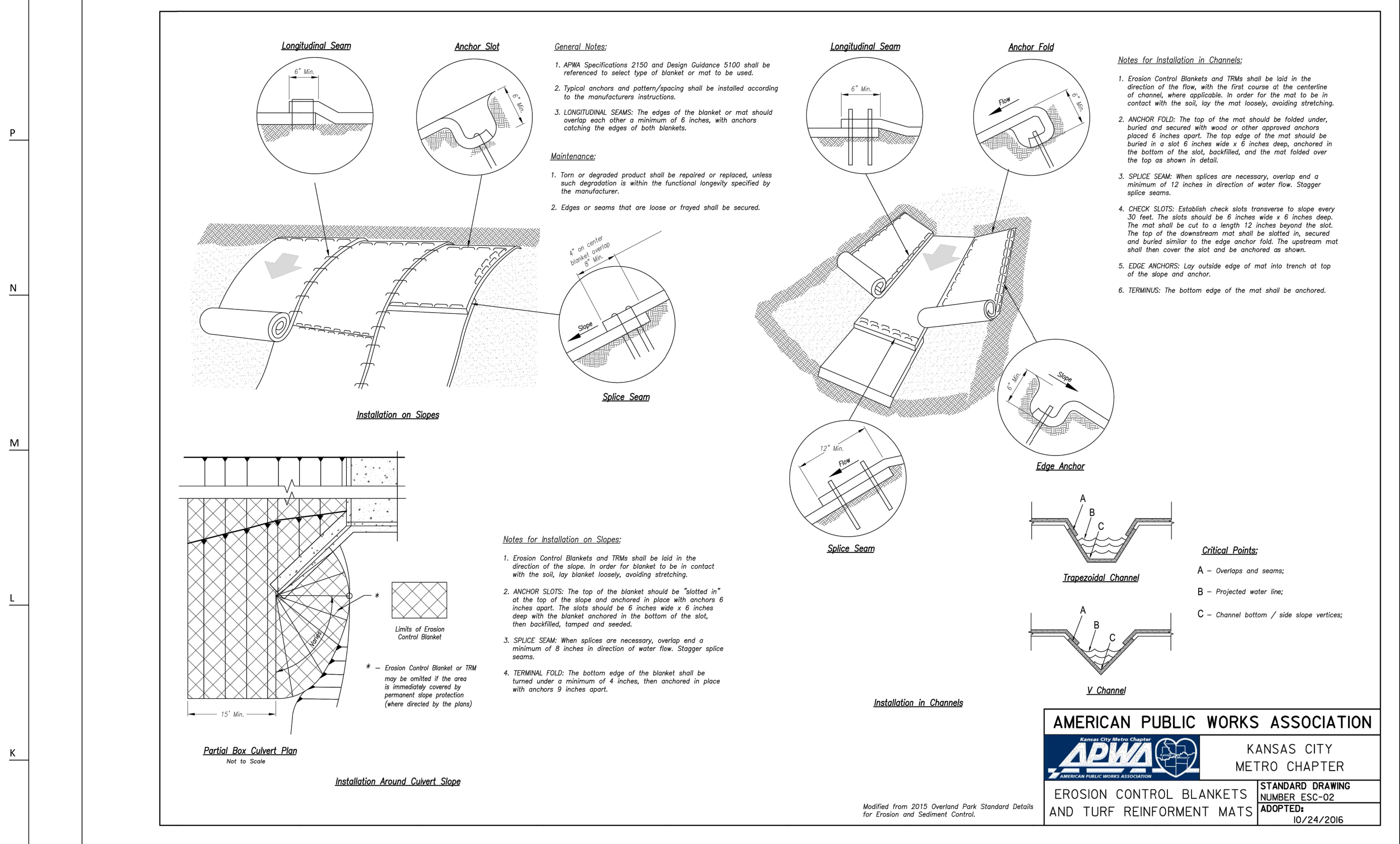
PROJECT NO: 0119-0100
DATE: September 28, 2020

SITE DETAILS

W-C905

BID SET

PROJ. NO. C20_0691 DSN: DDW DAVID D. WOOD
CFN: 0691DET-LSW.DWG DWN: NJN ENGINEER
MO # 2011037427
14700 WEST 114TH TERRACE
LENEXA, KANSAS 66215
PH. (913) 894-5150 | FAX (913) 894-5977
kve@kve.com | www.kve.com
KAW VALLEY ENGINEERING
KAW VALLEY ENGINEERING, INC., IS AUTHORIZED TO OFFER ENGINEERING SERVICES BY MISSOURI STATE CERTIFICATE OF AUTHORITY # 000842. EXPIRES 12/31/21



**Lee's Summit R7 District
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2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R7 School District
301 The Tudor Road
Lee's Summit, MO 64086

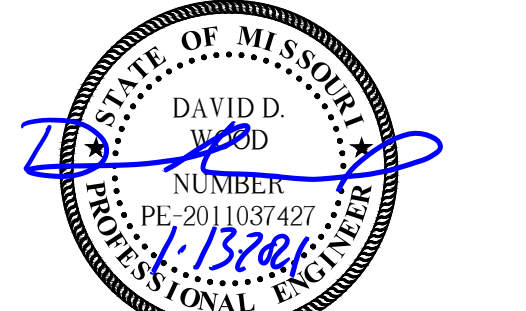
architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.goulddevans.com

structural engineer:
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David Wood Date: 07/13/2021
Engineer License No. PE-2011037427

Number	DESCRIPTION	DATE
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2	Addendum 2	10/23/2020
3	Per City Comments & PR-004	01/13/21

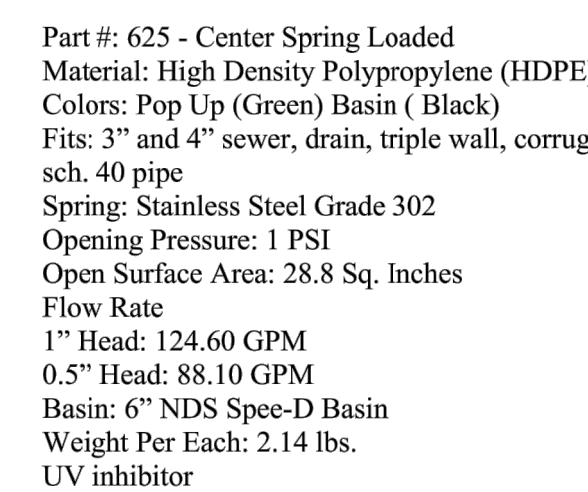
PROJECT NO: 0119-0100
DATE: September 28, 2020

UTILITY DETAILS

W-C910

BID SET

Date: 02/13
Drawn By: JN
Checked By: DL
FILE: WAT-1
Rev: 1/14
Rev:

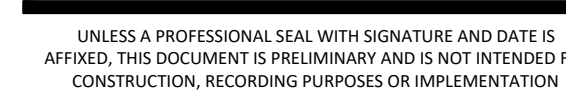
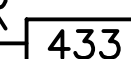


402

16. THE BOTTOM SLAB SHALL BE AT LEAST 24 HOURS OLD BEFORE PLACING SIDEWALK CONCRETE. ALL SIDEWALK FORMS SHALL REMAIN IN PLACE A MINIMUM OF 24 HOURS AFTER SIDEWALKS ARE POURED BEFORE REMOVAL, AND AFTER REMOVAL SHALL BE IMMEDIATELY TREATED WITH MEMBRANE CURING COMPOUND.

17. PIPE CONNECTIONS TO PRE-CAST STRUCTURES SHALL HAVE A MINIMUM OF 6" OF CONCRETE AROUND THE ENTIRE PIPE WITHIN 2' OF THE STRUCTURE.

18. MATERIAL SELECTION AND COMPACTION REQUIREMENTS FOR BACKFILL AROUND STRUCTURES SHALL BE AS SPECIFIED IN THE KANSAS CITY METROPOLITAN CHAPTER OF THE AFWA TECHNICAL SPECIFICATIONS.



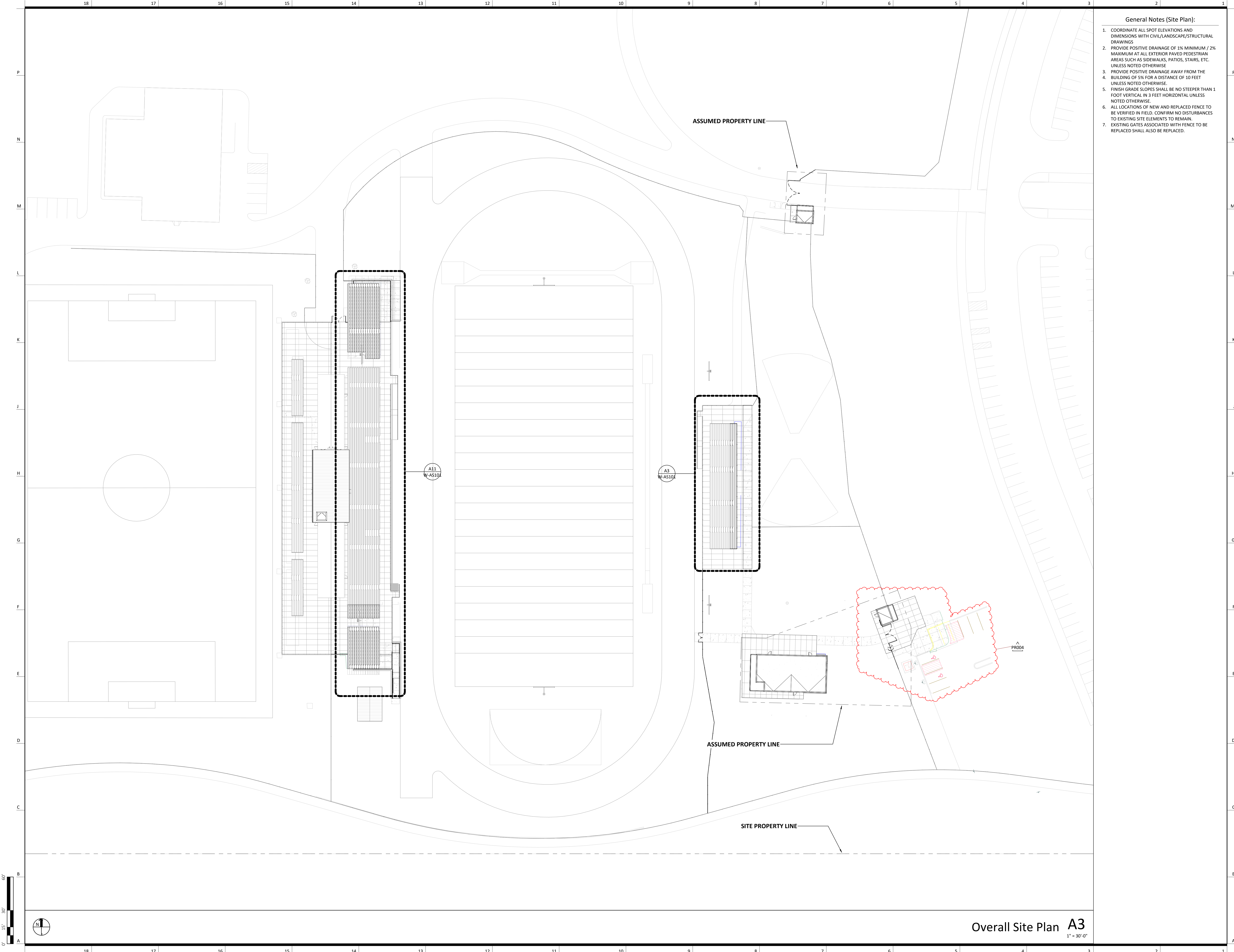
Kaw Valley Engineering, Inc.
Missouri Certificate of Authority: 000842
David Wood Date: 01/13/2021
Engineer License No. PE-20110374

REVISIONS		
Number	DESCRIPTION	DATE
1	Addendum 1	10/13/2004
2	Addendum 3	10/23/2004
3	Per City Comments	01/13/2005

PROJECT NO: 0119-0100
DATE: September 28, 2020

W-C920

BID SET



- General Notes (Site Plan):**
- COORDINATE ALL SPOT ELEVATIONS AND DIMENSIONS WITH CIVIL/LANDSCAPE/STRUCTURAL DRAWINGS
 - PROVIDE POSITIVE DRAINAGE OF 1% MINIMUM / 2% MAXIMUM AT ALL EXTERIOR PAVED PEDESTRIAN AREAS SUCH AS SIDEWALKS, PATIOS, STAIRS, ETC. UNLESS NOTED OTHERWISE
 - PROVIDE POSITIVE DRAINAGE AWAY FROM THE BUILDING OF 5% FOR A DISTANCE OF 10 FEET UNLESS NOTED OTHERWISE
 - FINISH GRADE SLOPES SHALL BE NO STEEPER THAN 1 FOOT VERTICAL IN 3 FEET HORIZONTAL UNLESS NOTED OTHERWISE
 - ALL LOCATIONS OF NEW AND REPLACED FENCE TO BE VERIFIED IN FIELD. CONFIRM NO DISTURBANCES TO EXISTING SITE ELEMENTS TO REMAIN.
 - EXISTING GATES ASSOCIATED WITH FENCE TO BE REPLACED SHALL ALSO BE REPLACED.

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**Lee's Summit R7 District
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architect:
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JAY DARREN BROWNING
ARCHITECT
11.3.20

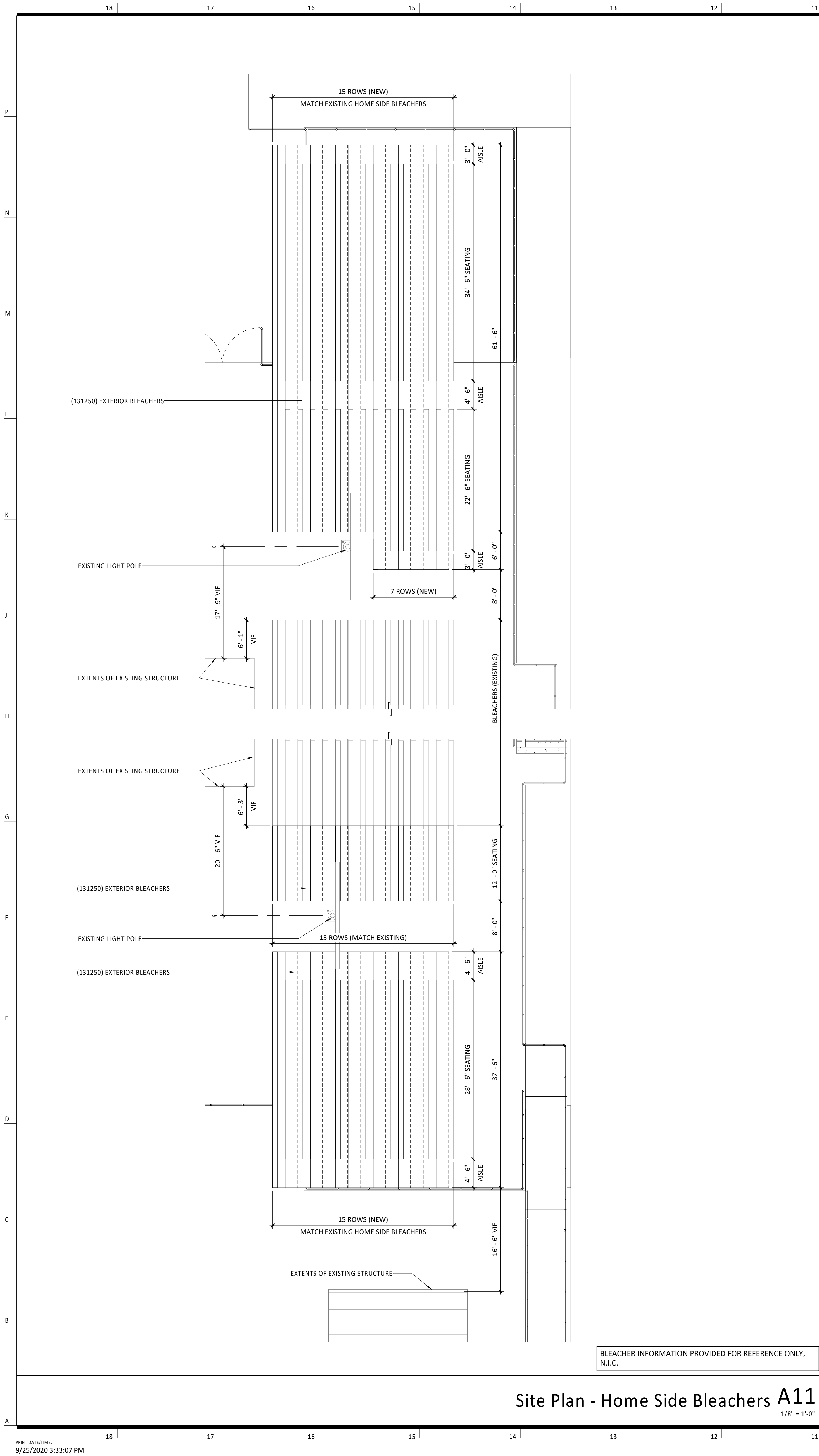
Architectural Corporation
Missouri License No. 2018022991
Jay Darren Browning
Architect License No. A-2009027279

REVISIONS

Number	DESCRIPTION	DATE
PRO04	Proposal Request ID#4	01/14/2021

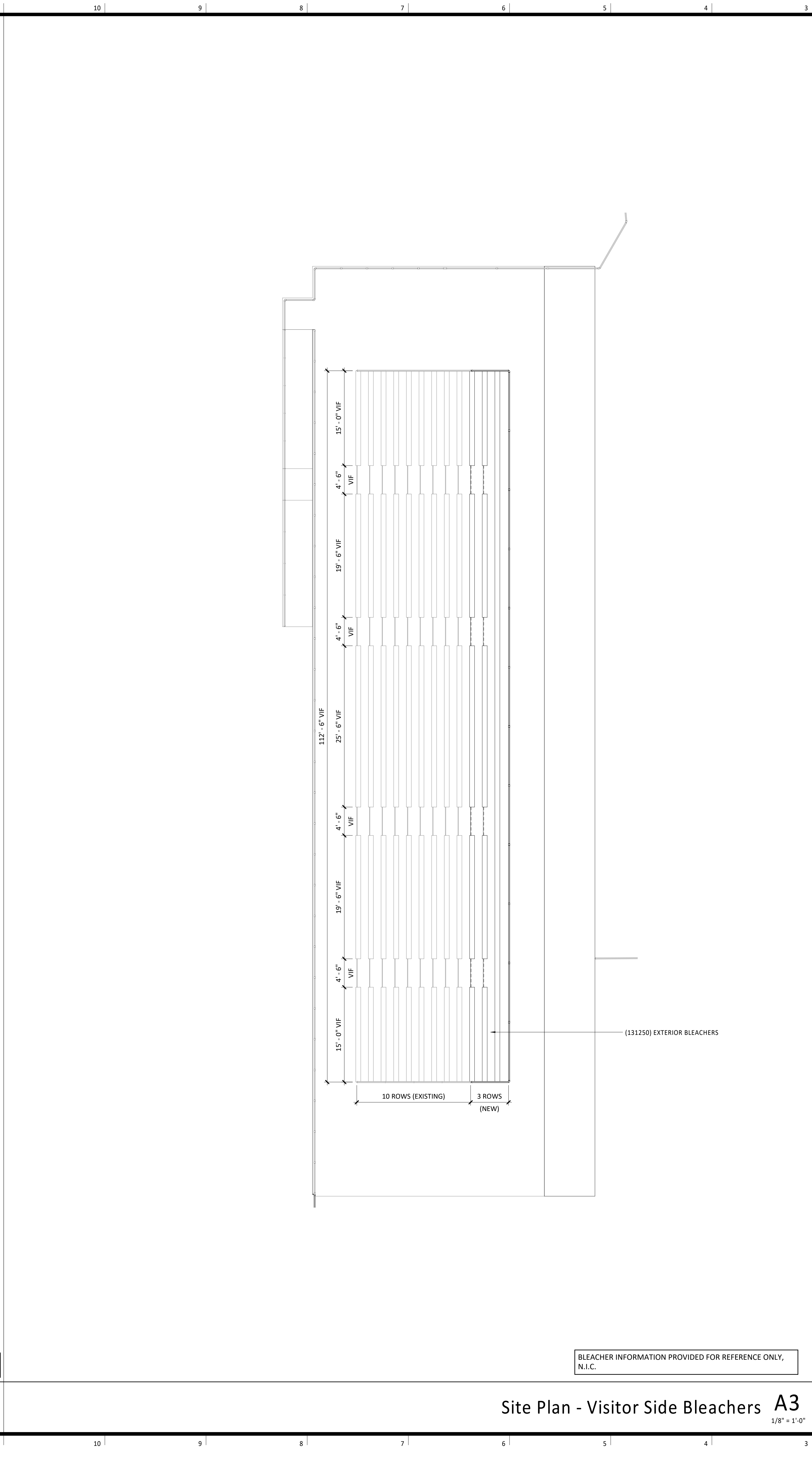
PROJECT NO: 0119-0101
DATE: September 28, 2020

Architectural Site Plan
W-AS001
BID SET



Site Plan - Home Side Bleachers A11

1/8" = 1'-0"



Site Plan - Visitor Side Bleachers A3

1/8" = 1'-0"

- General Notes (Site Plan):
- COORDINATE ALL SPOT ELEVATIONS AND DIMENSIONS WITH CIVIL/LANDSCAPE/STRUCTURAL DRAWINGS
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Missouri License No. 2018022991
Jay Darren Browning
Architect License No. A-2009027279

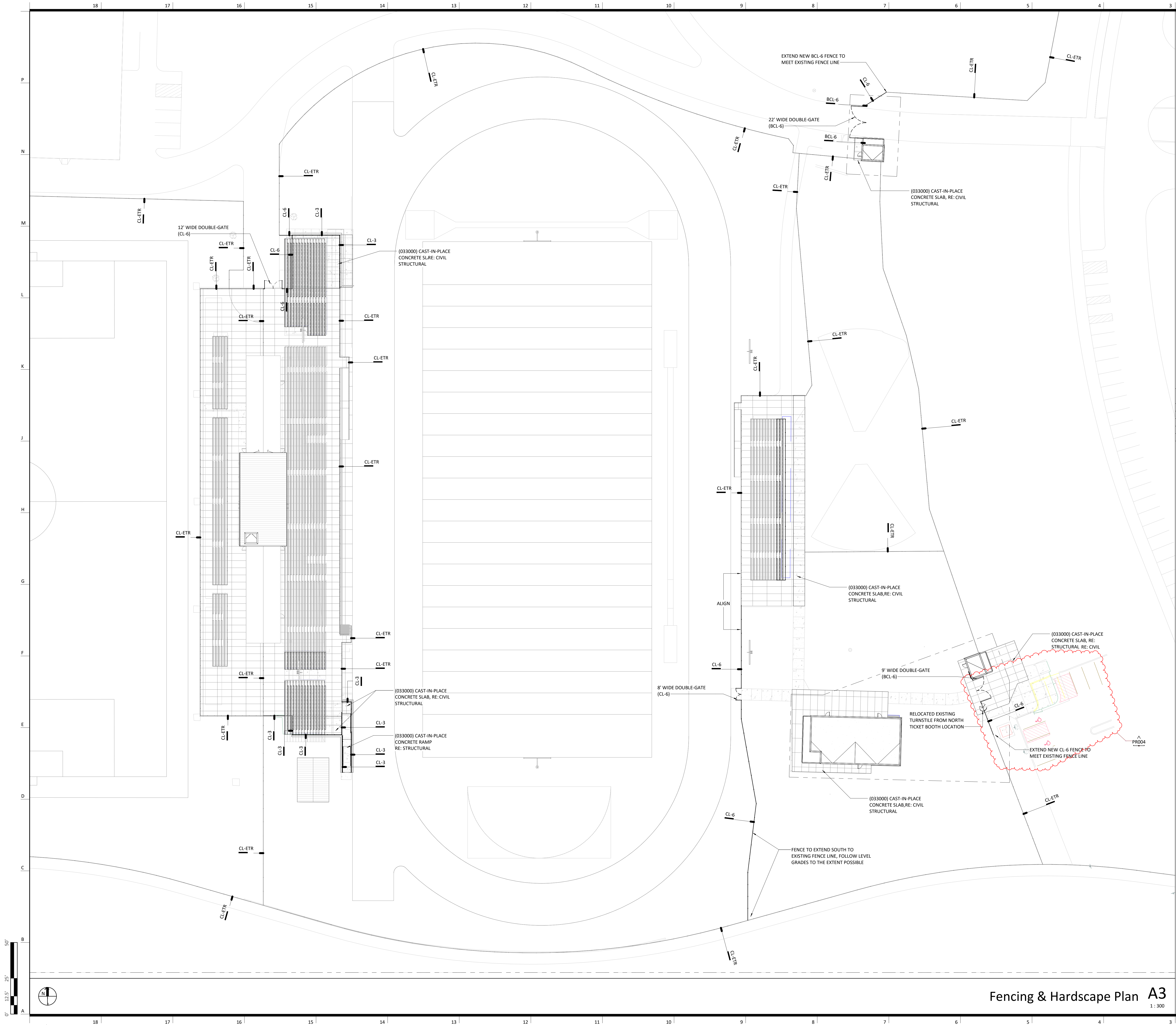
REVISIONS		
Number	DESCRIPTION	DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

Bleacher Plans

W-AS101

BID SET



- General Notes (Site Plan):**
- COORDINATE ALL SPOT ELEVATIONS AND DIMENSIONS WITH CIVIL/LANDSCAPE/STRUCTURAL DRAWINGS
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Fencing Types	
Mark	Type Comments
BCL-6	(323113) Black Vinyl-Coated Chain Link Fence - 6' High
CL-3	(323113) Chain Link Fence - 4' High
CL-6	(323113) Chain Link Fence - 6' High
CL-ETR	(323113) Chain Link Fence (Existing To Remain)

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JAY DARREN BROWNING
ARCHITECT
11.3.20

Architectural Corporation
Missouri License No. 2018022991
Jay Darren Browning
Architect License No. A-2009027279

REVISIONS

Number	DESCRIPTION	DATE
PRODA	Proposal Request ID#A	01/14/2021

PROJECT NO: 0119-0101
DATE: September 28, 2020

Fencing & Hardscape
Plan

W-AS201

BID SET

GENERAL NOTES - STRUCTURAL

1. General Information

- The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work before proceeding.
- The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for on architectural, mechanical, or electrical drawings. In the case of work in an existing building the contractor shall scan existing structure to locate all rebar in the area of the new work/opening using ground penetrating radar and notify the engineer of record for review prior to coring/cutting. Conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction before proceeding.
- All design and construction work for this project shall conform to the requirements of the following governing design codes:
 - International Building Code (IBC 2018) as amended by the city of Lee's Summit, MO
 - Minimum Design Loads for Buildings and Other Structures (ASCE7-16)
 - Specification for Structural Steel Buildings (AISC 360-16)
 - Member Design Basis is Allowable Stress Design (ASD)
 - Connection Design Basis is Allowable Stress Design (ASD)
 - Structural Welding Code (AWS D1.4:2017)
 - Building Code Requirements for Structural Concrete (ACI 318-14)
 - Building Code Requirements for Masonry Structures (ACI 530-13/TMS 402-16)
 - North American Specification for the Design of Cold-Formed Steel Structural Members (AIS 100-16)
 - National Design Specification (NDS) for Wood Construction with 2018 Supplements (ANSI/AWC NDS-2018)
 - Special Design Provisions for Wind and Seismic (AWC SDPWS-2015)These drawings are for this specific project and no use is authorized.

2. Structural Load Design Criteria

- Floor Live = 100 psf
 - Roof Live = 20 psf
 - Snow: Pg = 20psf, Pf = 14psf, Is = 1.0, Ce = 1.0, Ct = 1.0, Drift per ASCE/SEI 7
 - Lateral Loads:
 - Wind: V = 109 mph, Exposure B
Occupancy [Risk] Category II, Iw = 1.0 GCPH++0.18
Design wind pressures to be used for the design of exterior component and cladding materials on the designated zones of wall and roof surfaces shall be per section 30.7 and Table 30.7-2 of ASCE/SEI 7. Tabulated pressures shall be multiplied by effective area reduction factors, exposure adjustment factors, and topographic factors where applicable
 - Seismic: Ss = 0.114, Si = 0.067
Occupancy [Risk] Category II, Iw = 1.0
Site Classification D, Ss = 0.121, Sd1 = 0.107
Seismic Design Category B
Basic Seismic Force-resisting System:
Bearing Wall Systems - Ordinary reinforced masonry shear walls
Equivalent Lateral Force Procedure
R = 2, V = 0.085W, Omega = 2%, Cd = 1%
- This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the International Building Code.

3. Concrete

- All concrete for foundations (walls, grade beams, footings and piers) shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 500 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 6 gallons of water per 100 pounds of cement and not over 4 inches of slump.
- All concrete for interior flatwork (**without floor covering**) shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 525 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5.75 gallons of water per 100 pounds of cement and not over 4 inches of slump. Concrete mix shop drawing shall contain testing data proving concrete design mix shrinkage is less than 0.034% at 28 days when tested according to ASTM C157 (air drying method only).
- All concrete for interior flatwork (**with floor covering**) shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 540 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5.40 gallons of water per 100 pounds of cement and not over 4 inches of slump. Concrete mix shop drawing shall contain testing data proving concrete design mix shrinkage is less than 0.034% at 28 days when tested according to ASTM C157 (air drying method only).
- All concrete for exterior flatwork shall have a minimum design compressive strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump.
- The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved workability.
- The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced.
- Combined aggregate (coarse plus fine) for all concrete shall be well graded from coarsest to finest with no more than 18 percent and not less than 5 percent retained on an individual sieve, except that less than 8 percent may be retained on coarsest sieve and on No. 50 and finer sieves. Submit this gradation report with the concrete mix design shop drawings.
- All interior concrete slabs on grade shall be placed over 15 mil. Class A Vapor Barrier per ASTM E1745 with less than 0.01 perms, tested after mandatory conditioning. All joints shall be lapped and sealed per manufacturer's recommendations. All penetrations, as well as damaged vapor barrier material shall also be sealed per manufacturer's recommendation prior to concrete placement. Install barrier per manufacturer recommended details at all discontinuous edges (at interior columns, exterior edge of slab, etc.) to ensure terms of warranty are followed. The vapor barrier shall be placed over free-draining granular material as prescribed by the product soils.
- All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Any details not shown shall be detailed per ACI 315 and meet requirements of ACI 318, current editions.
- Control joints in dirt formed slab to be as shown on plans. Where not shown, limit controlled areas to not more than 144 square feet, or 12 feet on any side. Slab panel side ratio shall not exceed 1 1/2 to 1.
- Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement.
- Construction joints in beams, slabs, and grade beams shall occur at midspan (middle third) unless noted otherwise. Provide 2 x 4 horizontal keys at construction joints for shear transfer.
- No aluminum items shall be embedded in any concrete.

4. Reinforcing Steel

- All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A185.
- Clear minimum coverage of concrete over reinforcing steel shall be as follows:
 - Concrete placed against earth: 3"
 - Formed concrete against earth: 2"
 - Slabs: 1"
 - Beams or Columns: 1-1/2"
 - Other: 2"All coverage shall be nominal bar diameter minimum.
- All dowels shall be the same size and spacing as adjoining main bars (splice lap 48 bar diameters or 24" minimum unless noted otherwise).
- At corners of all walls, beams, and grade beams supply corner bars (minimum 2-0" in each direction or 48 bar diameters) in outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3- #4 vertical support bars for corners.
- Bars marked continuous and all vertical steel shall be lapped 48 bar diameters (2-0" minimum) at splices and embedments, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise.
- All holes in concrete walls and slabs, add 2- #5 bars (opening dimension plus 86 diameters long) at each of four sides and add 2- #5 x 5-0" diagonally at each of four corners of hole. Openings in 8" thick walls are reinforced similar, but with 1- #5 instead of 2- #5, respectively.
- Unless otherwise covered on architectural plans or specifications, vertical control joints in concrete wall shall be spaced at a maximum of 20'-0" on center and coordinated with the architect. Every other horizontal wall reinforcing bar shall be discontinuous at control joints except heavy top and bottom bars unless noted otherwise. Provide base seal waterstop style number 772 (by Greenstreak Inc. or approved equal) on dirt face side of wall at all walls below grade.
- Accessories shall be as specified in latest edition of the ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-0" on center, and all accessories on exposed surfaces are to have plastic coated feet.
- All slabs and stairs not shown otherwise shall be 6" thick with #4 bars at 12" on center each way. All exterior porches and stoops not otherwise detailed may be constructed in any standard manner, solid or hollow, but must be reinforced with #4 bars at 12" on center each way minimum. Porches shall be dove-tailed to adjacent walls or grade beams with #4 bars at 12" on center, hooked or embedded 48 diameters into both members. Slope porches 1/8" per foot for drainage unless noted otherwise.
- Allow 1/2 ton of reinforcing bars #4 or larger to be used as directed in the field for special conditions by the engineer of record (labor for placing same to be included).

5. Structural Steel

- All structural steel beams and columns shall be ASTM A992, grade 50 steel and all miscellaneous steel shall be ASTM A36 grade steel (except at moment connections where plates shall be ASTM A572, grade 50). Hollow Structural Sections (HSS) shall be ASTM A500, grade B. Fabrication and erection shall be in accordance with AISC 303-05 "Code of Standard Practice for Steel Buildings and Bridges" in the 13th Edition of the AISC Steel Construction Manual.
- All welding shall conform to the recommendations of the AWS.
- All exterior steel and connections, and brick relief angles shall be hot-dip galvanized.
- All bolts not otherwise specified shall be 3/4" diameter high strength (ASTM A325-N). All bolts shall be fully pretensioned. All beam connections shall be designed per the AISC Manual of Steel Construction "Framed Beam Connections" for the indicated reactions shown in the beam shear connection table on sheet H-S300; and, shall account for eccentricity when the bolt line is more than 2" from the center of the support. All connections must be two bolt minimum. Additional connection elements may not be specifically shown in the conceptual details in this set but may be required by the final connection design, such as stiffener plates, doubler plates, supplement/reinforcing plates or other connection material. Connection design and shop drawing preparation shall be completed under the direct supervision of a professional engineer licensed in the state the project is located and shop drawings and connection calculations shall bear his/her seal.
- All anchor bolts shall be 3/4" diameter, ASTM F1554, Grade 36 unless noted otherwise. Washers of minimum size and thickness for the given anchor diameter in Table 14-2 of the AISC Steel Construction Manual shall be provided at every column anchor bolt. Washers shall have a standard size hole for the anchor bolt. All braced frames washers shall be welded all around to the column base plate with 3/16" fillet weld.
- Design, fabrication and erection of all open-web bar joists shall comply with the recommendations of the Steel Joist Institute (SJI). Joists shall be designed to support loads given in the standard load tables of SJI Specs and Tables plus an additional point load of 200 lbs. on the top or bottom chord at any location without additional web reinforcing.
- All K-series joists shall bear 2-1/2" minimum on structural steel beams and be welded to the beams with 1/2" of 1/8" fillet weld each side (minimum).
- All K-series joists bearing on masonry walls shall have 6" x 3/8" x 6" bearing plates set in bond beams. Bearing plates shall be located not more than 1/2" from the face of the wall on the bearing side. Joists shall bear 4" minimum on bearing plates and be welded to beams or bearing plates with 1-1/2" of 1/8" fillet weld each side (minimum).
- All steel joists shall have horizontal bar or angle bridging per Steel Joist Institute Specifications. Provide rigid x-bracing in addition to and matching horizontal bridging where joists are discontinuous unless horizontal bridging is anchored to wall top and bottom. Joist sweep allowance shall comply with AISC Standard Practice.
- Steel joists shall be designed for uplift per Components & Cladding Roof Uplift Pressures Table on this sheet.
- All openings in steel joist roof to have 3x3x1/4 angle frame set between joists. Support mechanical equipment with 4x4x5/16 angles laid between joists framed to 4x4x5/16 angles (length equals mechanical unit dimension plus distance each end to next panel point) laid parallel to and welded to top and bottom chord of joists to distribute load to joist panel points.
- All steel joists shall have a midspan camber approximately equal to that recommended by the Steel Joist Institute Specifications.
- Design and installation of steel decking shall comply with the recommendations of the Steel Deck Institute (SDI). All decking shall be galvanized unless noted otherwise.
- Allow 10 tons structural steel to be used as directed in field for special conditions by the engineer of record. Cost for shop drawings, fabrication, delivery, detailing, and erection to be included. 50% of structural steel allowance shall be bid as miscellaneous galvanized angle and plate.

6. Post Installed Anchors

- Post-installed anchors shall be used only where specified on the drawings unless approved in writing by the engineer of record. See drawings for anchor diameter, spacing and embedment. Performance values of the anchors shall be obtained for specified products using appropriate design procedures and/or standards as required by the governing building code. Anchors installed in concrete shall have an ICC-ES Evaluation Service Report. Special inspection is required for all post installed anchors. The contractor shall coordinate an on-site meeting with the post installed anchor manufacturer field representative to educate the construction team on the anchor installation guidelines and requirements.
- Mechanical anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ACI 308.2 and ICC-ES AC108. All anchors shall be installed per the anchor manufacturer's written instructions.
- Adhesive anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance with ICC-ES AC308. All anchors shall be installed per the anchor manufacturer's written instructions.
- Mechanical anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES AC101. All anchors shall be installed per the anchor manufacturer's written instructions.
- Adhesive anchors used in solid grouted masonry shall have been tested and qualified for use in accordance with ICC-ES AC58. All anchors shall be installed per the anchor manufacturer's written instructions.
- Anchors used in hollow concrete shall have been tested and qualified in accordance with ICC-ES AC106 or ICC-ES AC58 as appropriate. All anchors shall be installed per the anchor manufacturer's written instructions with appropriate screen tubes used for adhesive.

7. Foundations

- The soil investigation was prepared by CFS Engineers, the report numbers are 10-21227, and the telephone number is 913-827-9040.
- Spread footings, grade beams, and retaining walls at the existing home pressbox are designed to bear on engineered fill or undisturbed soil capable of sustaining 3000 psf. Spread footings, grade beams, and retaining walls at all other locations are designed to bear on engineered fill or undisturbed soil capable of sustaining 2500 psf.
- Retaining walls are designed for an active lateral load of 55 psf equivalent fluid pressure.
- Contractor shall provide for dewatering at excavations from either surface water or seepage.
- All foundation excavations shall be inspected by a qualified soil engineer, approved by the architect and/or structural engineer, prior to placement of steel or concrete. This inspection shall be at the owner's expense.
- All concrete in the structural portion retaining the backfill shall have attained its design strength prior to being backfilled.
- Moisture content in soils beneath building foundations should not be allowed to change after footing excavations and after grading for slabs on grade are completed. If subgrade materials become desiccated or softened by water or other conditions, recompact materials to the density and water content specified for engineered fill. Do not place concrete on frozen ground.

8. Concrete Masonry Units

- Concrete block used in exterior walls or load bearing walls shall meet the requirements of ASTM C90 and have a minimum net compressive strength of 2650 psi and laid up using type N mortar such that Ft equals 2000 psi. Mortar shall be volume proportion based cement line mortar. Proportioning shall be completed by box measure. Any block with contact with earth shall be nominal weight units, laid using type "S" mortar and grouted solid.
- The contractor shall provide adequate temporary bracing for all masonry walls during construction.
- All concrete block shall have 9 gage (or larger) horizontal joint reinforcing (ladder or truss) per architectural drawings and specifications (16" maximum vertical spacing).
- Cavity wall construction shall be reinforced as designed for specific concrete block used. The horizontal joint reinforcing shall be of the ladder or truss style per specification and continuous between brick and block, as prescribed by the architectural drawings.
- Concrete block shall be reinforced as indicated on Sheet H-S302.
- Grout, where noted above, shall have a minimum design ultimate compressive strength of 2500 psi at 28 day test and 3/8" maximum aggregate size.
- Non-load bearing concrete block walls shall be isolated from adjacent structural elements with vertical 3/8" control joints and at the top of the wall with 1" air space or compressible material and support per architectural detail.
- Unless otherwise covered on architectural plans or specifications, vertical control joints in masonry construction shall be 3/8" wide, full height of wall. Joints shall be spaced at a maximum of 24'-0" on center and coordinated with the architect. All horizontal joint reinforcing shall be discontinuous at control joints in masonry. All bond beam horizontal reinforcing shall be continuous through control joints.
- Lintels over all openings up to 8'-0" wide in new and existing masonry walls not otherwise covered shall be one 6x3 1/2x5/16 angle for each 4' width of masonry.
- All exterior lintels to be galvanized.
- Walls shall be anchored top and bottom by dowels matching wall vertical reinforcing (unless noted otherwise) from floor slab bottom and bracing angles at the top, per details on the drawings.

- All load bearing, light gage structural studs, track, and purlins shall be of the type, size, gage, and spacing as shown on the plans, minimum.
- All materials shall be 33,000 psi minimum yield, except studs of 16 gage or less shall be 33,000 psi minimum yield.
- All properties, fabrication, and erection shall be in accordance with latest editions of the AISI "Specifications for the Design of Cold-Formed Structural Members."
- All framing components shall be cut squarely or at an angle to fit squarely against abutting members. Splicing of axially loaded members is not permitted. Members shall be held firmly in place until properly fastened. Attachments of similar framing components shall be welded, screw attachments, or bolted. Wire tying of components is not permitted.
- Tracks shall be securely anchored to floor and overhead members. Special anchorage requirements required for wind bracing shall be as shown on the plans.
- Prior to fabrication and/or erection, the contractor shall submit shop drawings complete with detail of erection, fabrication, attachments, anchorages, lintels, etc., for review by the engineer.

10. Shop Drawing Review

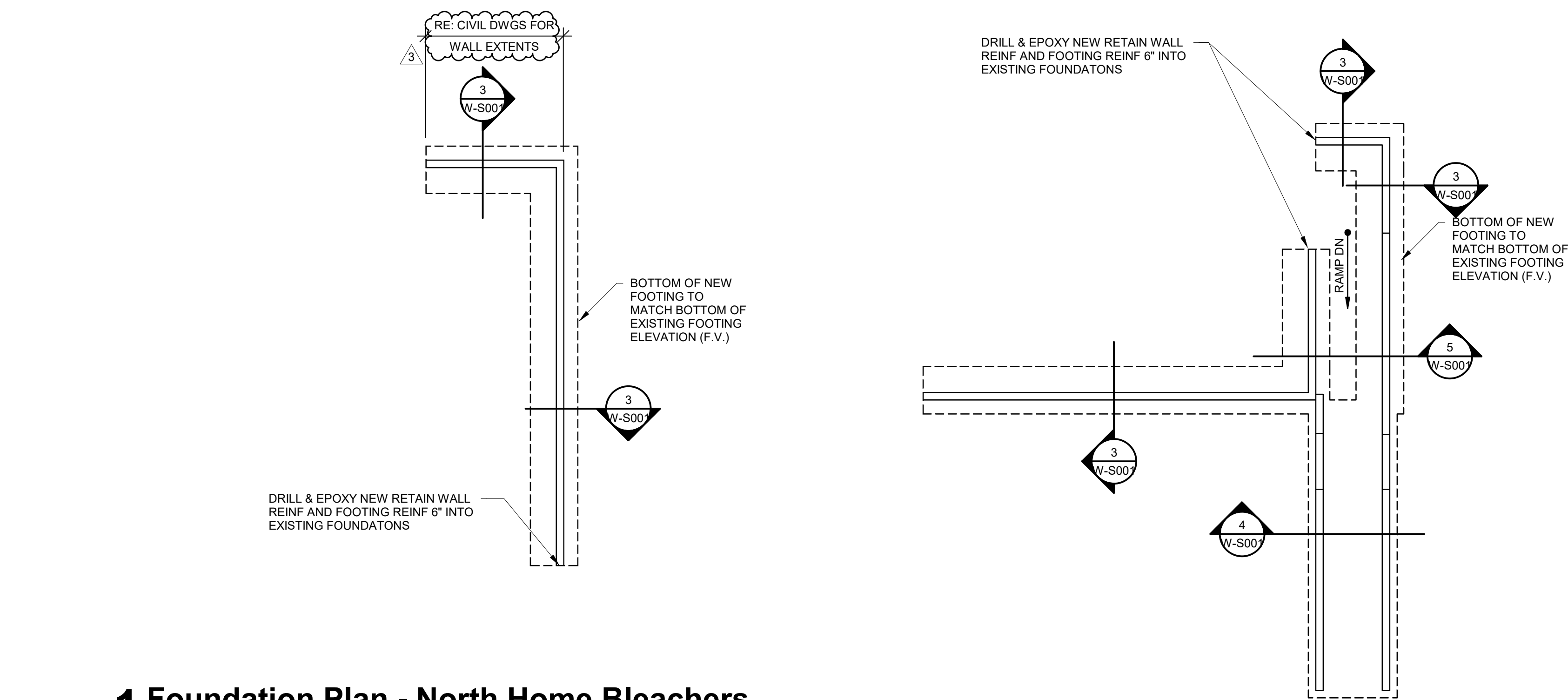
- Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company, Inc.
- Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall:
 - Review each submittal for conformance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC.
 - Review and approve each submittal.
 - Stamp each submittal as approved.
- Bob D. Campbell and Company, Inc. shall assume that no submittal comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation.
- Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that such submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submittals without GC approval stamp.
- Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to prepare the review, Bob D. Campbell and Company, Inc. shall so notify the GC.
 - Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement.
 - Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities.
 - Elevations of all reinforced concrete masonry walls at a scale no smaller than 3/8" = 1'-0" showing all required reinforcing.
 - Grout mix designs (for CMU).
 - Construction and control joint plans and/or elevations.
 - Structural steel shop drawings including erection drawings and bending details. Include joist, decking and component submittals. Include miscellaneous framing specified on the structural drawings, but do not submit framing specified on non-structural drawings for Bob D. Campbell and Company, Inc. review.
 - Structural steel connection design calculations submitted concurrently with structural steel shop drawings.
 - Miscellaneous anchors shown on the structural drawings.
 - Standard details and bridging information for light gage metal framing. Erection plans and details for light gage metal joists and lintels spanning more than 6'-0" shall be submitted. Standard wall framing need not be submitted.

11. Statement of Structural Special Inspections

- The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the International Building Code. The owner shall employ one or more qualified special inspectors to provide the required special inspections.
- The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person.
- All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority, building official and structural engineer.
- The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the building code.
- The following inspections and tests are required with the frequency (continuous or periodic) as defined within the referenced section or standard listed below. The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and provide access for those inspections.
 - Shop Fabrication - structural steel and steel bar joist per Section 1704.2.5 unless AISC certified shop
 - Shop Fabrication - pre-engineered wood trusses per Section 1704.2.5 unless TPI certified shop
 - Steel Construction per Section 1705.2 and the quality assurance requirements of AISC 341 Chapter J (as referenced by AISC 360)
 - Cold-Formed Steel Deck per Section 1705.2 and the quality assurance requirements of SDI Q/A/C.
 - Concrete Construction per Section 1705.3 and Table 1705.3
 - Reinforcing Steel Placement
 - Reinforcing Steel Welding
 - Cast in Place Anchors
 - Post Installed Anchors
 - Design Mix Verification
 - Concrete Sampling and Testing
 - Concrete Placement
 - Concrete Curing
 - Masonry Construction per Section 1705.4 and the quality assurance requirements of TMS 402/ACI 530/ASCE 5 and TMS 602/A530.1/ASCE 6 [Level B]

12. Copyright and Disclaimer

- All drawings in the structural set (S-series drawings) are the copyrighted work of Bob D. Campbell and company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding, and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner.
- Richard C. Crabtree, P.E., registered engineer and a representative of Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of S-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.

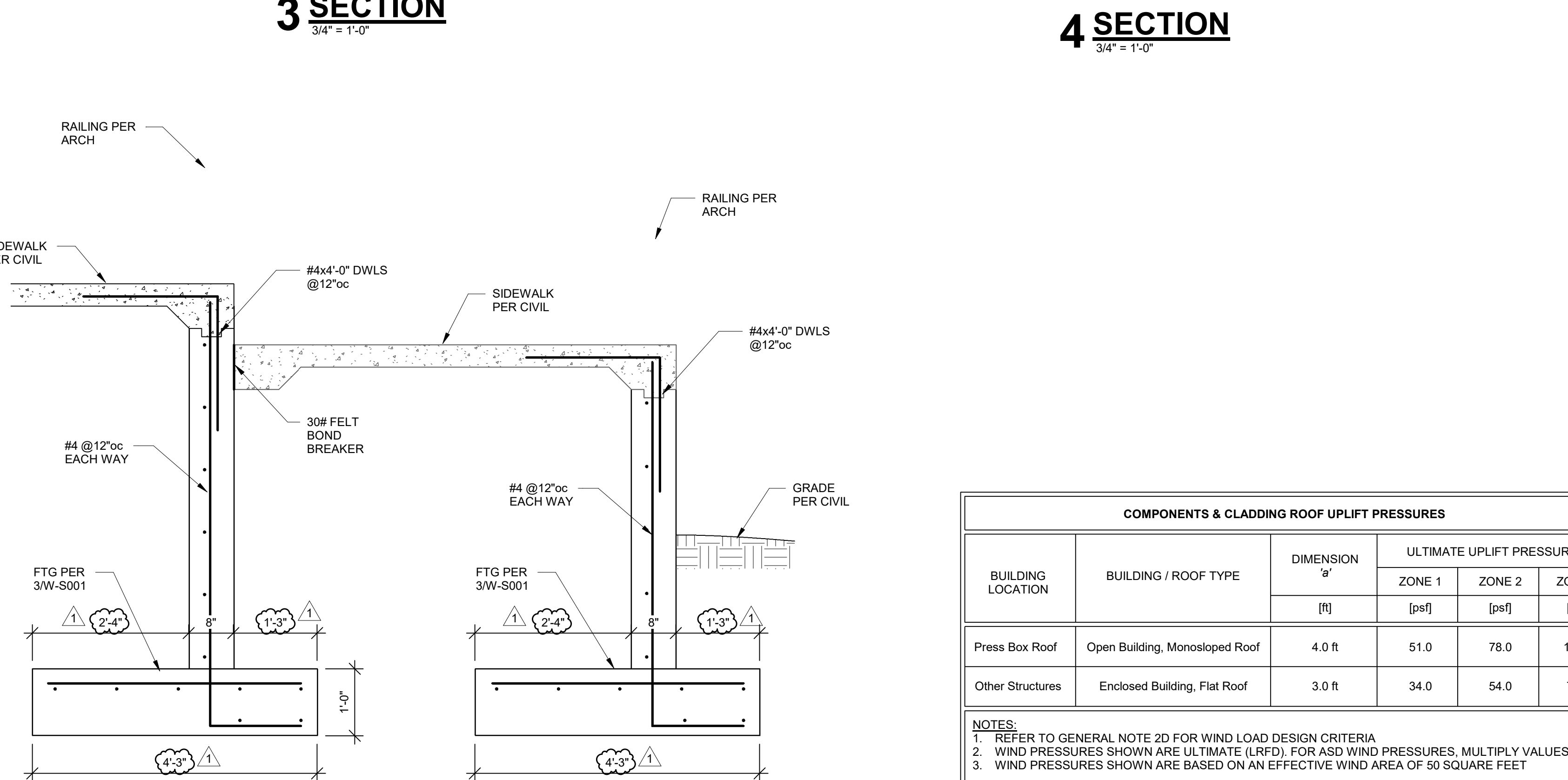
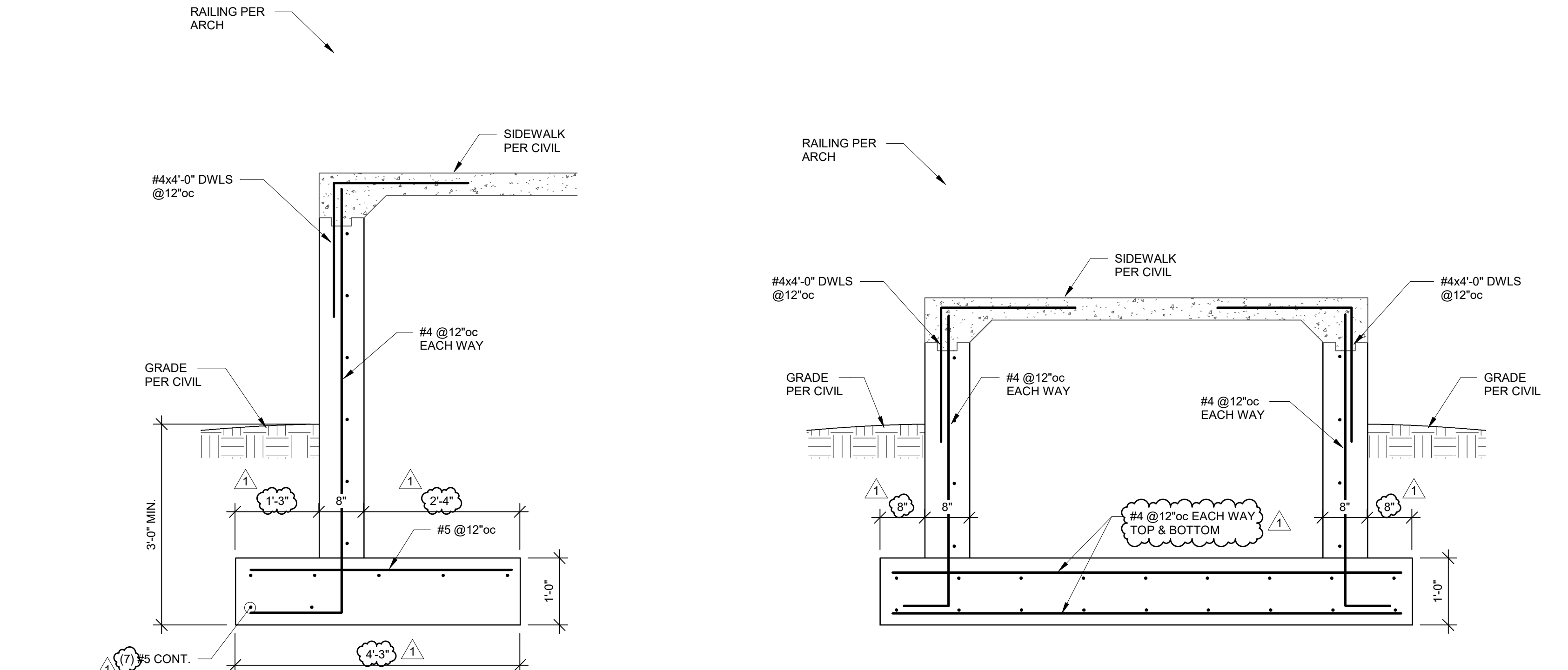


1 Foundation Plan - North Home Bleachers

- 18" = 1'-0"
NOTES:
1. REFER TO GENERAL NOTES ON SHEET S001.

2 Foundation Plan - South Home Bleachers

- 18" = 1'-0"
NOTES:
1. REFER TO GENERAL NOTES ON SHEET S001.



COMPONENTS & CLADDING ROOF UPLIFT PRESSURES					
BUILDING LOCATION	BUILDING / ROOF TYPE	DIMENSION ft	ULTIMATE UPLIFT PRESSURE		
			ZONE 1	ZONE 2	ZONE 3
		[ft]	[psf]	[psf]	[psf]
Press Box Roof	Open Building, Monosloped Roof	4.0 ft	51.0	78.0	102.0
Other Structures	Enclosed Building, Flat Roof	3.0 ft	34.0	54.0	73.0

NOTES:
1. REFER TO GENERAL NOTE 2D FOR WIND LOAD DESIGN CRITERIA
2. WIND PRESSURES SHOWN ARE ULTIMATE (LRFD). FOR ASD WIND PRESSURES, MULTIPLY VALUES BY 0.6
3. WIND PRESSURES SHOWN ARE BASED ON AN EFFECTIVE WIND AREA OF 50 SQUARE FEET

Lee's Summit R7 District Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R7 School District
301 NE Tudor Road
Lee's Summit, MO 6408

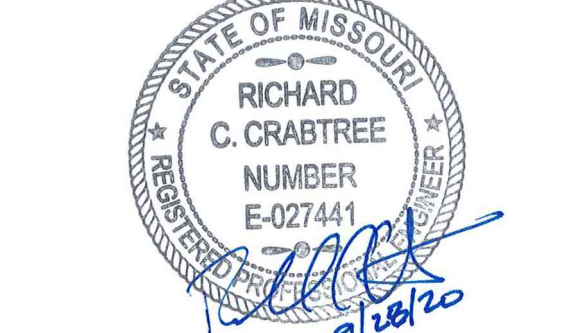
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913.485.0318

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Richard C. Crabtree
Engineer
Date: 09/28/2020
License No. E-074241

REVISIONS			
Number	DESCRIPTION	DATE	
1	ADD	10.26.2020	
2	ADD	10.26.2020	

PROJECT NO: 0119-0101
DATE: September 28, 2020

General Notes & Site Foundation Plans

W-S001

Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 6408

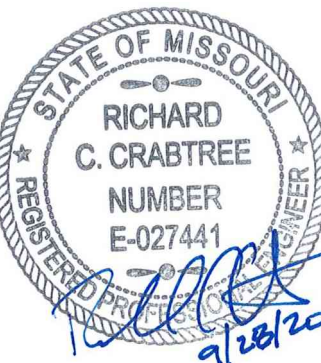
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REVISIONS

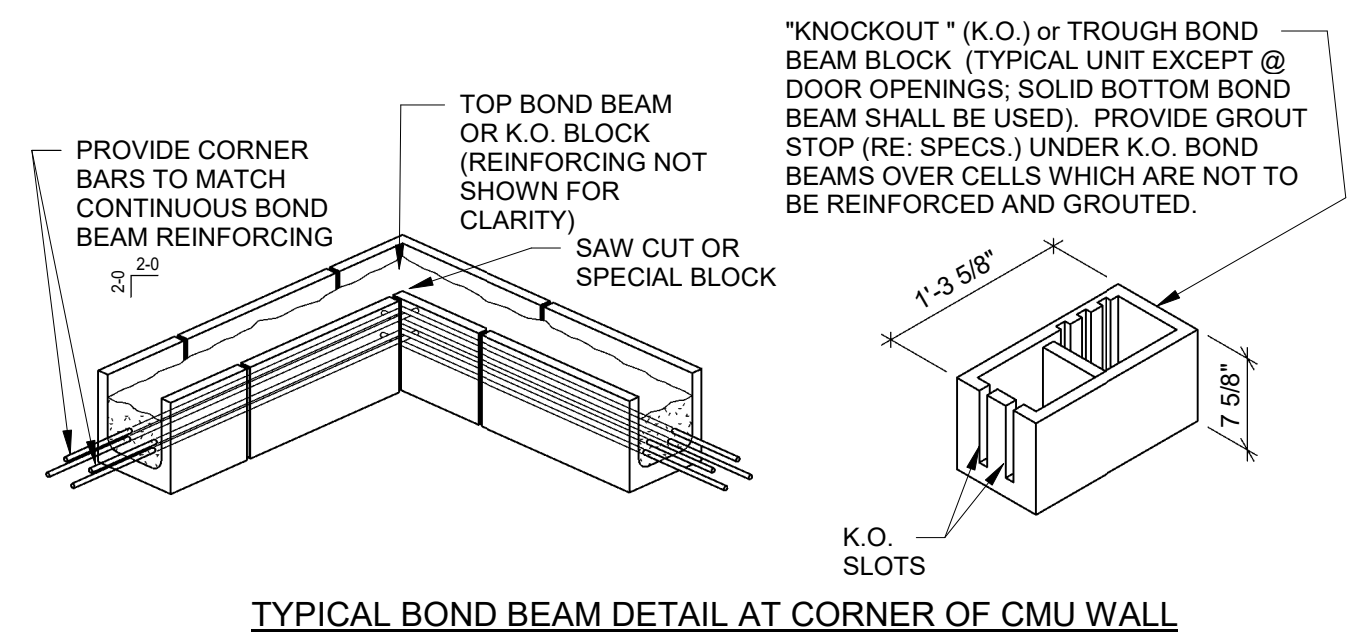
Number DESCRIPTION DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

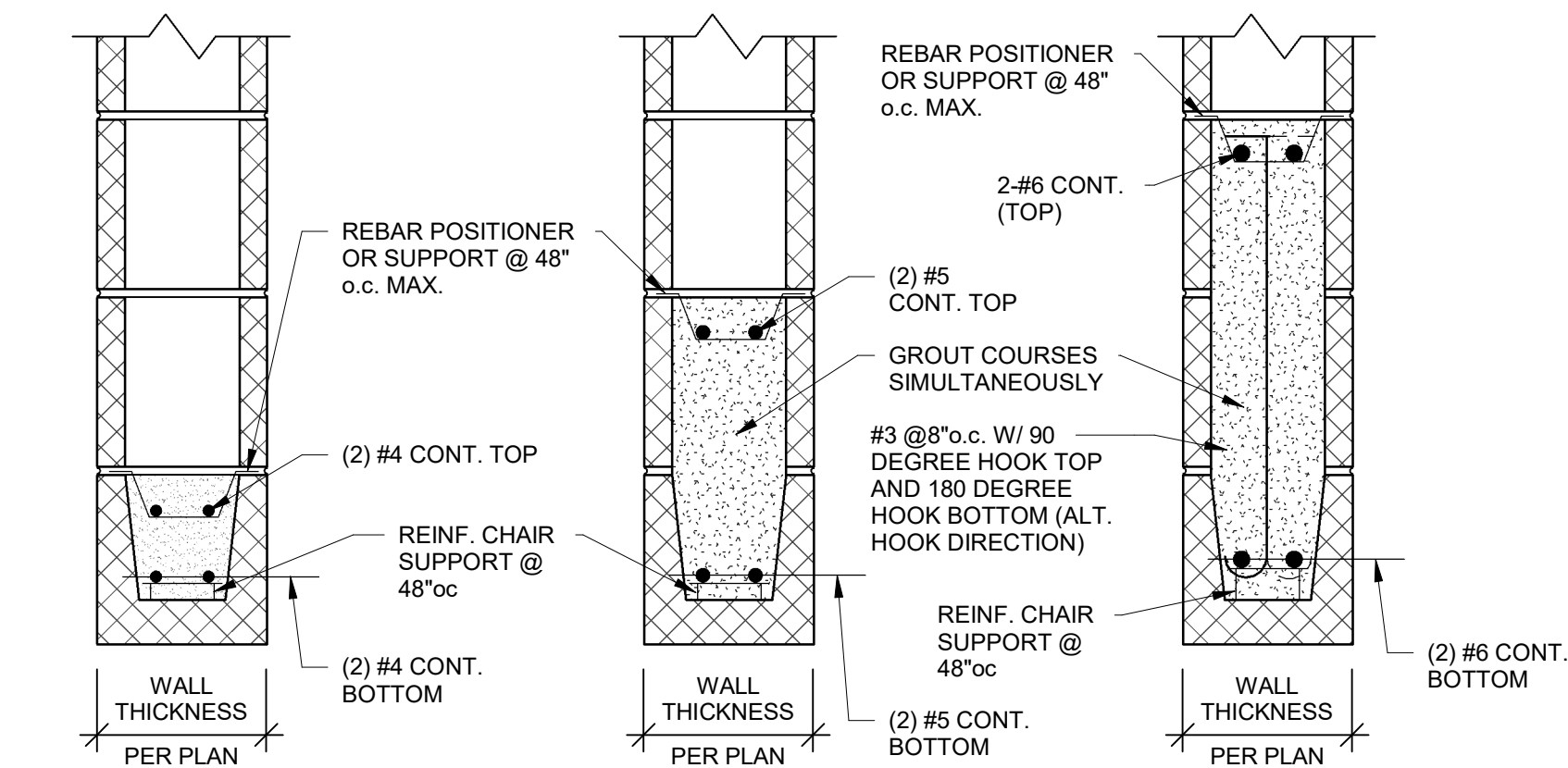
CMU Details

W-S002

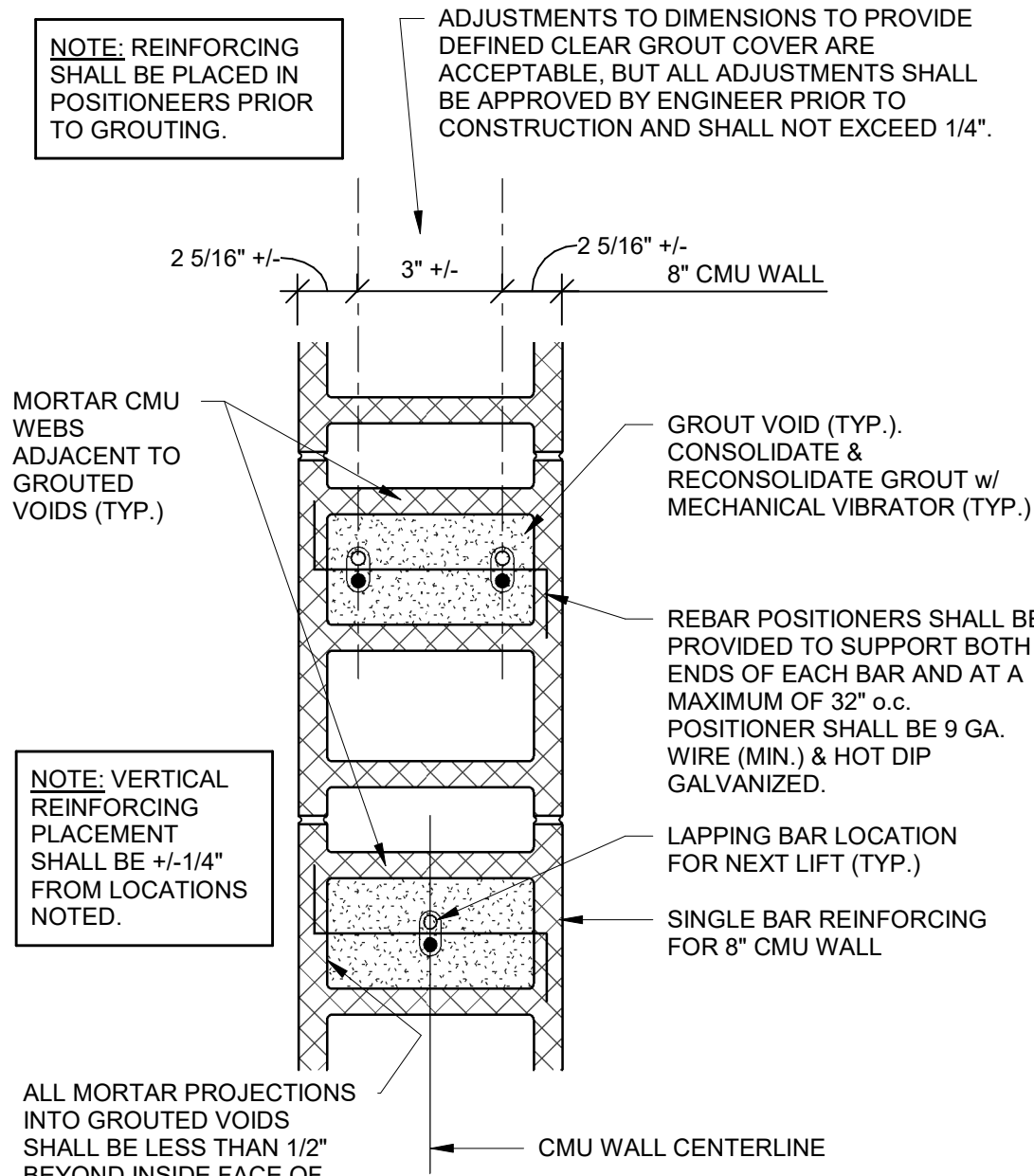
BID SET



D DETAIL
3/4" = 1'-0"

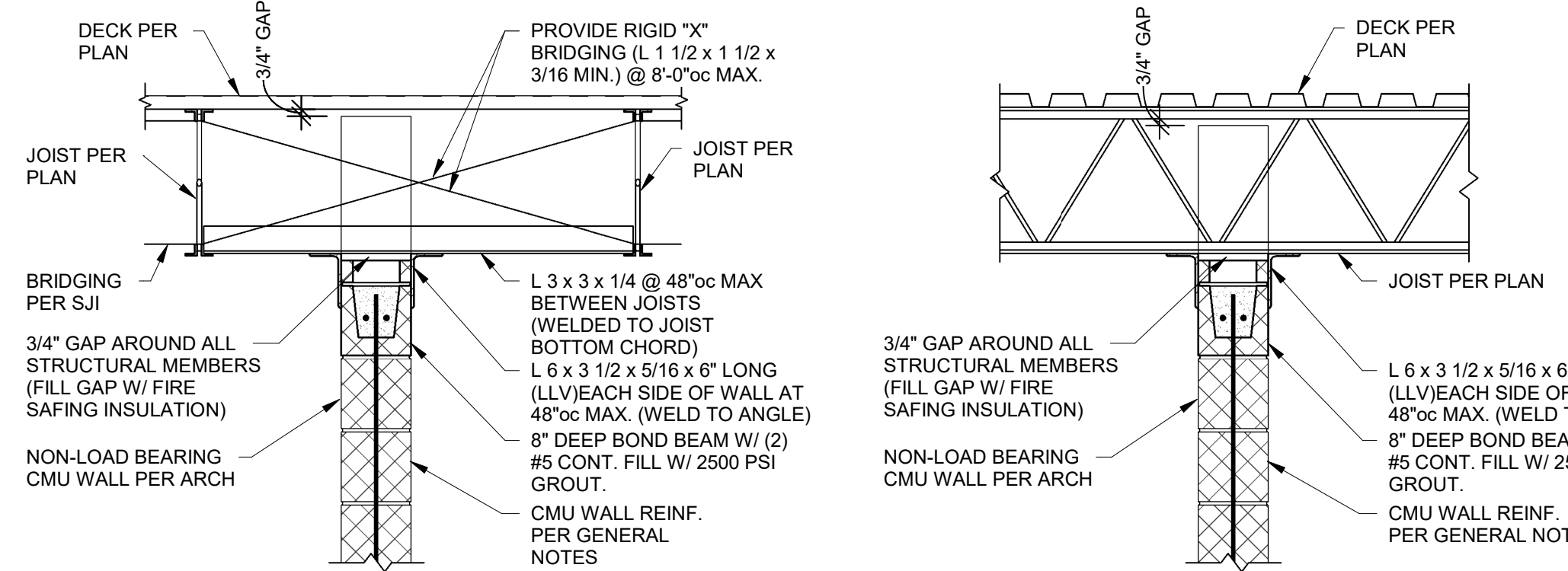


C SECTION
1 1/2\"/>



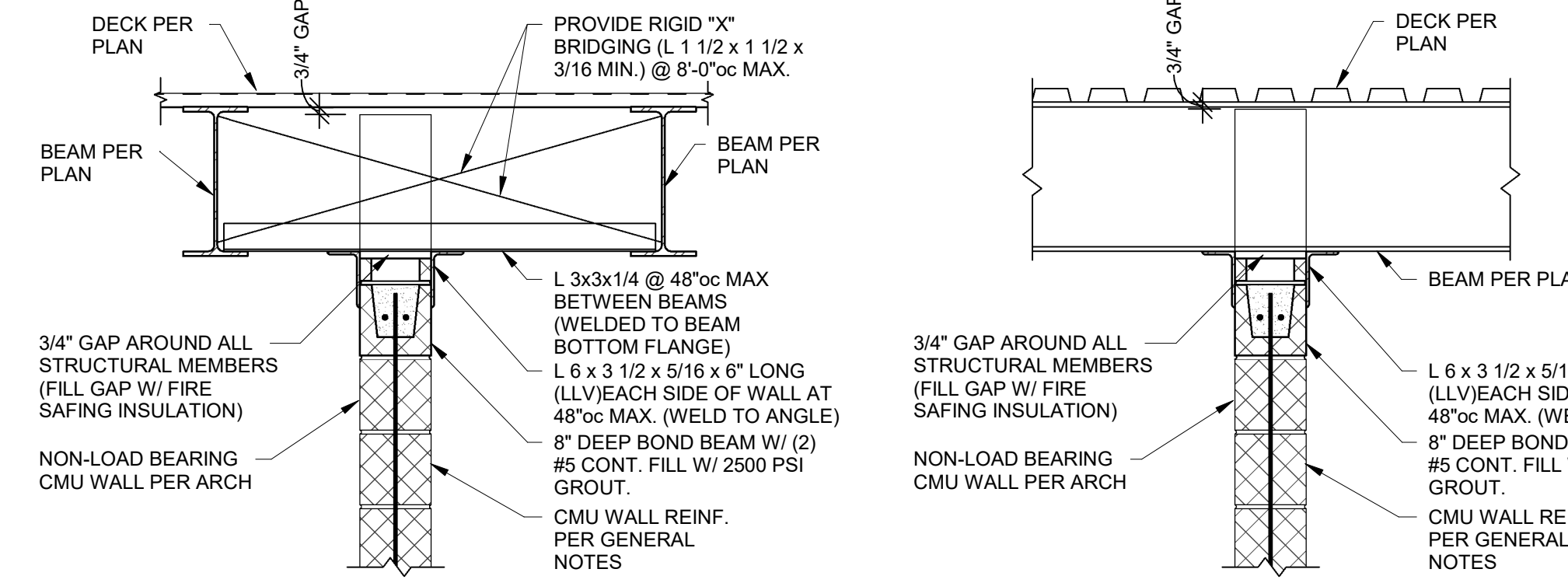
Typical Rebar Positioning Detail

B SECTION
1 1/2\"/>



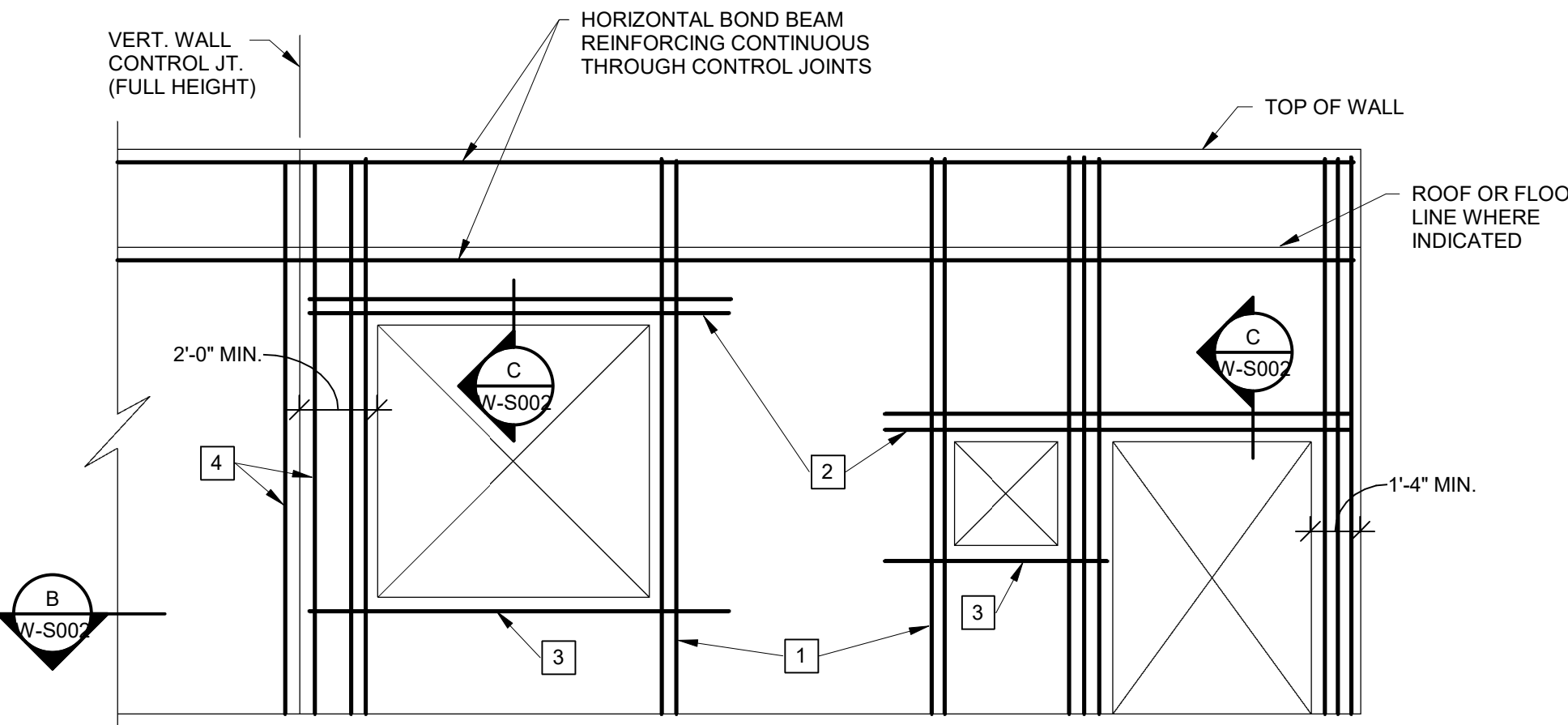
WALL PARALLEL TO JOIST
TYPICAL BRACING DETAILS FOR NON-LOAD-BEARING CMU WALLS THAT EXTEND TO DECK
(REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION)

WALL PERPENDICULAR TO JOIST
TYPICAL BRACING DETAILS FOR NON-LOAD-BEARING CMU WALLS THAT EXTEND TO DECK
(REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION)



WALL PARALLEL TO JOIST
TYPICAL BRACING DETAILS FOR NON-LOAD-BEARING CMU WALLS THAT EXTEND TO DECK
(REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION)

WALL PERPENDICULAR TO JOIST
TYPICAL BRACING DETAILS FOR NON-LOAD-BEARING CMU WALLS THAT EXTEND TO DECK
(REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION)



Typical CMU Wall Reinforcing at Openings

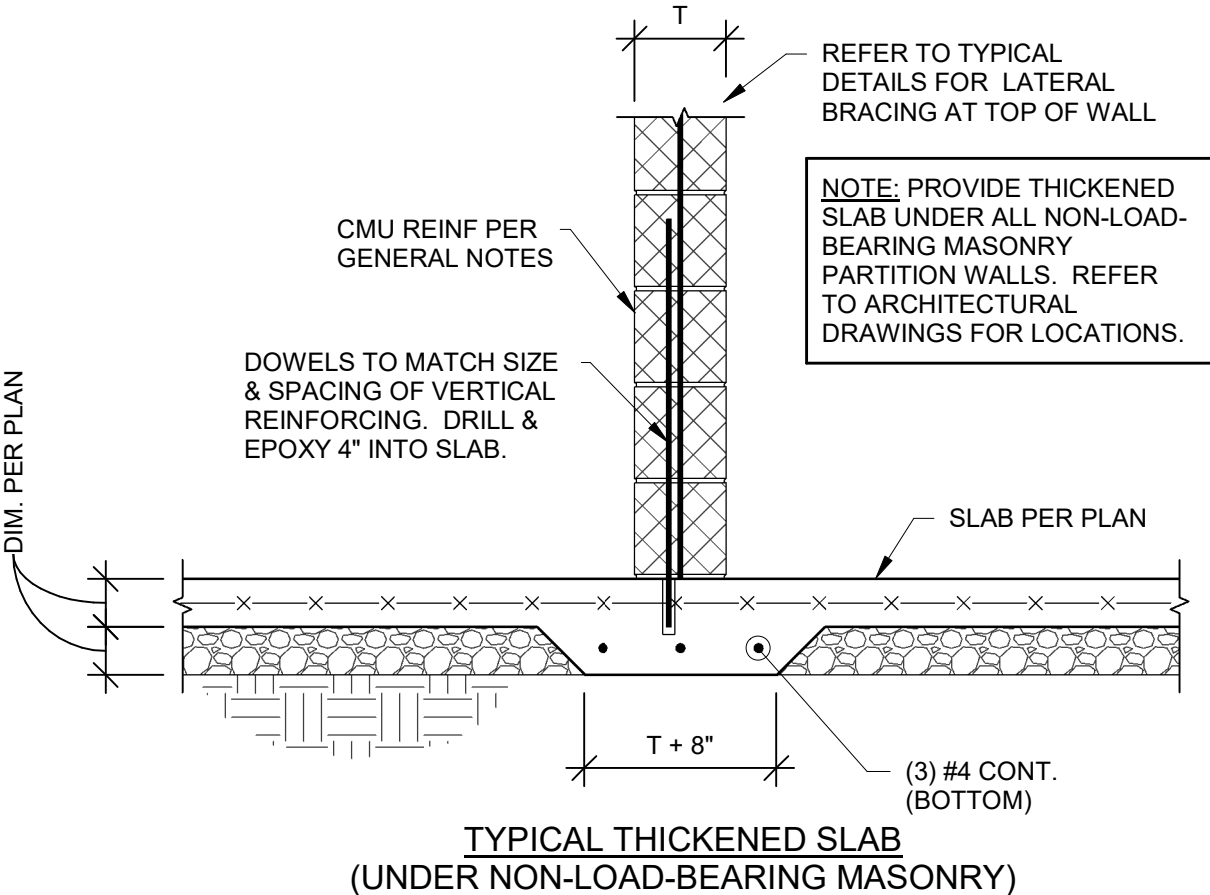
- LEGEND:
- FULL HEIGHT VERTICAL BARS AS JAMB REINFORCING IN FIRST 2 CELLS ADJACENT TO OPENING. REINFORCE EACH CELL WITH SIZE & QUANTITY OF BAR TO MATCH WALL REINFORCING (1 BAR TYPICAL IN 8" WALLS AND 2 BARS TYPICAL IN 12" WALLS).
 - LINTEL REINFORCING PER SECTION C. EXTEND 2'-0" PAST EDGE OF OPENING ON EACH SIDE (TYPICAL).
 - 2-#5 CONTINUOUS HORIZONTAL BARS AS SILL REINFORCING IN 8" COURSE BELOW OPENING (U.N.O.). EXTEND 2'-0" PAST EDGE OF OPENING ON EACH SIDE (TYPICAL).
 - FULL HEIGHT VERTICAL BARS PER MASONRY VERTICAL REINFORCING SCHEDULE LOCATED IN END CELL AT EACH SIDE OF VERTICAL WALL CONTROL JOINTS.

GENERAL CRITERIA: (SECTION A CONTINUED):

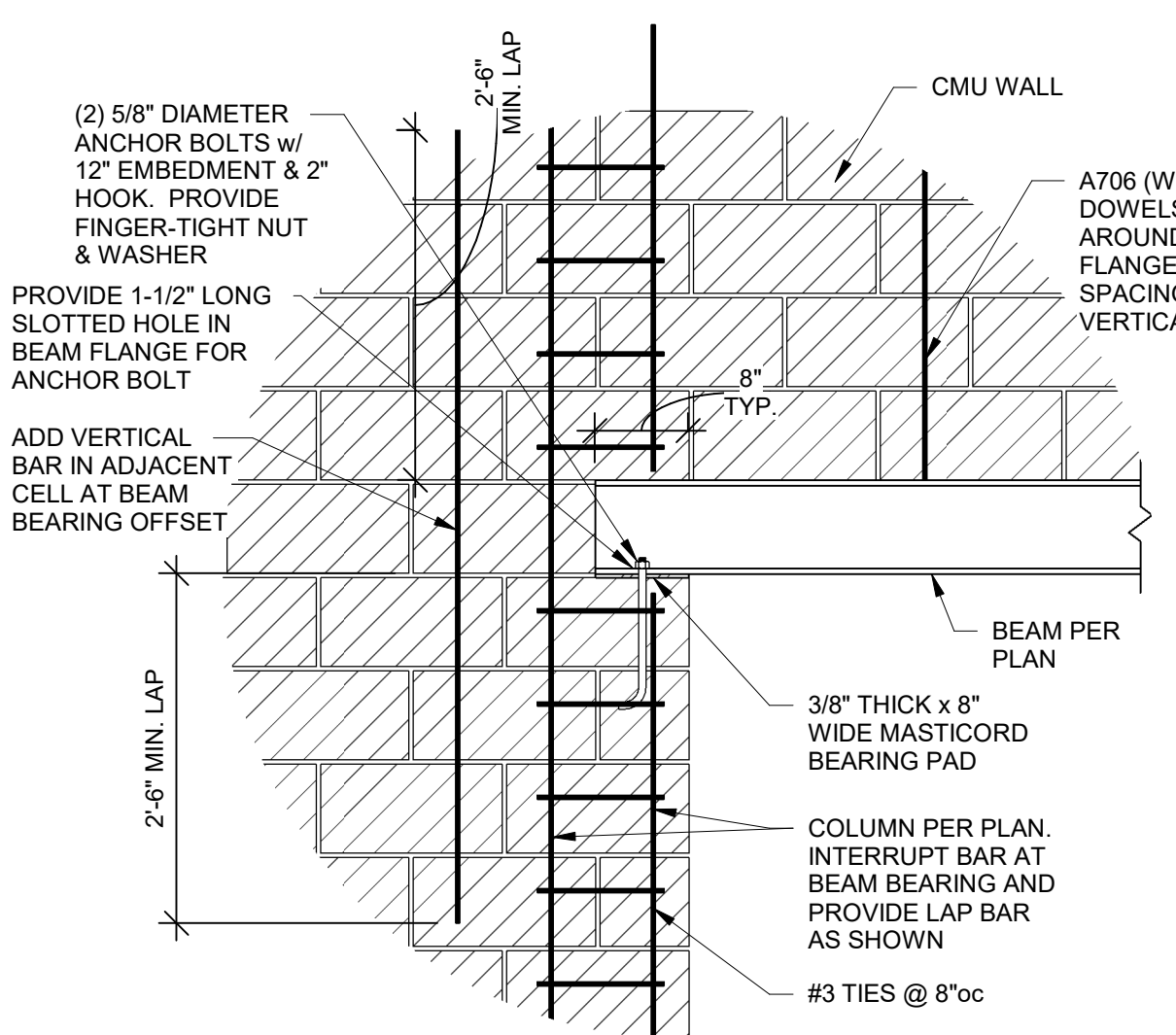
- VERTICAL REINFORCING BARS SHALL BE DOWELED TO FOUNDATION WITH A DOWEL OF MATCHING SIZE AND SPACING.
- CONTRACTOR SHALL COORDINATE AND VERIFY OPENINGS IN MASONRY WALLS. OPENINGS SHALL BE DETAILED ON REINFORCING STEEL SHOP DRAWING ELEVATIONS.
- VERTICAL CONTROL JOINTS IN MASONRY WALLS SHALL BE 30" WIDE. FULL HEIGHT OF WALL. JOINTS SHALL BE SPACED AT A MAXIMUM OF 24'-0" ON CENTER AND NOT LESS THAN 2'-0" FROM THE EDGE OF ANY OPENING. ALL HORIZONTAL JOINT REINFORCING SHALL BE DISCONTINUOUS AT CONTROL JOINTS. ALL BOND BEAM HORIZONTAL REINFORCING SHALL BE CONTINUOUS THROUGH CONTROL JOINTS. CONTRACTOR SHALL COORDINATE AND VERIFY ALL CONTROL JOINT LOCATIONS.

MASONRY VERTICAL REINFORCING SCHEDULE FOR LOAD BEARING MASONRY (CMU) WALLS			
WALL THICKNESS	LOCATION	VERTICAL REINF. (IN GROUTED CELLS)	SPACING
8"	ALL 8" WALLS (U.N.O.)	1-#5	32"oc
12"	ALL 12" WALLS (U.N.O.)	PER SECTIONS	
NOTES:			
1. IN ADDITION TO SPACING SHOWN IN SCHEDULE, VERTICAL REINFORCING SHALL BE PROVIDED IN GROUTED CELLS AT THE FOLLOWING LOCATIONS			
A) IN THE FIRST 2 CELLS ADJACENT TO EACH OPENING			
B) IN THE END CELLS ON EACH SIDE OF VERTICAL CONTROL JOINTS			
C) IN THE END CELLS OF EACH LENGTH OF WALL			
D) AT EACH CORNER OF WALLS			
E) UNDER BEAM BEARING PER 5/W-S002			
2. IN 12" CMU, ALL MASONRY VOIDS AND BOND BEAMS TO BE GROUTED SHALL BE FREE OF DEBRIS AND MORTAR DROPPINGS PRIOR TO GROUTING. ANY MASONRY W/ DROPPINGS OR DEBRIS OBSERVED IN VOIDS SHALL BE REJECTED.			

A CMU WALL ELEVATION
1 1/2\"/>

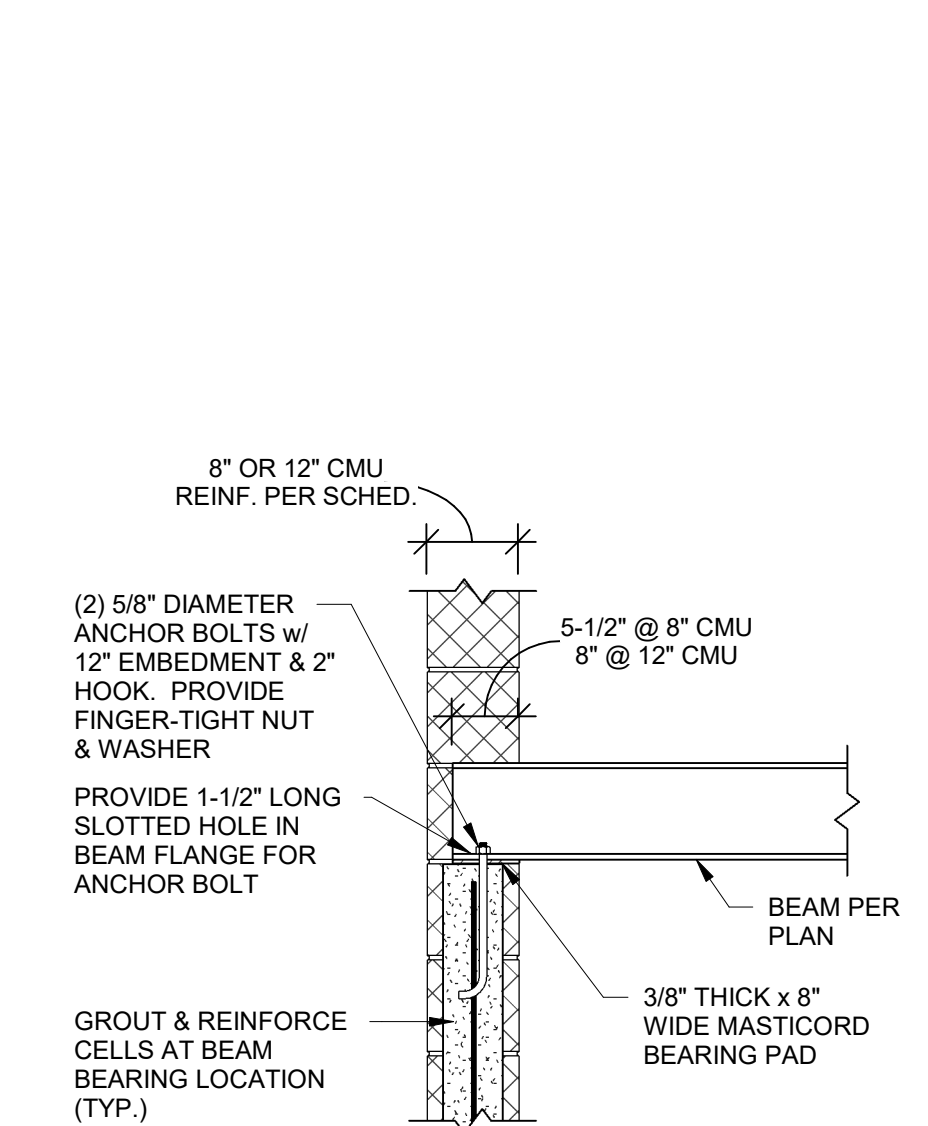


3 SECTION
3/4\"/>



Typical Steel Lintel Detail at CMU Wall

4 SECTION
3/4\"/>



Typical Wide Flange Beam Bearing on CMU (U.N.O.)

5 SECTION
3/4\"/>

Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 6408

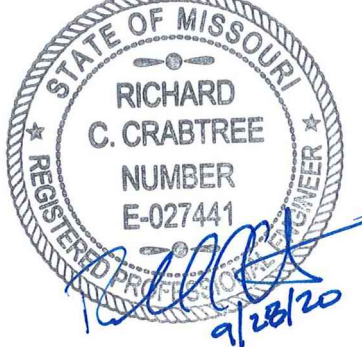
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structural engineer:
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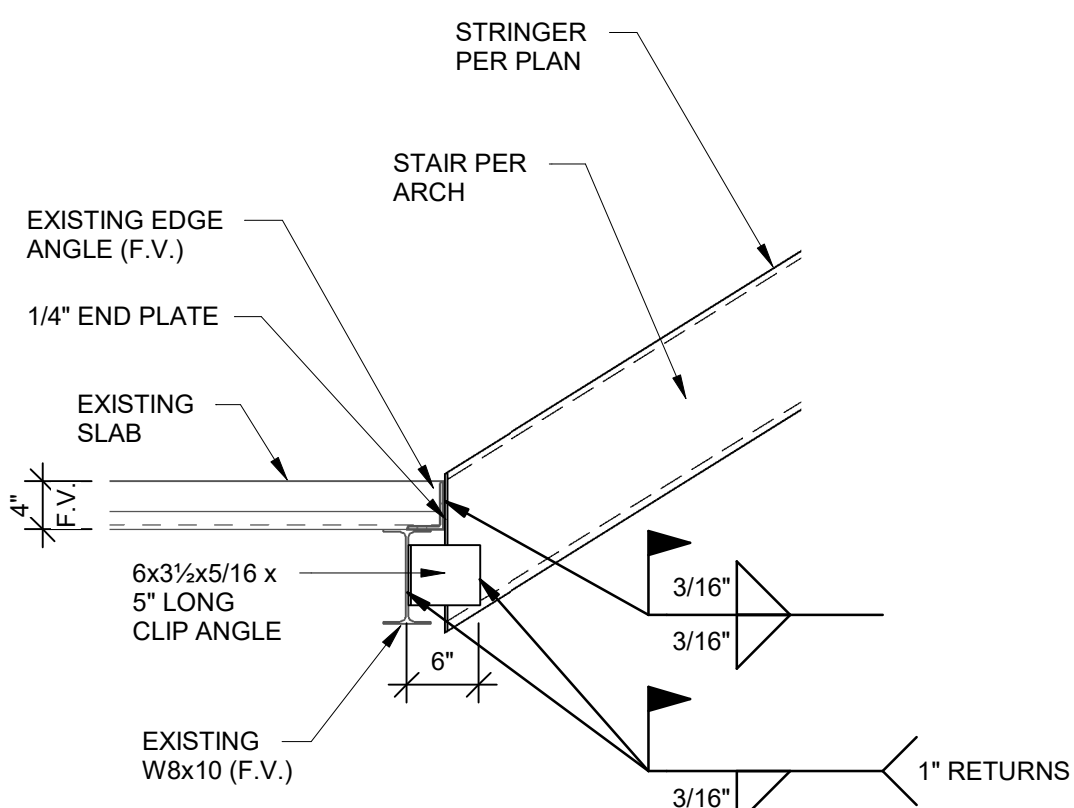
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Number	DESCRIPTION	DATE
1	ADD03	10.20.2020
2	ADD03	10.23.2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

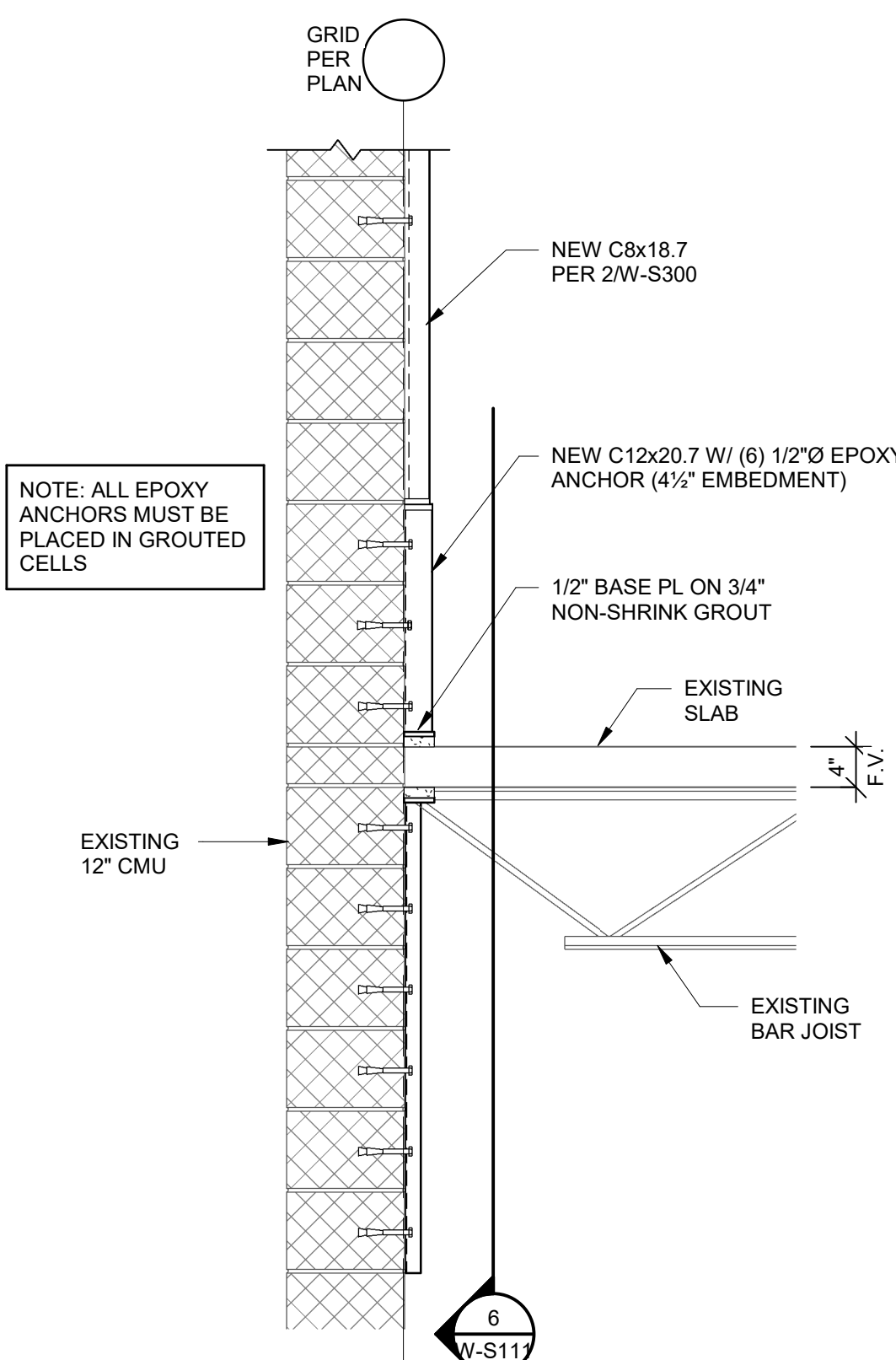
Home Press Box Plans

W-S111

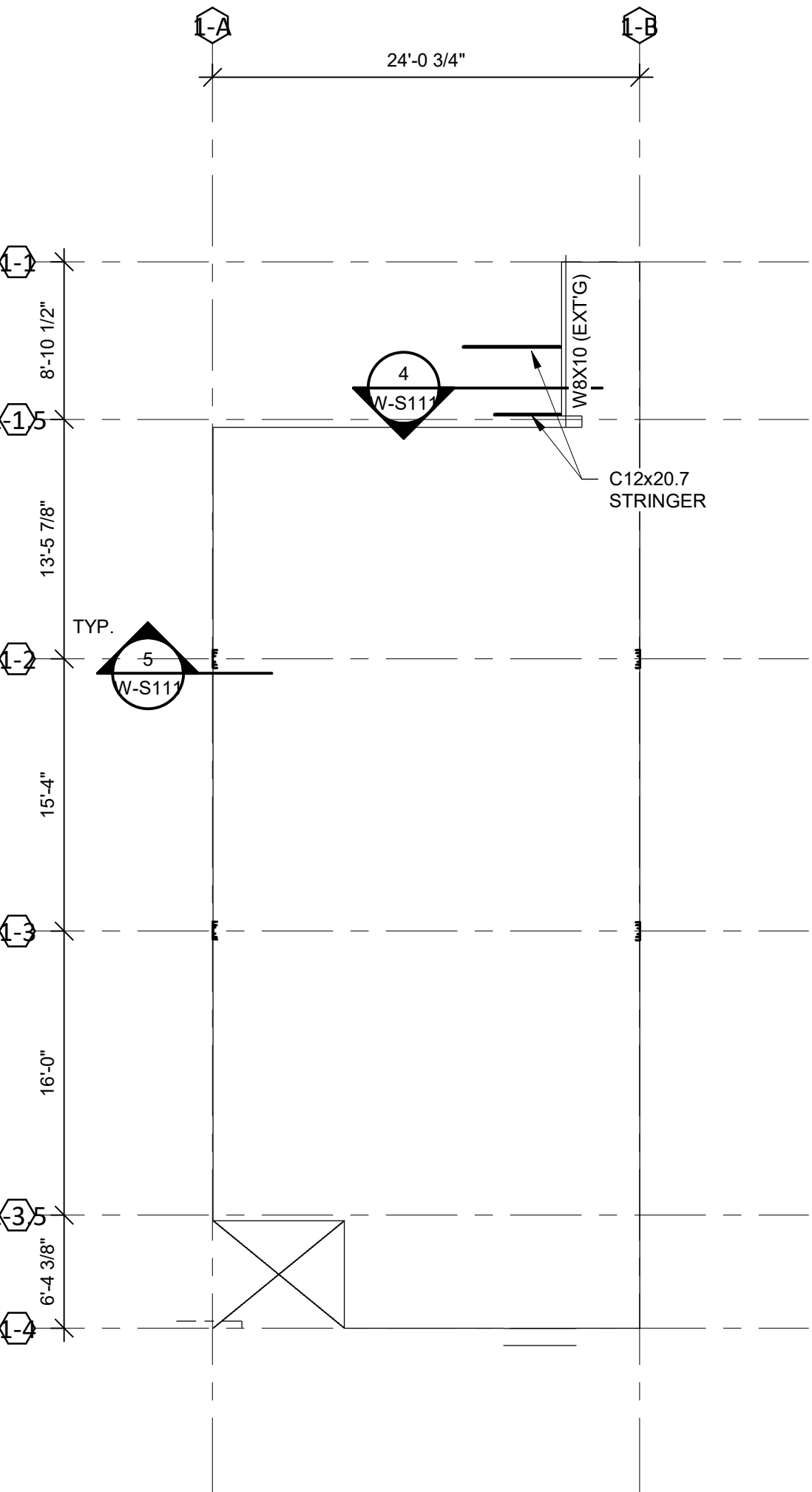
BID SET



4 SECTION
3/4" = 1'-0"

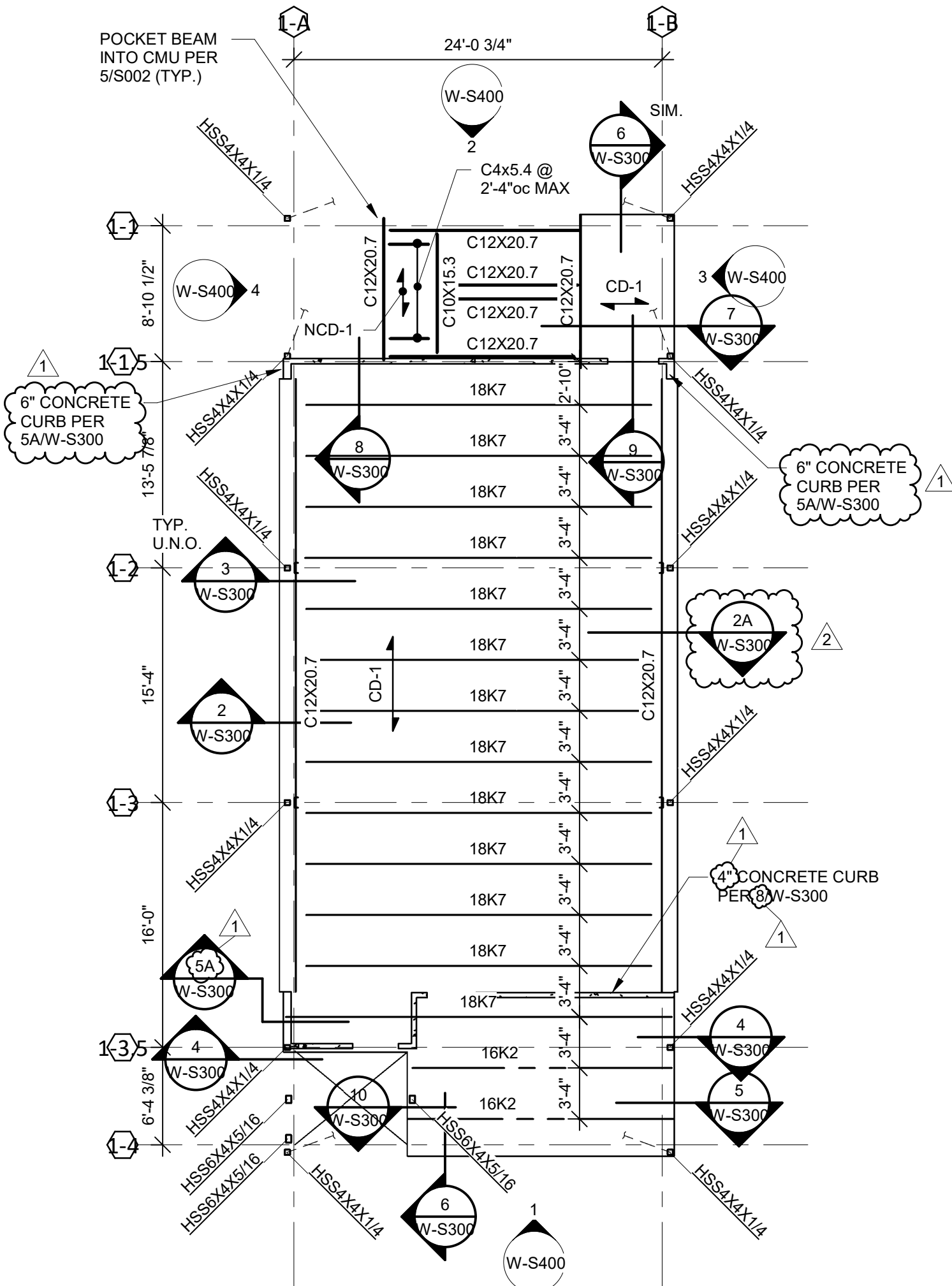


5 SECTION
3/4" = 1'-0"



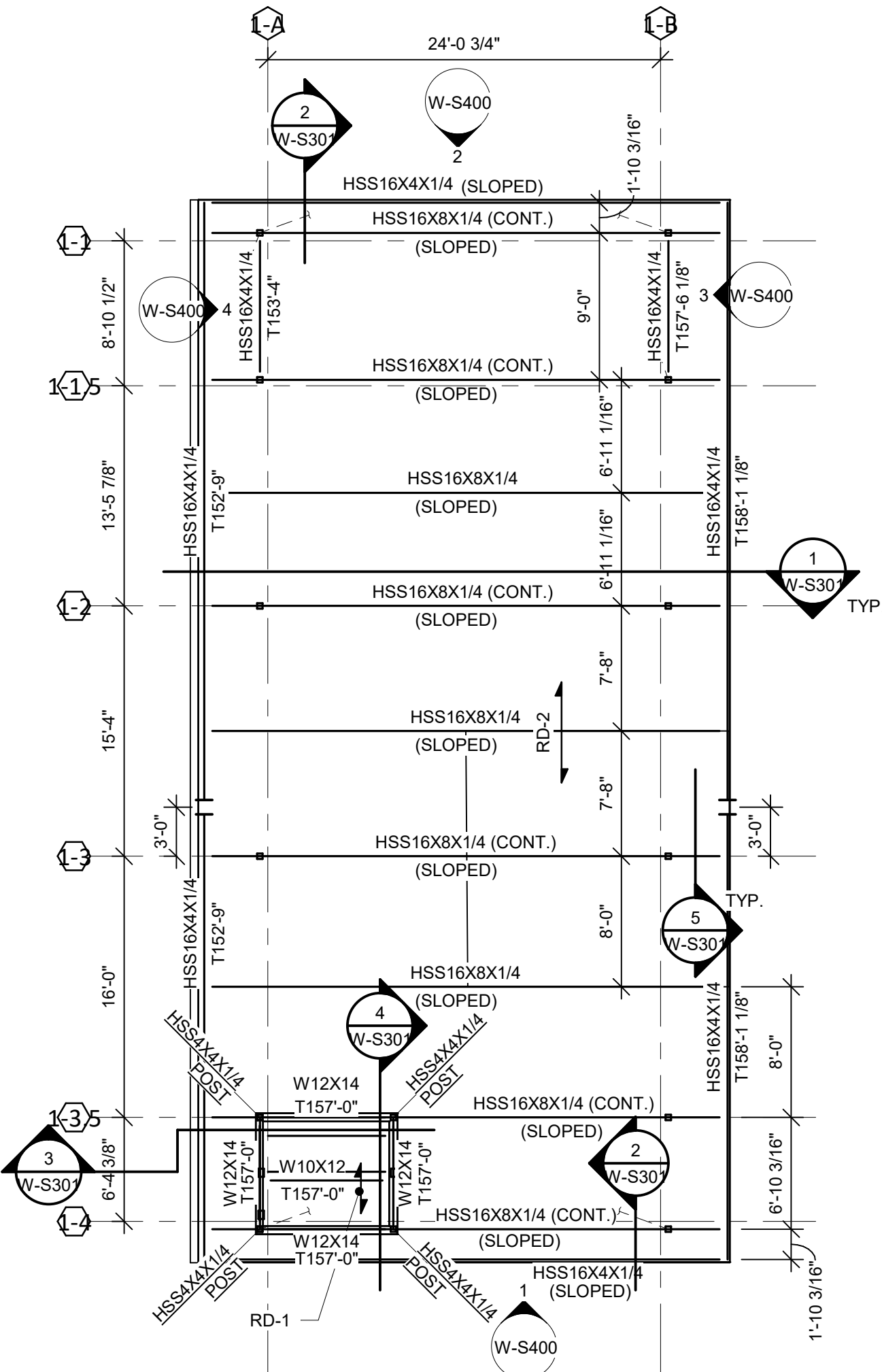
1 Level 2 Framing Plan - Home Press Box
1/8" = 1'-0"

- NOTES:
- REFER TO GENERAL NOTES ON SHEET S001.
 - BG-1 INDICATES GALV. BAR GRATING W/ 1 1/2"x3/16" BEARING BARS @ 1-3/16"oc AND CROSS BARS @ 4"oc.



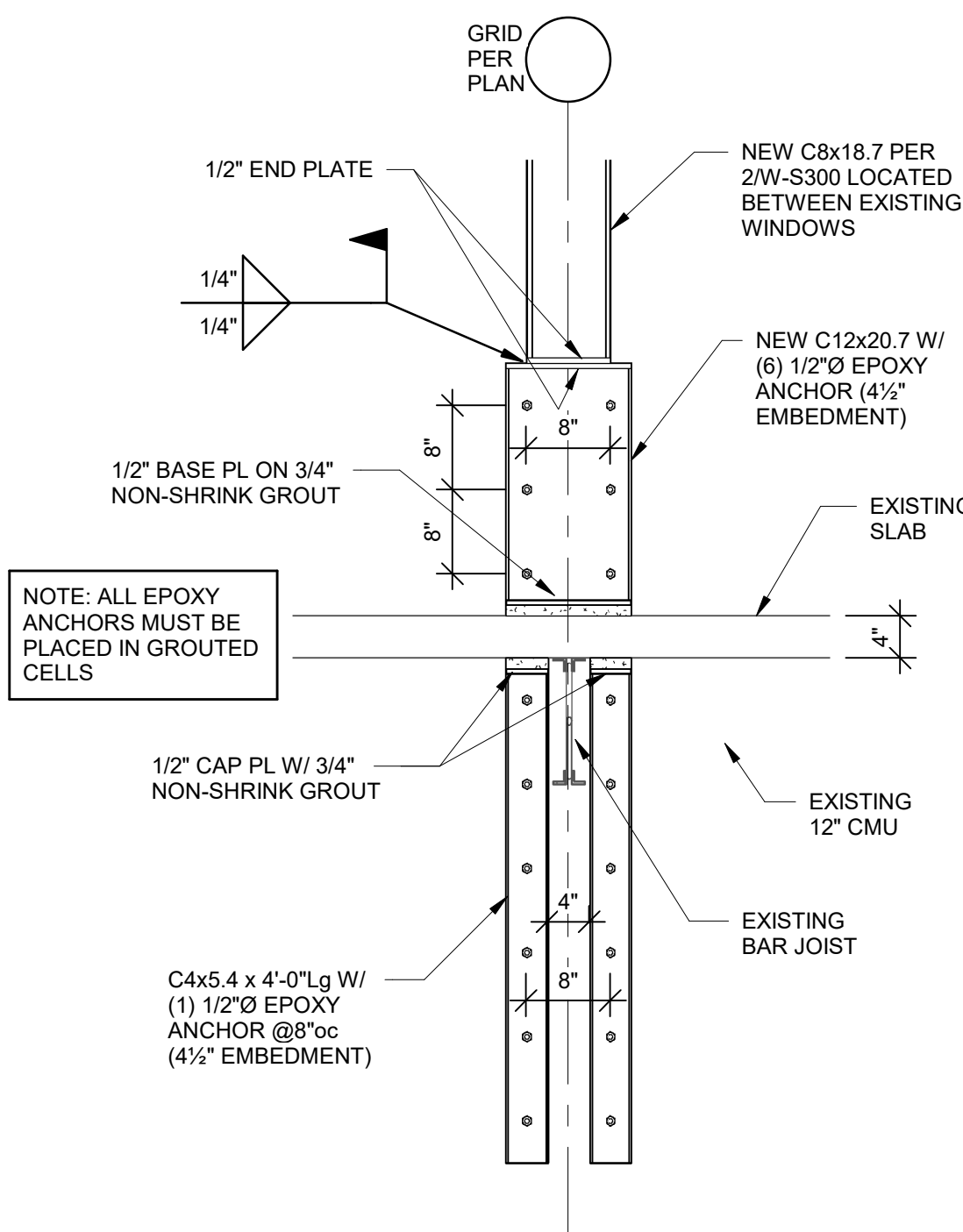
2 Level 3 Framing Plan - Home Press Box
1/8" = 1'-0"

- NOTES:
- REFER TO GENERAL NOTES ON SHEET S001.
 - CD-1 INDICATES 2 1/4" CONC. SLAB ON 1 1/2"x22ga GALV. COMPOSITE METAL DECK (4" TOTAL THICKNESS). REINF SLAB W/ 6x6-6/6 WWF. PROVIDE 5/8" PUDDLE WELDS ON 36/4 PATTERN W/ WELDED SIDELAP FASTENERS @ 36"oc (ALLOWABLE DIAPHRAGM SHEAR = 1775 PLF). T/SLAB EL VARIES.
 - NCD-1 INDICATES 2-7/16" CONC. SLAB ON 9/16"x26ga METAL FORM DECK (3" TOTAL THICKNESS). REINF SLAB W/ 6x6-6/6 WWF. T/SLAB EL PER ARCH.



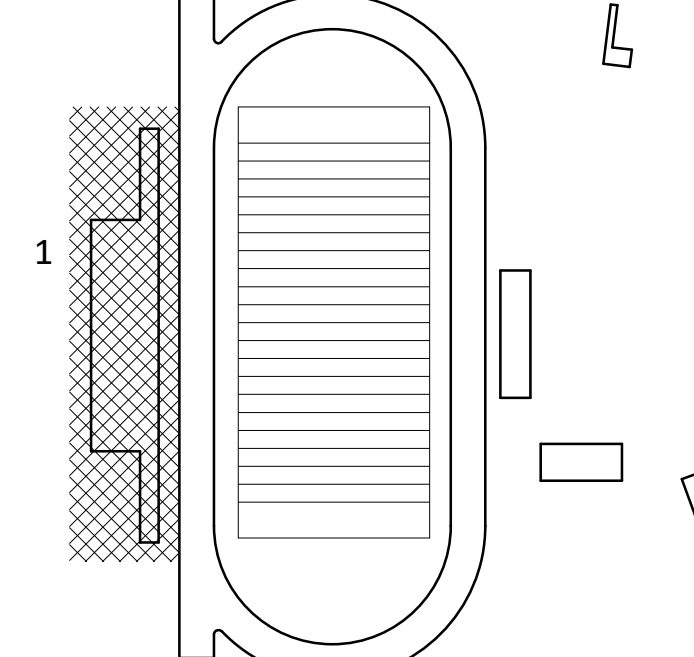
3 Roof Framing Plan - Home Press Box
1/8" = 1'-0"

- NOTES:
- REFER TO GENERAL NOTES ON SHEET S001.
 - RD-1 INDICATES 1 1/2"x22ga GALV. WIDE RIB METAL ROOF DECK. PROVIDE 5/8" PUDDLE WELDS ON 36/4 PATTERN AND #10 TEK SCREW SIDELAP FASTENERS @ 36"oc (ALLOWABLE DIAPHRAGM SHEAR = 328 PLF).
 - RD-2 INDICATES 2"x20ga GALV. EPICORE ER2R ROOF DECK. PROVIDE 5/8" PUDDLE WELDS ON 24/4 PATTERN AND #10 TEK SCREW SIDELAP FASTENERS @ 36"oc (ALLOWABLE DIAPHRAGM SHEAR = 244 PLF).



6 SECTION
3/4" = 1'-0"

Key Plan:



Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

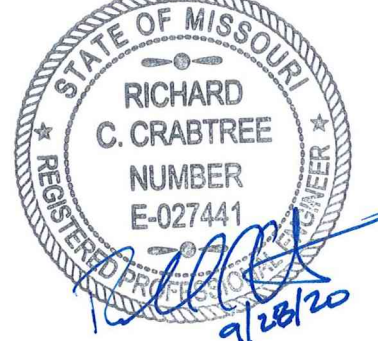
owner:
Lee's Summit R-7 School District
301 NE Tudor Road
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architect:
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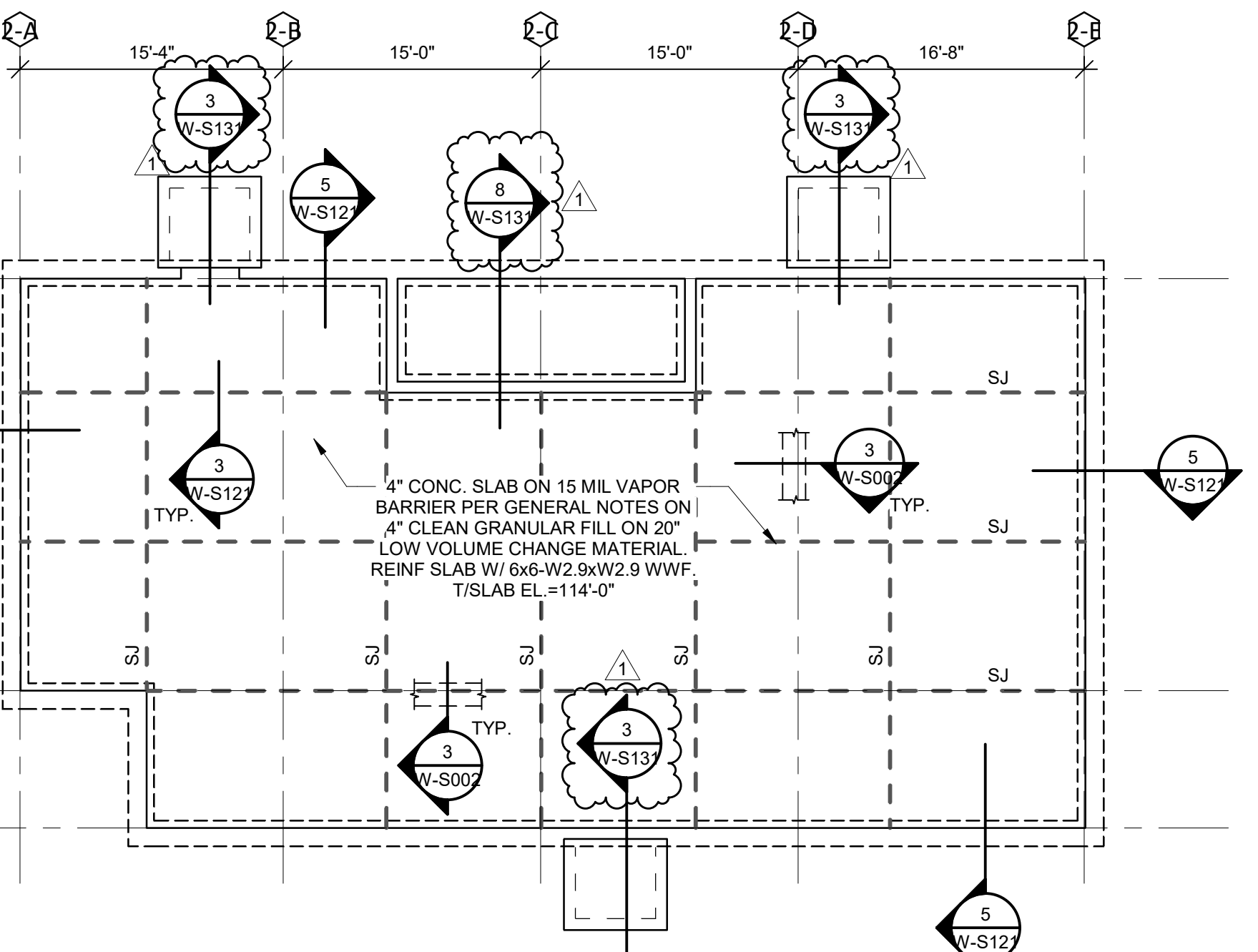
Number	DESCRIPTION	DATE
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PROJECT NO: 0119-0101
DATE: September 28, 2020

Visitor
Restrooms/Concession
Plans

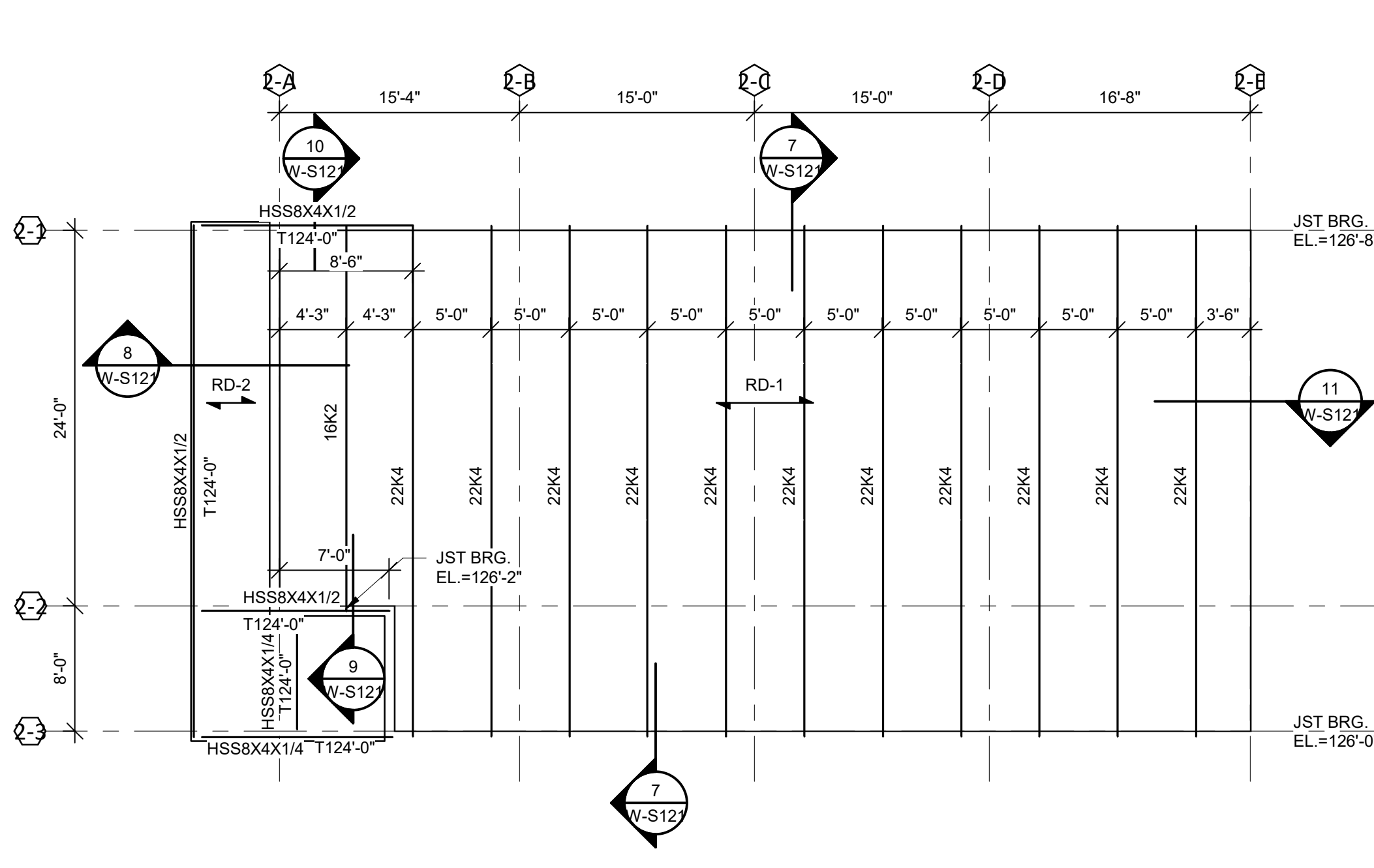
W-S121

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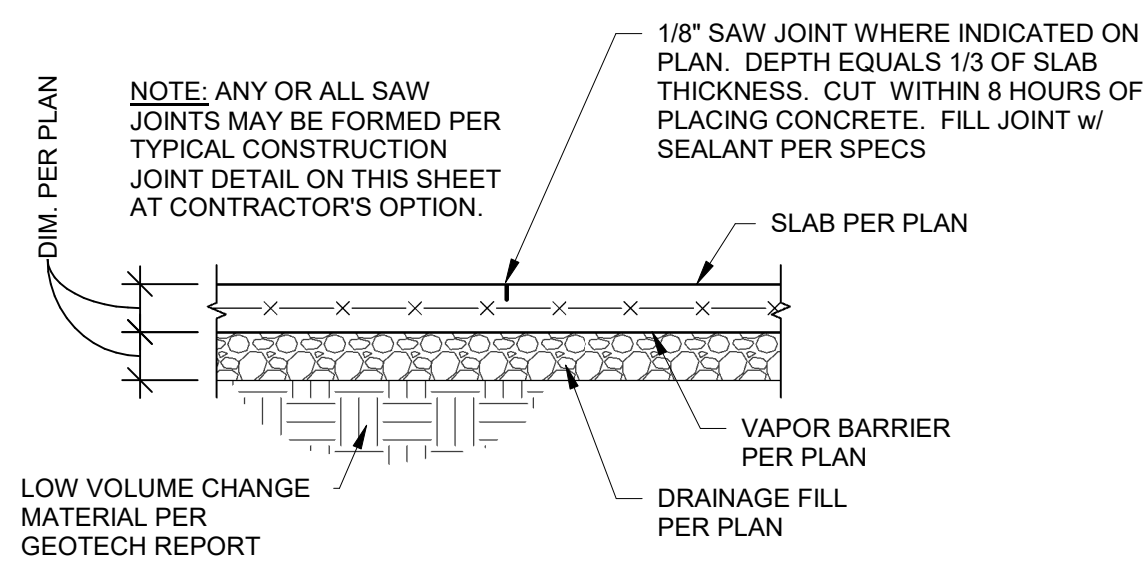
1 Foundation Plan - Visitor Restrooms/Concession
1/8" = 1'-0"

NOTES:
1. REFER TO GENERAL NOTES ON SHEET S001.

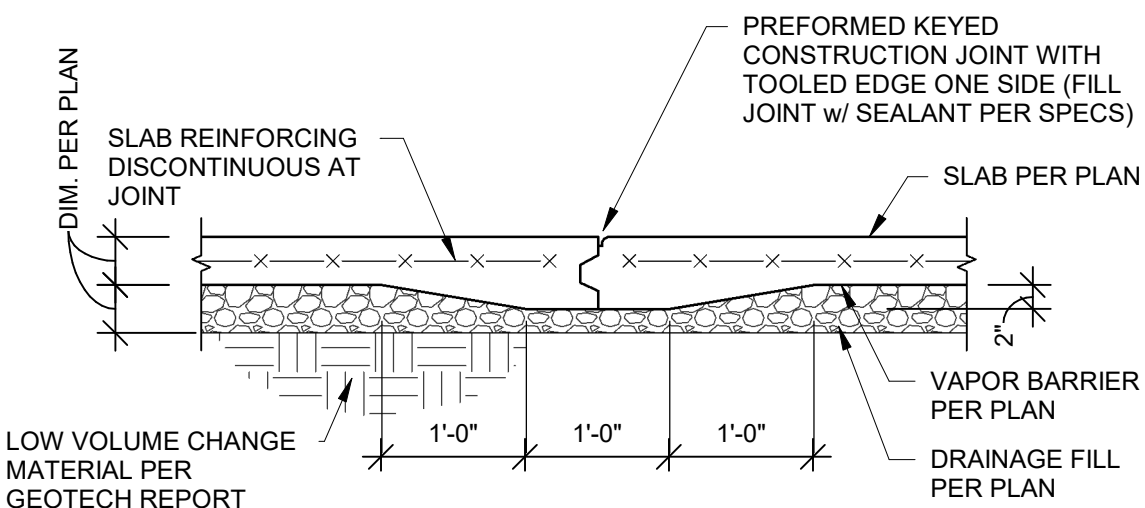


2 Roof Framing Plan - Visitor Restrooms/Concession
1/8" = 1'-0"

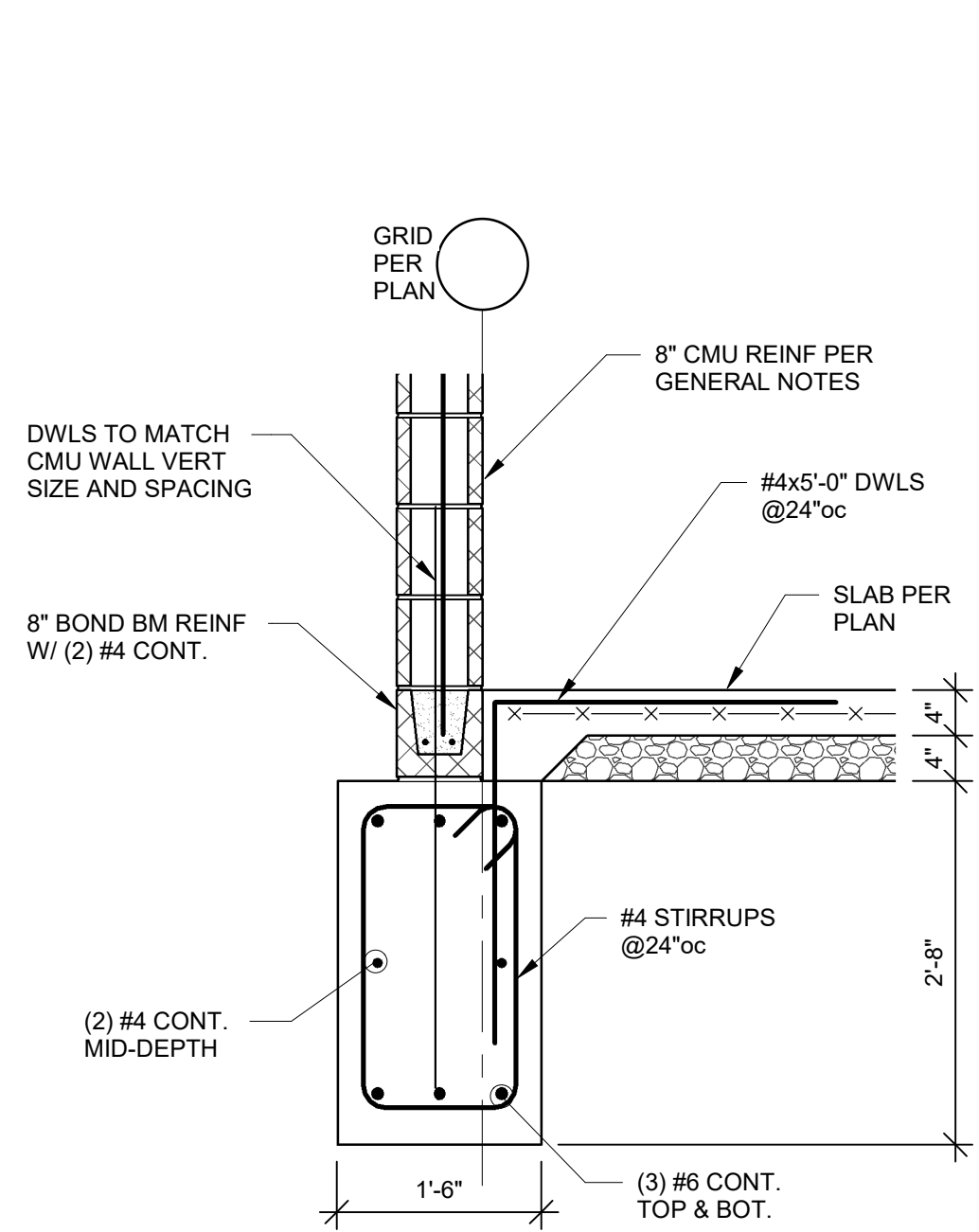
NOTES:
1. REFER TO GENERAL NOTES ON SHEET S001.
2. RD-1 INDICATES 1 1/2"x22ga GALV. WIDE RIB METAL ROOF DECK. RD-1 INDICATES 1 1/2"x22ga GALV. WIDE RIB METAL ROOF DECK. PROVIDE 5/8" PUDDLE WELDS ON 36/7 PATTERN AND #10 TEK SCREW SIDELAP FASTENERS @36"oc (ALLOWABLE DIAPHRAGM SHEAR = 320 PLF).
3. RD-2 INDICATES 2"x20ga GALV. EPICORE ER2R ROOF DECK. PROVIDE 5/8" PUDDLE WELDS ON 24/4 PATTERN AND #10 TEK SCREW SIDELAP FASTENERS @36"oc (ALLOWABLE DIAPHRAGM SHEAR = 244 PLF).
4. JOIST BRG ELEV. = 126'-0".
5. ALL EXPOSED STEEL SHALL BE GALVANIZED.



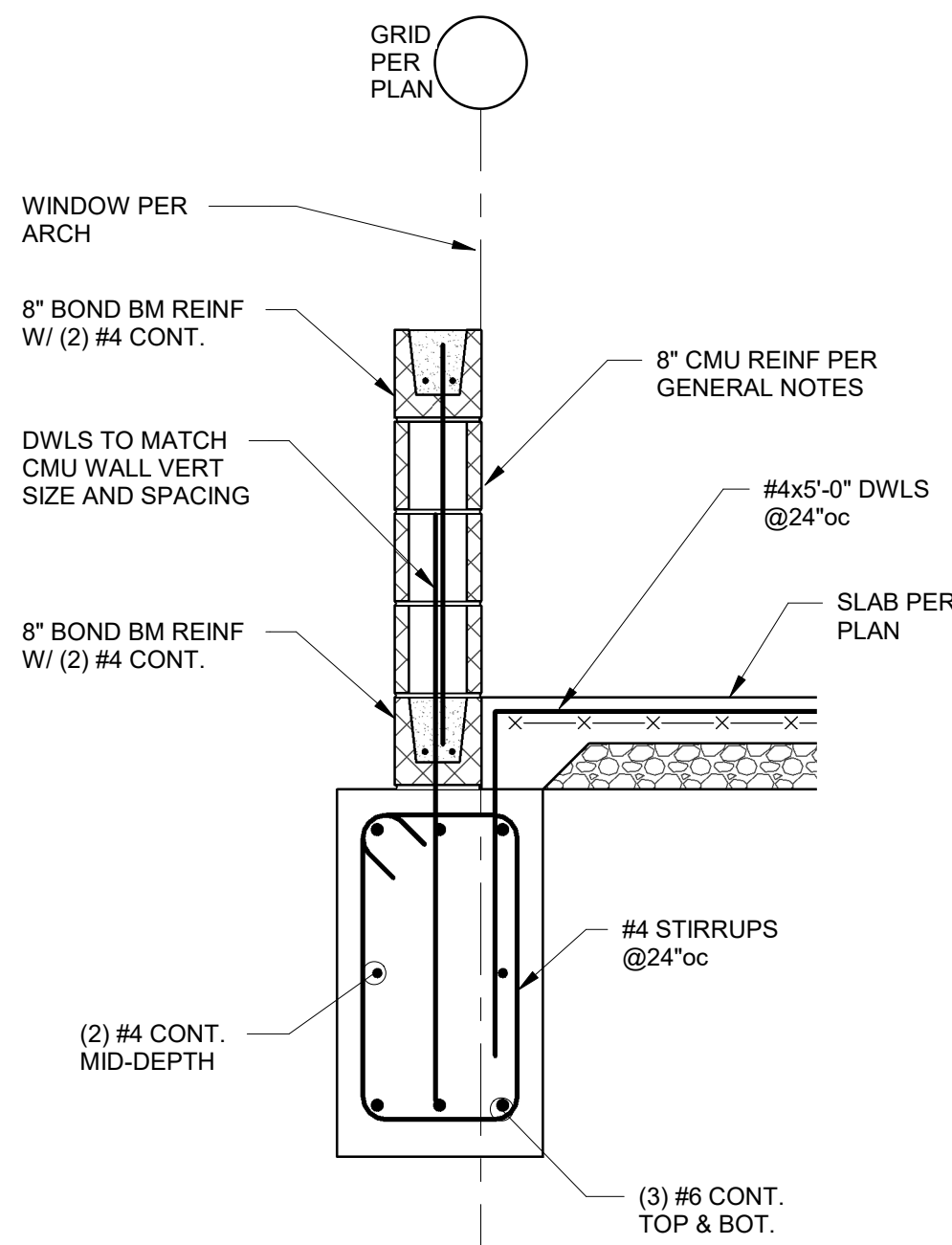
TYPICAL SAW JOINT
NOTED "SJ" ON PLAN
3/4" = 1'-0"



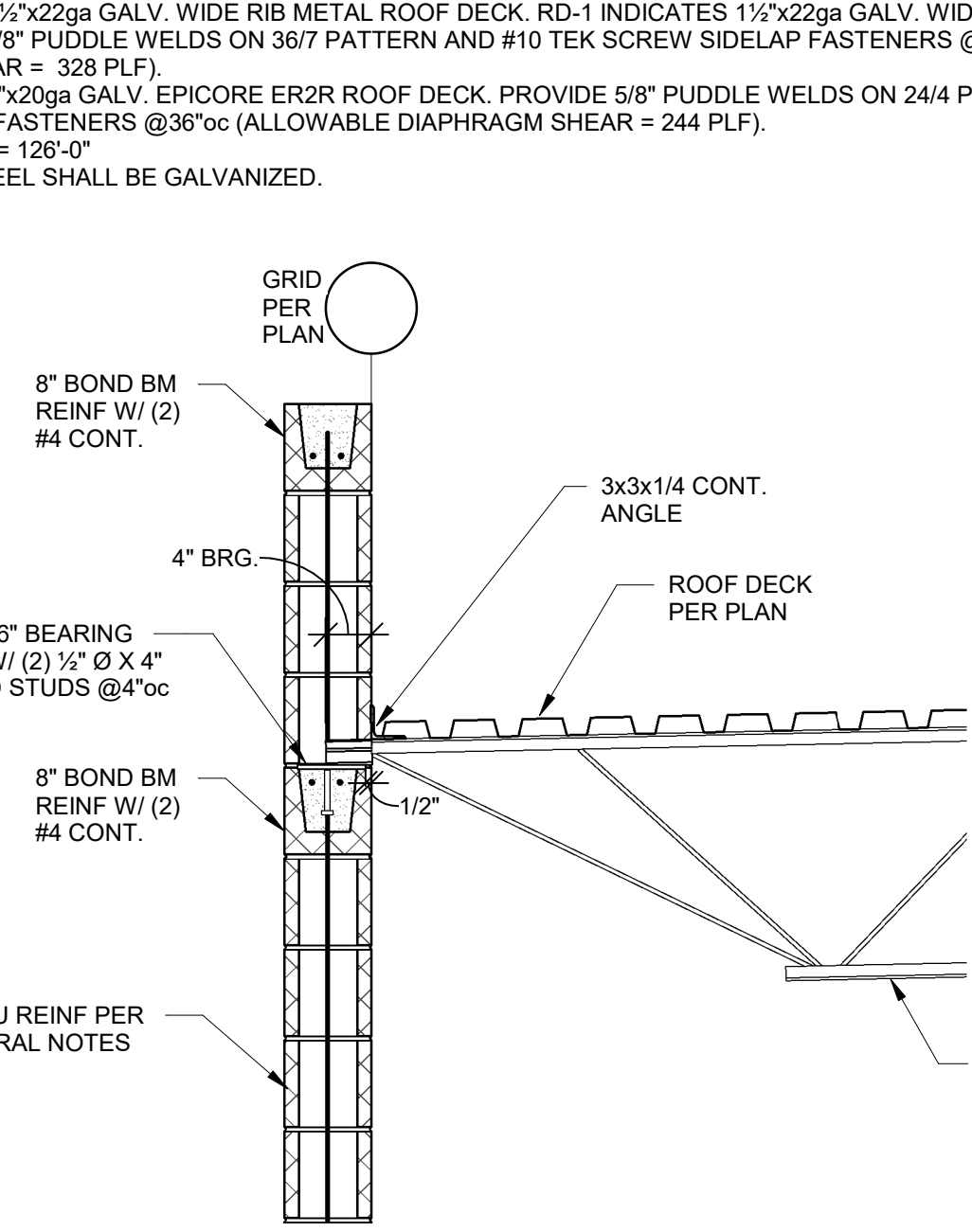
TYPICAL CONSTRUCTION JOINT
NOTED "CJ" ON PLAN
3/4" = 1'-0"



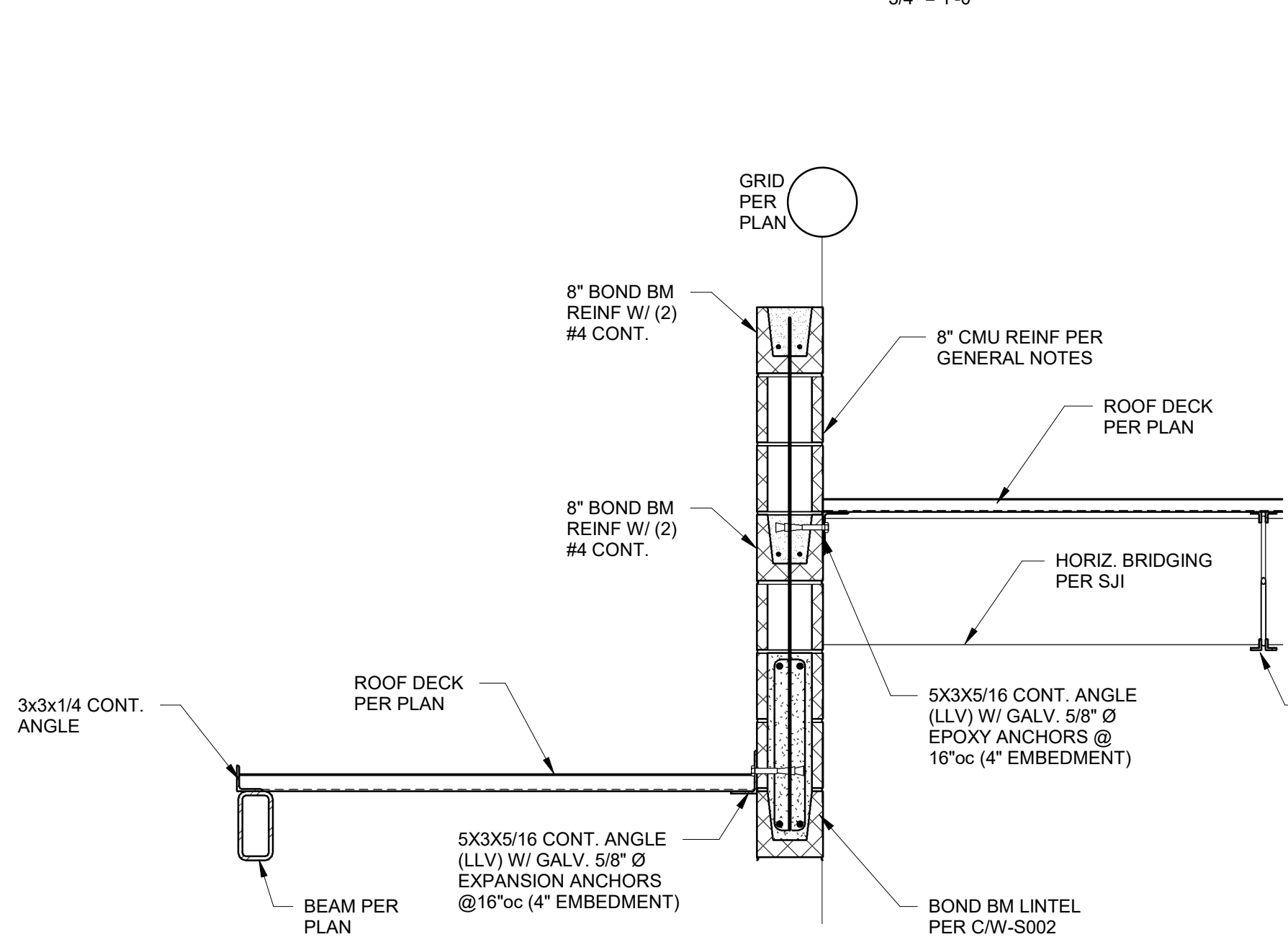
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3/4" = 1'-0"



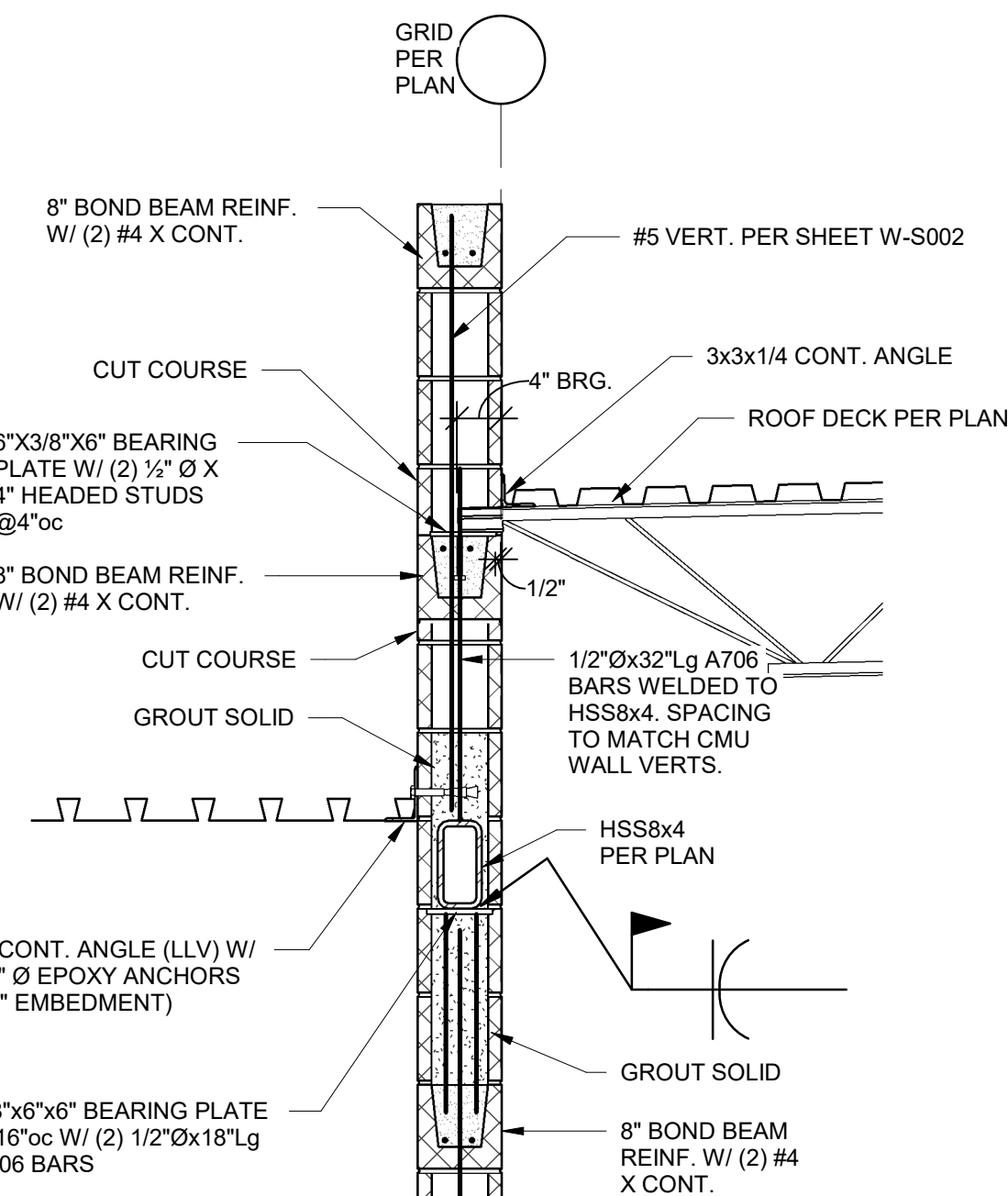
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3/4" = 1'-0"



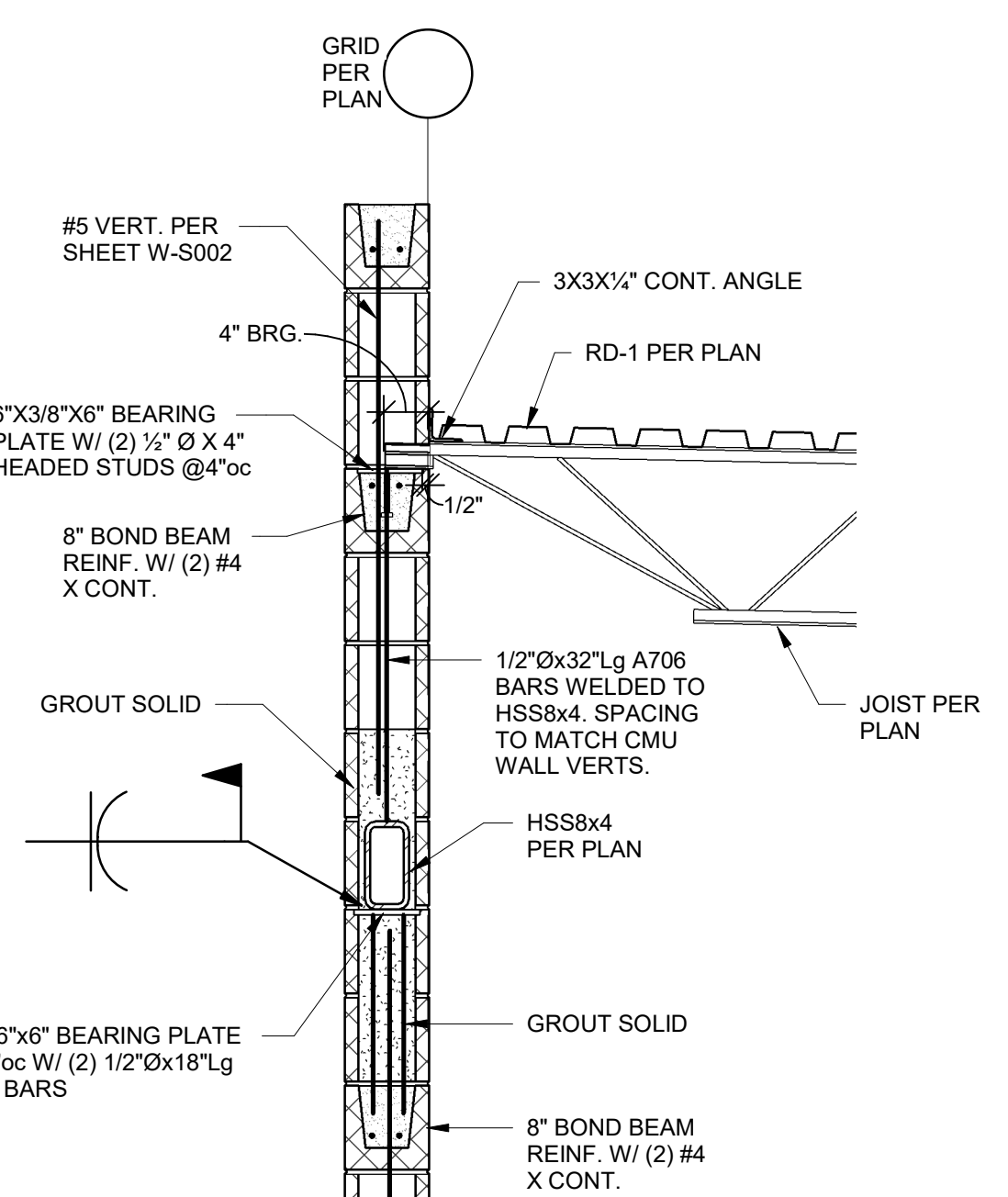
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3/4" = 1'-0"



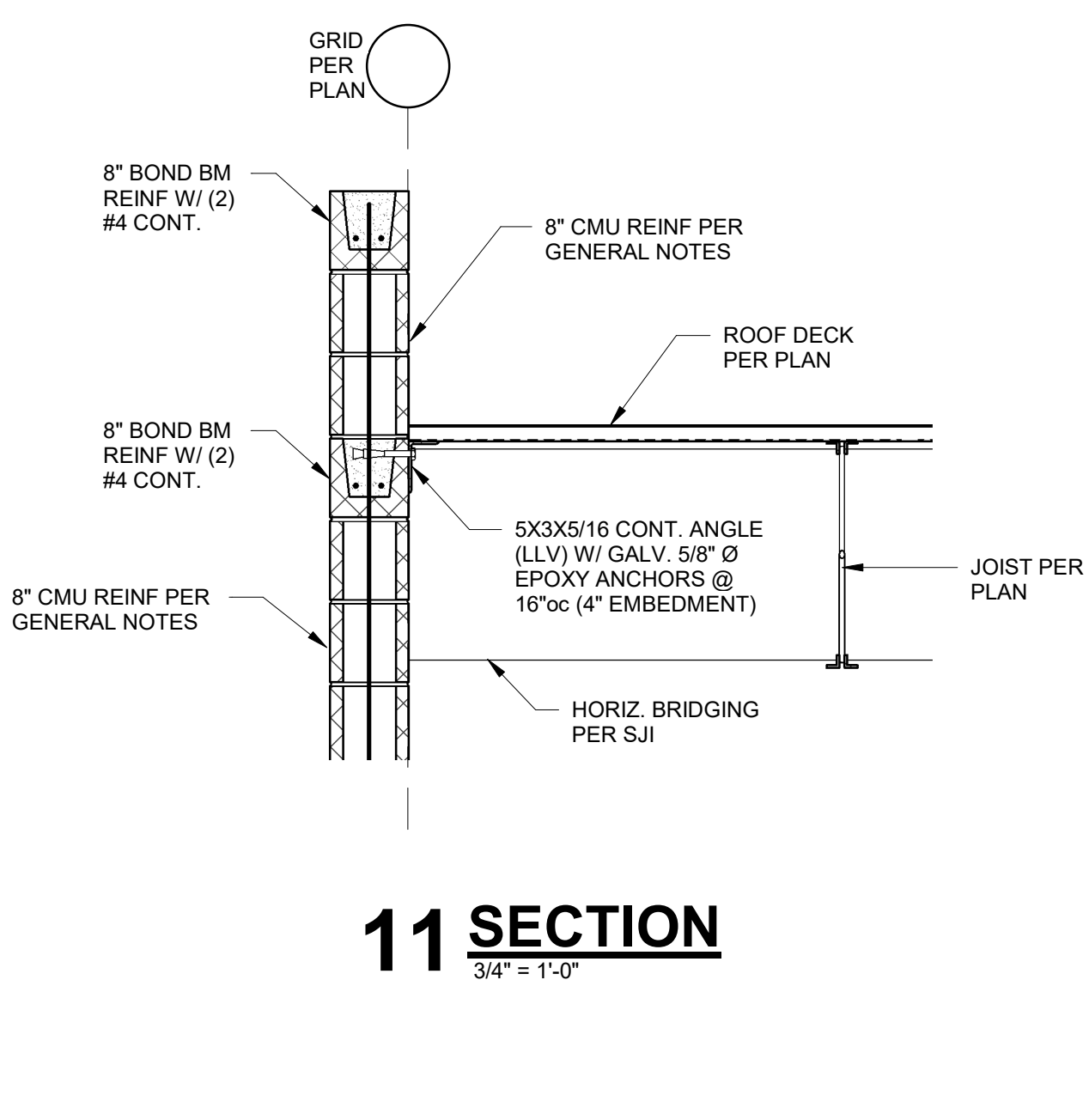
8 SECTION
3/4" = 1'-0"



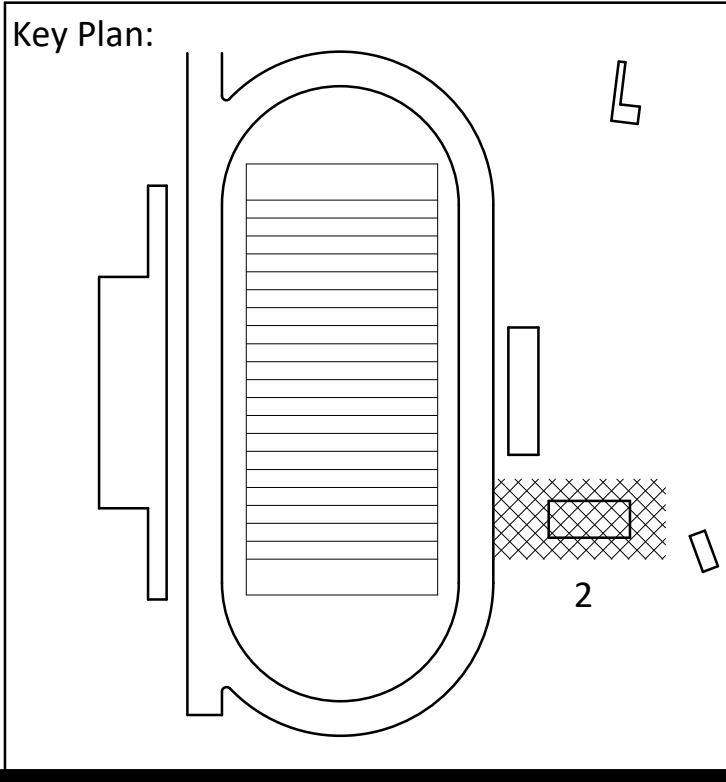
9 SECTION
3/4" = 1'-0"



10 SECTION
3/4" = 1'-0"



11 SECTION
3/4" = 1'-0"



Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

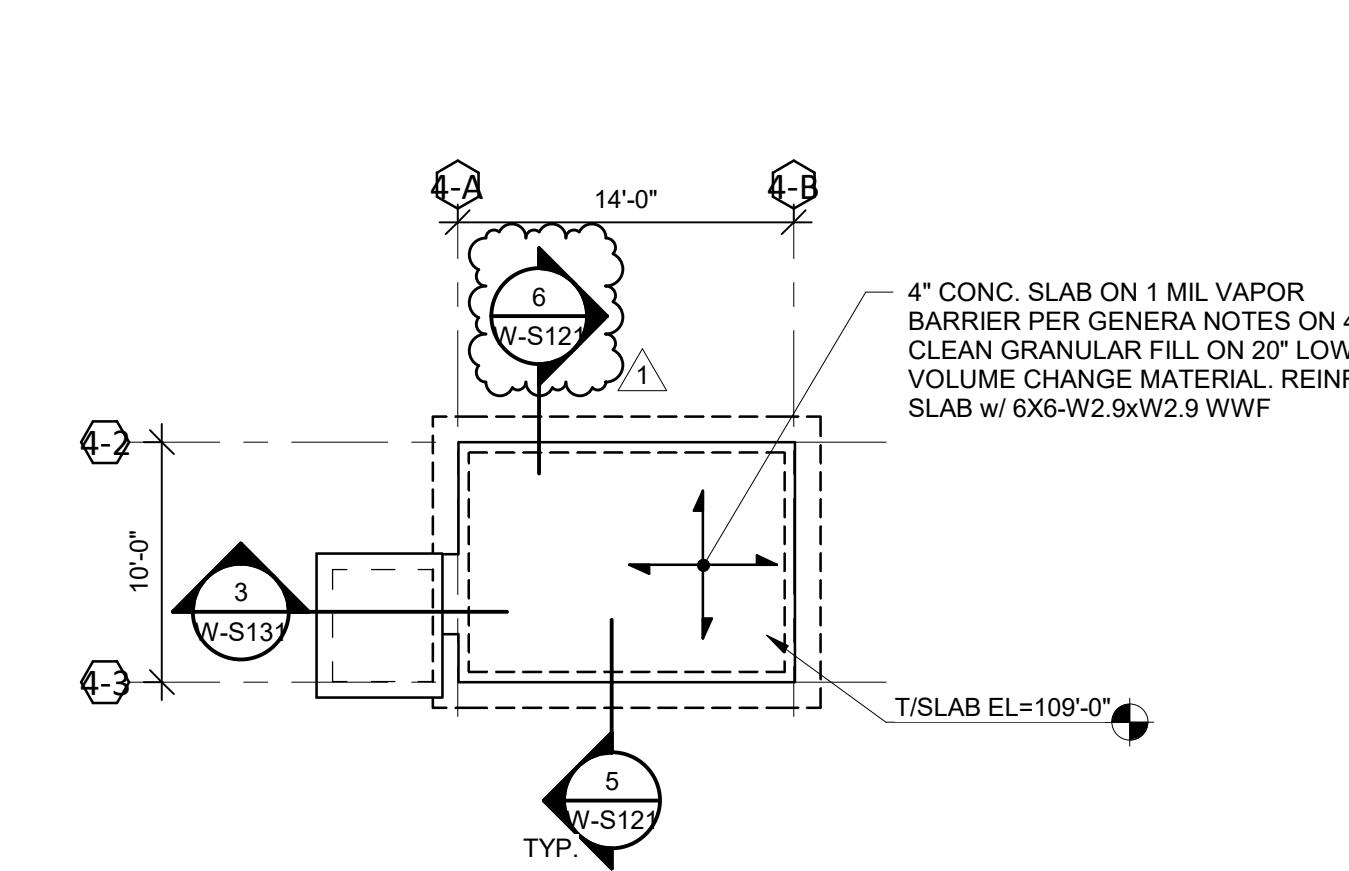
owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 6408

architect:
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816.931.6655 voice
www.gould-evans.com

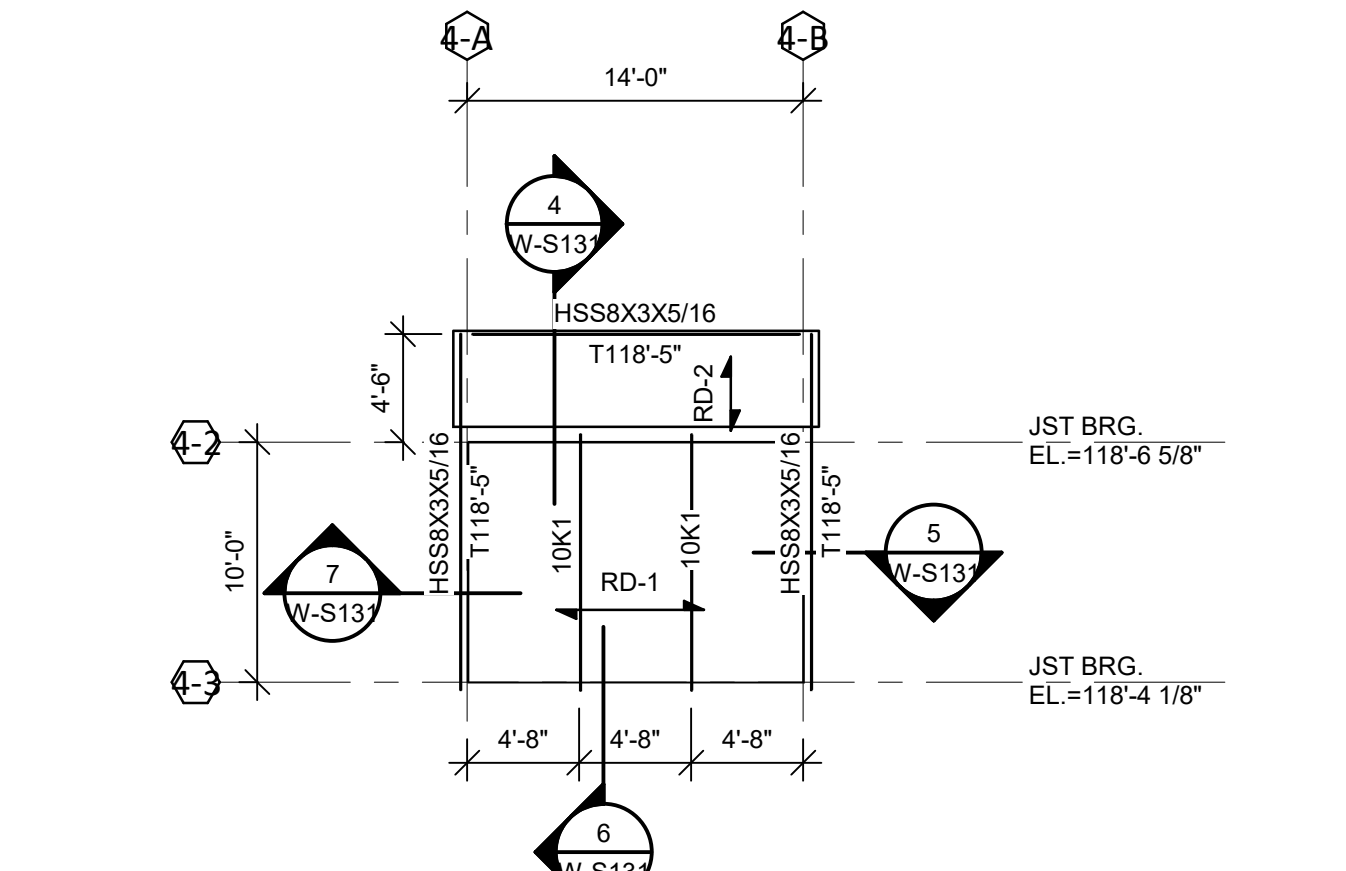
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Bob D. Campbell & Company, Inc.
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Kansas City, MO 64111
816.331.4144

civil engineer:
Kaw Valley Engineering
14700 West 114th Terrace
Lenexa, KS 66215
913.485.0318

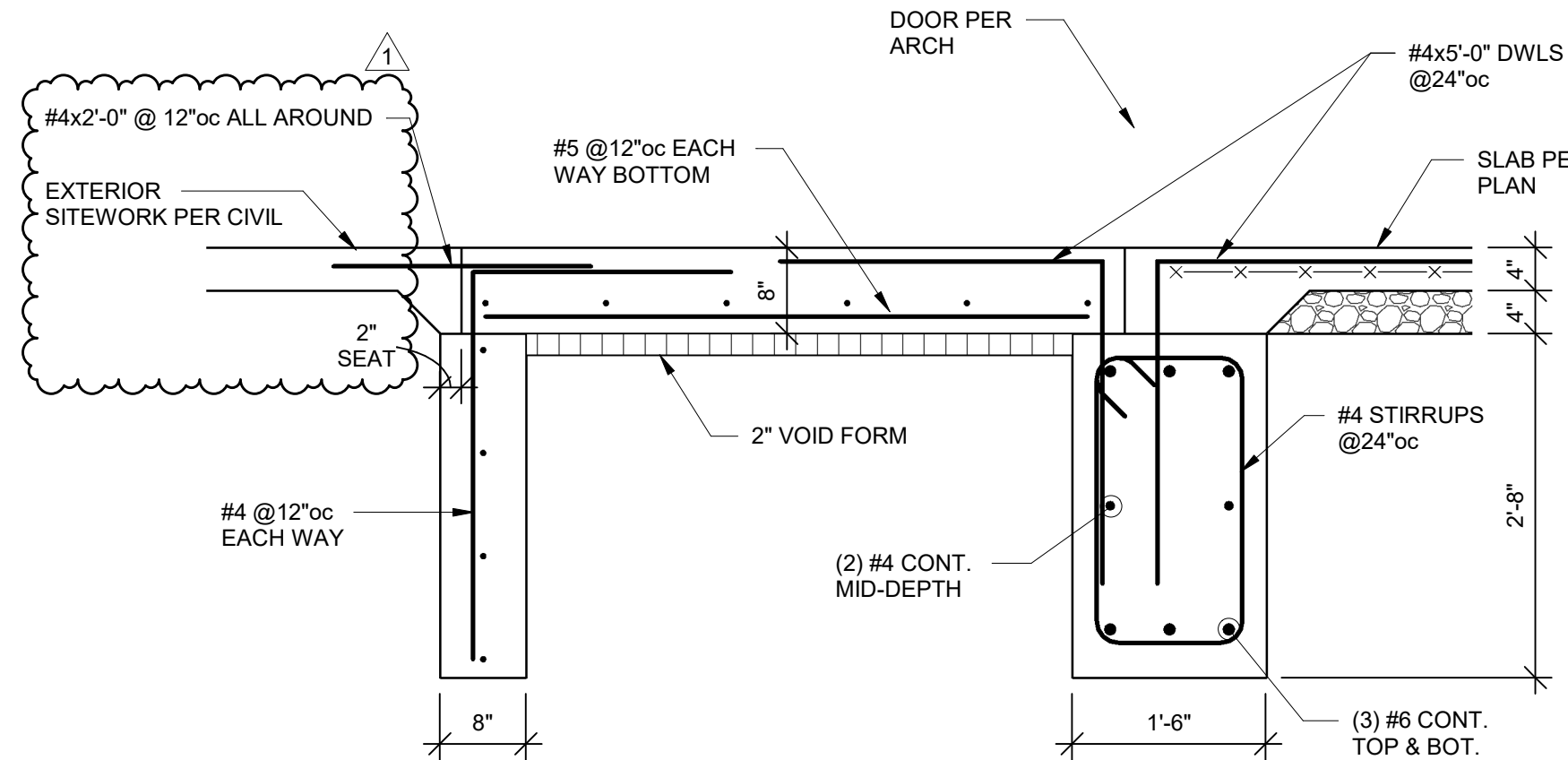
mechanical/electrical engineer:
Henderson Engineers
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Lenexa, KS 66214
816.742.5000



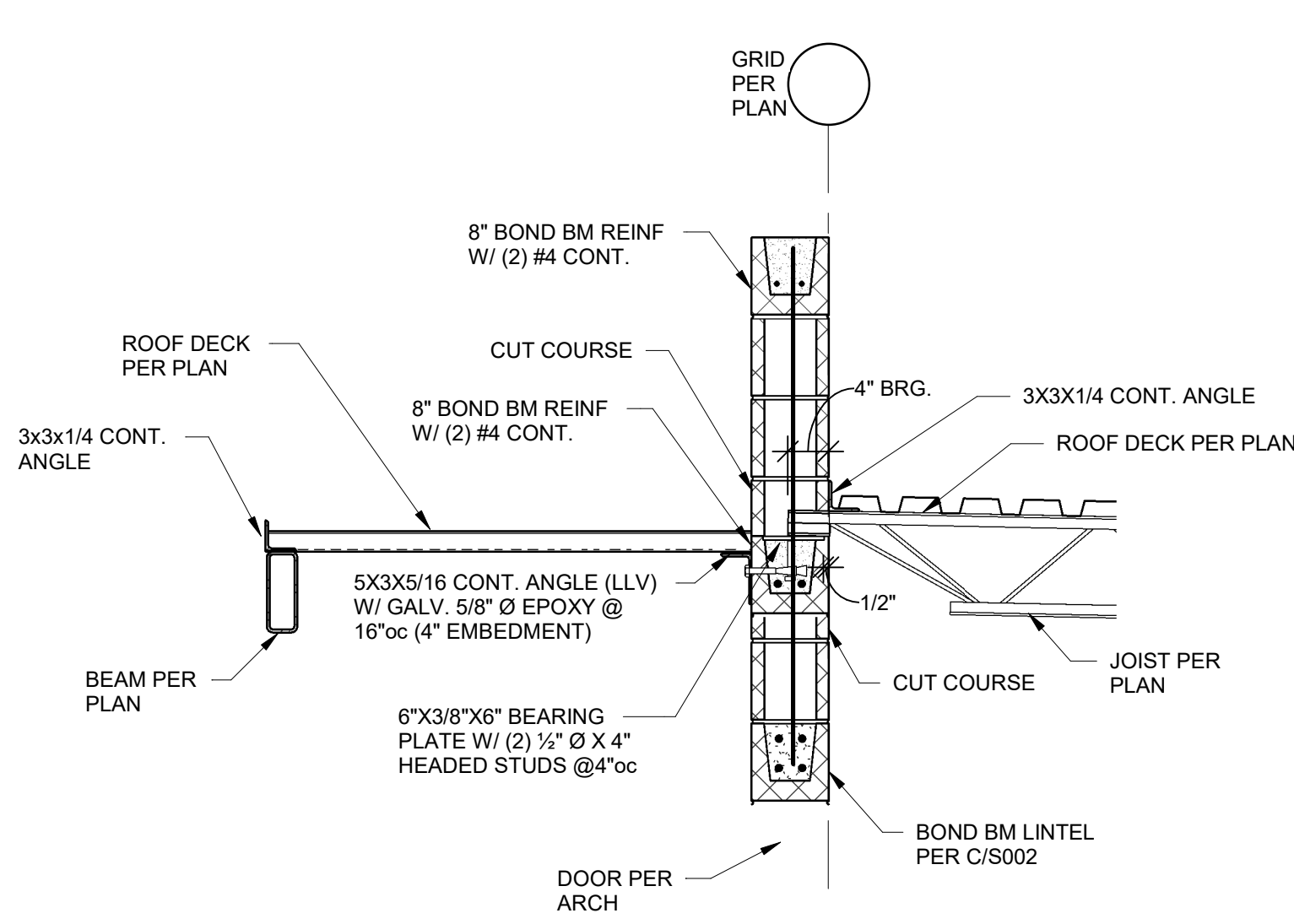
1 Foundation Plan - North Ticket Booth



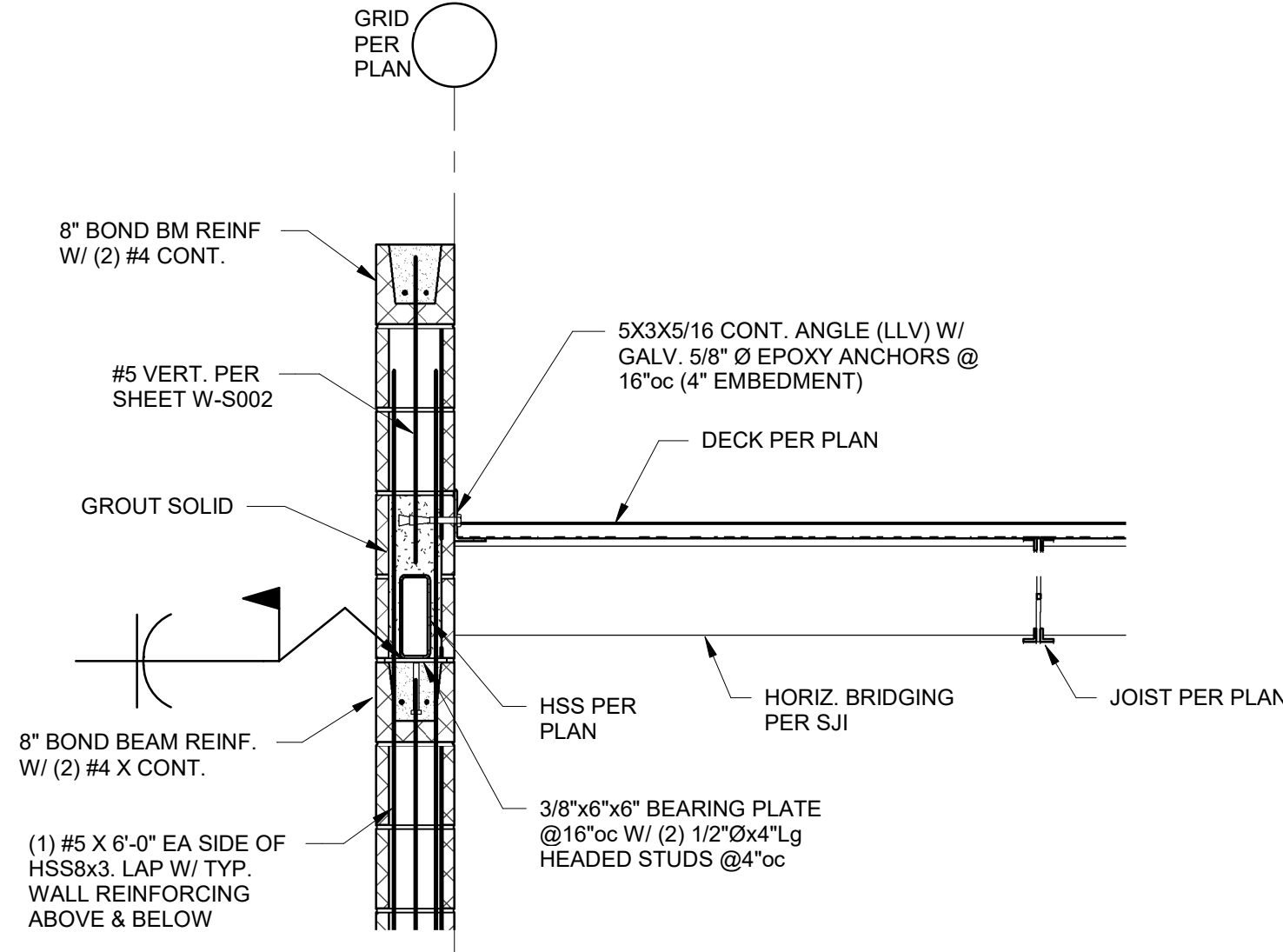
2 Roof Framing Plan - North Ticket Booth



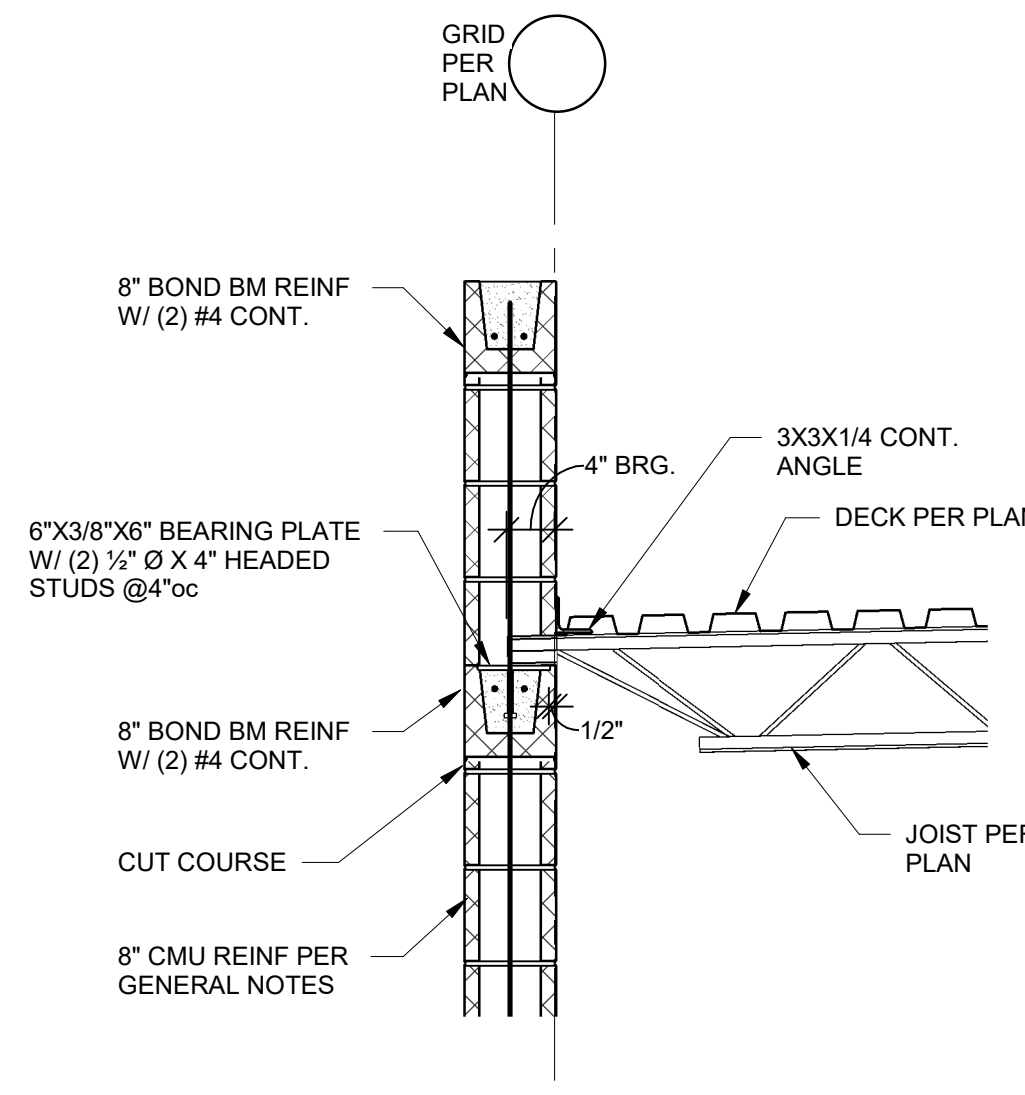
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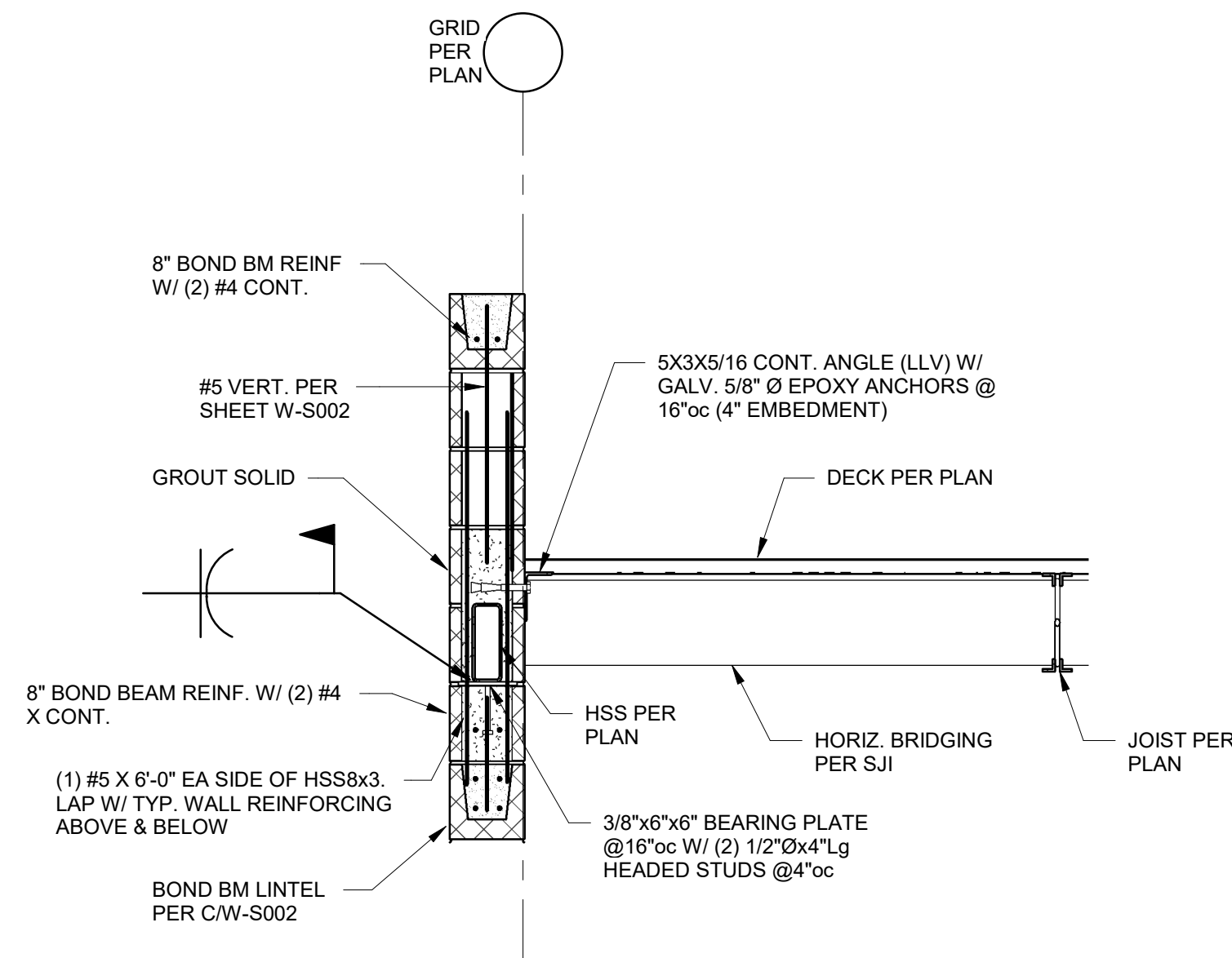
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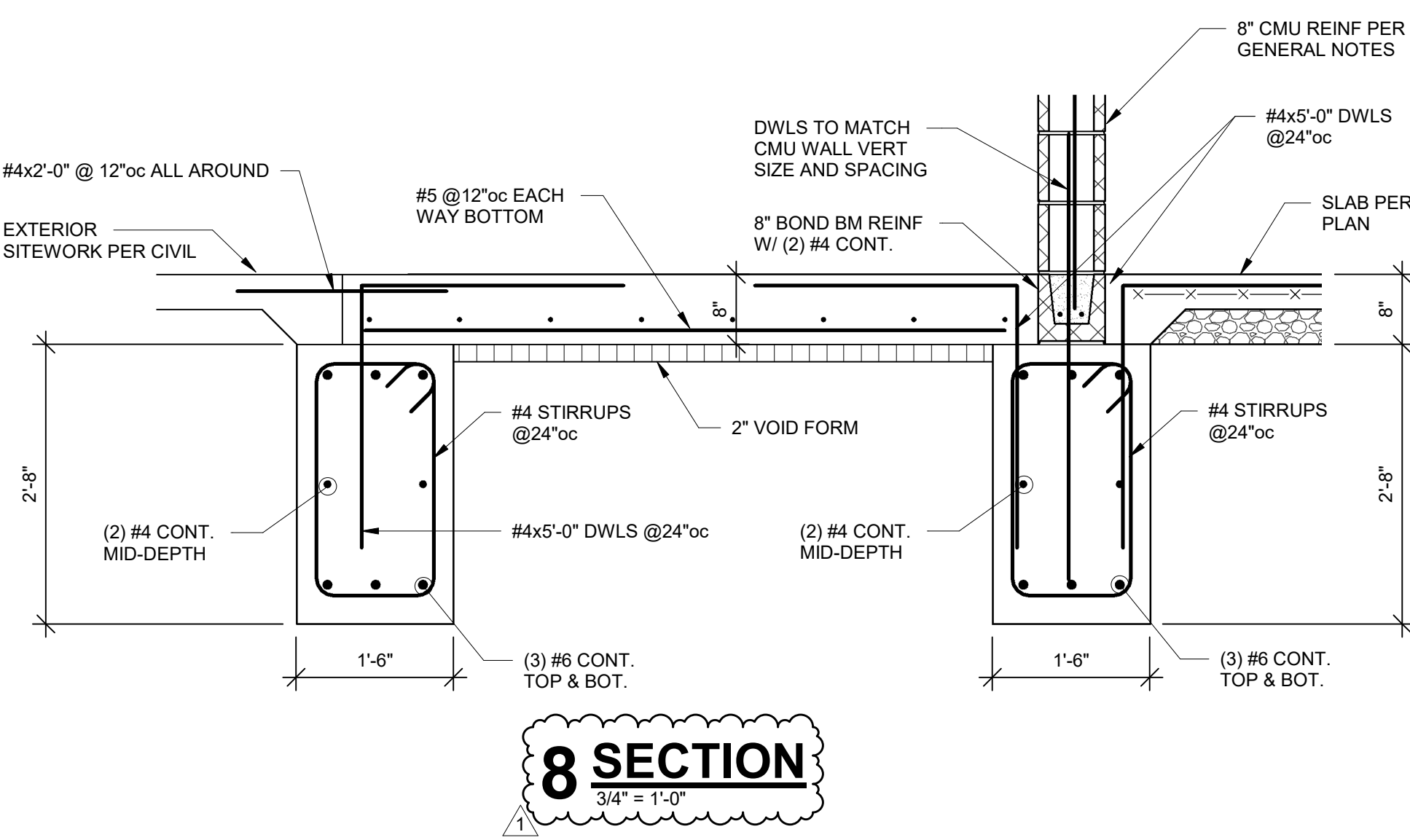
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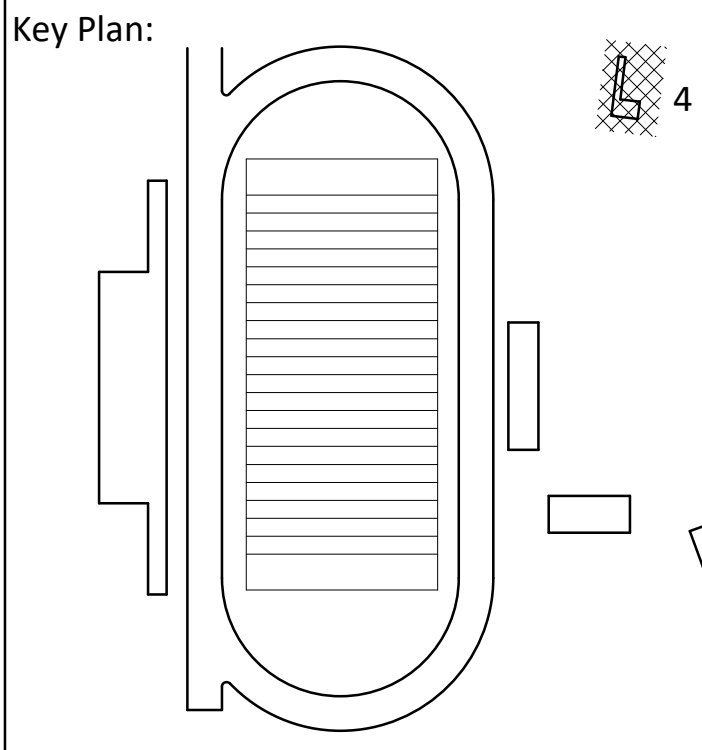
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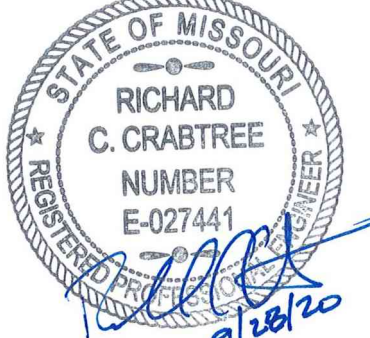
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8 SECTION



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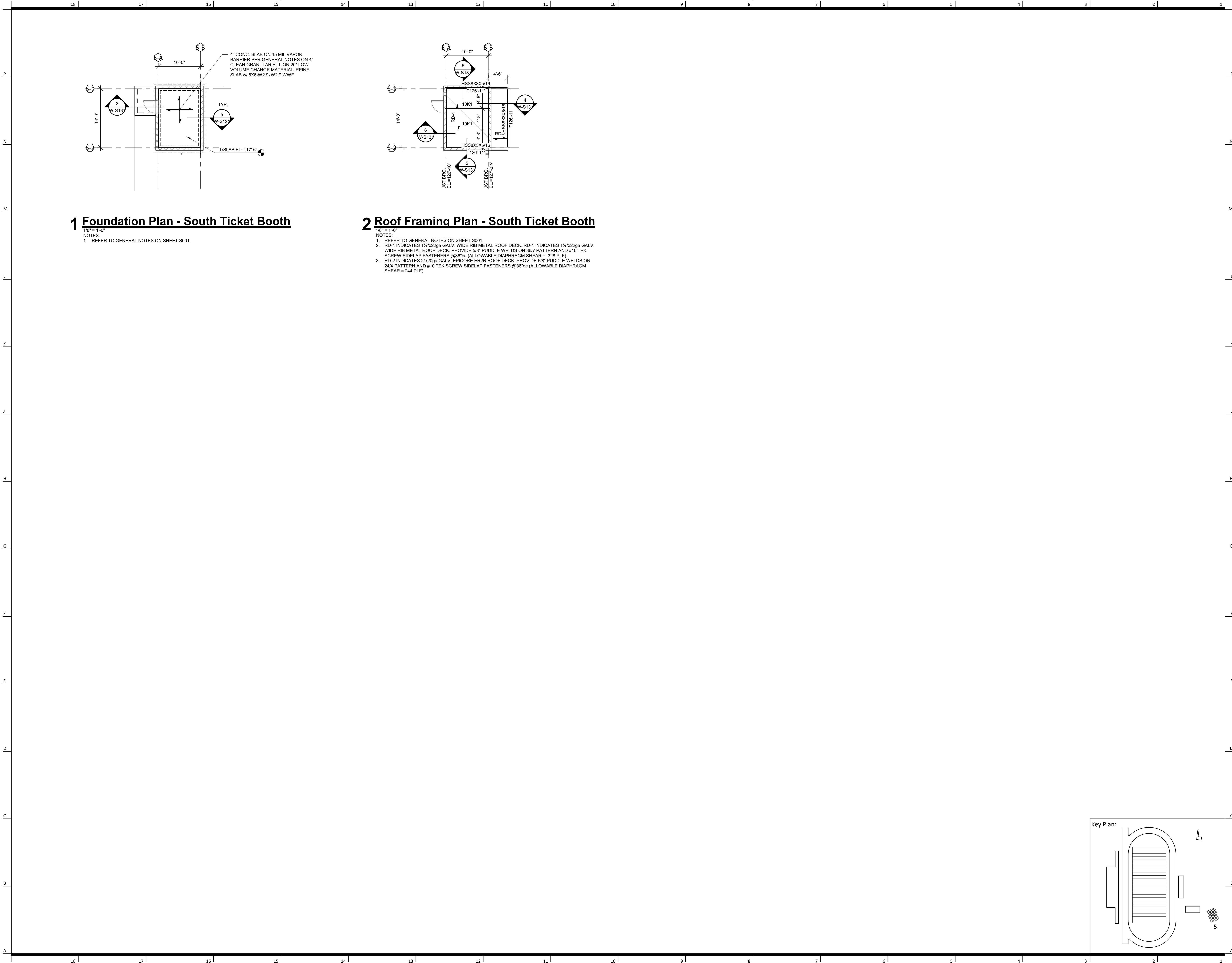
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DATE: September 28, 2020

North Ticket Booth
Plans

W-S131

BID SET



Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 6408

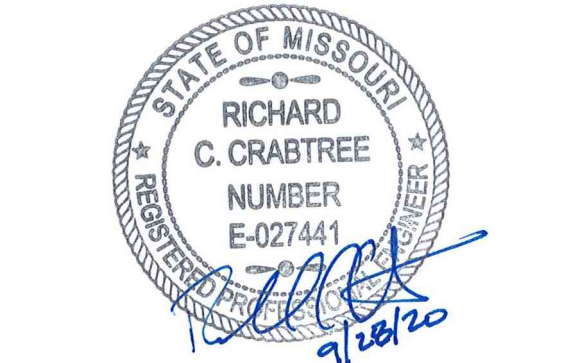
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structural engineer:
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Jane Doe Date: MM/DD/YYYY
Architect License No. A-00000000

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PROJECT NO: 0119-0101
DATE: September 28, 2020

South Ticket Booth
Plans

W-S141

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Lee's Summit R7 District
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2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 6408

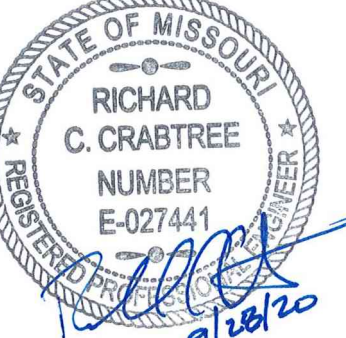
architect:
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816.931.6655 voice
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structural engineer:
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2	ADD03	10.23.2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

Framing Sections

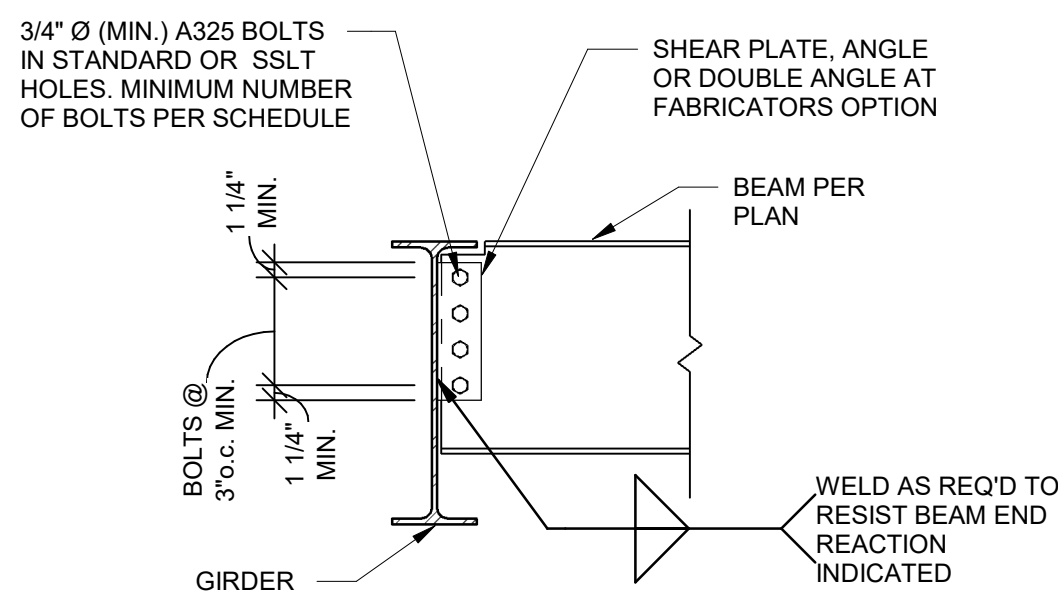
W-S300

BID SET

STEEL CONNECTION NOTES:

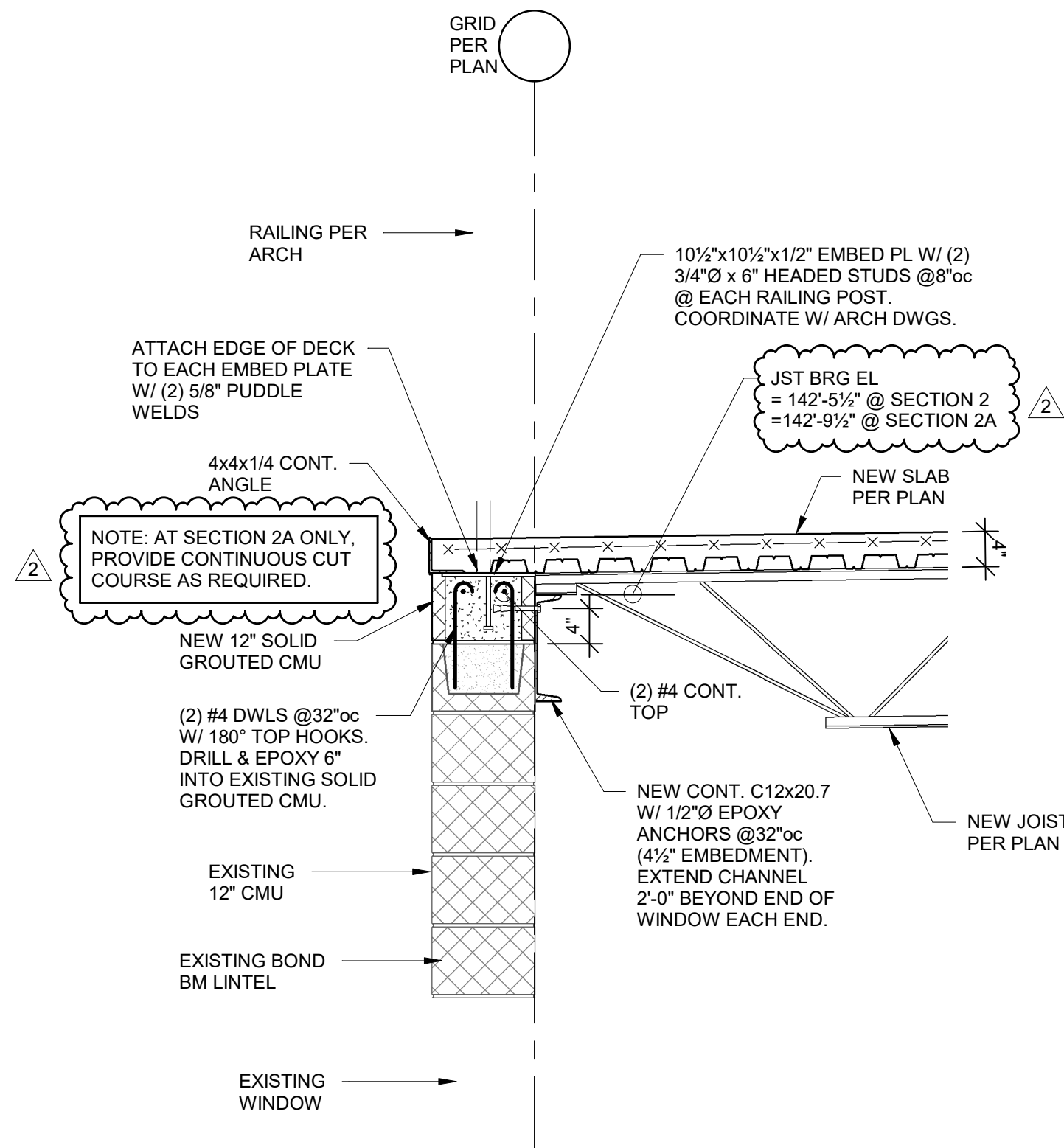
1. REFER TO GENERAL NOTES ON SHEET S001.
2. CONNECTIONS SHOWN IN THESE DETAILS ARE MINIMUM REQUIREMENTS.
3. FABRICATOR SHALL BE RESPONSIBLE FOR THE ENGINEERING, DESIGNING, AND DETAILING OF EACH CONNECTION FOR LOADS SHOWN ON THE DRAWINGS IN ACCORDANCE WITH THE SPECIFICATIONS AND THE STRUCTURAL GENERAL NOTES.
4. SUGGESTED CONNECTION DETAILS ARE SHOWN. FINAL CONNECTION CONFIGURATION AND DESIGN SHALL BE COMPLETED BY THE CONNECTION ENGINEER. CONNECTION DESIGN SHALL INCLUDE COLUMN OR BEAM CONTINUITY PLATES, WEB STIFFENERS, AND/OR DOUBLER PLATES AS REQUIRED FOR THE FORCES INDICATED.
5. FABRICATOR MAY OPT TO USE OTHER AISC APPROVED CONNECTIONS IN LIEU OF THESE SHOWN HEREIN TO MEET END REACTION REQUIREMENTS (i.e. DOUBLE ANGLE CONNECTION).
6. CONNECTION DETAILING SHALL COMPLY WITH THE STANDARD DETAILS SHOWN IN THE LATEST EDITION OF THE AISC MANUAL OF STEEL CONSTRUCTION.
7. ALL BOLTS SHALL BE 3/4" Ø ASTM A325 MINIMUM.
8. ALL BOLTS SHALL BE SPACED AT 3"x3" MINIMUM.
9. ALL BOLTS SHALL HAVE HEAVY HEX NUTS.
10. ALL BOLTS SHALL BE FULLY PRE-TENSIONED.
11. BOLT SPACING AND EDGE DISTANCES SHALL BE ADJUSTED PER AISC MANUAL FOR BOLTS LARGER THAN 3/4" DIAMETER.
12. CLIP ANGLES MAY BE SHOP WELDED TO BEAM WEB PER AISC.
13. FOR BEAMS WITH AXIAL LOADS PER DRAWINGS, BOLTS AND CONNECTIONS SHALL BE SLIP-CRITICAL PER AISC GUIDELINES. INCREASE NUMBER OF BOLTS AND/OR PROVIDE EXTENDED SHEAR PLATE CONNECTION W/ AN ADDITIONAL COLUMN OF BOLTS TO ACCOMMODATE COMBINED FORCES.
14. PROVIDE ASTM A490 BOLTS IF REQUIRED TO MEET END REACTION LOAD REQUIREMENTS.
15. REFER TO ELEVATIONS ON SHEET S400 FOR BRACE FORCES. REFER TO PLANS FOR ADDITIONAL BEAM AXIAL FORCES. BRACE AND BEAM FORCES INDICATED ARE UNFACTORED (ASD) LOADS AND SHALL BE CONSIDERED CONCURRENT W/ BEAM SHEAR DESIGN FORCES LISTED IN THE BEAM SHEAR CONNECTION SCHEDULE.
16. COORDINATE BRACED FRAME CONNECTION W/ ARCHITECTURAL WALLS AS REQUIRED TO AVOID CONFLICT OR EXPOSURE OUTSIDE OF WALL OR FINISH.
17. ALL END REACTIONS INDICATED ARE UNFACTORED (ASD) LOADS.

BEAM SHEAR CONNECTION SCHEDULE		
BEAM SIZE	MINIMUM ROWS OF BOLTS	END REACTION (kips)(U.N.O.)
HSS8,W10	2	10 KIPS
W12,C12	2	15 KIPS
HSS16	3	15 KIPS

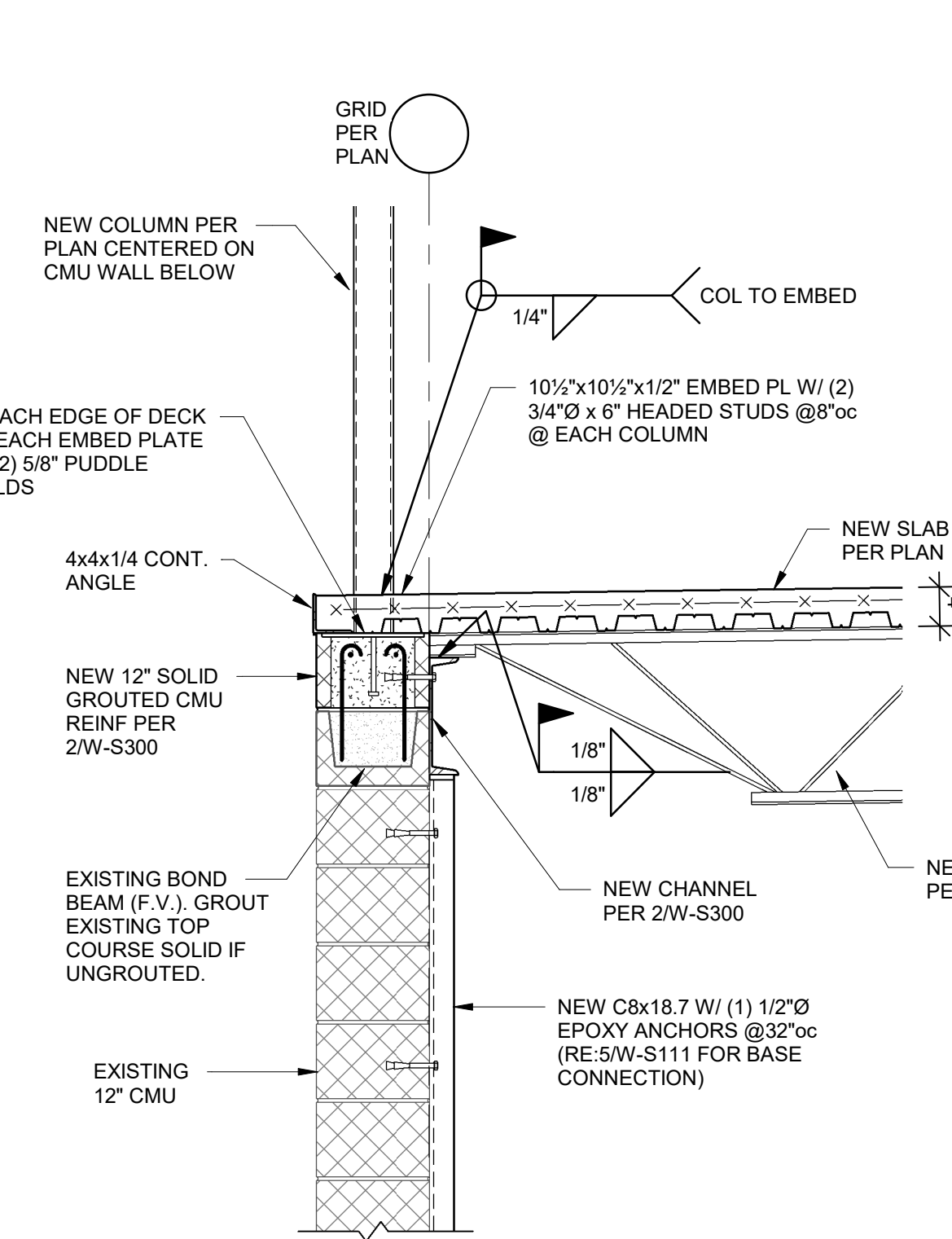


TYPICAL BEAM TO GIRDER CONNECTION

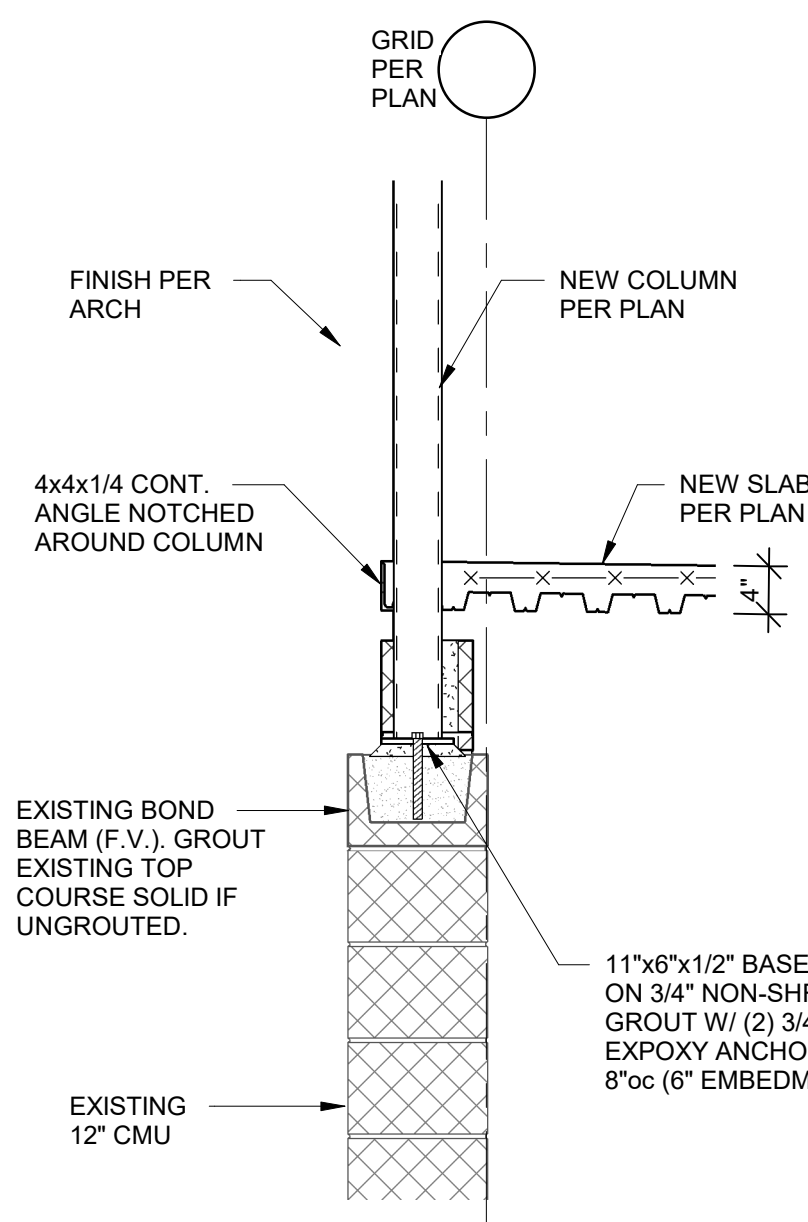
1 DETAIL
3/4" = 1'-0"



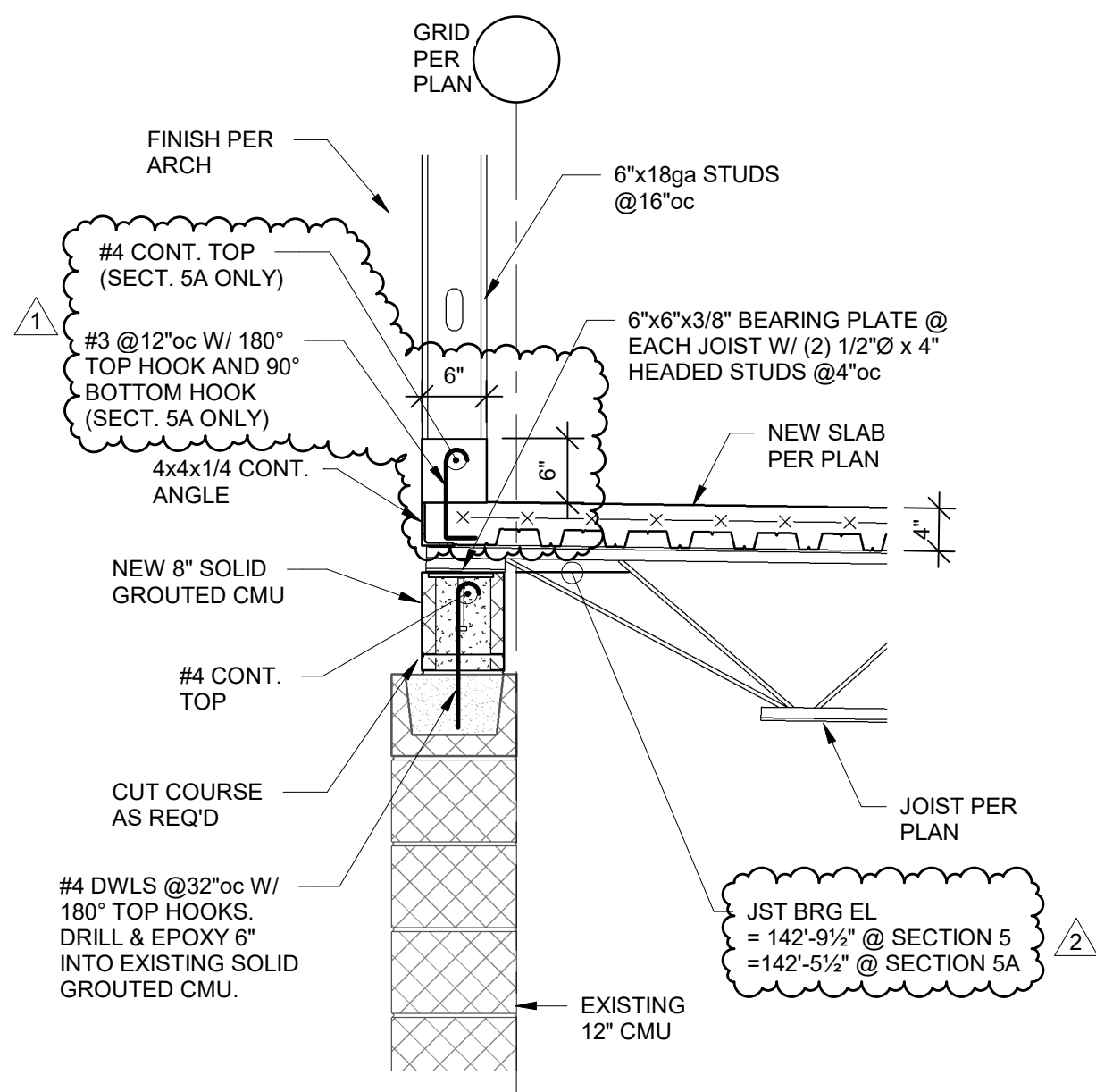
2 SECTION
3/4" = 1'-0"



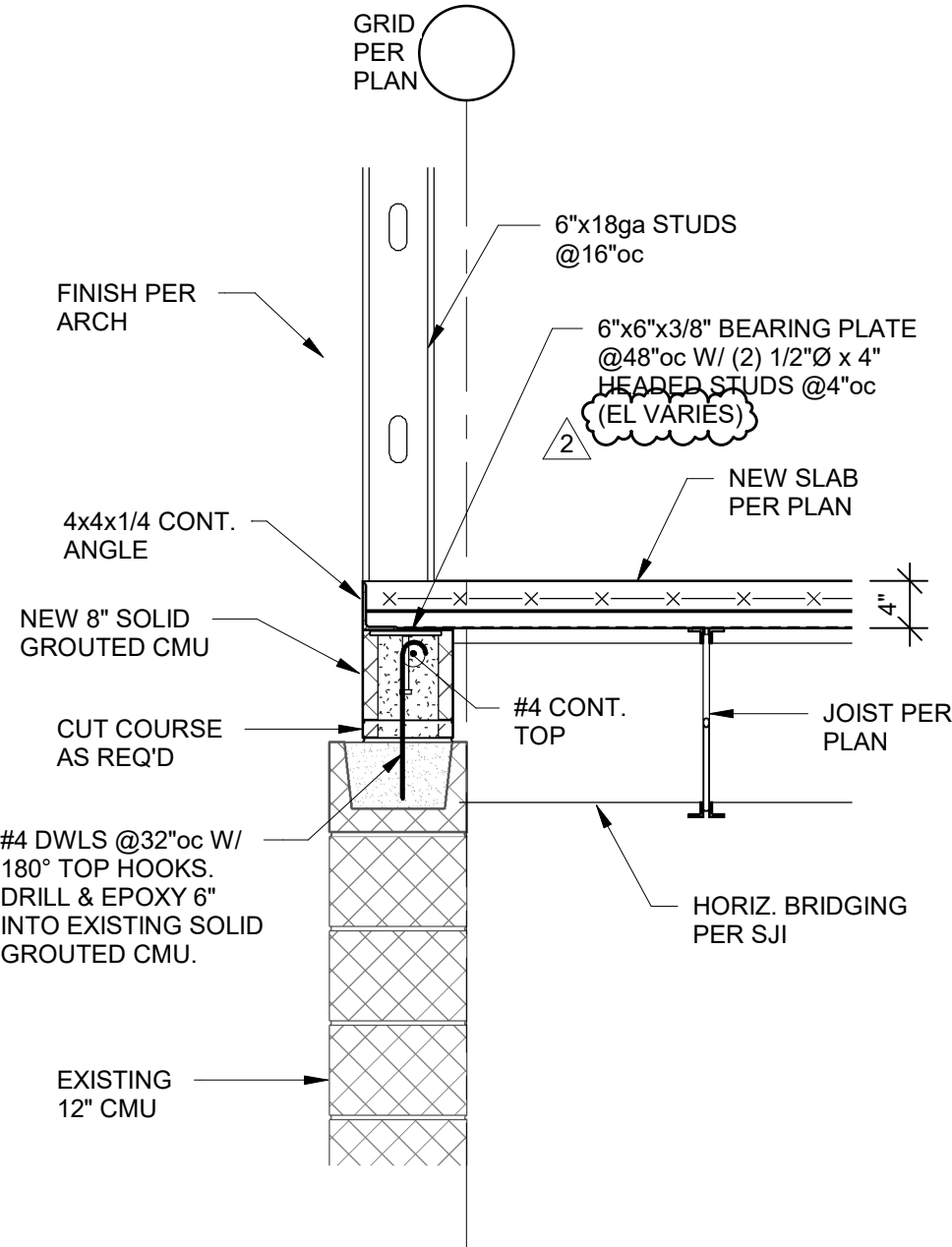
3 SECTION
3/4" = 1'-0"



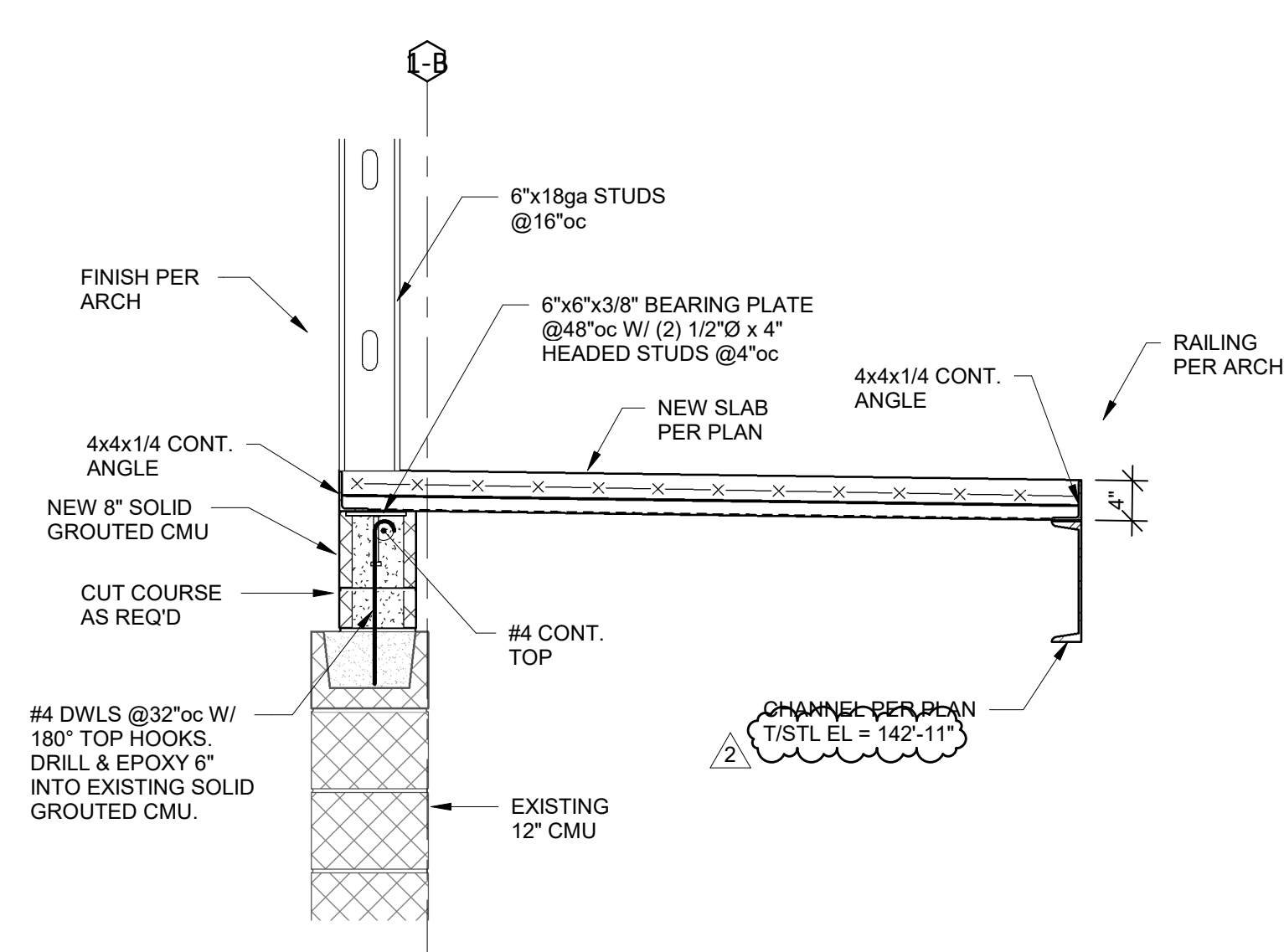
4 SECTION
3/4" = 1'-0"



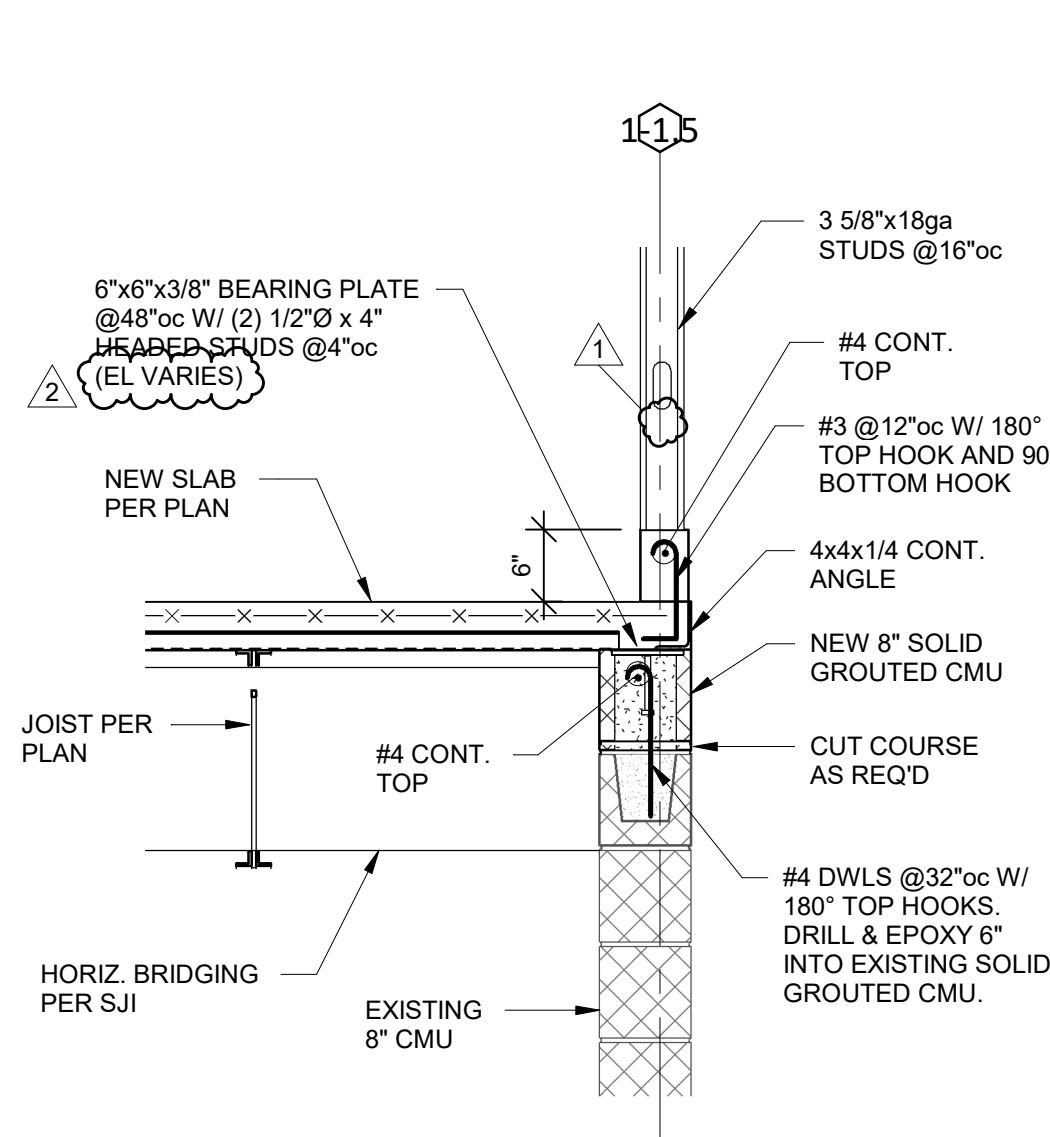
5 SECTION
3/4" = 1'-0"



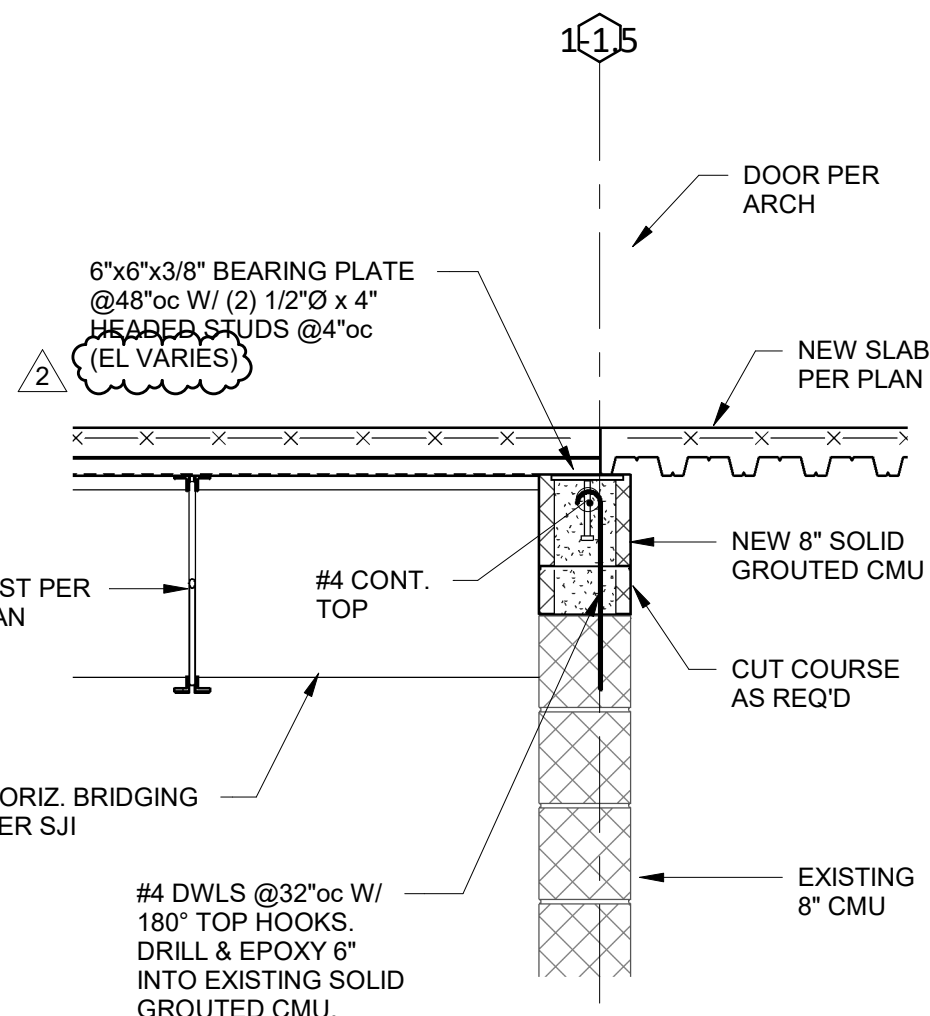
6 SECTION
3/4" = 1'-0"



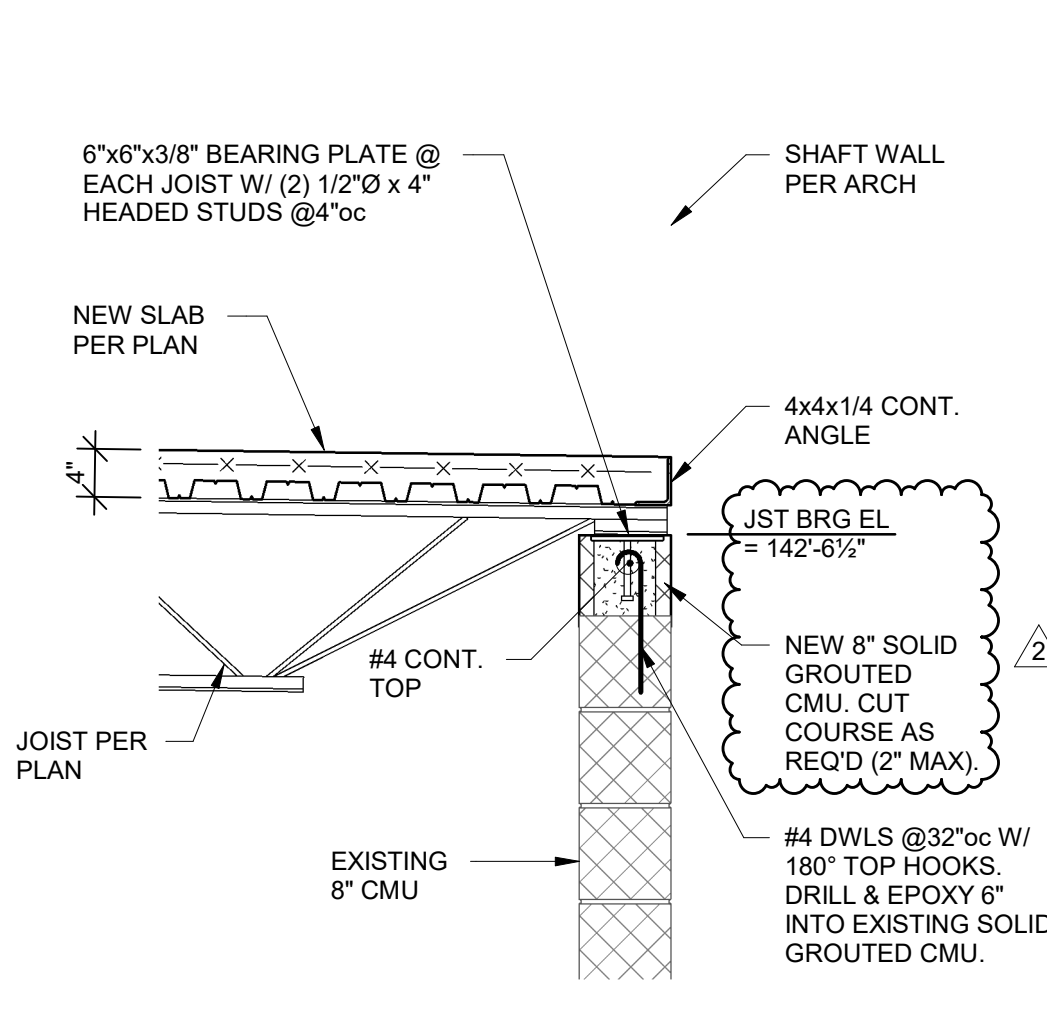
7 SECTION
3/4" = 1'-0"



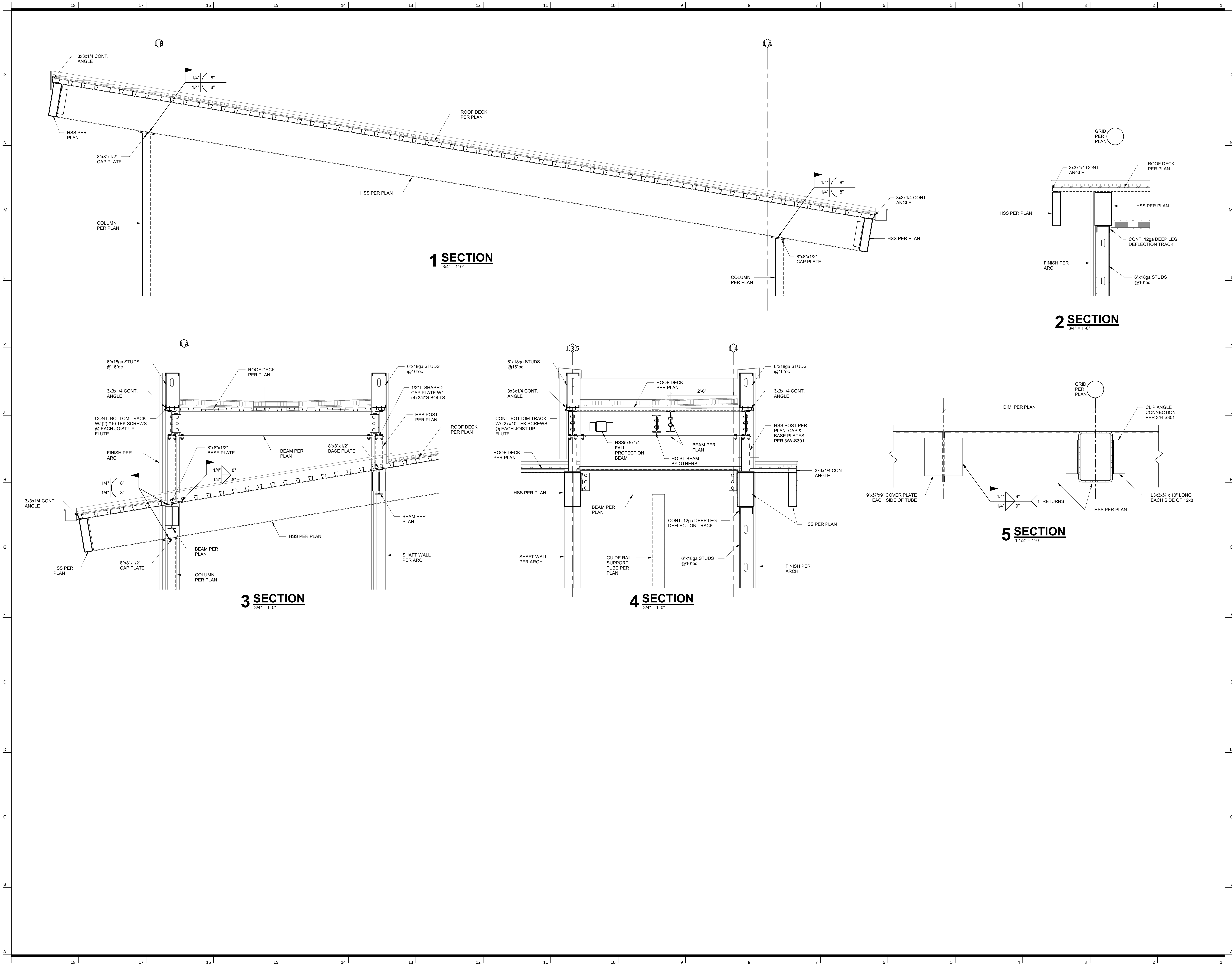
8 SECTION
3/4" = 1'-0"



9 SECTION
3/4" = 1'-0"



10 SECTION
3/4" = 1'-0"



Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 6408

architect:
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816.931.6655 voice
www.gould-evans.com

structural engineer:
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civil engineer:
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913.485.0318

mechanical/electrical engineer:
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Jane Doe Date: MM/DD/YYYY
Architect License No. A-00000000

REVISIONS

Number DESCRIPTION DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

Framing Sections

W-S301

BID SET

1 ELEVATION

2 ELEVATION

3 ELEVATION

4 ELEVATION

5 DETAIL

6 DETAIL

7 DETAIL

8 DETAIL

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Missouri License No.: 2018022991	
Jane Doe	Date: MM/DD/2018
Architect	License No. A-0000000

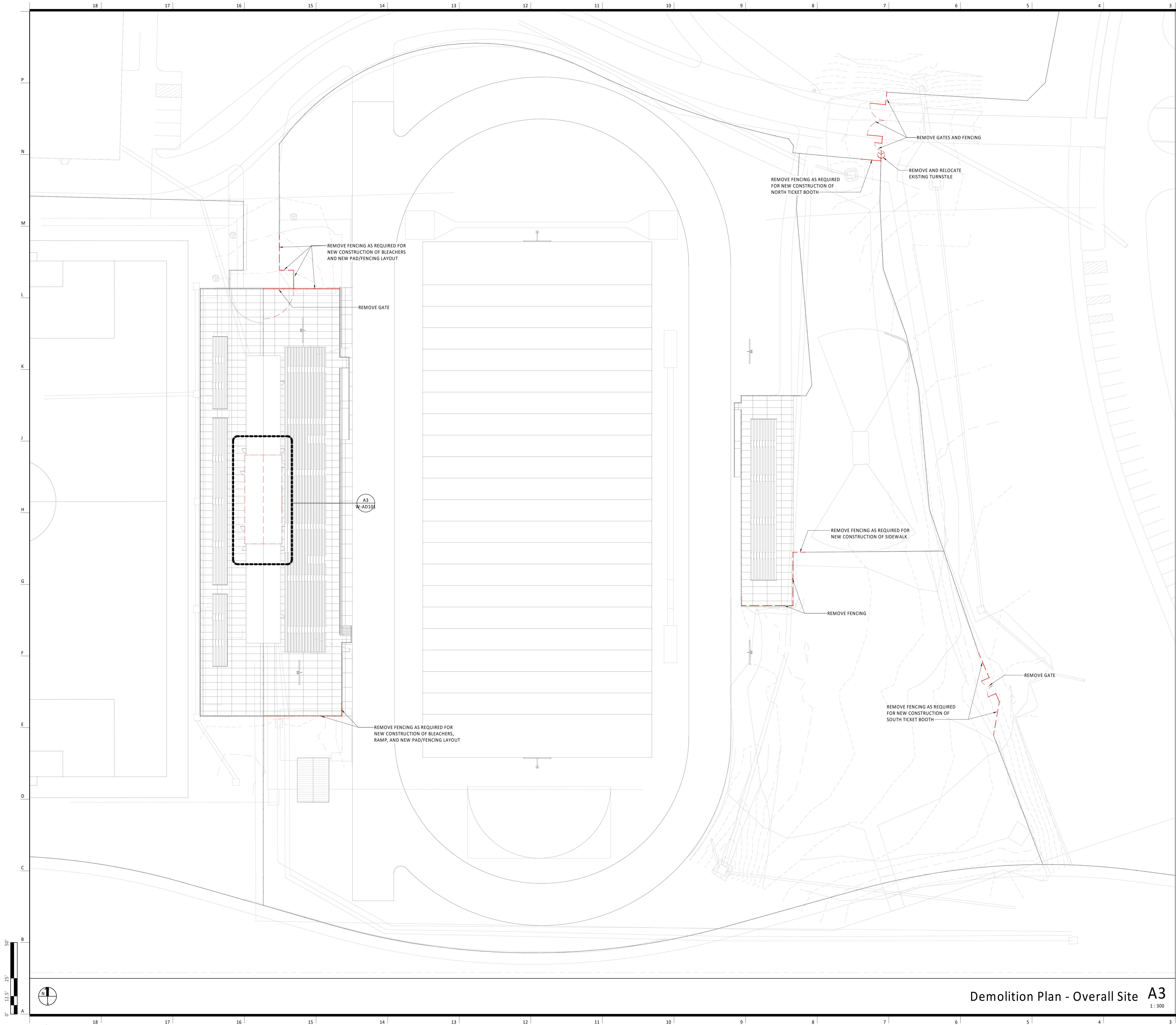
REVISIONS		
Number	DESCRIPTION	DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

Framing Elevations

W-S400

BID SET



General Notes (Demo Site Plan):

- DEMOLITION OF ELEMENTS ON THIS PLAN ARE LOCATED TO THE BEST OF OUR KNOWLEDGE AND SHOULD BE VERIFIED IN FIELD BEFORE BEGINNING DEMOLITION.
- PROTECT SITE ELEMENTS THAT ARE EXISTING TO REMAIN FROM DAMAGE. INCLUDING BUT NOT LIMITED TO, EXISTING FENCE & GATES, EXISTING BLEACHERS, EXISTING ATHLETICS TRACK, EXISTING SCOREBOARD, ETC.
- ALL GATES ASSOCIATED WITH FENCE TO BE DEMOLISHED SHALL ALSO BE DEMOLISHED, VERIFY IN FIELD.
- ALL FENCE TO BE REPLACED IN PLACE SHALL ALSO HAVE ANY CORRESPONDING GATES REPLACED. RE: W-AS201, VERIFY IN FIELD.
- FILL ALL POST HOLES AFTER DEMOLITION OF FENCE POSTS.

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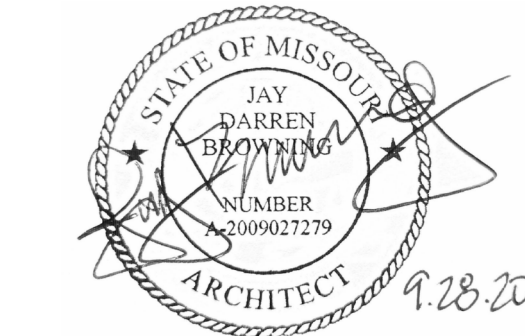
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Jay Darren Browning
Architect License No. A-2009027279

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Number	DESCRIPTION	DATE
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PROJECT NO: 0119-0101
DATE: September 28, 2020

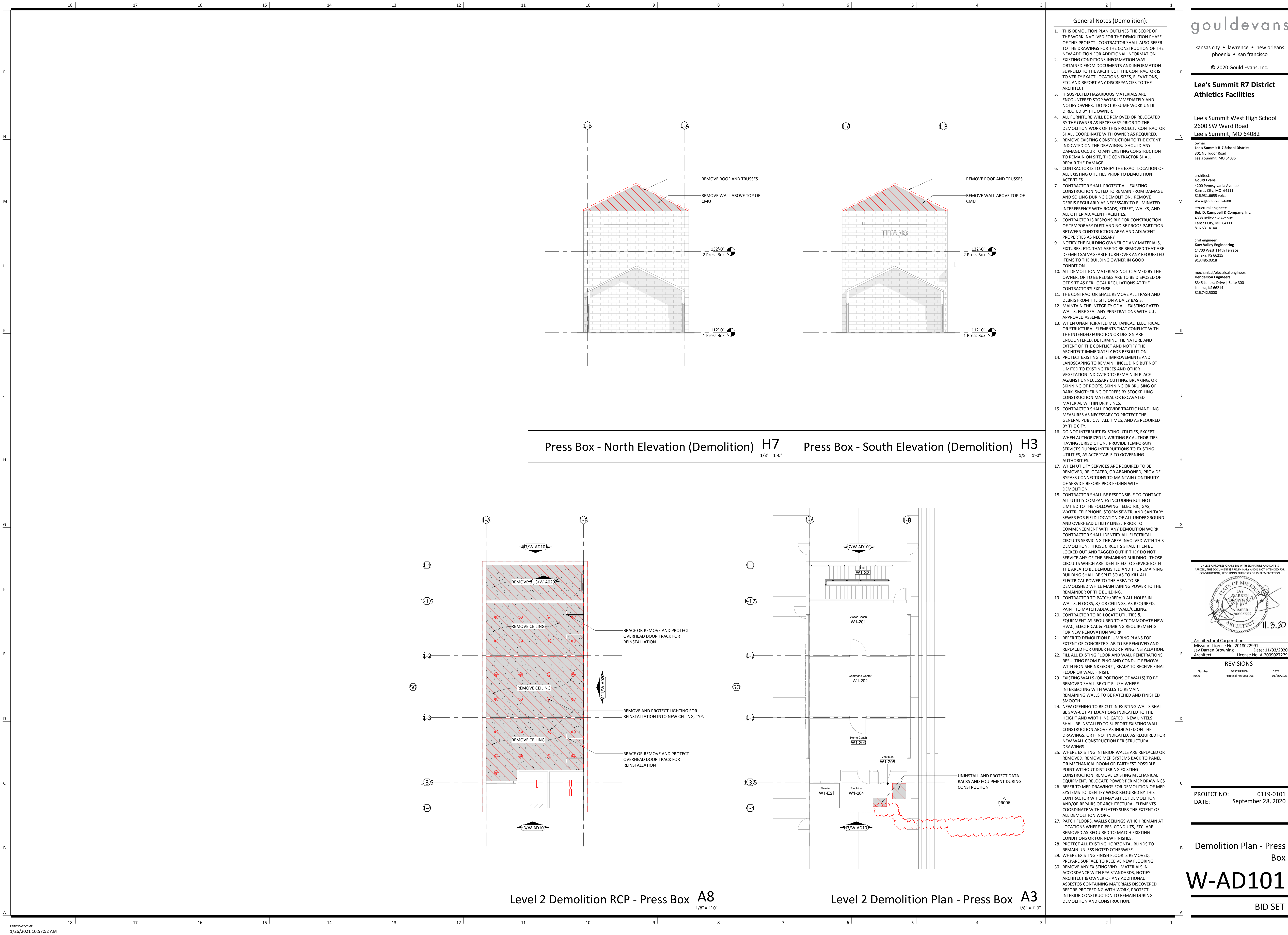
Demolition Plan -
Overall Site

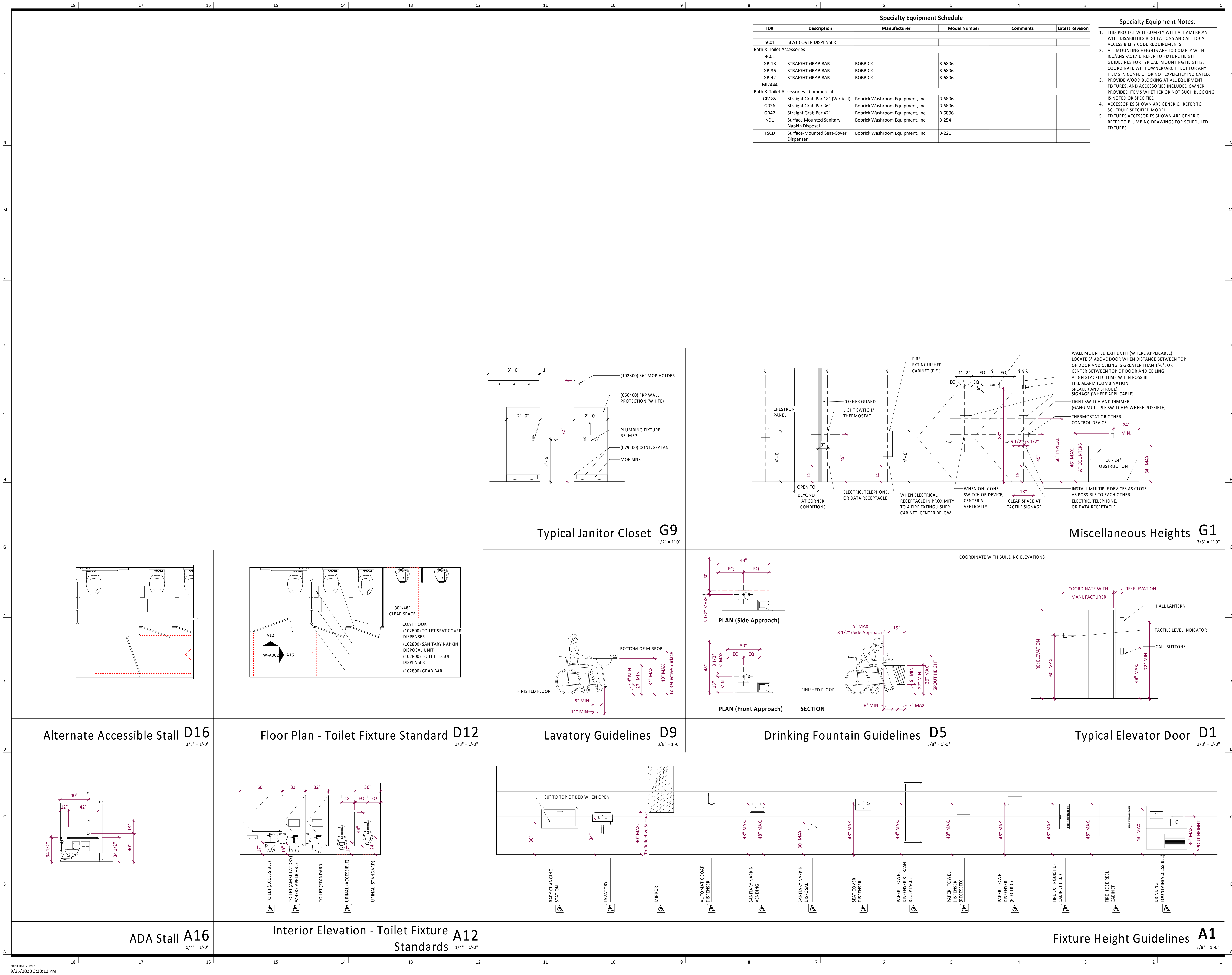
W-AD100

BID SET

Demolition Plan - Overall Site A3
1 : 300

PRINT DATE/TIME:
9/25/2020 3:32:52 PM





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STATE OF MISSOURI
JAY DARREN BROWNING
ARCHITECT
0009027279
9.28.20

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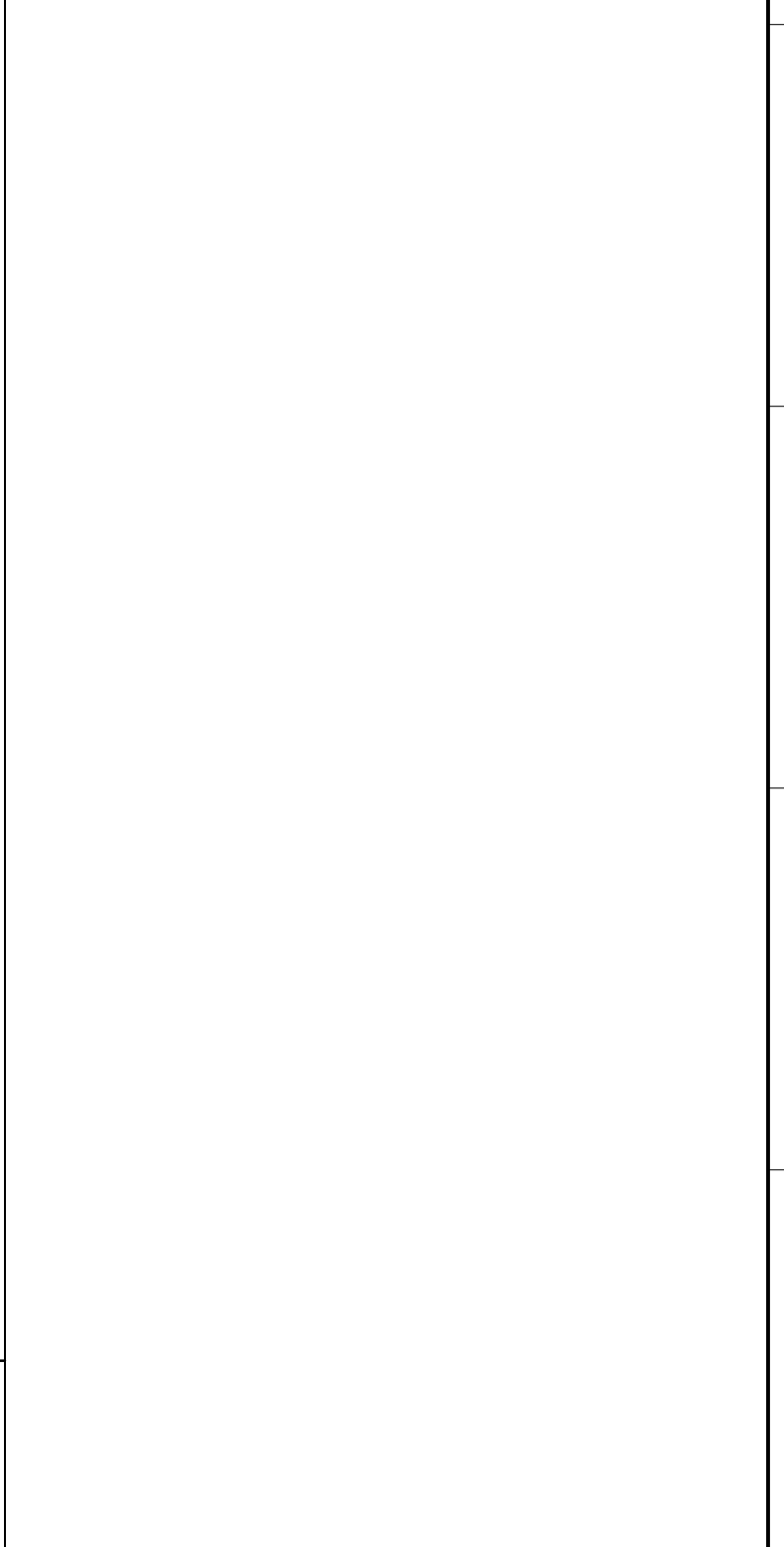
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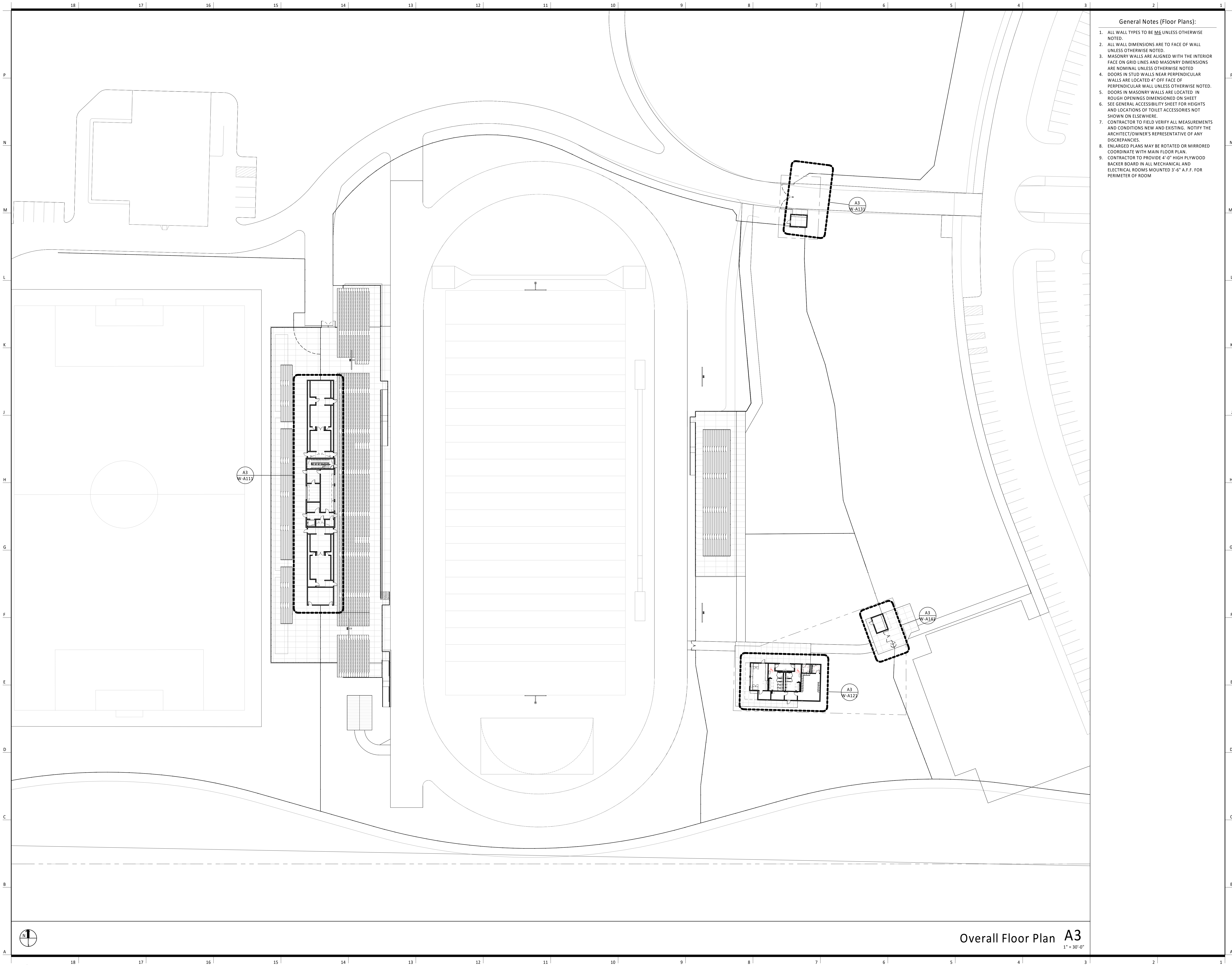
PROJECT NO: 0119-0101
DATE: September 28, 2020

Accessibility Standards

W-A002

BID SET





- General Notes (Floor Plans):
1. ALL WALL TYPES TO BE M6 UNLESS OTHERWISE NOTED.
 2. ALL WALL DIMENSIONS ARE TO FACE OF WALL UNLESS OTHERWISE NOTED.
 3. MASONRY WALLS ARE ALIGNED WITH THE INTERIOR FACE ON GRID LINES AND MASONRY DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED.
 4. DOORS IN STUD WALLS NEAR PERPENDICULAR WALLS ARE LOCATED 4" OFF FACE OF PERPENDICULAR WALL UNLESS OTHERWISE NOTED.
 5. DOORS IN MASONRY WALLS ARE LOCATED IN ROUGH OPENINGS DIMENSIONED ON SHEET.
 6. SEE GENERAL ACCESSIBILITY SHEET FOR HEIGHTS AND LOCATIONS OF TOILET ACCESSORIES NOT SHOWN ON ELSEWHERE.
 7. CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS AND CONDITIONS NEW AND EXISTING. NOTIFY THE ARCHITECT/OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
 8. ENLARGED PLANS MAY BE ROTATED OR MIRRORED COORDINATE WITH MAIN FLOOR PLAN.
 9. CONTRACTOR TO PROVIDE 4'-0" HIGH PLYWOOD BACKER BOARD IN ALL MECHANICAL AND ELECTRICAL ROOMS MOUNTED 3'-6" A.F.F. FOR PERIMETER OF ROOM.

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Lee's Summit, MO 64082

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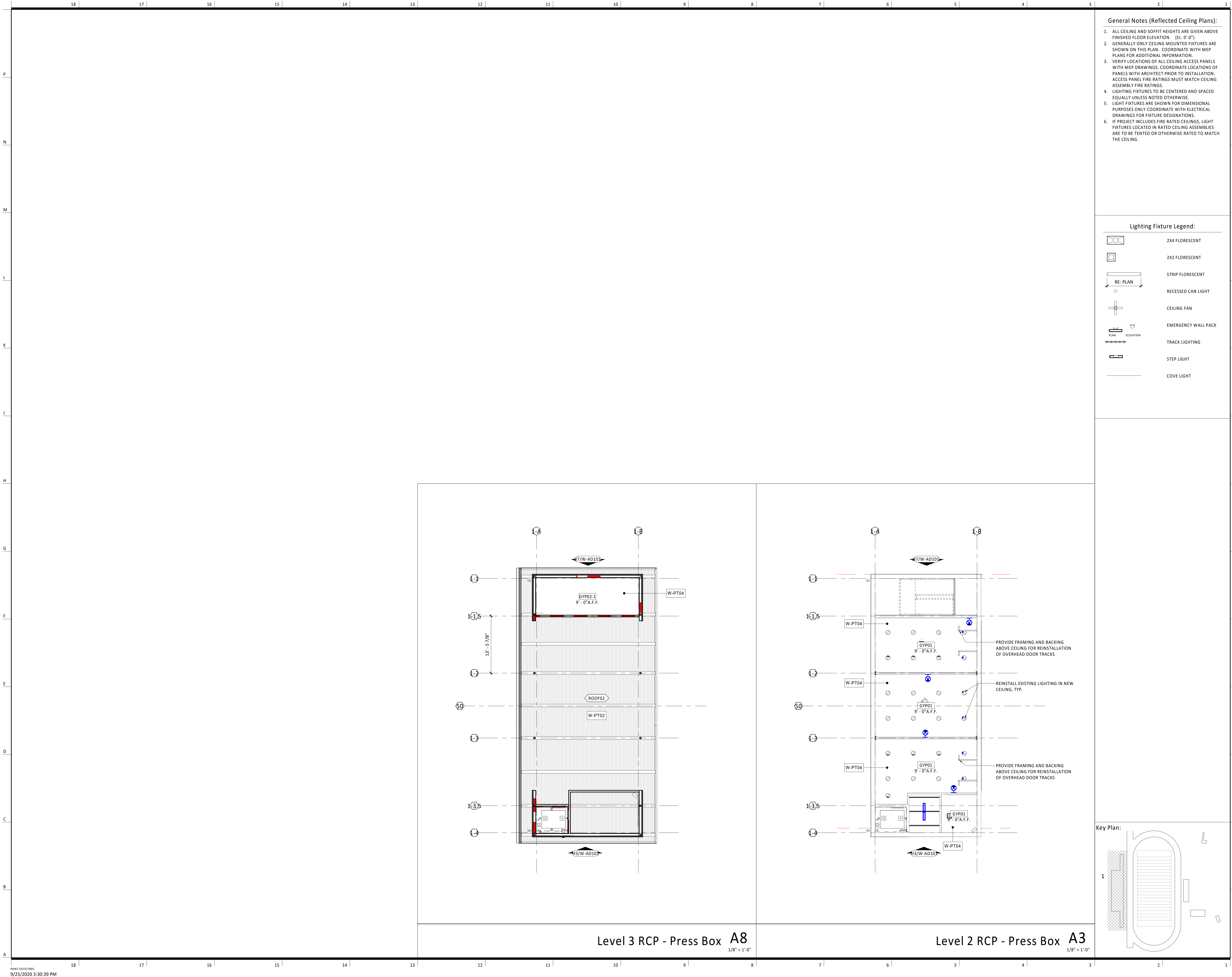
REVISIONS		
Number	DESCRIPTION	DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

Overall Floor Plan

W-A101

BID SET



General Notes (Reflected Ceiling Plans):

1. ALL CEILING AND SOFFIT HEIGHTS ARE GIVEN ABOVE FINISHED FLOOR ELEVATION (EL. 0'-0").
2. GENERALLY ONLY CEILING MOUNTED FIXTURES ARE SHOWN ON THIS PLAN. COORDINATE WITH MEP PLANS FOR ADDITIONAL INFORMATION.
3. VERIFY LOCATIONS OF ALL CEILING ACCESS PANELS WITH MEP DRAWINGS. COORDINATE LOCATIONS OF PANELS WITH ARCHITECT PRIOR TO INSTALLATION. ACCESS PANEL FIRE RATINGS MUST MATCH CEILING ASSEMBLY FIRE RATINGS.
4. LIGHTING FIXTURES TO BE CENTERED AND SPACED EQUALLY UNLESS NOTED OTHERWISE.
5. LIGHT FIXTURES ARE SHOWN FOR DIMENSIONAL PURPOSES ONLY COORDINATE WITH ELECTRICAL DRAWINGS FOR FIXTURE DESIGNATIONS.
6. IF PROJECT INCLUDES FIRE RATED CEILINGS, LIGHT FIXTURES LOCATED IN RATED CEILING ASSEMBLIES ARE TO BE TENTED OR OTHERWISE RATED TO MATCH THE CEILING.

Lighting Fixture Legend:

- 2X4 FLORESCENT
- 2X2 FLORESCENT
- STRIP FLORESCENT
- RECESSED CAN LIGHT
- CEILING FAN
- EMERGENCY WALL PACK
- TRACK LIGHTING
- STEP LIGHT
- COVE LIGHT

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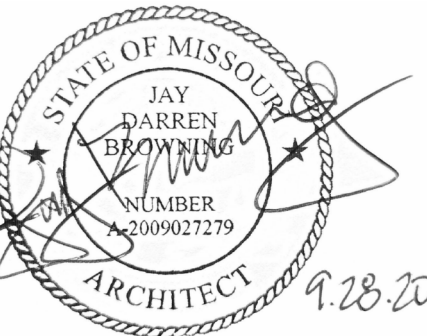
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Architect License No. A-2009027279

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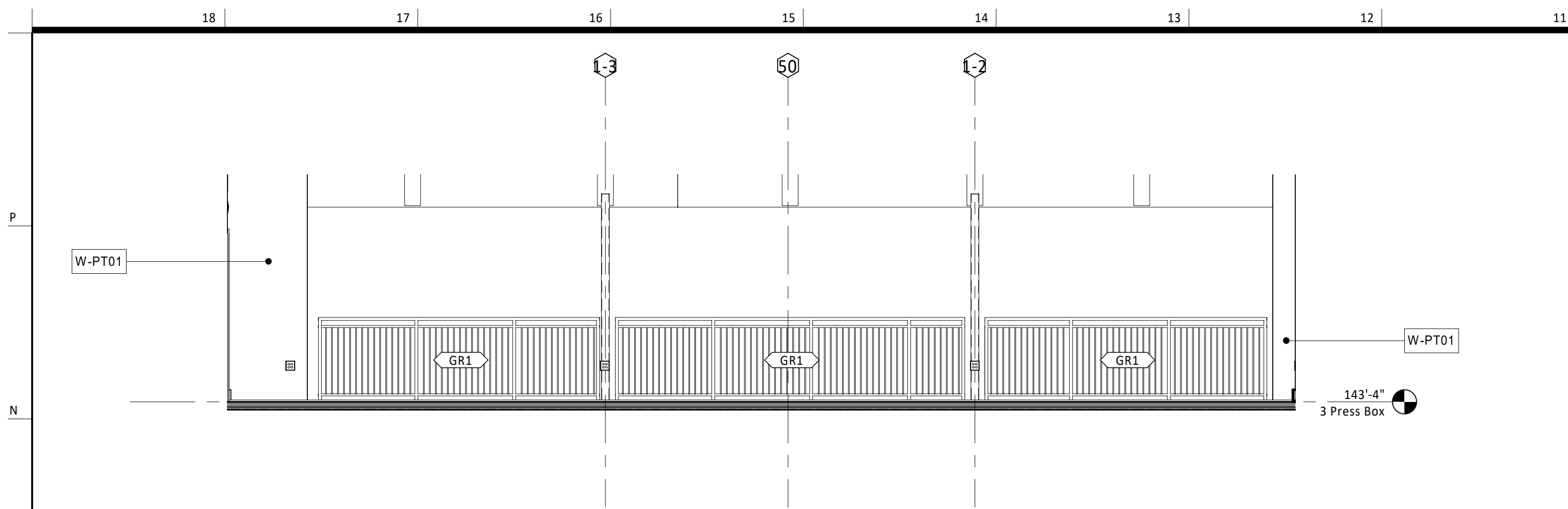
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DATE: September 28, 2020

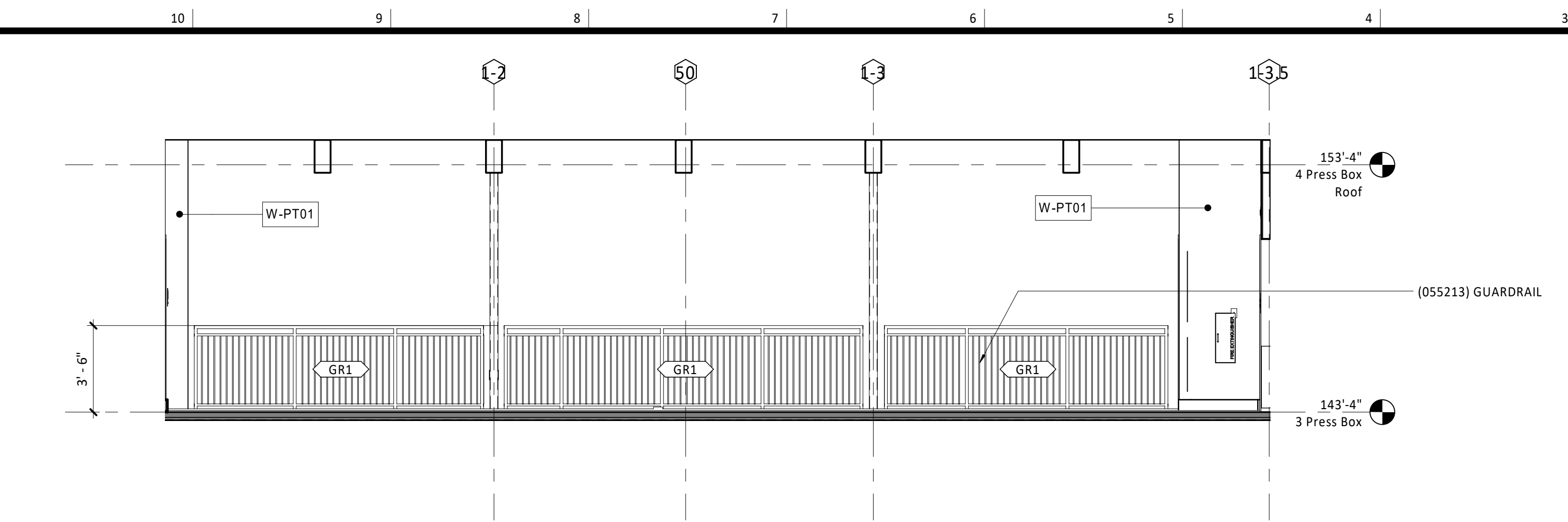
Press Box - Reflected
Ceiling Plans

W-A112

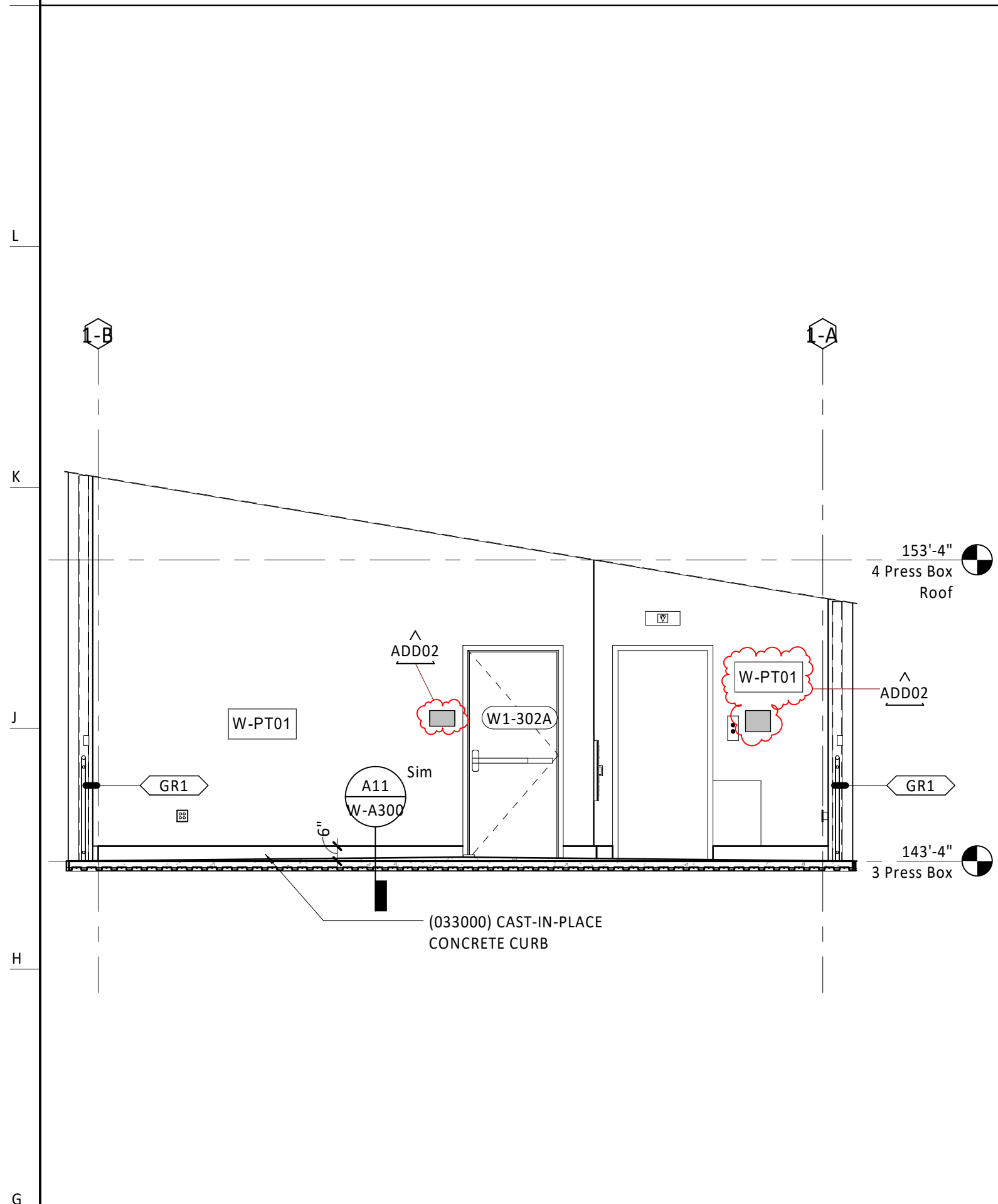
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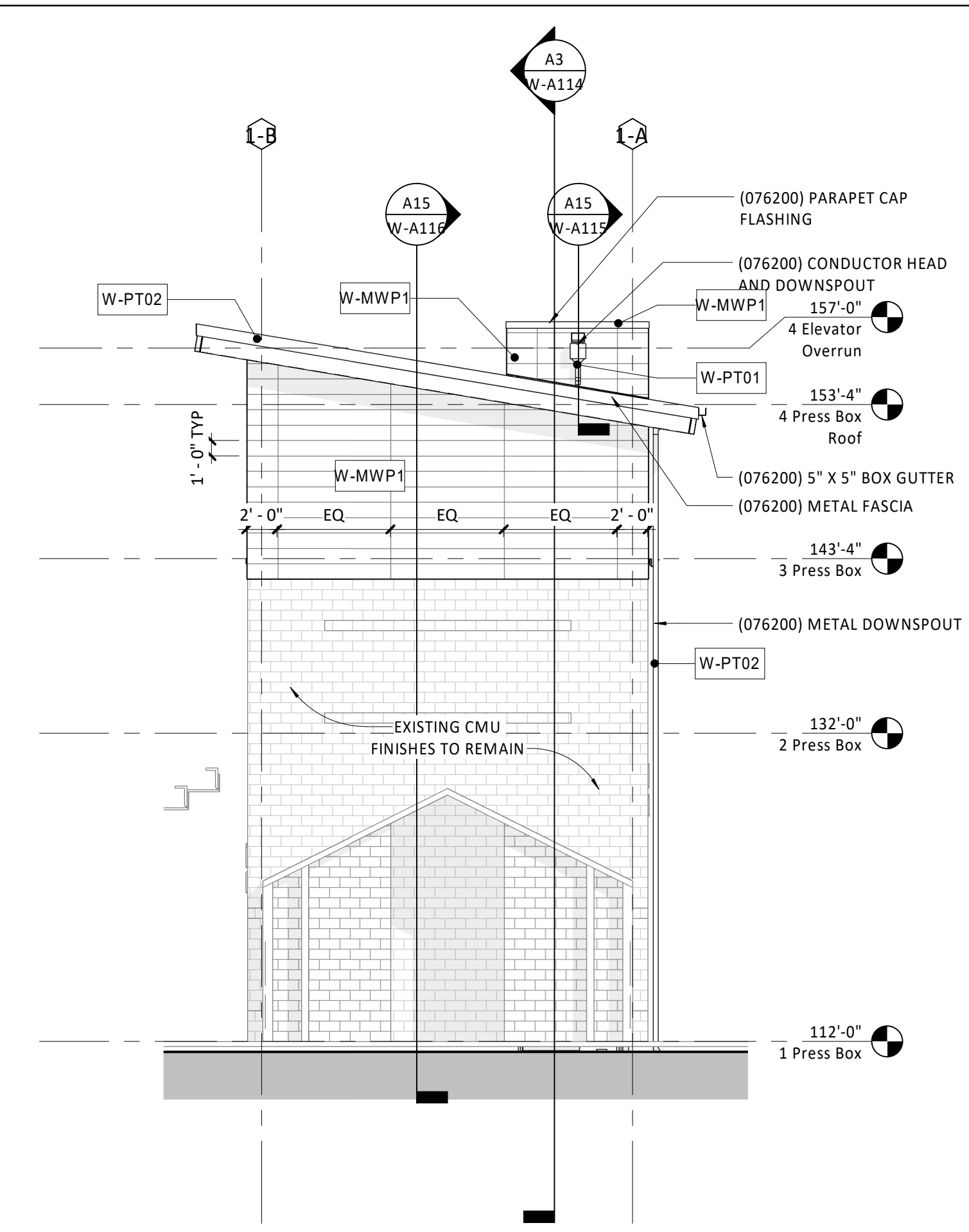
Interior Elevation - Video Deck West M11
1/4" = 1'-0"



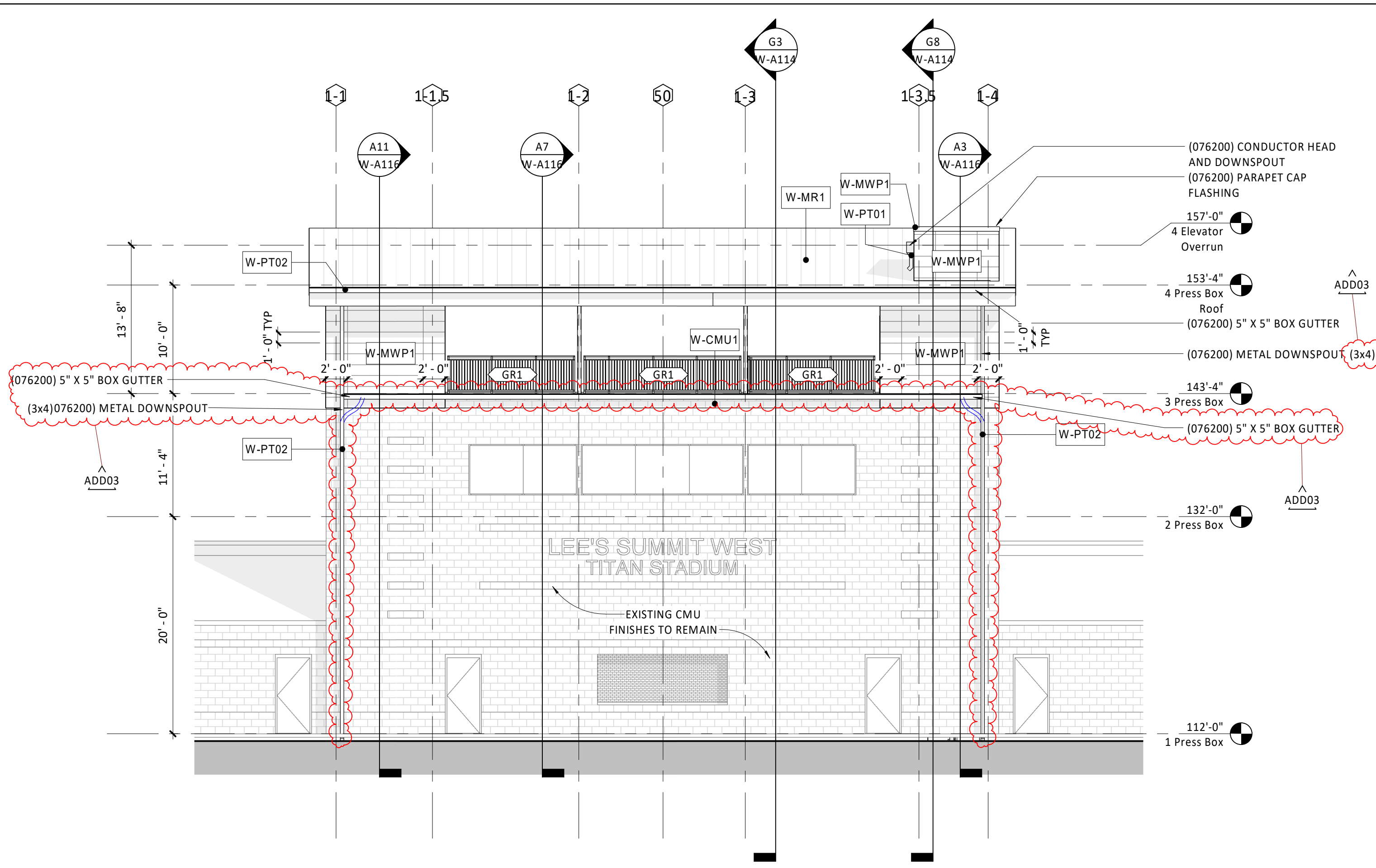
Interior Elevation - Video Deck East M3
1/4" = 1'-0"



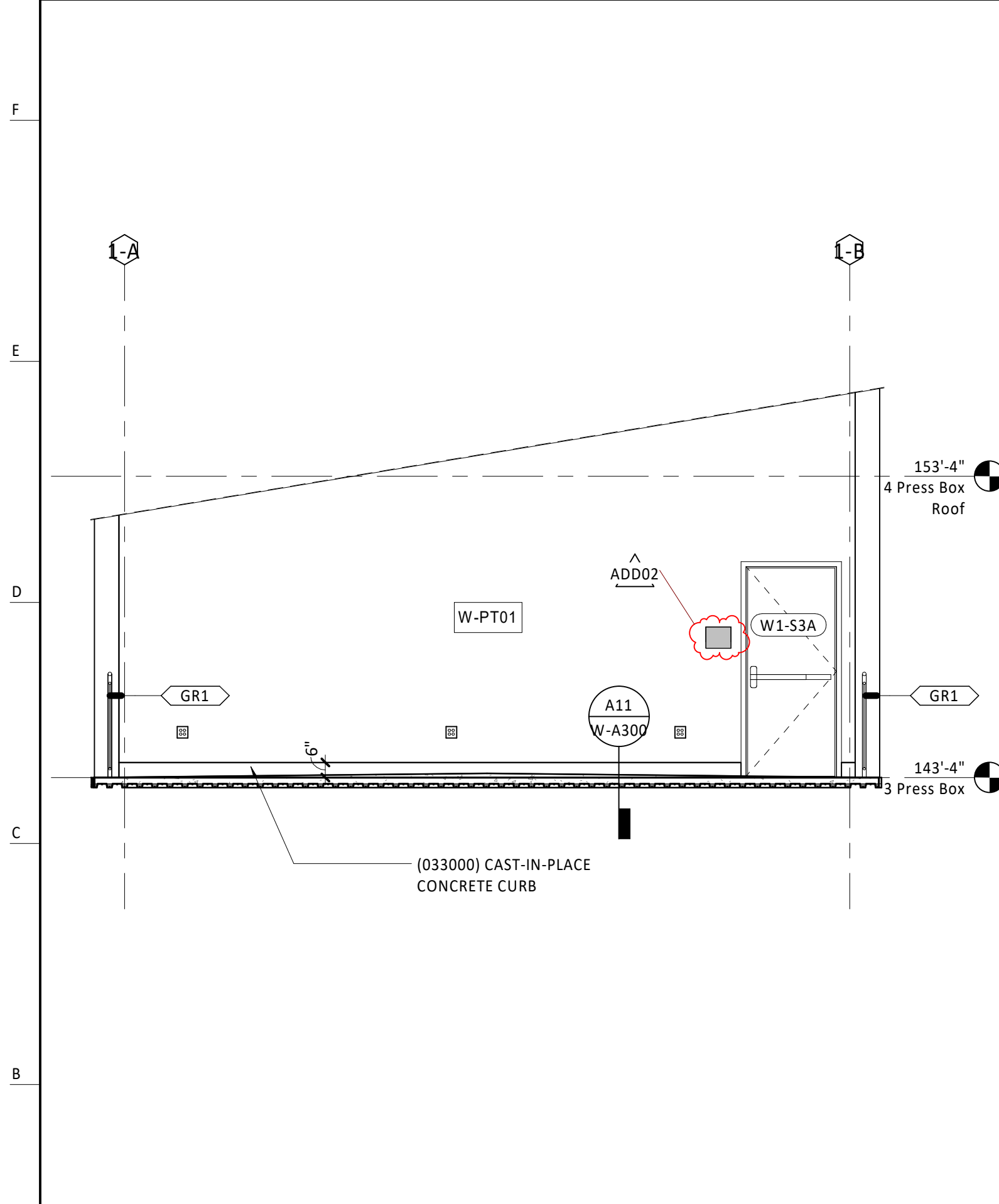
Interior Elevation - Video Deck South G15
1/4" = 1'-0"



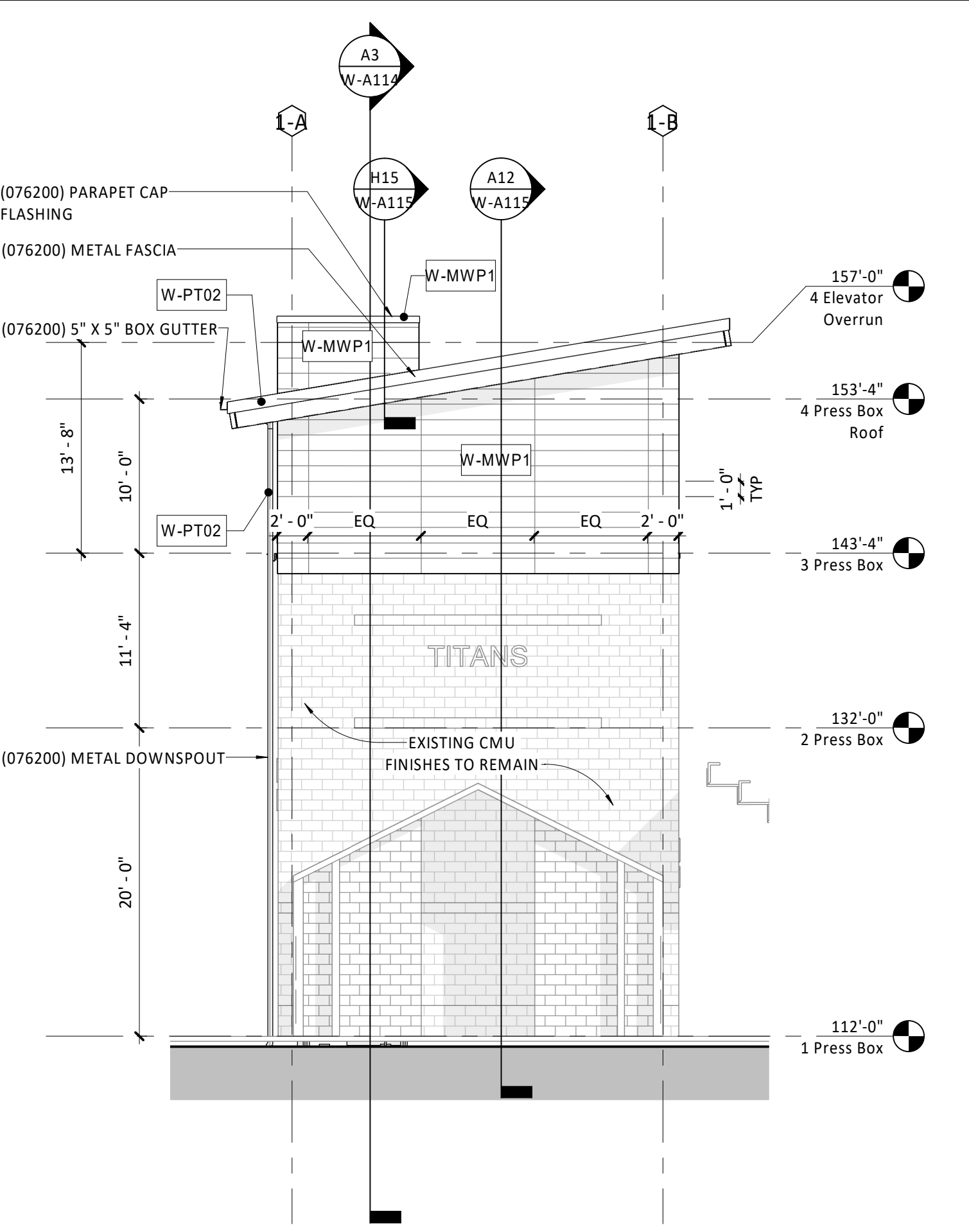
North Elevation - Press Box G11
1/8" = 1'-0"



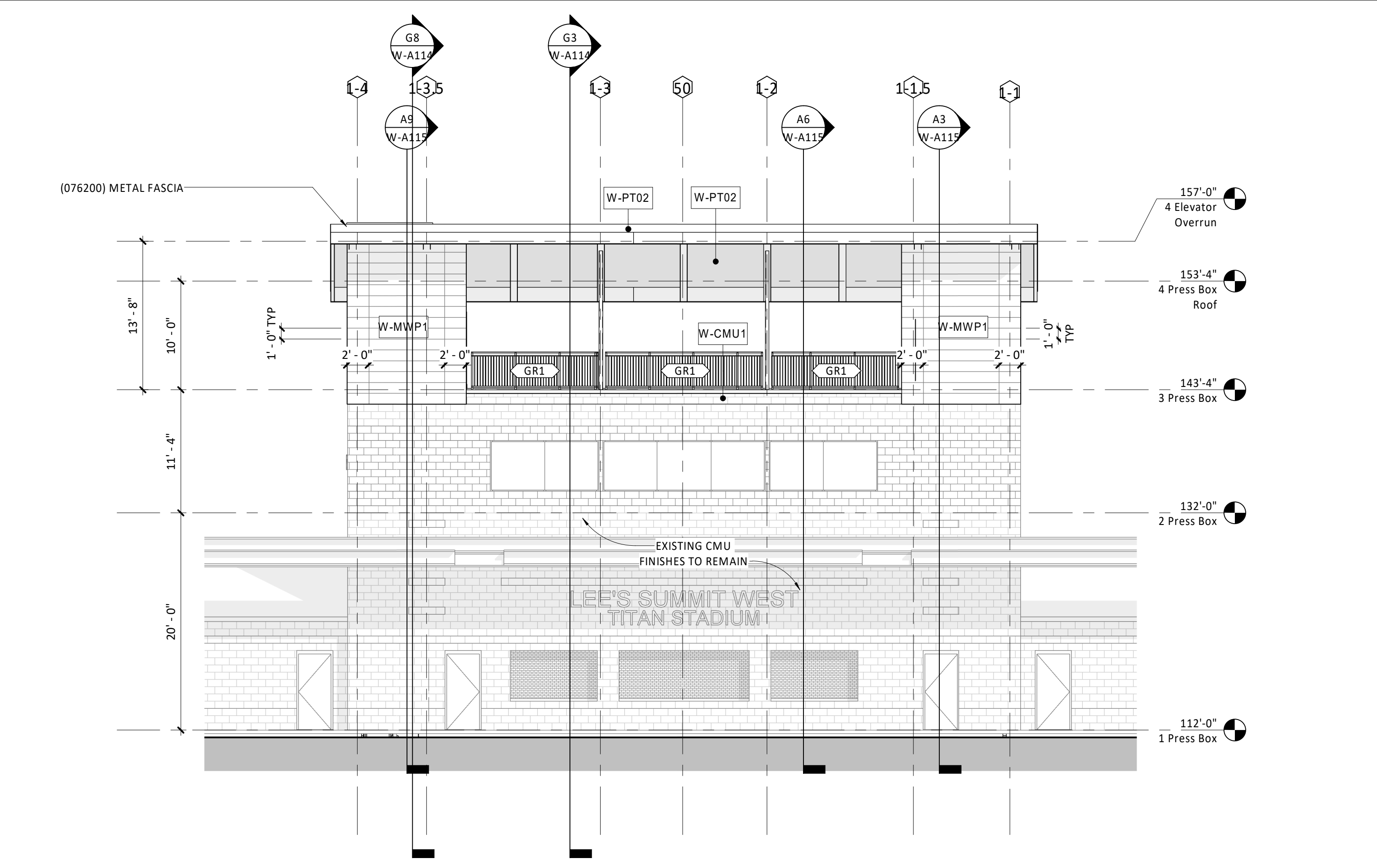
West Elevation - Press Box G3
1/8" = 1'-0"



Interior Elevation - Video Deck North A15
1/4" = 1'-0"



South Elevation - Press Box A11
1/8" = 1'-0"

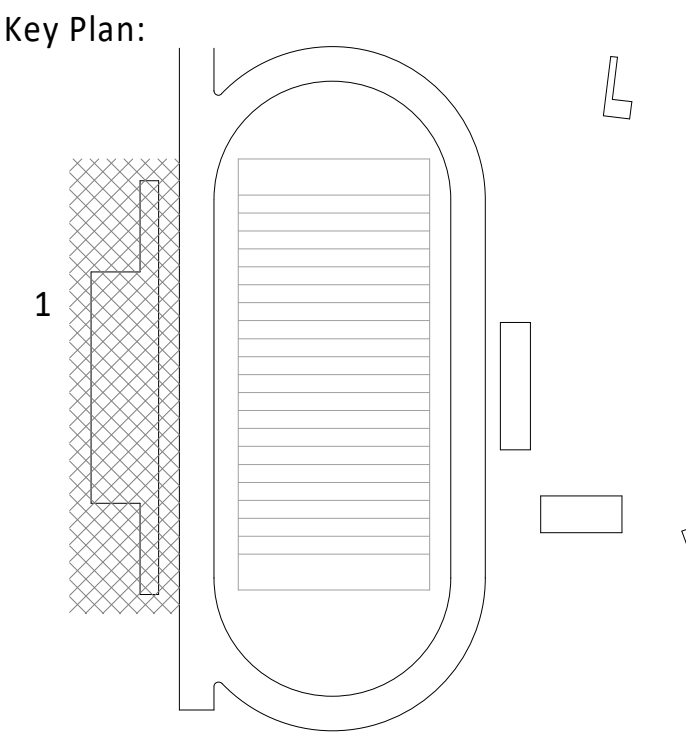


East Elevation - Press Box A3
1/8" = 1'-0"

- General Notes (Exterior Elevations):
1. MATERIALS AND FINISHES INDICATED APPLY TO ALL SIMILAR ELEMENTS
 2. COORDINATE EXTERIOR LIGHTING FIXTURE TYPES AND LOCATIONS WITH ELECTRICAL DRAWINGS.

Finish Legend - Exterior	
MARK	MODEL
042000 CONCRETE MASONRY UNITS	
W-CMU1	MESASTONE - LANDER'S BAY
W-CMU2	ASTRA-GLAZE-SW - COSMIC BLUE
074113 STANDING SEAM METAL ROOF	
W-MR1	SNAP-CLAD - CITYSCAPE
074213 ALUMINUM COMPOSITE WALL PANEL	
W-MWP1	PAC-3000 RS COMPOSITE WALL PANEL - AWARD BLUE
099113 EXTERIOR PAINT	
W-PT01	SW 6804 DIGNITY BLUE
W-PT02	SW 7073 NETWORK GRAY
W-PT03	SW 7024 FUNCTIONAL GRAY

- General Notes (Interior Elevations):
1. REFER TO FINISH LEGEND/SCHEDULE FOR COMPLETE LISTING OF FINISHES
 2. REFER TO PROJECT STANDARDS FOR INSTALLATION INFORMATION FOR ACCESSORIES, TOILET FIXTURES, ETC.
 3. REFER TO PROJECT STANDARDS FOR DEVICES FOR TYPICAL INSTALLATION INFORMATION.
 4. AT GYP SOFFIT CONTROL JOINTS, CONTINUE CONTROL JOINT UP BOTH VERTICAL FACES OF SOFFIT.



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Lee's Summit R7 District
Athletics Facilities

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Lee's Summit, MO 64082

owner:
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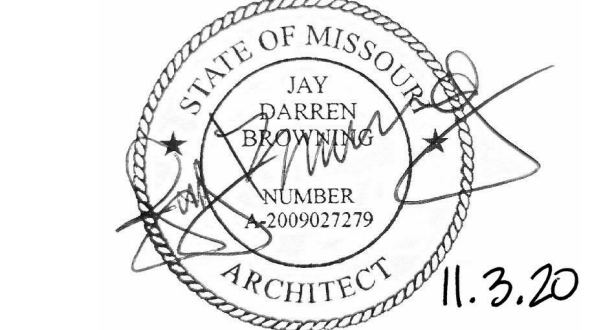
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Jay Darren Browning Date: 11/03/2020
Architect License No. A-2009027279

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Number	DESCRIPTION	DATE
ADD02	ADDENDUM 02	10/10/2020
ADD03	ADDENDUM 03	10/23/2020

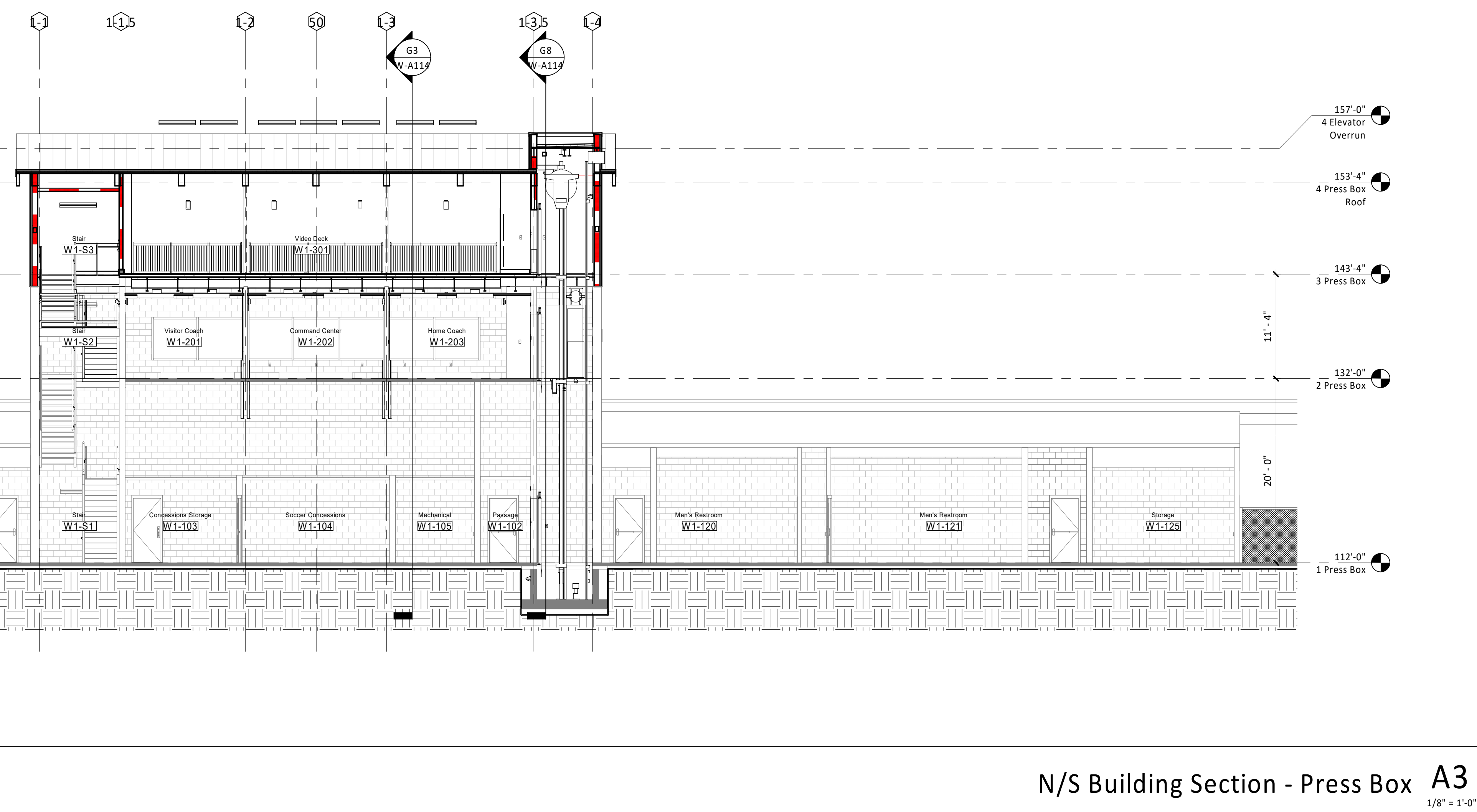
PROJECT NO: 0119-0101
DATE: September 28, 2020

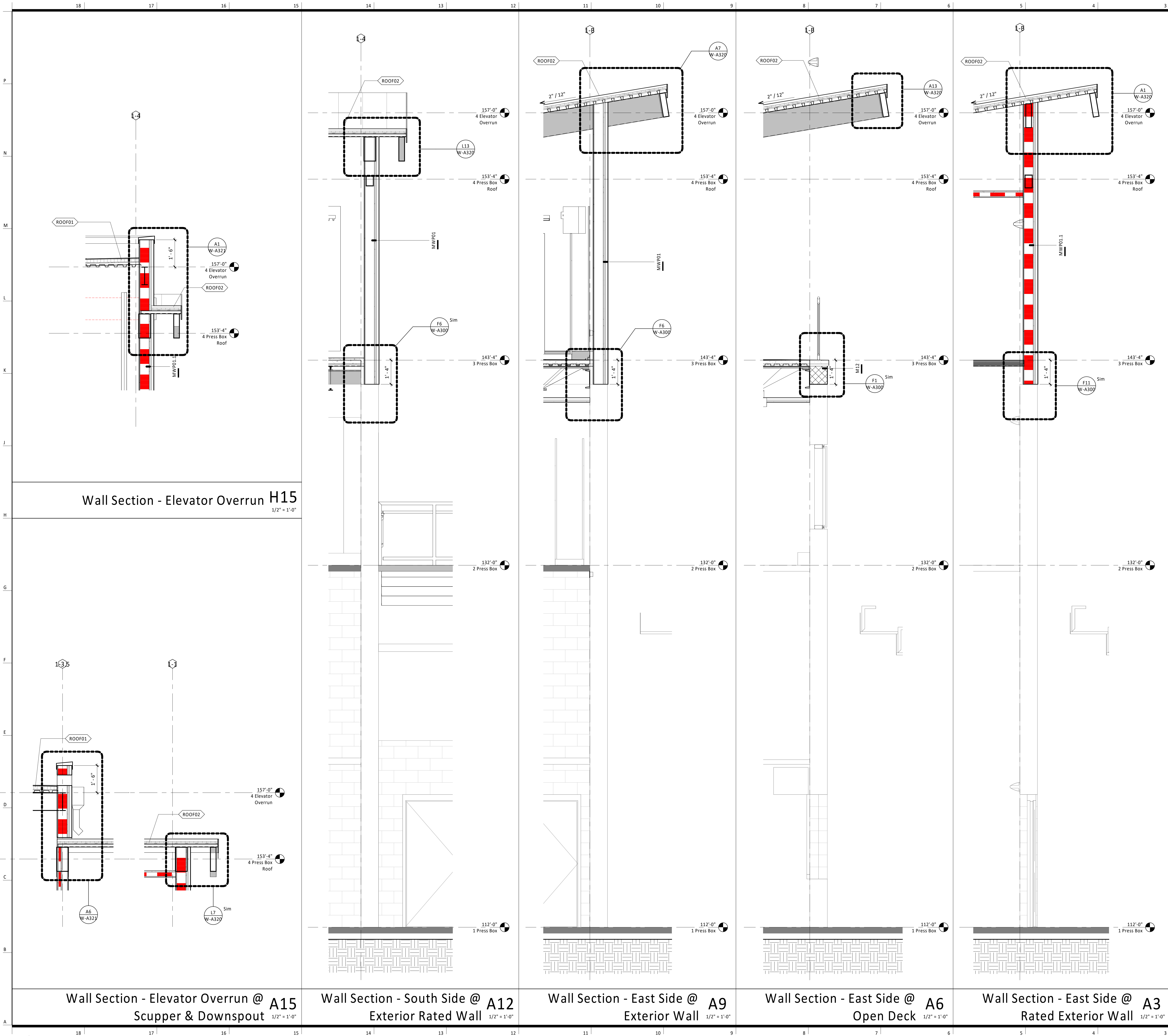
Press Box - Elevations

W-A113

BID SET

BID SET





General Notes (Wall Sections):

- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL FOUNDATIONS NOT SHOWN ON WALL SECTIONS AND FOR DIMENSIONS AND REINFORCING OF FOUNDATIONS
- ALL OPENINGS, FLASHING, COUNTER FLASHING, AND EXPANSION JOINTS SHALL BE WATER-TIGHT.
- ALL OPEN JOINTS, PENETRATIONS, AND OTHER OPENINGS IN THE ENVELOPE SHALL BE SEALED, GASKETED, OR WEATHER-STRIPPED TO LIMIT AIR LEAKAGE
- PROVIDE MOLD RESISTANT GYPSUM BOARD AT ALL EXTERIOR WALLS.

Wall Legend:

RE: Exterior Elevations for exterior fpath #:
RE: Sheet W-A020 for wall assembly types & details

1-Hour: Fire Rated Assembly	
2-Hour: Fire Rated Assembly	
Existing CMU	
New CMU (Field Color)	
New CMU (Accent Color)	

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JAY DARREN BROWNING
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9.28.20

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Jay Darren Browning
Date: 09/28/2020
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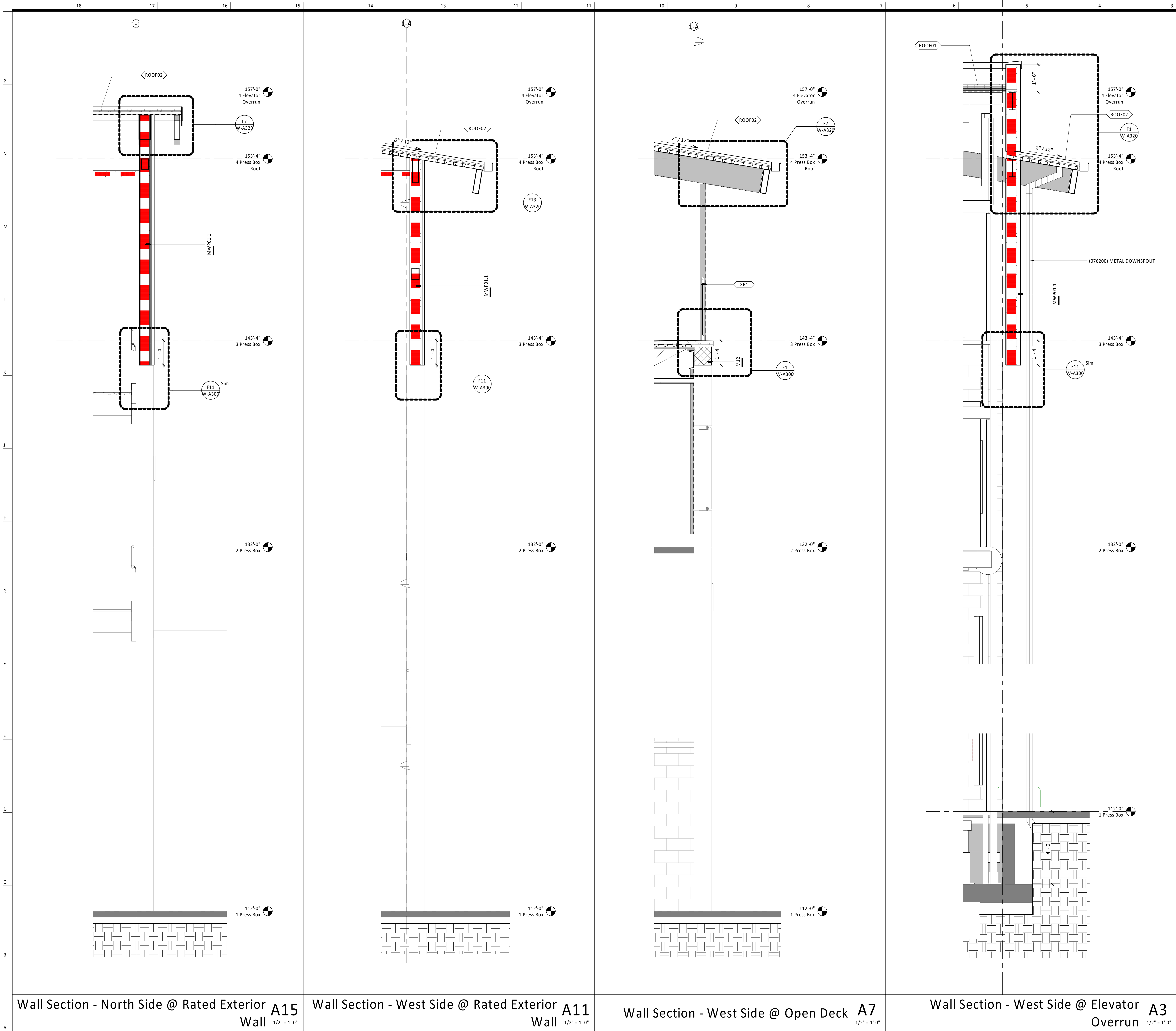
Number	DESCRIPTION	DATE
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PROJECT NO: 0119-0101
DATE: September 28, 2020

**Press Box - Wall
Sections**

W-A115

BID SET



- General Notes (Wall Sections):
- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL FOUNDATIONS NOT SHOWN ON WALL SECTIONS AND FOR DIMENSIONS AND REINFORCING OF FOUNDATIONS
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 - ALL OPEN JOINTS, PENETRATIONS, AND OTHER OPENINGS IN THE ENVELOPE SHALL BE SEALED, GASKETED, OR WEATHER-STRIPPED TO LIMIT AIR LEAKAGE
 - PROVIDE MOLD RESISTANT GYPSUM BOARD AT ALL EXTERIOR WALLS.

Wall Legend:

RE: Exterior Elevations for exterior Path #:
RE: Sheet W-A020 for wall assembly types & details

1-Hour: Fire Rated Assembly	
2-Hour: Fire Rated Assembly	
Existing CMU	
New CMU (Field Color)	
New CMU (Accent Color)	

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Architect License No. A-2009027279

REVISIONS

Number	DESCRIPTION	DATE
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PROJECT NO: 0119-0101
DATE: September 28, 2020

Press Box - Wall
Sections

W-A116

BID SET

Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

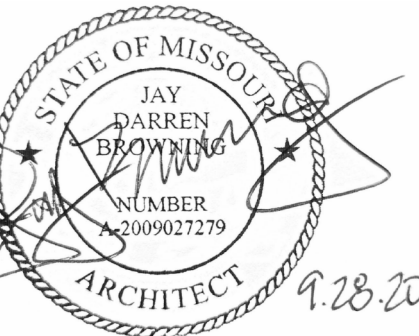
architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.gouldevans.com

structural engineer:
Bob D. Campbell & Company, Inc.
4338 Bellevue Avenue
Kansas City, MO 64111
816.331.4144

civil engineer:
Kaw Valley Engineering
14700 West 134th Terrace
Lenexa, KS 66215
913.485.0318

mechanical/electrical engineer:
Henderson Engineers
8345 Lenexa Drive | Suite 300
Lenexa, KS 66214
816.742.5000

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Jay Darren Browning Date: 09/28/2020
Architect License No. A-2009027279

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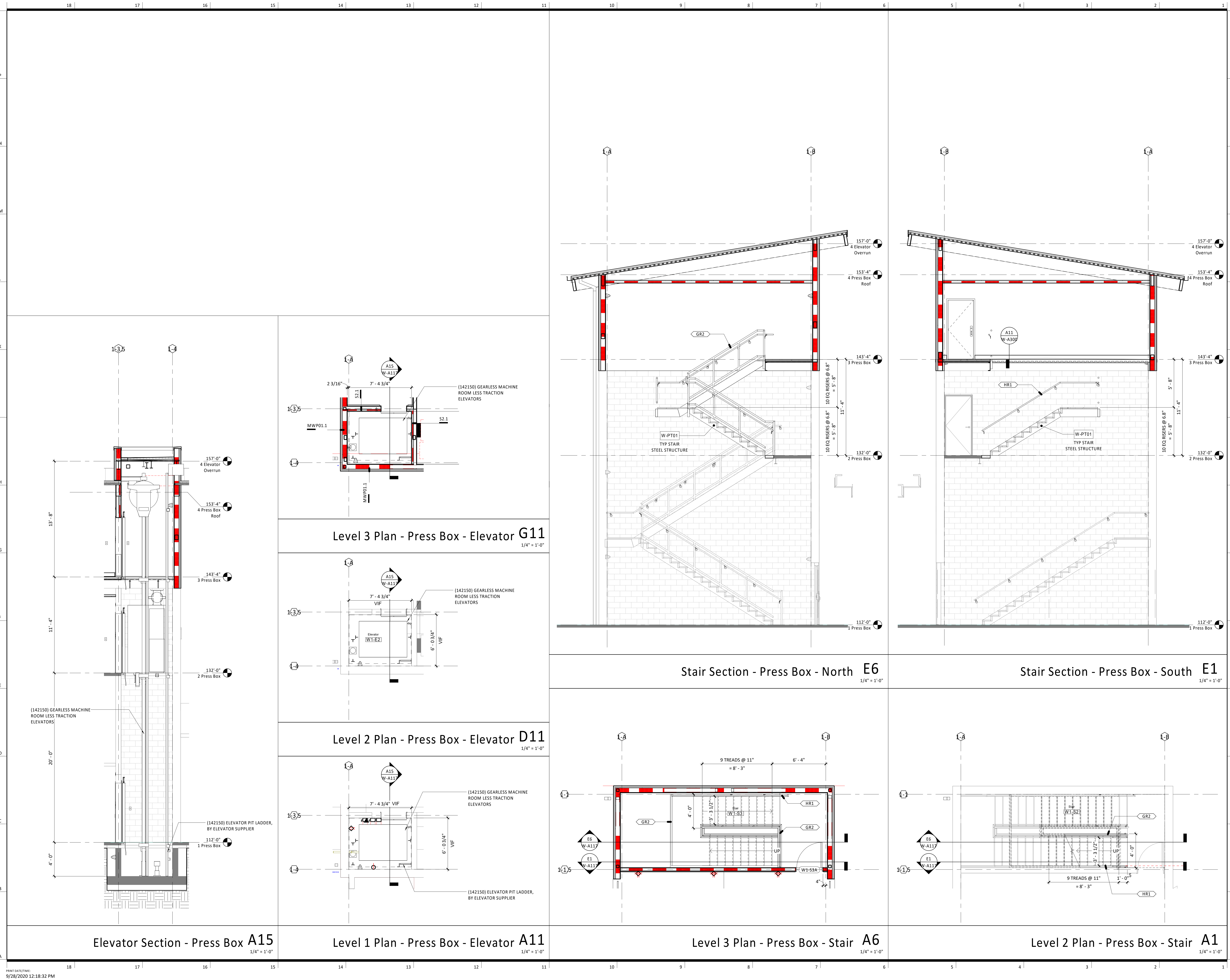
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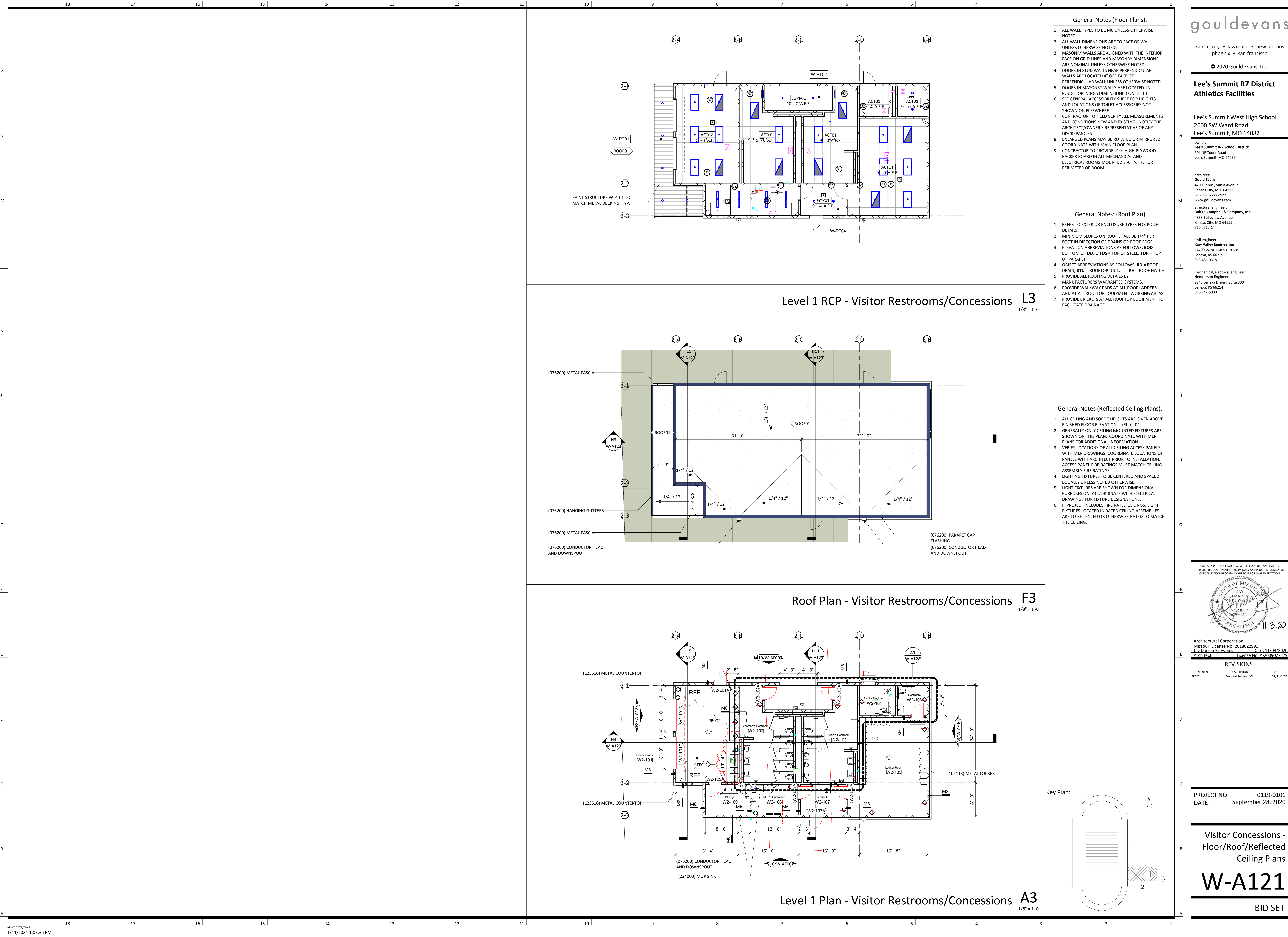
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DATE: September 28, 2020

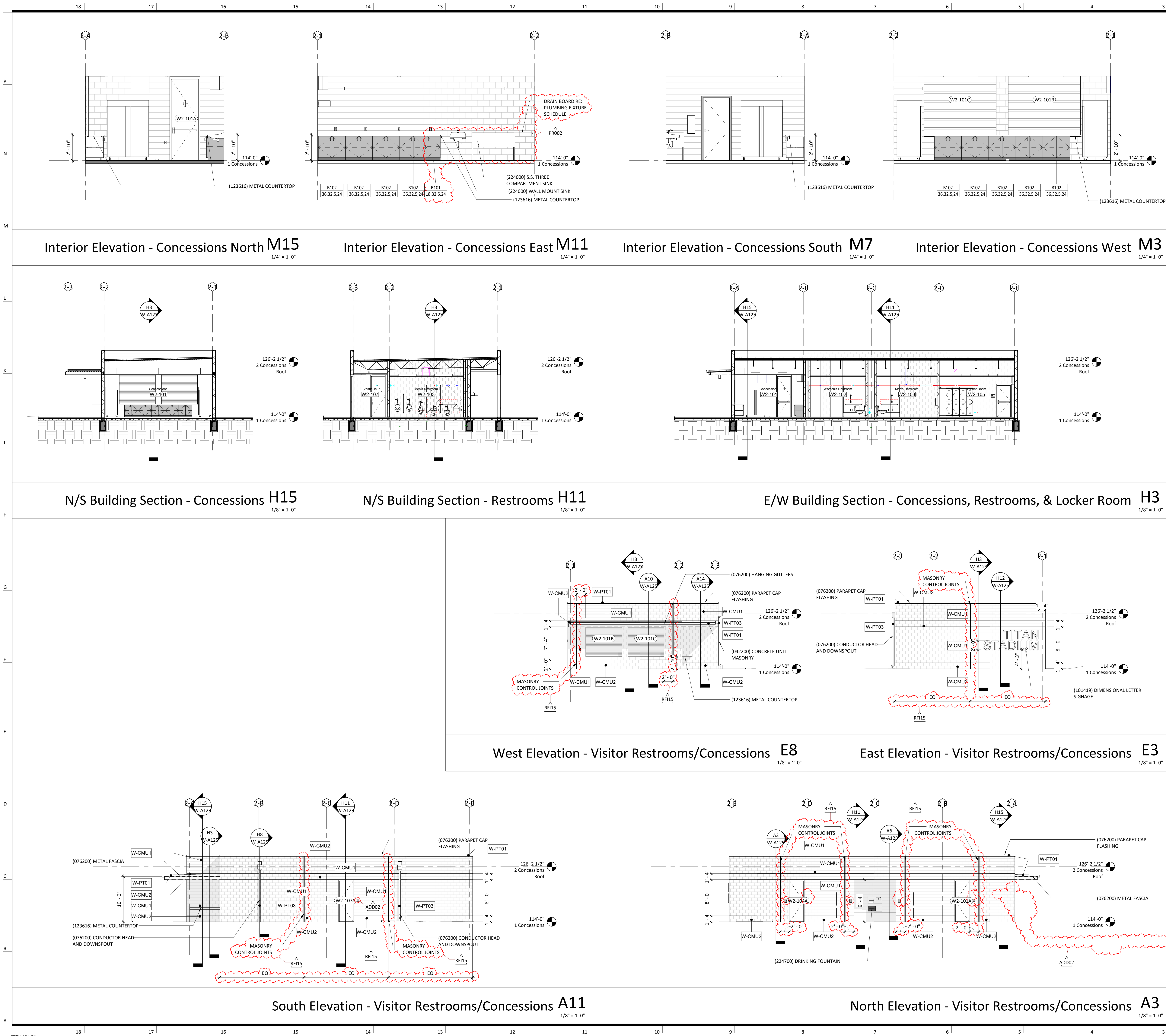
Press Box - Vertical
Circulation Drawings

W-A117

BID SET







General Notes (Exterior Elevations):

- MATERIALS AND FINISHES INDICATED APPLY TO ALL SIMILAR ELEMENTS
- COORDINATE EXTERIOR LIGHTING FIXTURE TYPES AND LOCATIONS WITH ELECTRICAL DRAWINGS.

General Notes (Building Sections):

- BUILDING SECTIONS SHOWN FOR ORIENTATION AND CONTEXT. REFER TO WALL SECTIONS FOR CONSTRUCTION DETAILING AND REFERENCES.

Finish Legend - Exterior

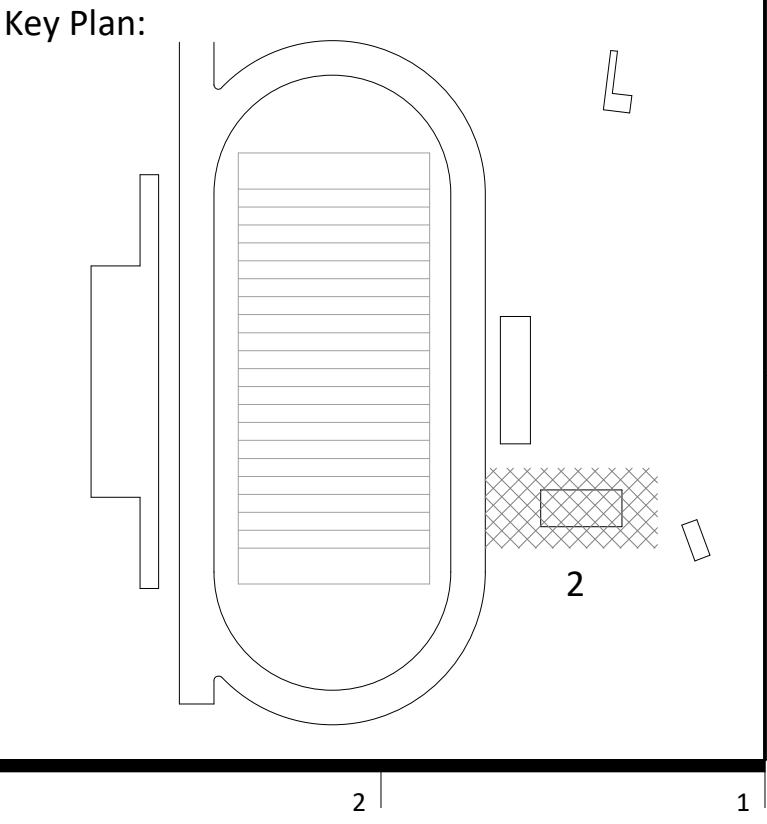
MARK	MODEL
042000 CONCRETE MASONRY UNITS	
W-CMU1	MESASTONE - LANDER'S BAY
W-CMU2	ASTRA-GLAZE-SW - COSMIC BLUE
074113 STANDING SEAM METAL ROOF	
W-MR1	SNAP-GLAD - CITYSCAPE
074213 ALUMINUM COMPOSITE WALL PANEL	
W-MWP1	PAC-9000 RS COMPOSITE WALL PANEL - AWARD BLUE
099113 EXTERIOR PAINT	
W-PT01	SW 6804 DIGNITY BLUE
W-PT02	SW 7073 NETWORK GRAY
W-PT03	SW 7024 FUNCTIONAL GRAY

General Notes (Interior Elevations):

- REFER TO FINISH LEGEND/SCHEDULE FOR COMPLETE LISTING OF FINISHES
- REFER TO PROJECT STANDARDS FOR INSTALLATION INFORMATION FOR ACCESSORIES, TOILET FIXTURES, ETC.
- REFER TO PROJECT STANDARDS FOR DEVICES FOR TYPICAL INSTALLATION INFORMATION.
- AT GYP SOFFIT CONTROL JOINTS, CONTINUE CONTROL JOINT UP BOTH VERTICAL FACES OF SOFFIT.

General Notes (Interior Elevations):

- REFER TO FINISH LEGEND/SCHEDULE FOR COMPLETE LISTING OF FINISHES
- REFER TO PROJECT STANDARDS FOR INSTALLATION INFORMATION FOR ACCESSORIES, TOILET FIXTURES, ETC.
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Lee's Summit R7 District Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.gould-evans.com

structural engineer:
Bob D. Campbell & Company, Inc.
4338 Bellevue Avenue
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civil engineer:
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mechanical/electrical engineer:
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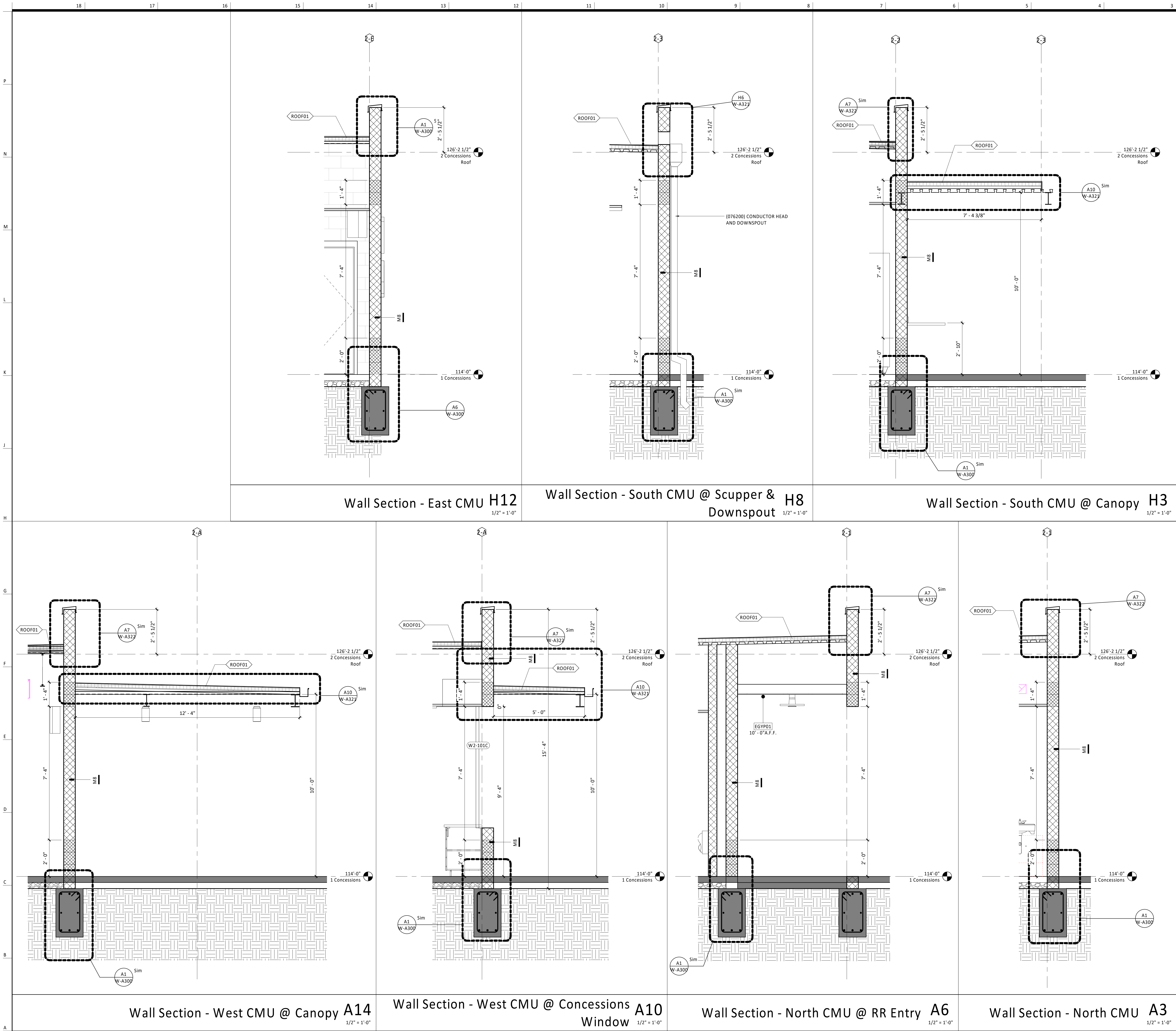
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ADD02	ADDENDUM 02	10/10/2020
PRO02	PROPOSAL REQUEST 002	03/11/2021
RF115		01/18/2021

PROJECT NO: 0119-0101
DATE: September 28, 2020

Visitor Concessions - Elevations & Building Sections

W-A123

BID SET



General Notes (Wall Sections):

- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL FOUNDATIONS NOT SHOWN ON WALL SECTIONS AND FOR DIMENSIONS AND REINFORCING OF FOUNDATIONS
- ALL OPENINGS, FLASHING, COUNTER FLASHING, AND EXPANSION JOINTS SHALL BE WATERTIGHT.
- ALL OPEN JOINTS, PENETRATIONS, AND OTHER OPENINGS IN THE ENVELOPE SHALL BE SEALED, GASKETED, OR WEATHER-STRIPPED TO LIMIT AIR LEAKAGE
- PROVIDE MOLD RESISTANT GYPSUM BOARD AT ALL EXTERIOR WALLS.

Wall Legend:

RE: Exterior Elevations for exterior Path #:
RE: Sheet W-A020 for wall assembly types & details

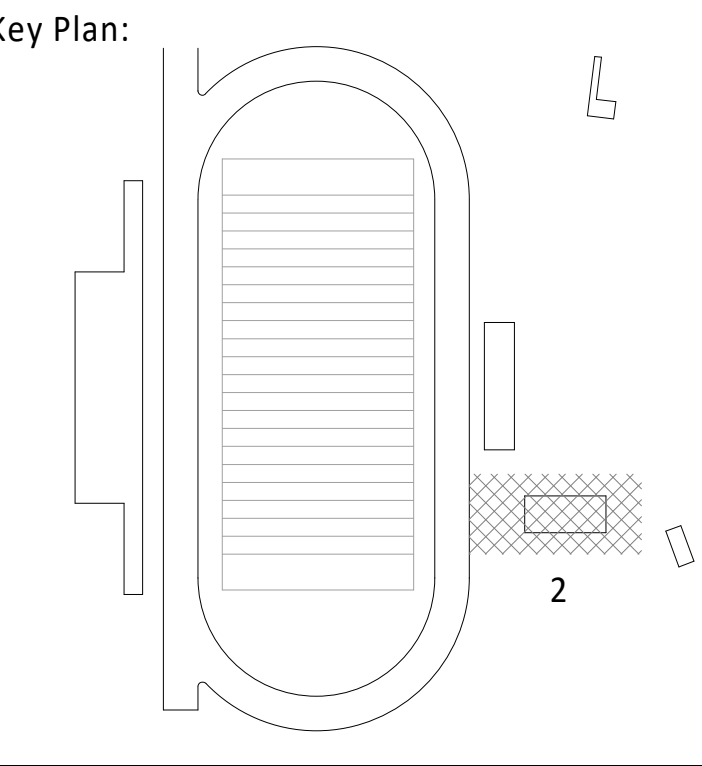
1-Hour: Fire Rated Assembly

2-Hour: Fire Rated Assembly

Existing CMU

New CMU (Field Color)

New CMU (Accent Color)



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Lee's Summit R7 District Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
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JAY DARREN BROWNING
ARCHITECT
000907279

Architectural Corporation
Missouri License No. 2018022991
Jay Darren Browning
Architect License No. A-2009027279

REVISIONS

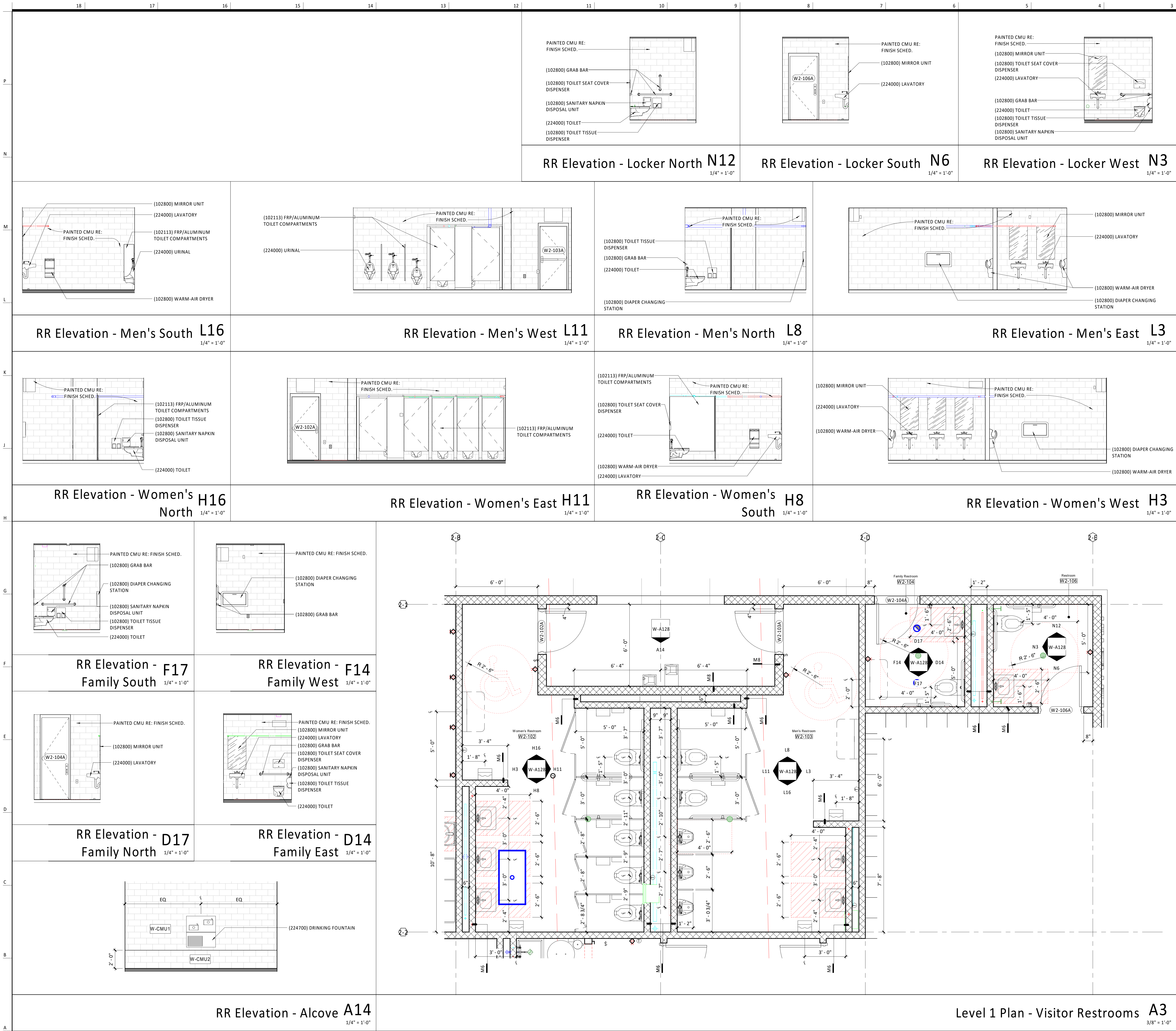
Number	DESCRIPTION	DATE
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PROJECT NO: 0119-0101
DATE: September 28, 2020

Visitor Concessions - Wall Sections

W-A125

BID SET



Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

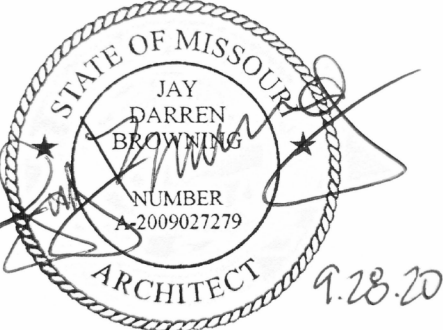
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Jay Darren Browning Date: 09/28/2020
Architect License No. A-2009027279

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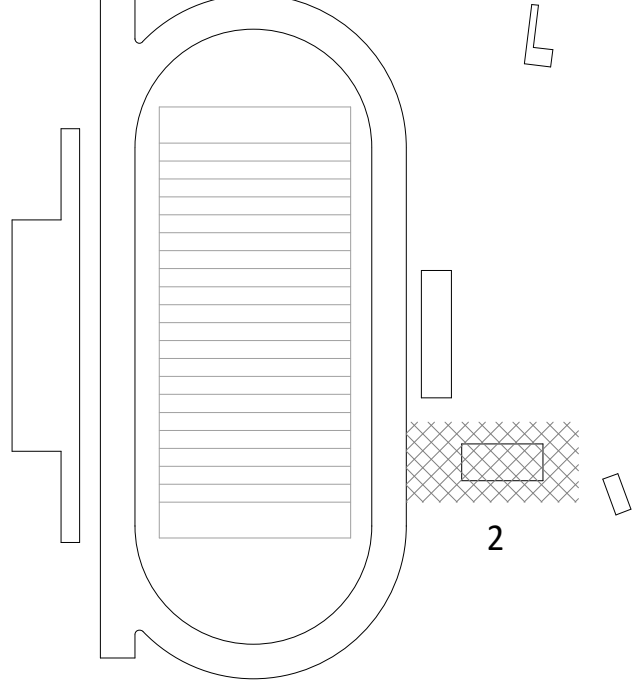
PROJECT NO: 0119-0101
DATE: September 28, 2020

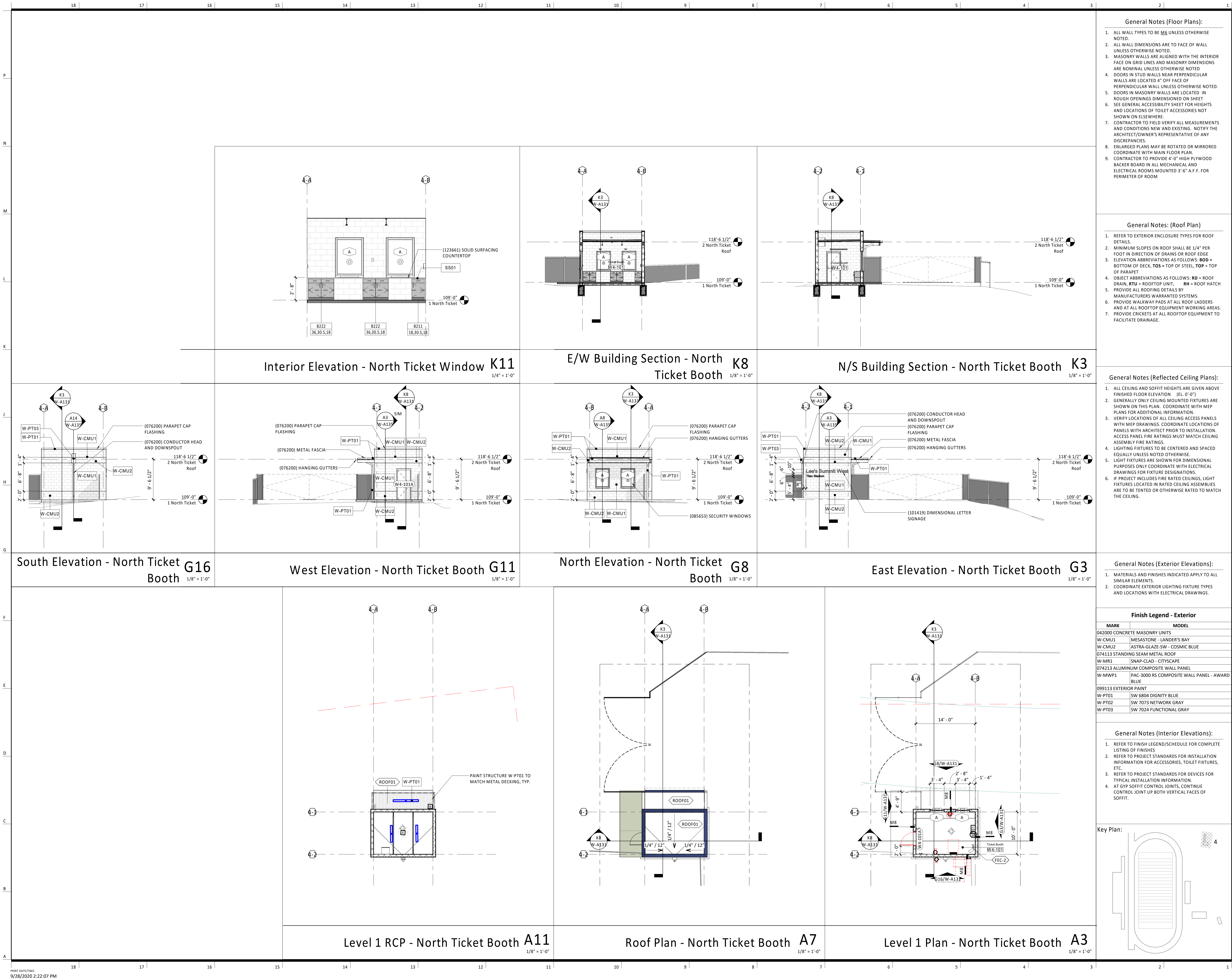
Visitor Restrooms -
Plan & Elevations

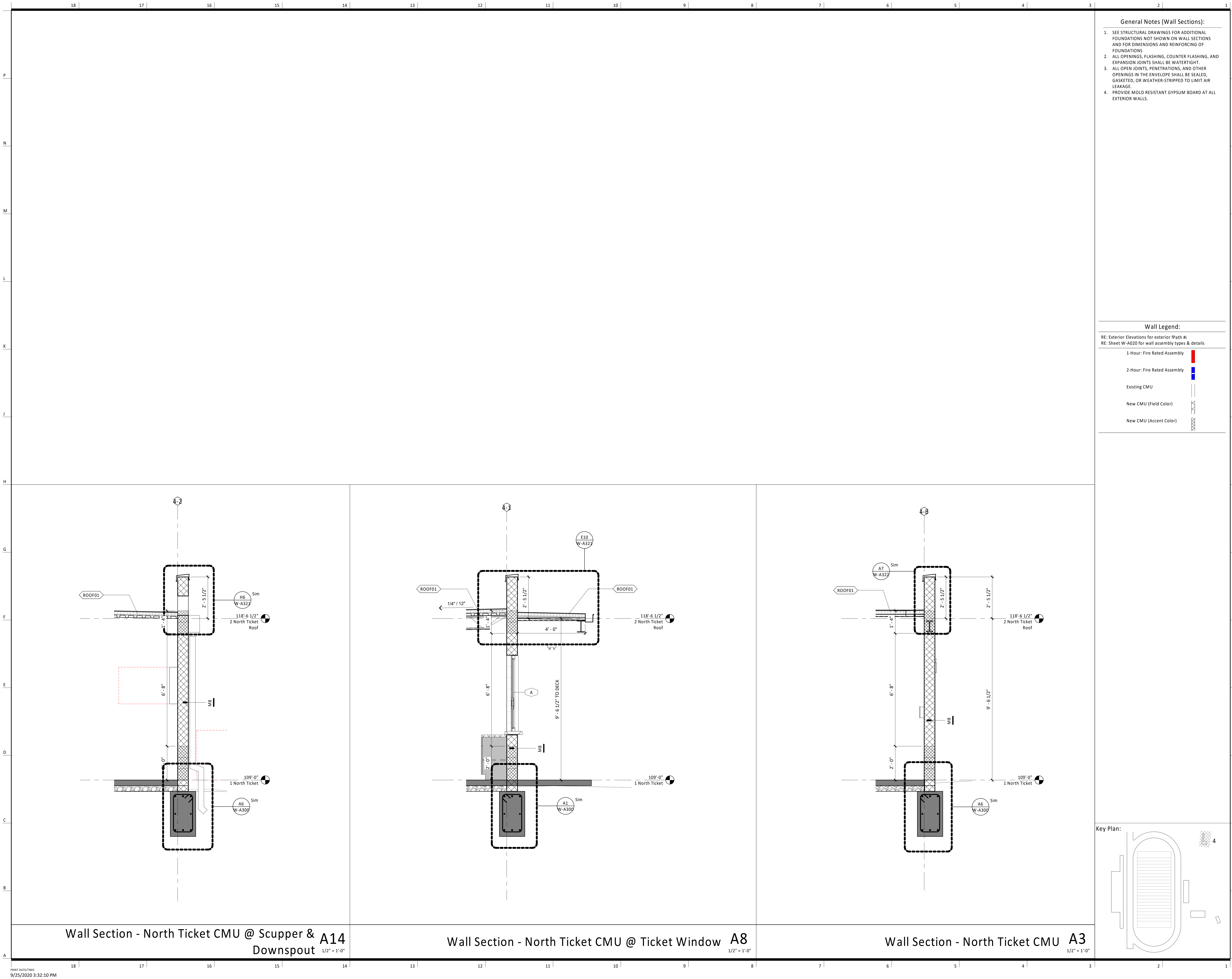
W-A128

BID SET

Key Plan:







- General Notes (Wall Sections):
- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL FOUNDATIONS NOT SHOWN ON WALL SECTIONS AND FOR DIMENSIONS AND REINFORCING OF FOUNDATIONS
 - ALL OPENINGS, FLASHING, COUNTER FLASHING, AND EXPANSION JOINTS SHALL BE WATERTIGHT.
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 - PROVIDE MOLD RESISTANT GYPSUM BOARD AT ALL EXTERIOR WALLS.

Wall Legend:	
RE: Exterior Elevations for exterior Path #: RE: Sheet W-A020 for wall assembly types & details	
1-Hour: Fire Rated Assembly	
2-Hour: Fire Rated Assembly	
Existing CMU	
New CMU (Field Color)	
New CMU (Accent Color)	

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Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
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www.gouldevans.com

structural engineer:
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civil engineer:
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mechanical/electrical engineer:
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Lenexa, KS 66214
816.742.5000



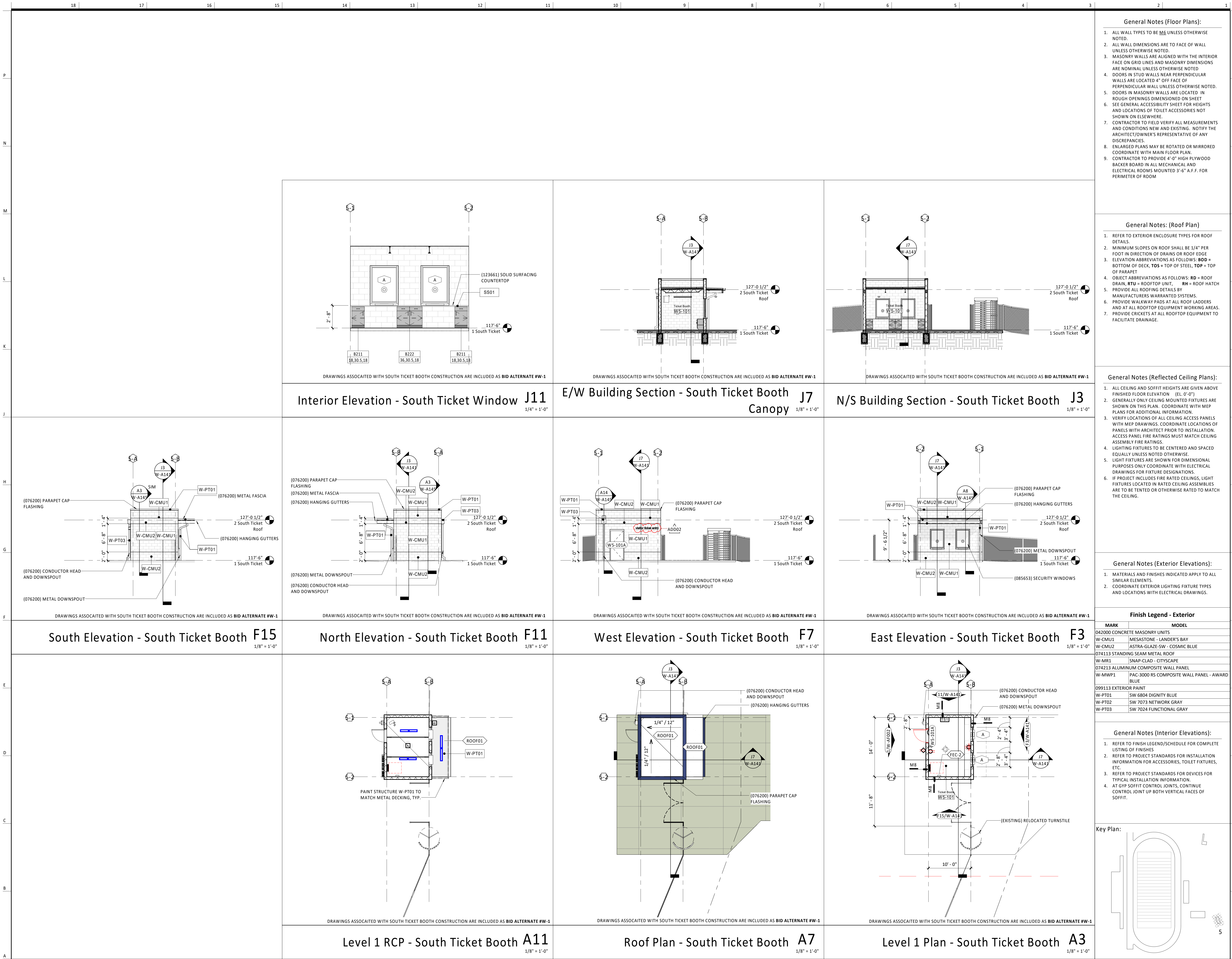
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Number	DESCRIPTION	DATE

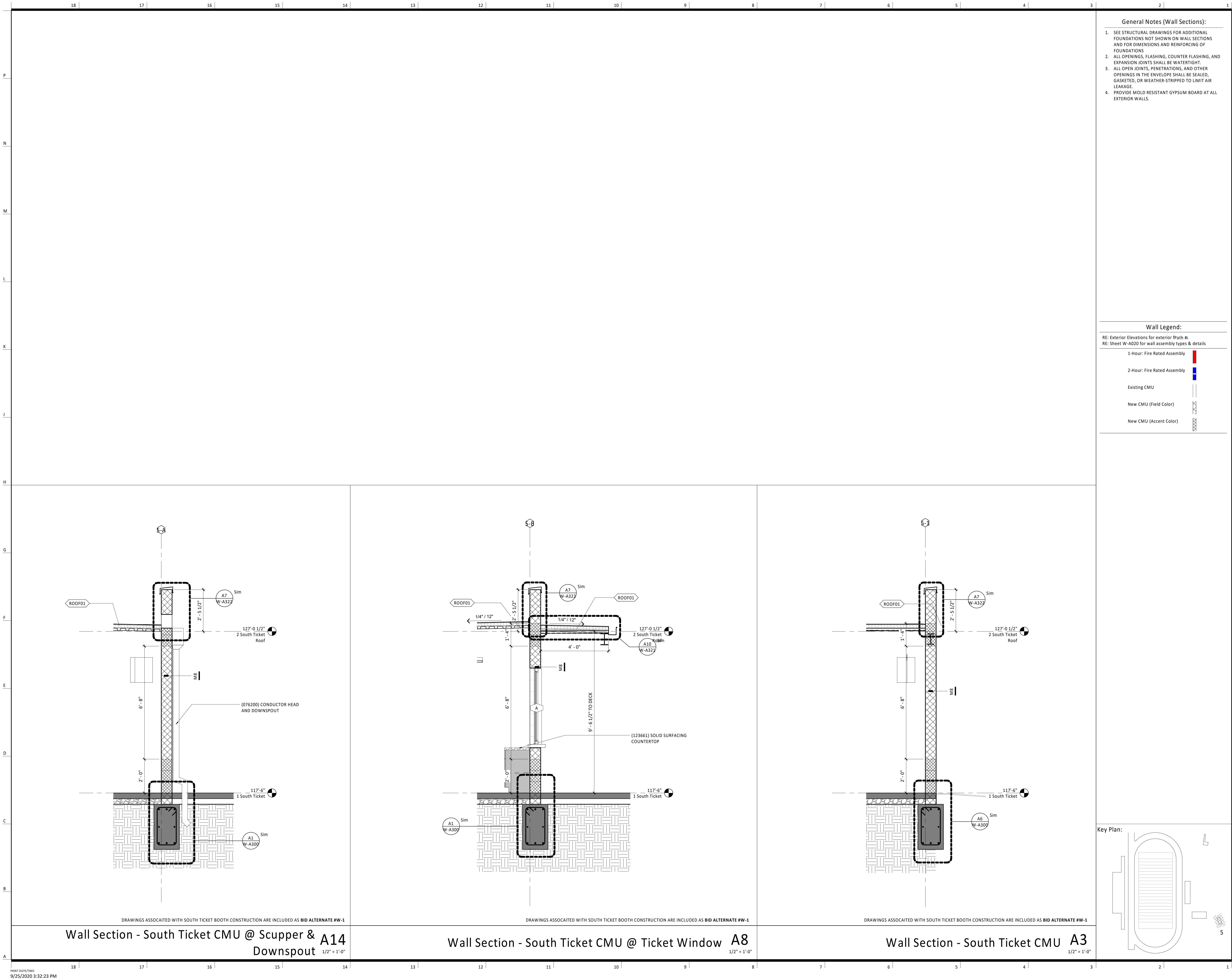
PROJECT NO: 0119-0101
DATE: September 28, 2020

North Ticket Booth -
Wall Sections

W-A135

BID SET





- General Notes (Wall Sections):
- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL FOUNDATIONS NOT SHOWN ON WALL SECTIONS AND FOR DIMENSIONS AND REINFORCING OF FOUNDATIONS
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Wall Legend:	
RE: Exterior Elevations for exterior fpath #: RE: Sheet W-A020 for wall assembly types & details	
1-Hour: Fire Rated Assembly	
2-Hour: Fire Rated Assembly	
Existing CMU	
New CMU (Field Color)	
New CMU (Accent Color)	

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Lee's Summit R7 District
Athletics Facilities

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Lee's Summit, MO 64082

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Architect License No. A-2009027279

REVISIONS		
Number	DESCRIPTION	DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

(BID ALT #W-1) South
Ticket Booth - Wall
Sections

W-A145

BID SET

**Lee's Summit R7 District
Athletics Facilities**

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

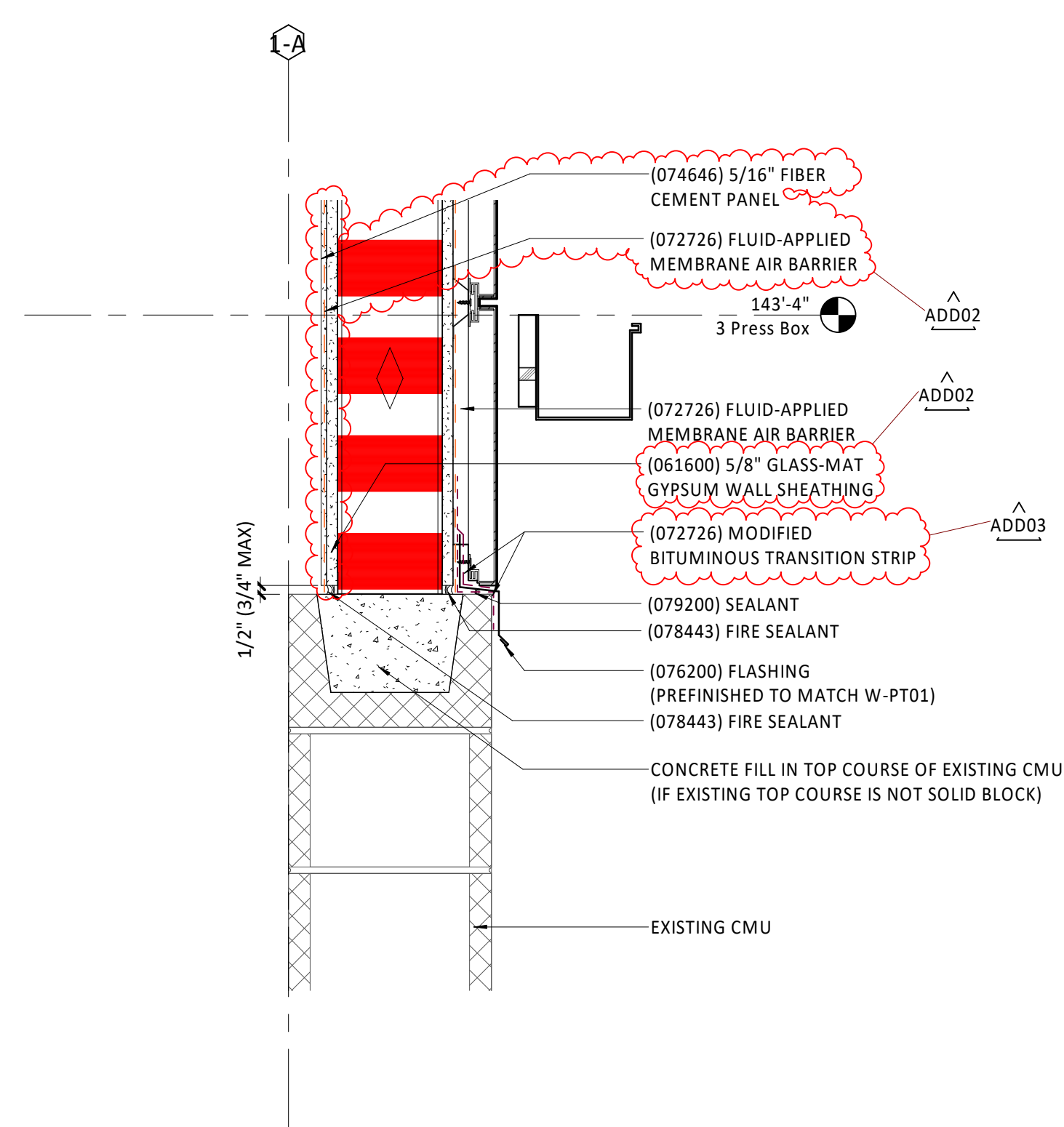
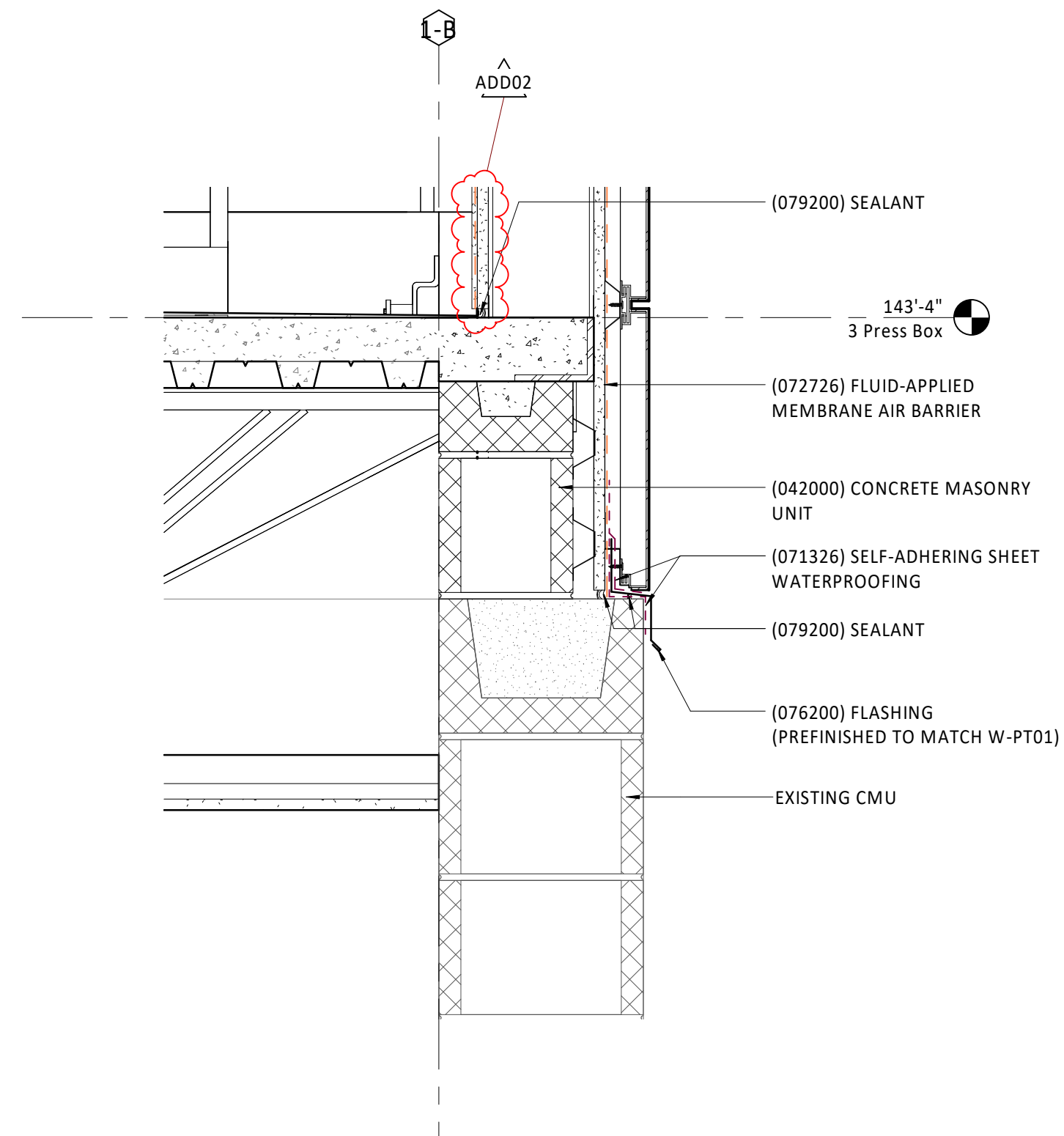
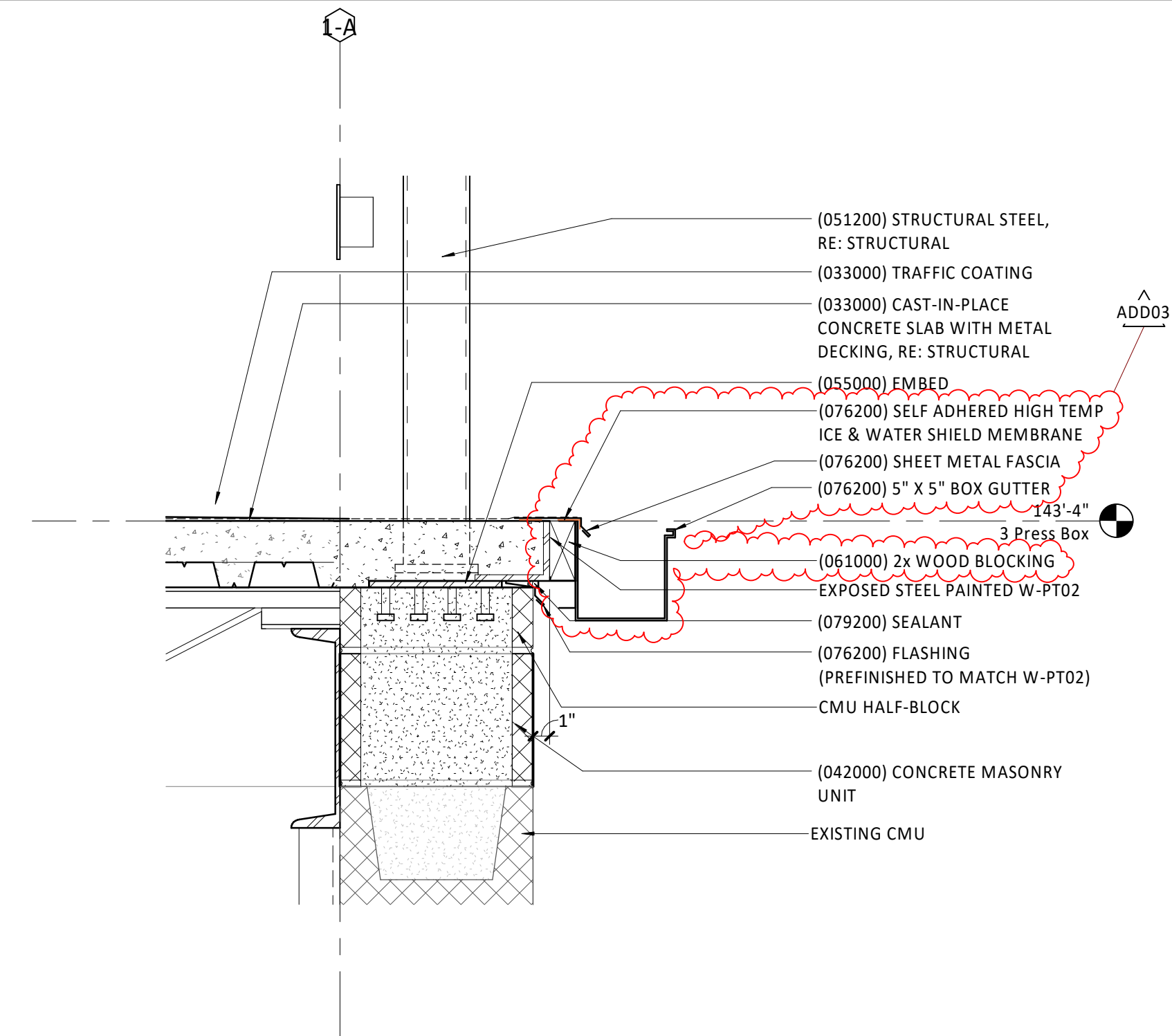
owner:
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301 NE Tudor Road
Lee's Summit, MO 64086

architect:
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4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.goulddevans.com

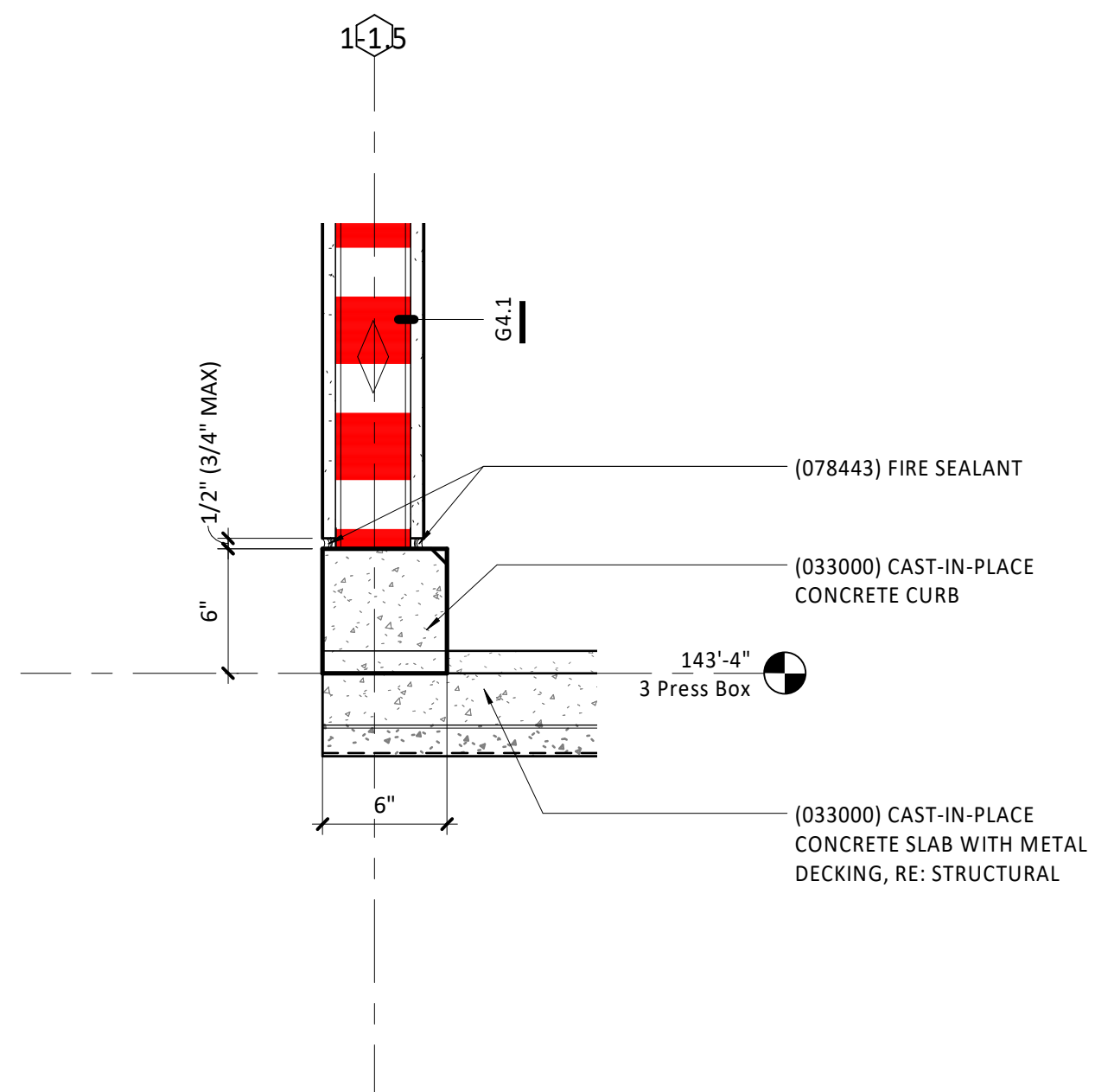
structural engineer:
Bob D. Campbell & Company, Inc.
4338 Belleview Avenue
Kansas City, MO 64111
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civil engineer:
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Lenexa, KS 66215
913.485.0318

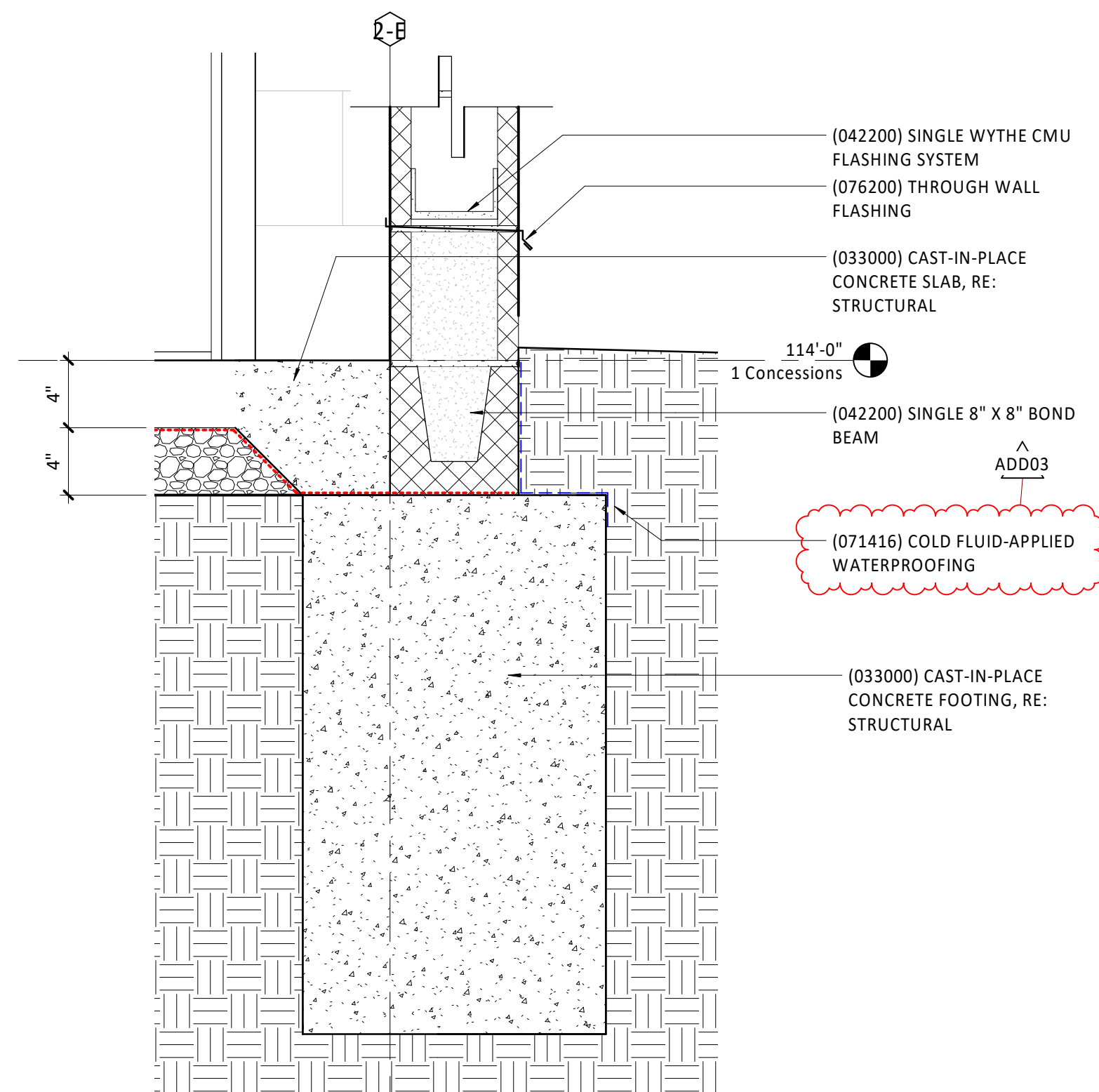
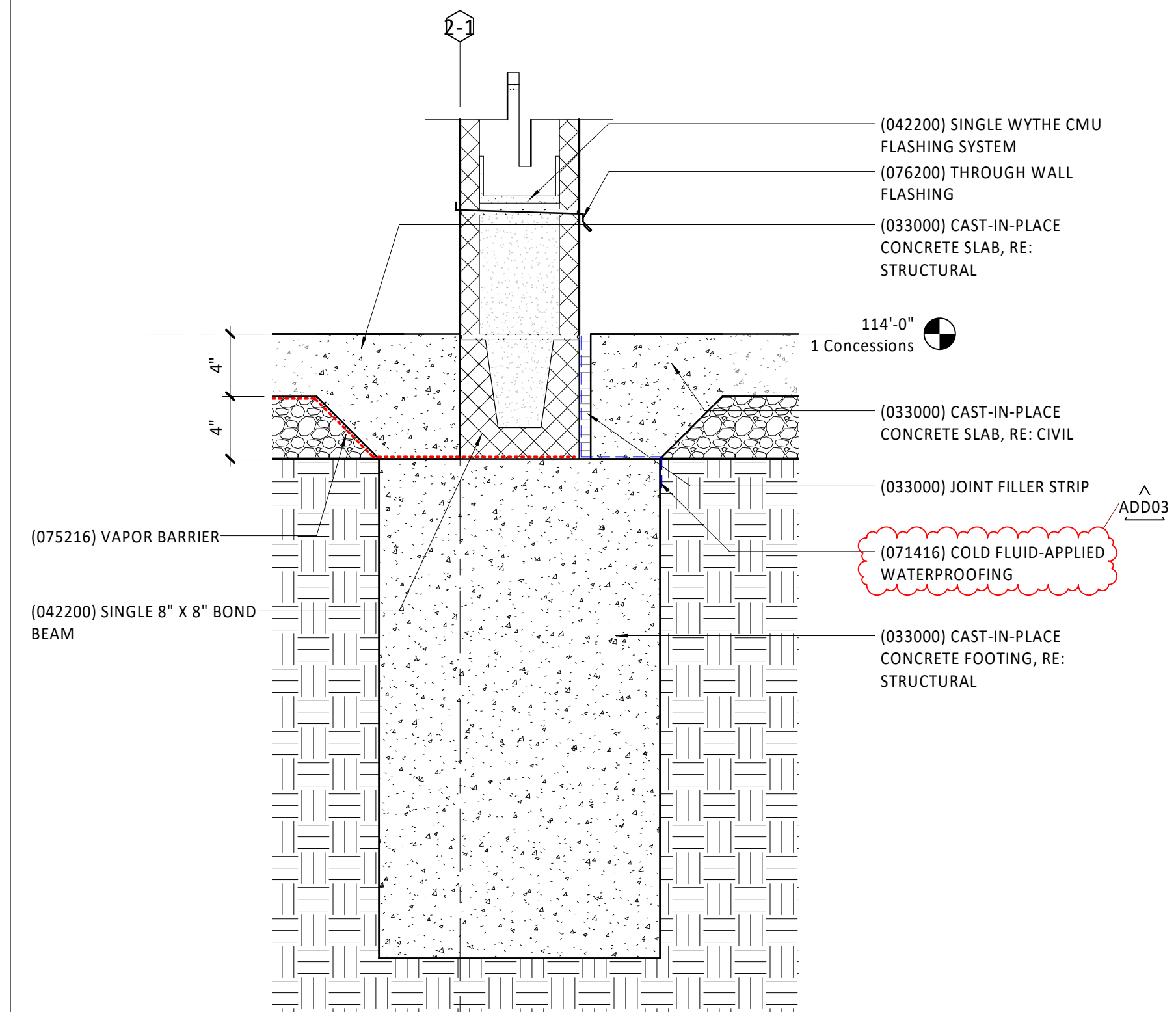
mechanical/electrical engineer:
Henderson Engineers
8345 Lenexa Drive | Suite 300
Lenexa, KS 66214
816.742.5000

Section Detail - Rated Exterior Wall Base @ CMU F11
1 1/2" = 1'-0"Section Detail - Exterior Wall Base @ CMU F6
1 1/2" = 1'-0"

Section Detail - CMU Extension w/ Railing **F1**
1 1/2" = 1'-0"

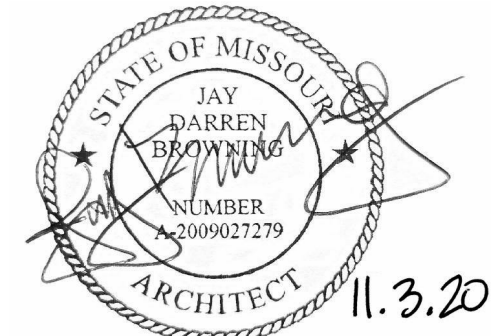


Section Detail - Video Deck Wall on Concrete Curb **A11**
1 1/2" = 1'-0"

Section Detail - CMU Foundation @ Grade **A6**
1 1/2" = 1'-0"

Section Detail - CMU Foundation @ Sidewalk **A1**
1 1/2" = 1'-0"

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Jay Darren Browning Date: 11/03/2020
Architect License No. A-2009027279

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Number	DESCRIPTION	DATE
ADD02	ADDENDUM 02	10/20/2020
ADD03	ADDENDUM 03	10/23/2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

Exterior Section Details

W-A300

BID SET

Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

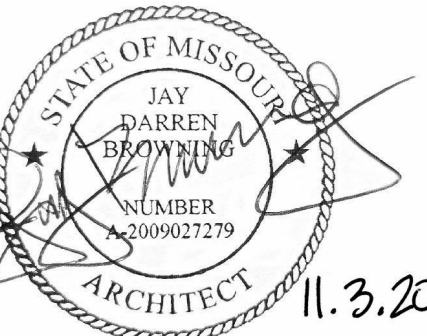
architect:
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Jay Darren Browning Date: 11/03/2020
Architect License No. A-2009027279

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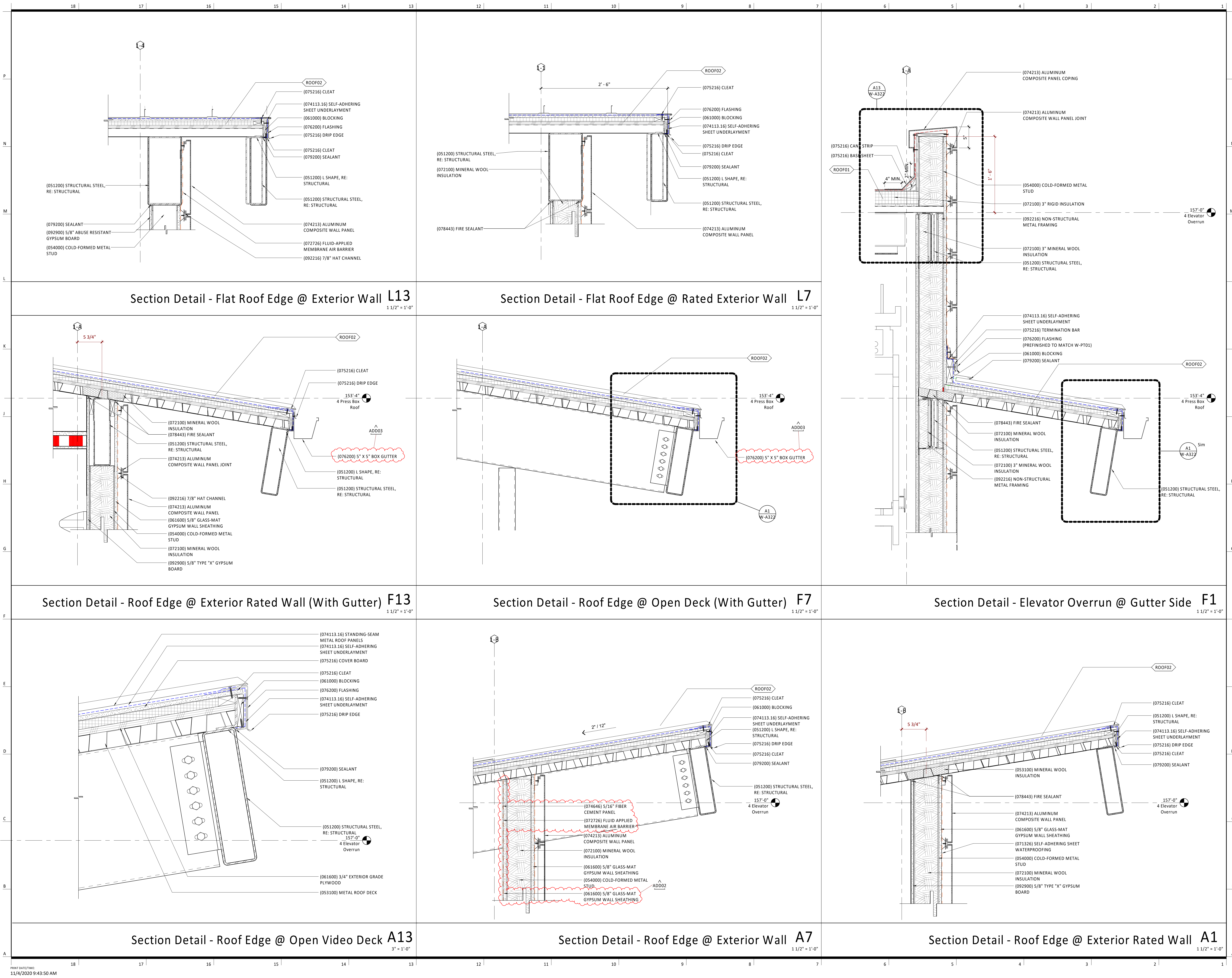
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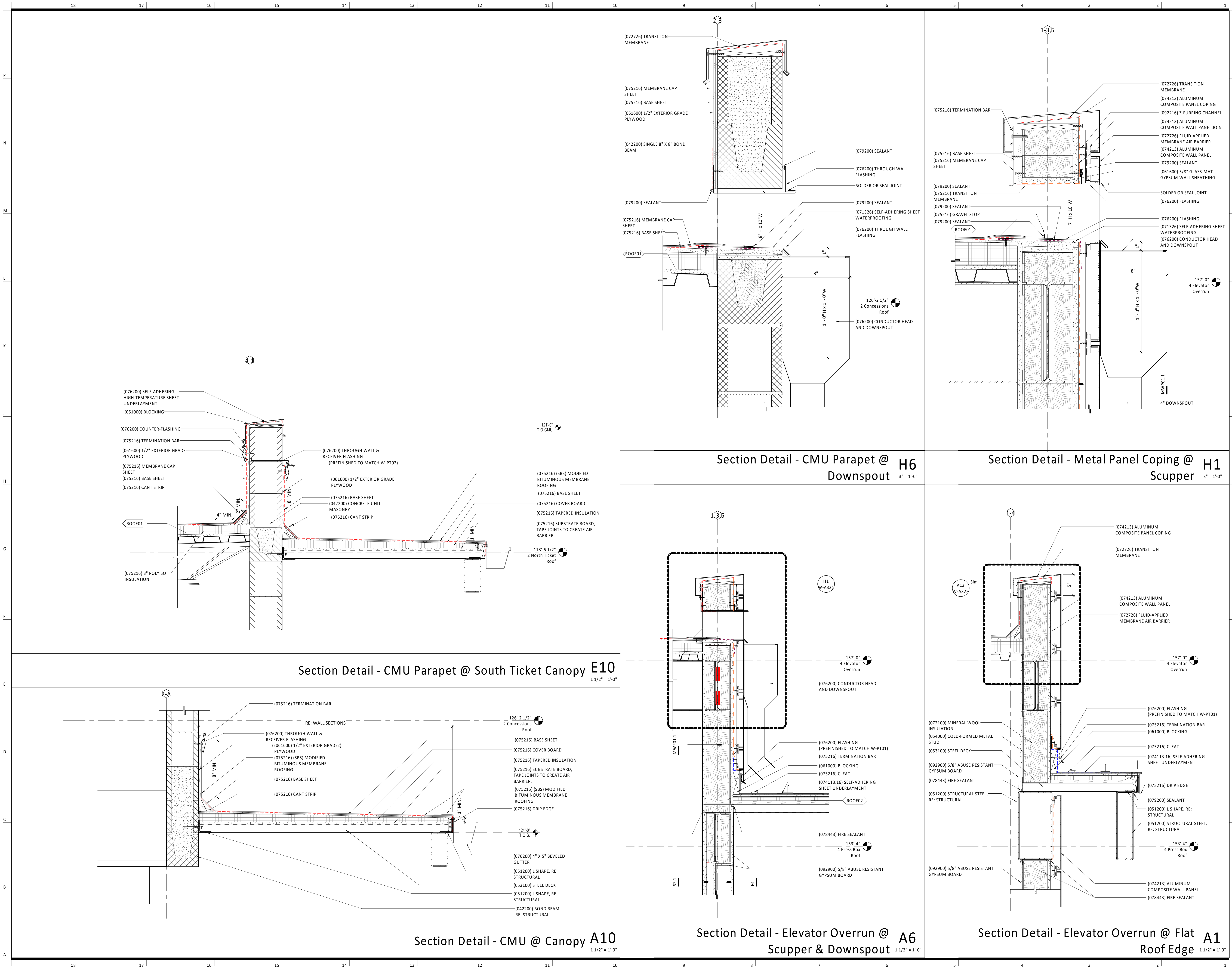
PROJECT NO: 0119-0101
DATE: September 28, 2020

Exterior Section Details
- Roof

W-A320

BID SET





Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
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Lee's Summit, MO 64082

owner:
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Architect License No. A-2009027279

REVISIONS

Number DESCRIPTION DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

Exterior Section Details
- Roof

W-A321

BID SET

Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

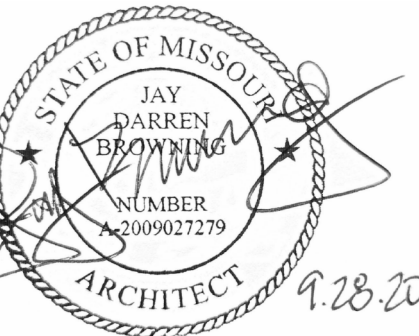
architect:
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structural engineer:
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mechanical/electrical engineer:
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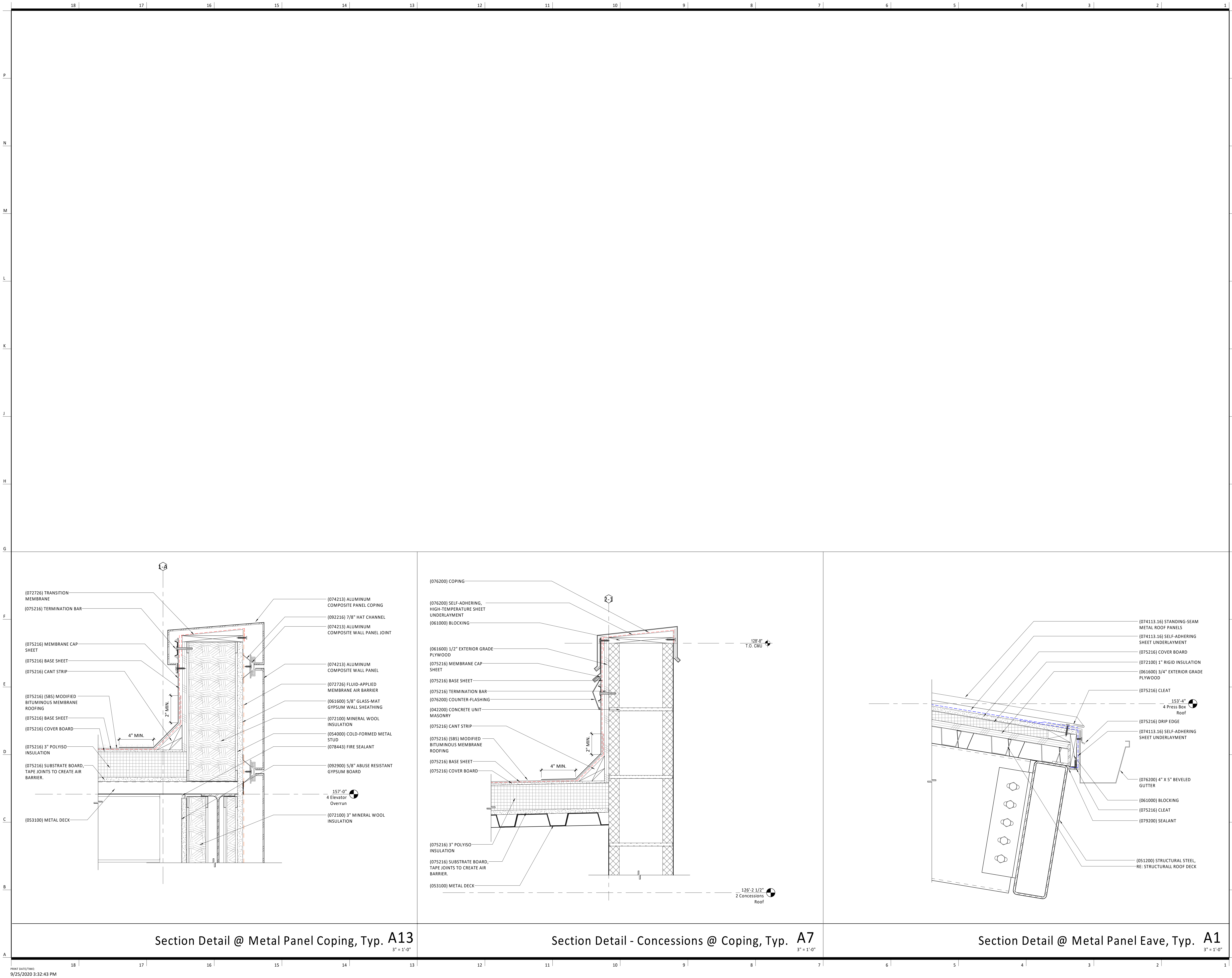
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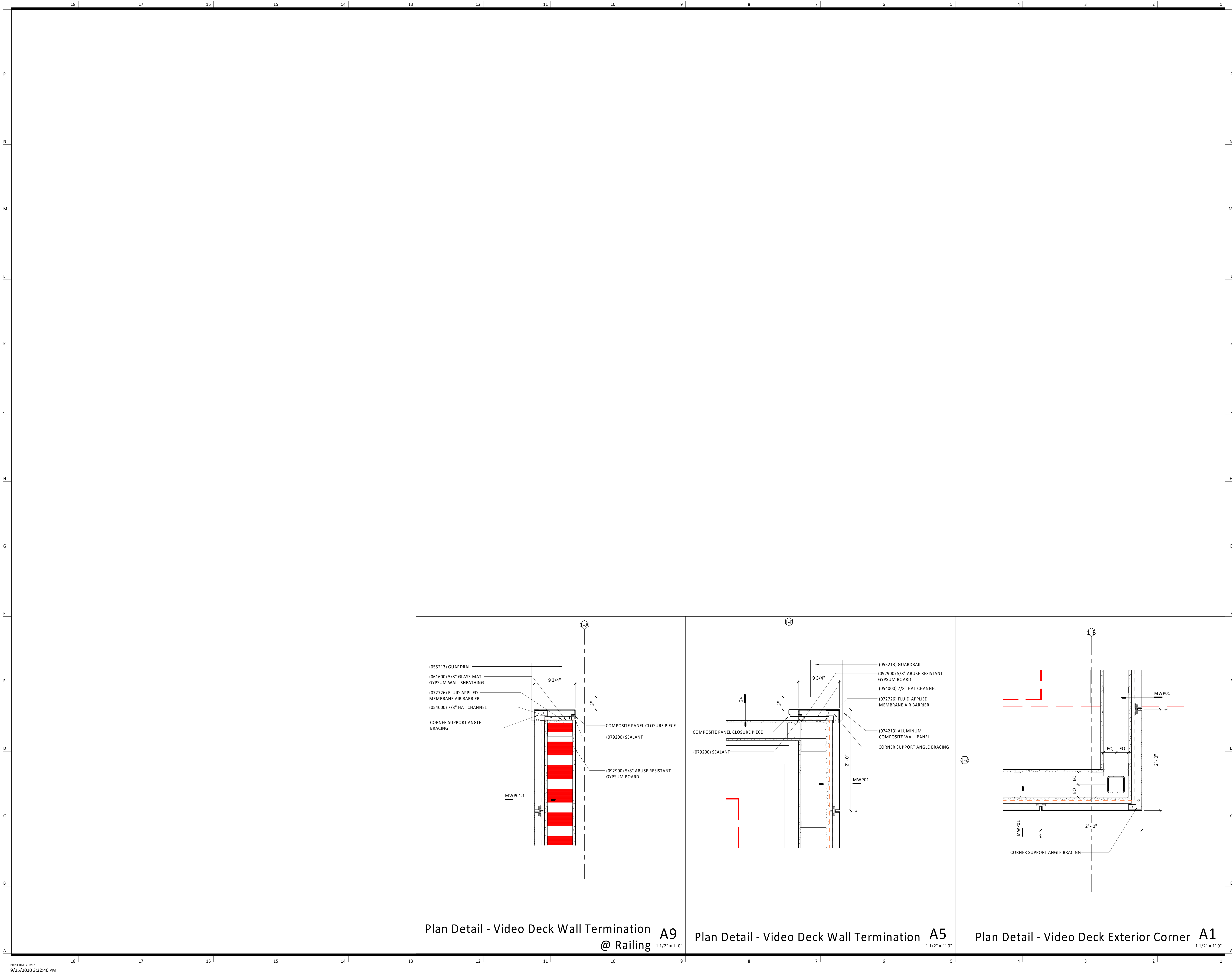
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Exterior Section Details
- Roof

W-A322

BID SET





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Jay Darren Browning Date: 09/28/2020
Architect License No. A-2009027279

REVISIONS

Number	DESCRIPTION	DATE
--------	-------------	------

PROJECT NO: 0119-0101
DATE: September 28, 2020

Exterior Plan Details

W-A330

BID SET

1. ALL CASEWORK IS TO BE CONSTRUCTED TO MEET OR EXCEED ARCHITECTURAL WOODWORK INSTITUTE (AWI) STANDARDS.
2. FIELD VENEER ALL DIMENSIONS PRIOR TO FABRICATION.
3. PROVIDE RUBBER BASE AT ALL CABINET BASES, UNLESS NOTED OTHERWISE.
4. REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR SPECIFIC MATERIAL LOCATIONS
5. PROVIDE MOISTURE RESISTANT PLURAL COAT AT COUNTERTOPS WITH SINKS.
6. SINKS SHOWN ON THESE DRAWINGS INDICATE LOCATIONS ONLY AND MAY NOTE REFLECT ACTUAL SIZES OR TYPES.
7. COORDINATE LOCATIONS OF ALL EQUIPMENT AND CONFIRM PROPER CLEARANCES. NOTIFY ARCHITECT FOR ANY CHANGES.
8. CENTER ALL SINKS IN THE ASSOCIATED CASEWORK, UNLESS NOTED OTHERWISE.
9. PROVIDE SIDE SPLASH WHERE COUNTERTOP ABUTS WALL, OR AT COUNTERTOPS WITH DIFFERENT HEIGHTS.
10. SEAL ALL JOINTS BETWEEN WORK SURFACES/CABINETS AND ADJOINING SURFACES.
11. PROVIDE IN WALL BLOCKING AS REQUIRED FOR UPPER SHELVES.
12. CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
13. FIELD COORDINATE LOCATIONS OF GRAMMETS IN COUNTERTOPS WITH OWNER/ARCHITECT.
14. PROVIDE FINISHED CLOSURE PANELS AT EXPOSED END CONDITIONS.
15. PROVIDE FILLER PANELS/SCRIBE AT ALL LOCATIONS WITH NEWLUMIN CASEWORK.
16. PROVIDE LOCKS AT ALL CABINET DOORS. FINAL COORDINATION WILL BE DONE BY OWNER/ARCHITECT DURING SHOP DRAWING PHASE.
17. ALL PENETRATIONS THROUGH CASEWORK SHALL BE SEALED OR COVERED WITH AN ESCUTCHEON.

B	BASE CABINET	U	UPPER CABINET
BS	BASE SCRIBE	US	UPPER SCRIBE
T	TALL CABINET		

Diagram illustrating the components of a cabinet group:

- SIDESPLASH
- BACKSPLASH
- COUNTERTOP
- CABINET HARDWARE
- AS SCHEDULED
- CABINET DOOR SW
- ADJUSTABLE SHELF
- TOE-KICK

Diagram illustrating the cabinet group and size:

- CABINET GROUP
- CABINET SIZE W,H,D (IN INCHES)

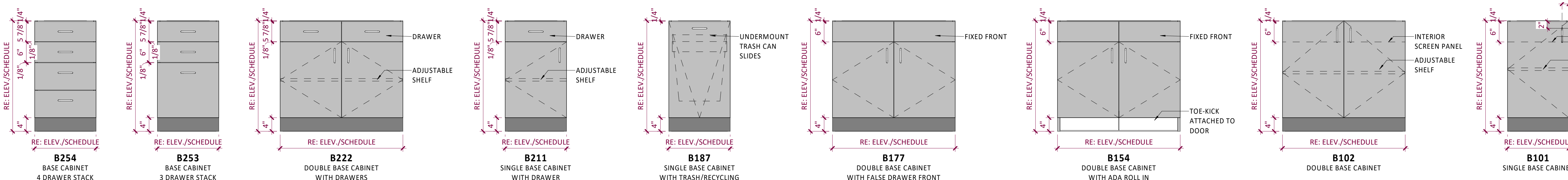
Diagram showing the cabinet group and size:

8222
36,32,5,24

Mark	Width	Height	Depth
Base-102-Double			
B102	36"	32 1/2"	24"
Base-211-Single with Drawer			
B211	18"	30 1/2"	18"
Base-222-Double with Drawer			
B222	36"	30 1/2"	18"
Counter Top			

$$12'' = 1'-0''$$

D3

 $1\frac{1}{2}'' = 1'$ 

A3

$$3/4'' = 1'-0''$$

mechanical/electrical engineers
Henderson Engineers
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Architect License No. A-200902727

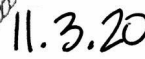
Number	DESCRIPTION	DATE
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PROJECT NO: 0119-0101
DATE: September 28, 2020

BID SET

1. ALL FINISH MATERIALS MUST MEET THE FLAME SPREAD RATINGS PER THE BUILDING CODE.
2. REFER TO THE ELEVATIONS FOR SPECIFIC MATERIAL LOCATIONS.
3. REFERENCED FLOOR/WALL/CILING TYPES ARE FOR TOP FINISH LAYER DETAILS ONLY. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FLOOR/WALL/WALL CILING ASSEMBLY DETAILS PER LOCATION.
4. PAINT ALL EXPOSED DUOWORK, CONDUIT, ELECTRICAL, AND STRUCTURAL SURFACES TO MATCH ADJACENT SURFACES.
5. PAINT ALL NON-EQUIPMENT FINISHED EXPOSED ELECTRICAL.
6. REFER TO TYPICAL FLOORING TRANSITION DETAILS FOR FLOORING TRANSITION DETAILS.
7. FLOORING TRANSITIONS AT DOORS SHOULD BE LOCATED UNDER THE DOOR IN THE CLOSED POSITION, UNLESS NOTED OTHERWISE.
8. CONTRAST FLOORING TRANSITIONS FOR PROTECTING FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES.
9. PROVIDE BULLNOSE TRIM AT TRANSITIONS FROM CERAMIC TILE TO OTHER MATERIAL, UNLESS NOTED OTHERWISE.
10. REFER TO ELECTRICAL DESIGN PLANS FOR CEILING HEIGHTS.
11. REFER TO RECEPTACLE COVER PLANS TO BE WHITE UNLESS NOTED OTHERWISE.
12. CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, UNLESS NOTED OTHERWISE.
13. METAL DOOR FRAMES TO BE PAINTED TO MATCH ADJACENT WALL COLOR.

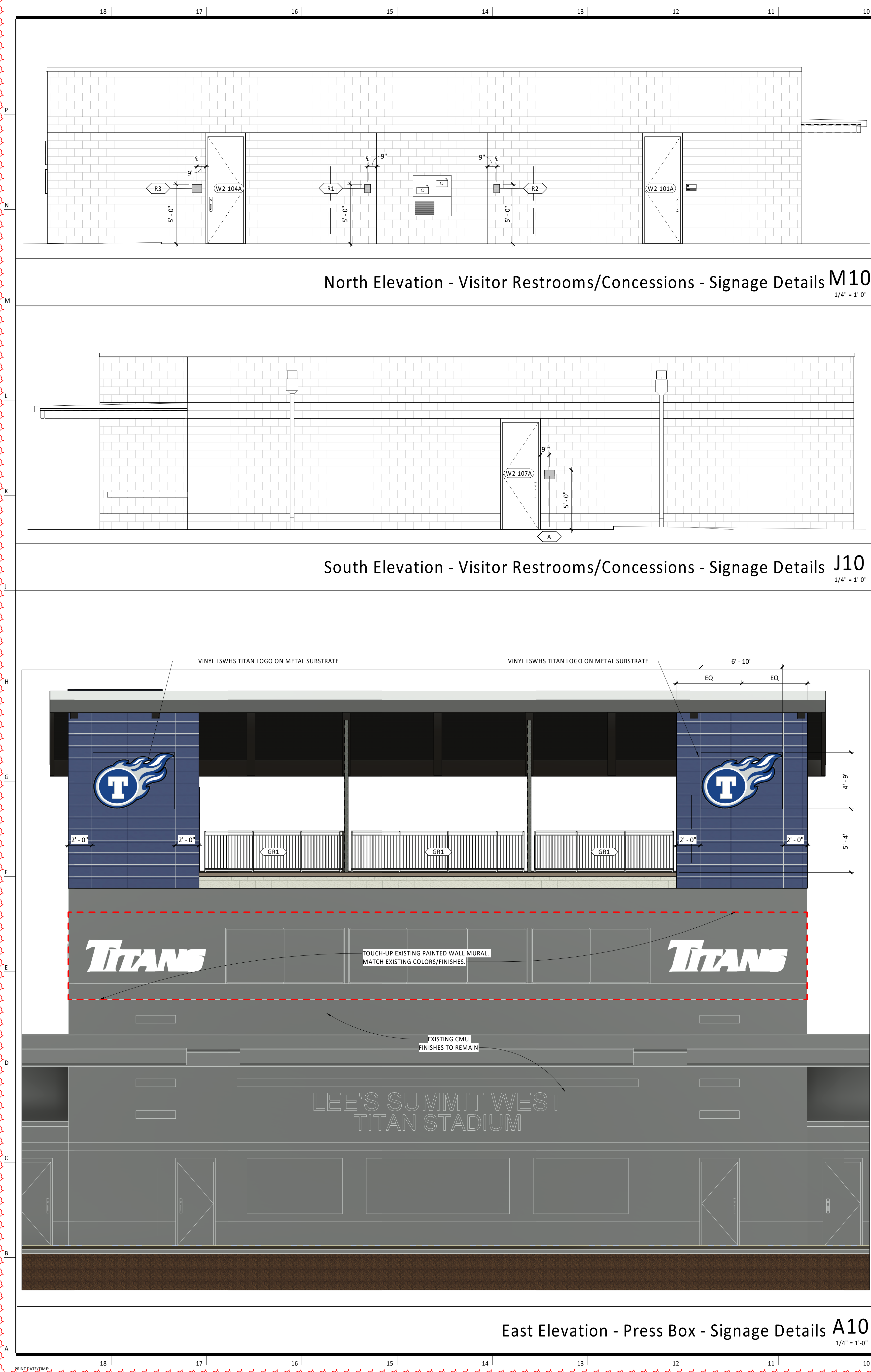
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REVISIONS		
Number	DESCRIPTION	DATE
CC#01	Code Comment Response 1	10/28/2021
RF#08	RF#08	01/04/2022

Finish Legend & Details

BID SET



North Elevation - Visitor Restrooms/Concessions - Signage Details **M10**
1/4" = 1'-0"

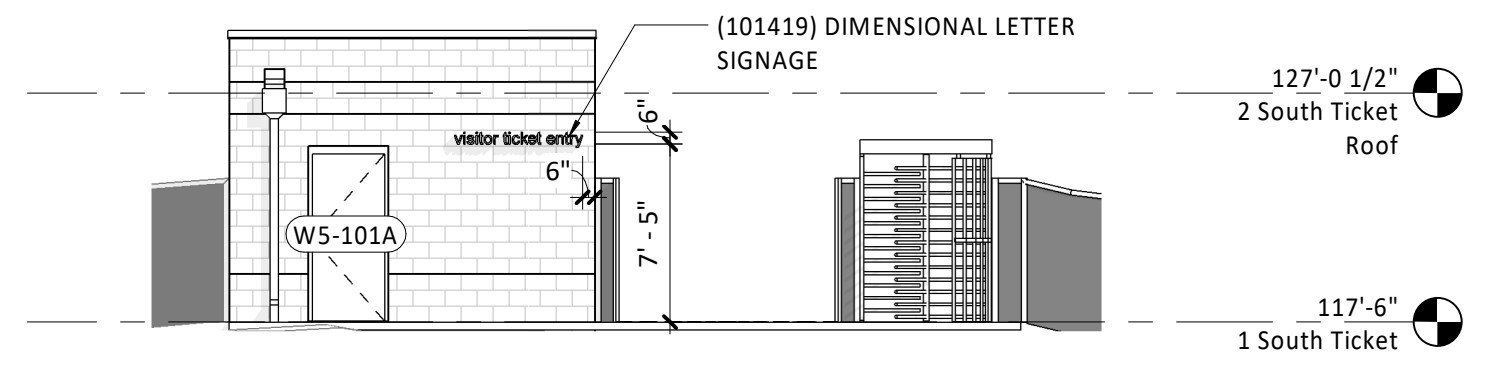
South Elevation - Visitor Restrooms/Concessions - Signage Details **J10**
1/4" = 1'-0"

East Elevation - Press Box - Signage Details **A10**
1/4" = 1'-0"

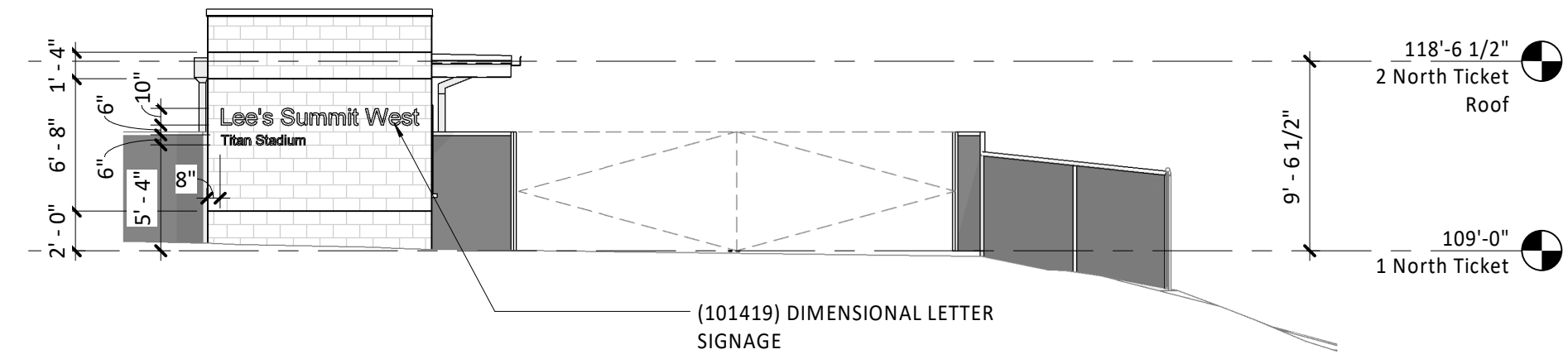
Signage Schedule				
Room Number	Room Name	Type Mark	Type Comments	Sign Text
1 Concessions				
W2-101	Concessions	A	Room ID (Basic)	Concessions
W2-102	Women's Restroom	R2	Restroom - Women	Women's Restroom
W2-102	Women's Restroom	R2	Restroom - Women	Women's Restroom
W2-103	Men's Restroom	R1	Restroom - Men	Men's Restroom
W2-103	Men's Restroom	R1	Restroom - Men	Men's Restroom
W2-104	Family Restroom	R3	Restroom - Unisex	Family Restroom
W2-105	Locker Room	A	Room ID (Basic)	Locker Room
W2-106	Restroom	R3	Restroom - Unisex	Restroom
W2-107	Vestibule	A	Room ID (Basic)	Locker Room
W2-108	MEP Custodian	A	Room ID (Basic)	Custodian
2 Press Box				
W1-201	Visitor Coach	A	Room ID (Basic)	Visitor Coach
W1-203	Home Coach	F	In Case of Fire...	In Case of Fire Do Not Use Elevator, Use Stairs
W1-52	Stair	E	Exit Stair	Stair
3 Press Box				
W1-301	Video Deck	F	In Case of Fire...	In Case of Fire Do Not Use Elevator, Use Stairs
W1-301	Video Deck	A	Room ID (Basic)	Video Deck
W1-302	Storage/Data	A	Room ID (Basic)	Storage
W1-53	Stair	E	Exit Stair	Stair

NOTE: Provide room identification signage to all areas listed in schedule. Not all signage locations are elevated on this sheet. See specification section 101419 for all pin-mounted dimensional letter signage.

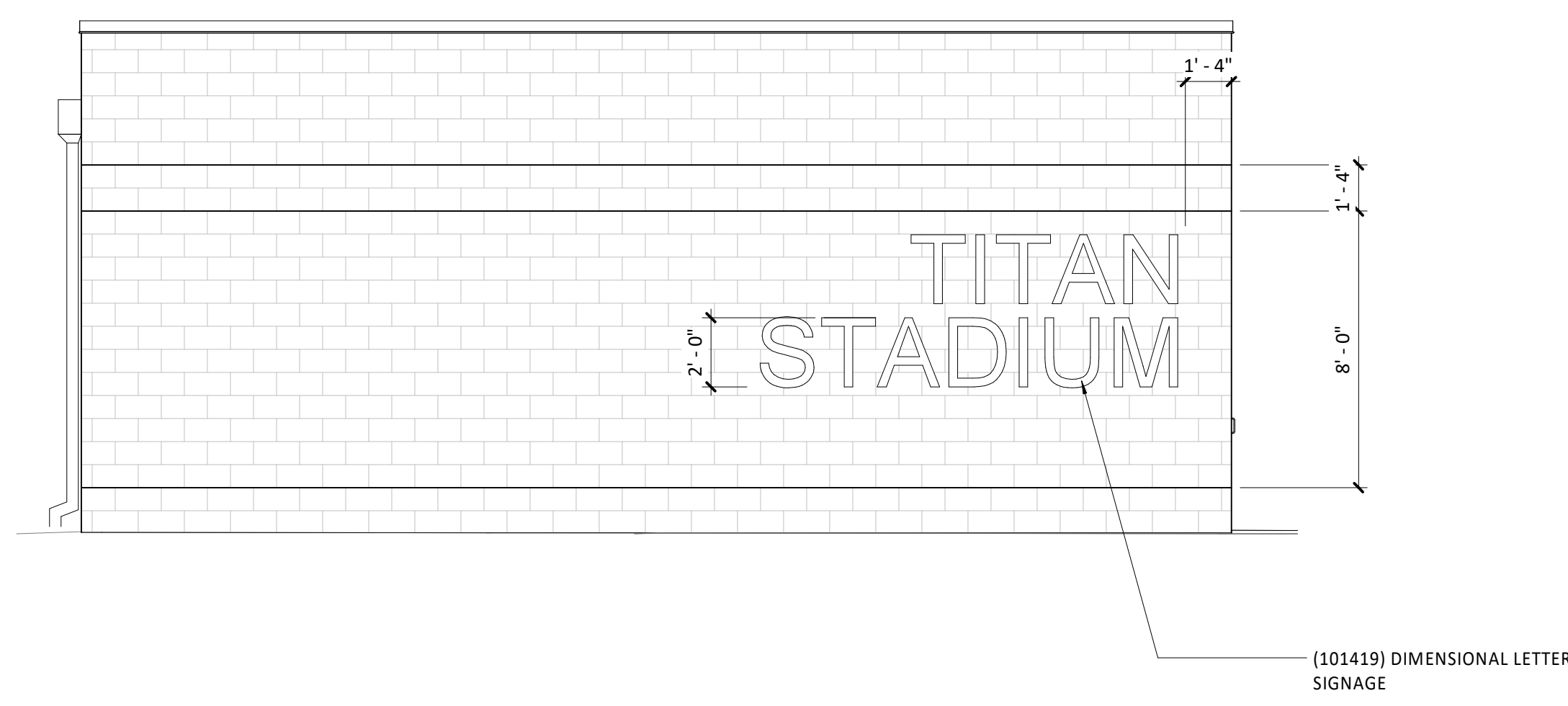
Signage Legend		
Type Mark	Type Comments	Count
A	Room ID (Basic)	7
E	Exit Stair	2
F	In Case of Fire...	2
R1	Restroom - Men	3
R2	Restroom - Women	3
R3	Restroom - Unisex	2



West Elevation - South Ticket Booth - Signage Details **1**
1/8" = 1'-0"



East Elevation - North Ticket Booth - Signage Details **F3**
1/8" = 1'-0"



East Elevation - Visitor Restrooms/Concessions - Signage Details **A3**
1/4" = 1'-0"

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**Lee's Summit R7 District
Athletics Facilities**

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
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JAY DARREN BROWNING
ARCHITECT
11.3.20

Architectural Corporation
Missouri License No. 2018022991
Jay Darren Browning
Date: 11/03/2020
License No. A-2009027279

REVISIONS

Number	DESCRIPTION	DATE
ADD02	ADDENDUM 02	10/30/2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

Signage Types,
Schedule & Details

W-AF002

BID SET

	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
P																		
N																		
M																		
L																		
K																		
J																		
H																		
G																		
F																		
E																		
D																		
C																		
B																		
A																		
	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1

- General Notes (Signage):
- THE ENVIRONMENTAL GRAPHICS PACKAGE CONSISTS OF THE FOLLOWING COMPONENTS: DETAIL DRAWINGS, SIGN LOCATION PLANS, SIGNAGE MESSAGE SCHEDULE, AND SPECIFICATION MANUAL.
 - ALL SIGNS TO BE FABRICATED AND INSTALLED TO COMPLY WITH LOCAL BUILDING CODES, ADAAG, AND ANSI 117.1
 - FABRICATOR TO REVIEW THE STRUCTURAL, MECHANICAL, AND ARCHITECTURAL DRAWINGS AND SITE CONDITIONS TO VERIFY SIZES AND LOCATION OF SIGNAGE RELATED ELEMENTS THAT EXIST. ANY DISCREPANCIES AND/OR CONFLICTS SHALL BE REPORTED TO THE OWNER/ARCHITECT/GENERAL CONTRACTOR IN WRITING BEFORE PROCEEDING WITH FABRICATION OR ORDERING MATERIALS.
 - FABRICATOR SHALL SUBMIT FULLY DETAILED WORKING (SHOP/FABRICATION) DRAWINGS TO ARCHITECT/GENERAL CONTRACTOR FOR ALL SIGNS AND GRAPHICS CONTAINED IN THIS PACKAGE. DRAWINGS SHALL BE REVIEWED AND HAVE SIGNED APPROVAL PRIOR TO FABRICATION OR ORDERING OF MATERIALS.
 - ALL SIGNS ARE TO BE FABRICATED FROM MATERIALS SPECIFIED UNLESS OTHERWISE APPROVED IN WRITING BY THE OWNER/ARCHITECT. NO EXCEPTIONS.
 - DRAWINGS CONTAINED IN THIS PACKAGE ARE FOR AESTHETIC AND FUNCTIONAL DESIGN INTENT ONLY. NO INSTRUCTIONS FOR STRUCTURAL APPROPRIATENESS HAVE BEEN MADE. IT IS THE RESPONSIBILITY OF THE SIGNAGE FABRICATOR TO ENSURE THAT ALL ELEMENTS ARE FABRICATED FOR A STABLE AND DURABLE INSTALLATION WHILE ADHERING TO THE AESTHETIC DETAILS INDICATED.
 - FABRICATOR IS RESPONSIBLE FOR DETERMINING PROPER MOUNTING METHODS FOR SIGNS UNLESS OTHERWISE SPECIFIED. ALL MOUNTING MATERIALS/TECHNIQUES TO BE APPROVED IN WRITING AND HAVE SIGNED APPROVAL PRIOR TO INSTALLATION.
 - ALL FASTENERS ARE TO BE CONCEALED UNLESS NOTED OTHERWISE.
 - FABRICATOR TO COORDINATE THE INSTALLATION OF SITE SIGNAGE AND ASSOCIATED FOOTINGS WITH THE GENERAL CONTRACTOR'S INSTALLATION OF THE SURROUNDING HARDSCAPE.
 - ALL TEXT SHOWN IN DETAIL DRAWINGS IS FOR REFERENCE ONLY. REFER TO SIGNAGE MESSAGE SCHEDULE FOR EXACT TEXT ON EACH SIGN.
 - ALL ROOM IDENTIFICATIONS SIGNS ARE TO BE MOUNTED 9 INCHES FROM THE CENTER OF THE SIGN TO THE LATCH SIDE OF DOOR FRAME.



6"W x 9"H x 1/4" D
3/4" RADIUS CORNERS
5/8" HELVETICA TEXT & NUMBER

Restroom - Unisex R3
6" = 1'-0"



6"W x 9"H x 1/4" D
3/4" RADIUS CORNERS
5/8" HELVETICA TEXT & NUMBER

Restroom - Women R2
6" = 1'-0"



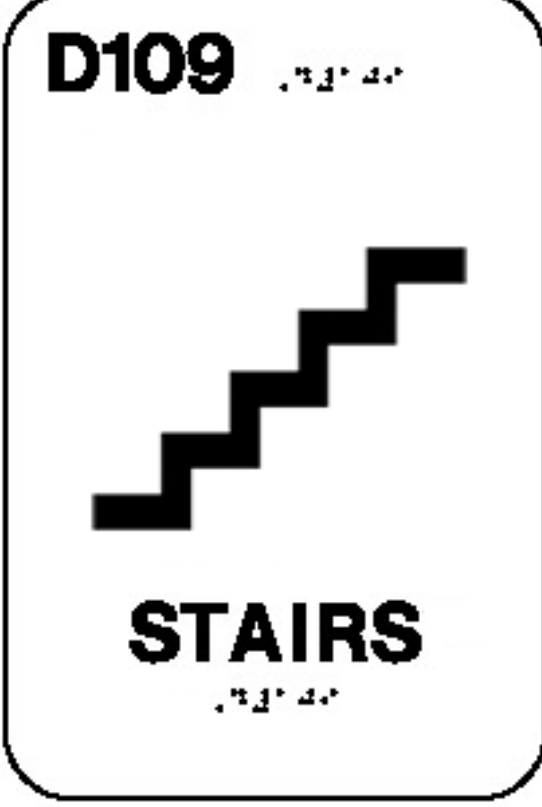
6"W x 9"H x 1/4" D
3/4" RADIUS CORNERS
5/8" HELVETICA TEXT & NUMBER

Restroom - Men R1
6" = 1'-0"



6"W x 9"H x 1/4" D
3/4" RADIUS CORNERS
5/8" HELVETICA NUMBER
HELVETICA TEXT - TEXT SIZE TBD

In Case of Fire F
6" = 1'-0"



6"W x 9"H x 1/4" D
3/4" RADIUS CORNERS
5/8" HELVETICA TEXT & NUMBER

Exit Stair E
6" = 1'-0"



6"W x 9"H x 1/4" D
3/4" RADIUS CORNERS
5/8" HELVETICA TEXT & NUMBER

Room ID (Standard) A
6" = 1'-0"

Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
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structural engineer:
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civil engineer:
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mechanical/electrical engineer:
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816.742.5000

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REVISIONS

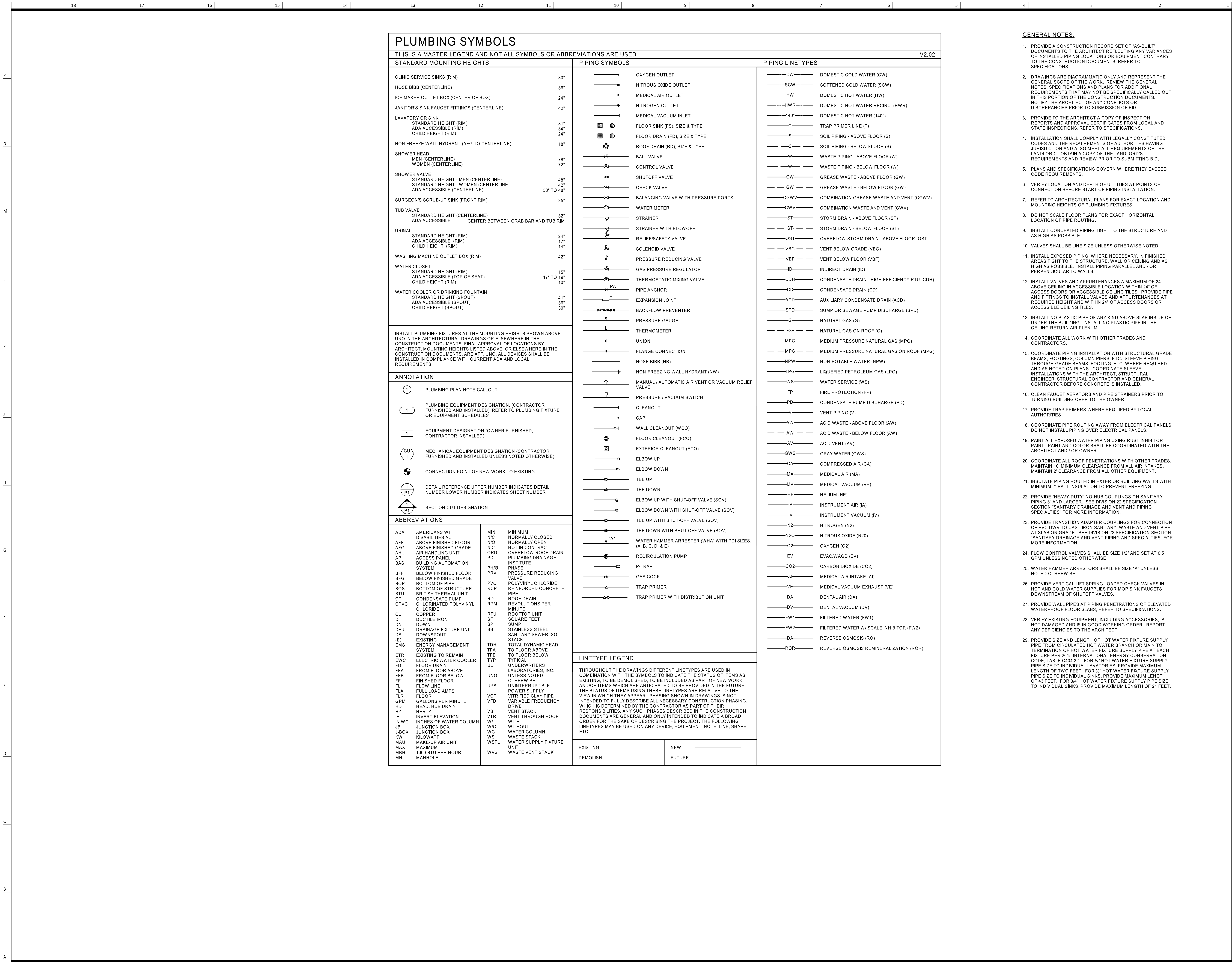
Number	DESCRIPTION	DATE
ADD02	ADDENDUM 02	10/30/2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

Signage Types,
Schedule & Details

W-AF003

BID SET



Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
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architect:
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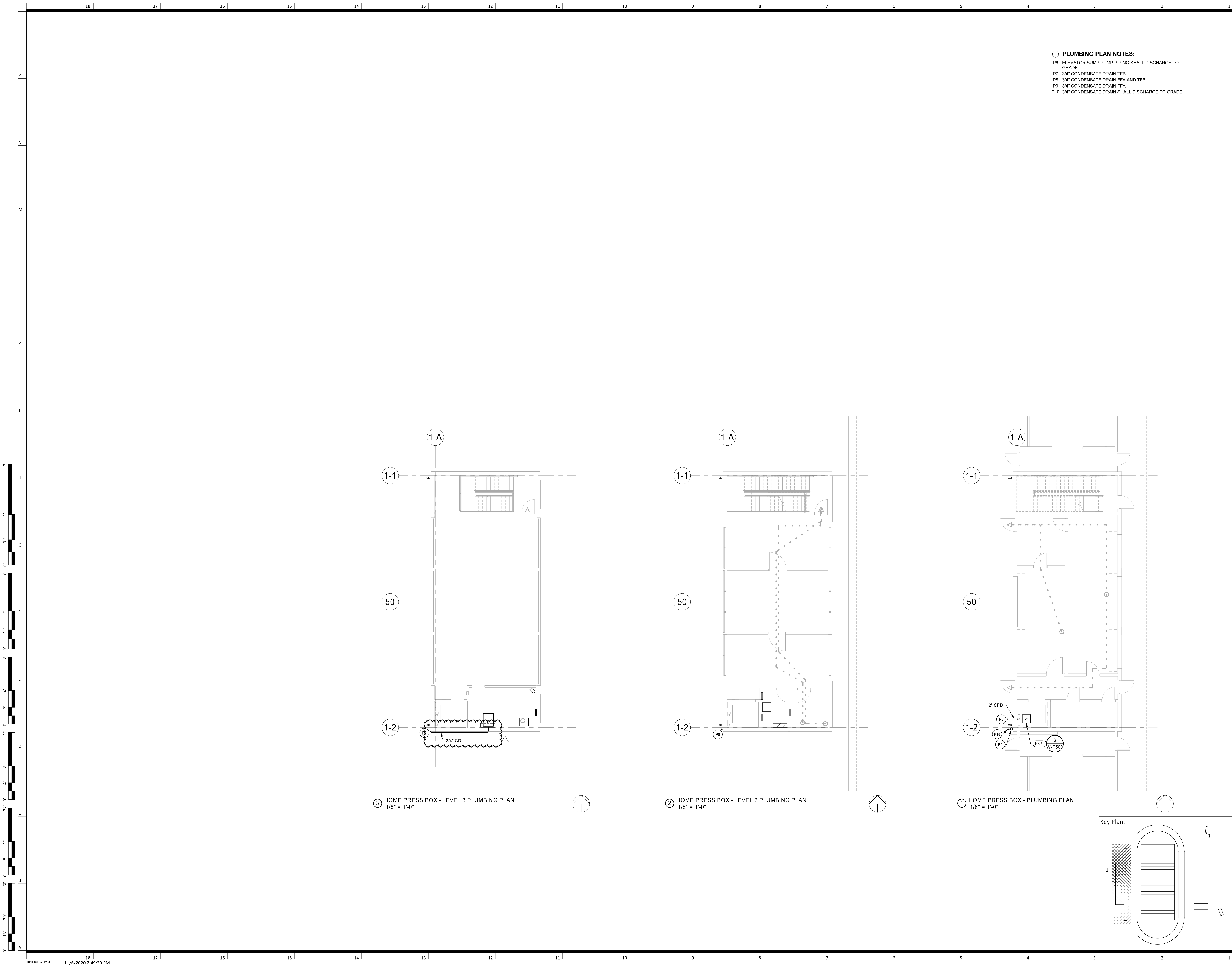
Nov 6 2020

REVISIONS		
Number	DESCRIPTION	DATE
1	Addendum 3	10.23.2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

W-P111

BID SET



Lee's Summit R7 District
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WWW.HENDERSONENGINEERS.COM
205030134
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2020



Sep 28 2020

REVISIONS

Number	DESCRIPTION	DATE
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PROJECT NO: 0119-0101
DATE: September 28, 2020

VISITOR RESTROOMS
& CONCESSIONS -
PLUMBING PLAN

W-P121

BID SET

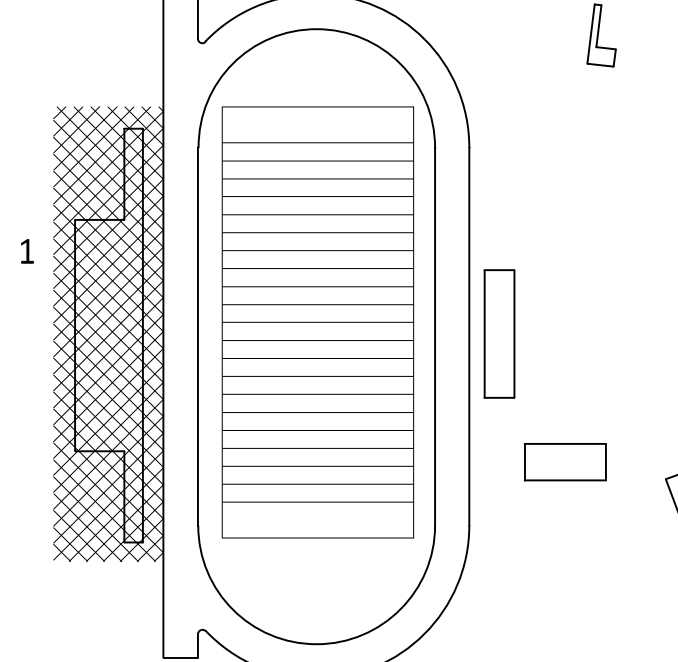
PLUMBING PLAN NOTES:

- P1 DO NOT INSTALL PLUMBING PIPING OVER ELECTRICAL PANELS OR EQUIPMENT.
P2 ROUTE 1-1/4" COLD WATER AND 1-1/2" HOT WATER DOWN AND HEADER IN WALL.
P3 ROUTE 2" COLD WATER AND 3/4" HOT WATER DOWN AND HEADER IN WALL.
P4 ROUTE 3" COLD WATER DOWN AND HEADER IN WALL.
P5 ROUTE 3/4" COLD WATER AND 3/4" HOT WATER DOWN AND HEADER IN WALL.
P11 LOCATE TRANSFORMER "T" ABOVE CEILING IN ACCESSIBLE LOCATION. REFER TO ELECTRICAL DRAWINGS FOR INSTALLATION.
P12 TRANSFORMER TO SERVE (3) WC AND (1) LAV IN WOMEN'S RESTROOM W2-102.
P13 TRANSFORMER TO SERVE (2) WC AND (2) LAV IN WOMEN'S RESTROOM W2-102.
P14 TRANSFORMER TO SERVE (1) WC, (2) UR AND (1) LAV IN MEN'S RESTROOM W2-103.
P15 TRANSFORMER TO SERVE (1) WC, (1) UR AND (1) LAV IN MEN'S RESTROOM W2-103.

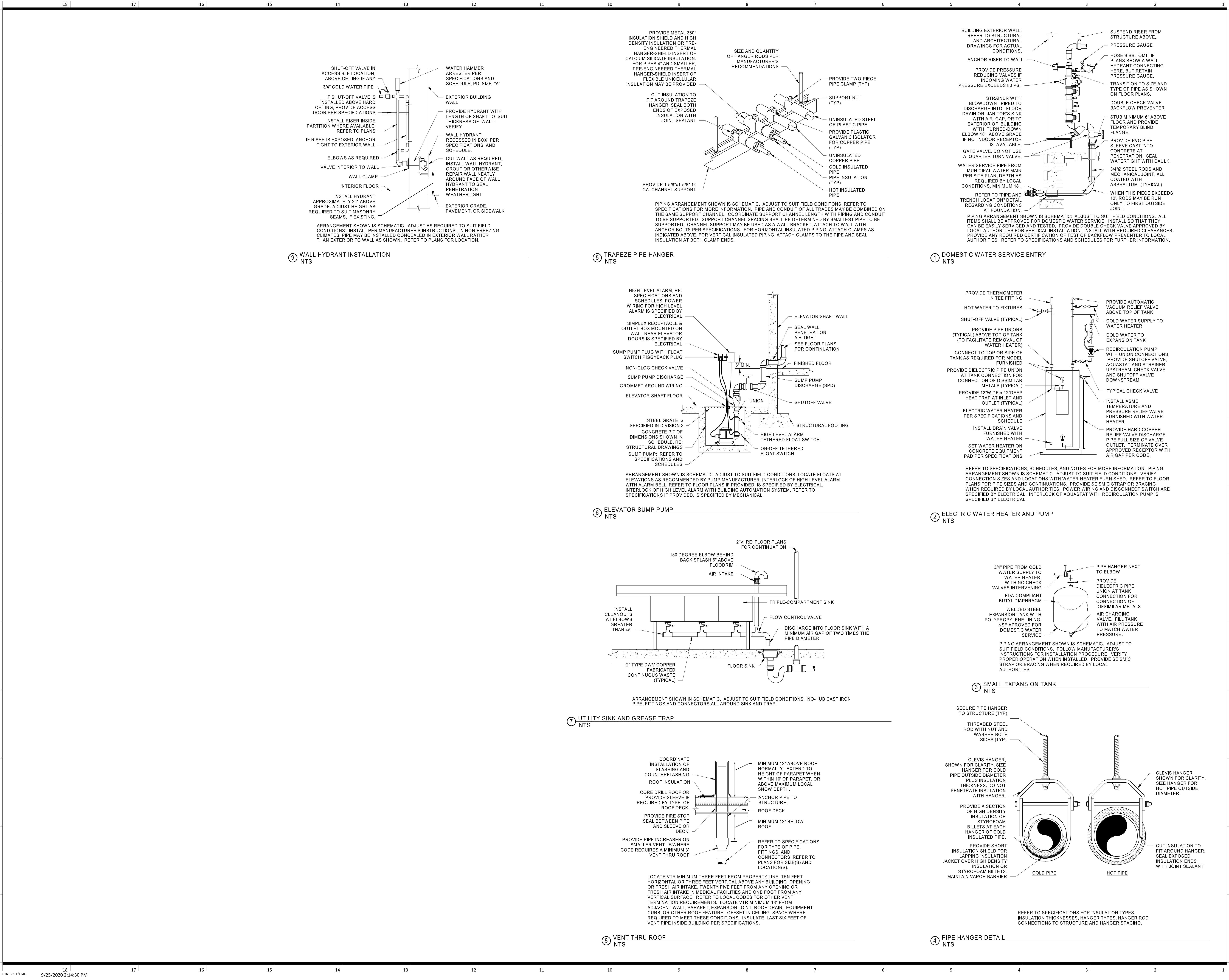
2 VISITOR RESTROOMS/CONCESSIONS - PLUMBING DOMESTIC WATER PLAN
1/4" = 1'-0"

1 VISITOR RESTROOMS/CONCESSIONS - PLUMBING WASTE AND VENT PLAN
1/4" = 1'-0"

Key Plan:



KELLEY P. CRAMM



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WWW.HENDERSONENGINEERS.COM

805003134
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2020

**KELLEY P. CRAMM
REGISTERED PROFESSIONAL ENGINEER
E-22323**

Kelley P. Cramm

Sep 28 2020

REVISIONS		
Number	DESCRIPTION	DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

PLUMBING DETAILS

W-P500

BID SET

NOTES:

A. 100°F TEMPERATURE RISE WITH 140°F OPERATING TEMPERATURE.

NOTES:

- A. PROVIDE WEIL #8245 FLOAT SWITCH WITH POWER CORD AND PIGGYBACK PLUG.
- B. PROVIDE WITH WEIL #341K1015 HIGH LEVEL ALARM WITH AUXILIARY CONTACT, REFER TO SPECIFICATION
- C. PROVIDE 2" DISCHARGE PIPING, SHUTOFF VALVE AND ZOELLER #30-0030 FLAPPER NON-CLOG CHECK VALVE.
- D. REFER TO DETAIL FOR MORE INSTALLATION INFORMATION.
- E. INSTALL IN 24" SQUARE x 24" DEEP SUMP PIT LOCATED IN ELEVATOR PIT, SEE ARCHITECTURAL DRAWINGS

NOTES:

A. CHARGE TANK WITH AIR TO IDENTICAL PRESSURE AS STATIC DOMESTIC WATER PRESSURE

NOTES:

- A. ALL LEAD FREE CAST BRONZE BOOSTER.
- B. PROVIDE WITH STRAINER UPSTREAM OF PUMP.
- C. PROVIDE ADJUSTABLE, SURFACE MOUNTED AQUASTAT - HONEYWELL L6006C.
- D. SET AQUASTAT TO SHUT OFF RECIRCULATION PUMP AT WATER HEATER SET POINT AND ON AT 10°F BELOW SET POINT

NOTE: PIPE SIZES SHOWN ARE MINIMUM.

FIXTURES IN THIS SCHEDULE OR THEIR APPROVED EQUIVALENT ARE PROVIDED BY THE PLUMBING CONTRACTOR. SUBMIT SHOP DRAWINGS ON EACH OF THESE ITEMS. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION AND INSTALLATION REQUIREMENTS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE PLUMBING FIXTURE MOUNTING HEIGHTS.

HENDERSON
ENGINEERS
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WWW.HENDERSONENGINEERS.COM
2050003134
MO. CORPORATE NO: E-556D
EXPIRES 12/31/2020



PROJECT NO: 0119-0101
DATE: September 28, 2020

PLUMBING SCHEDULES

W-P600

BID SET

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Sep 28 2020

REVISIONS

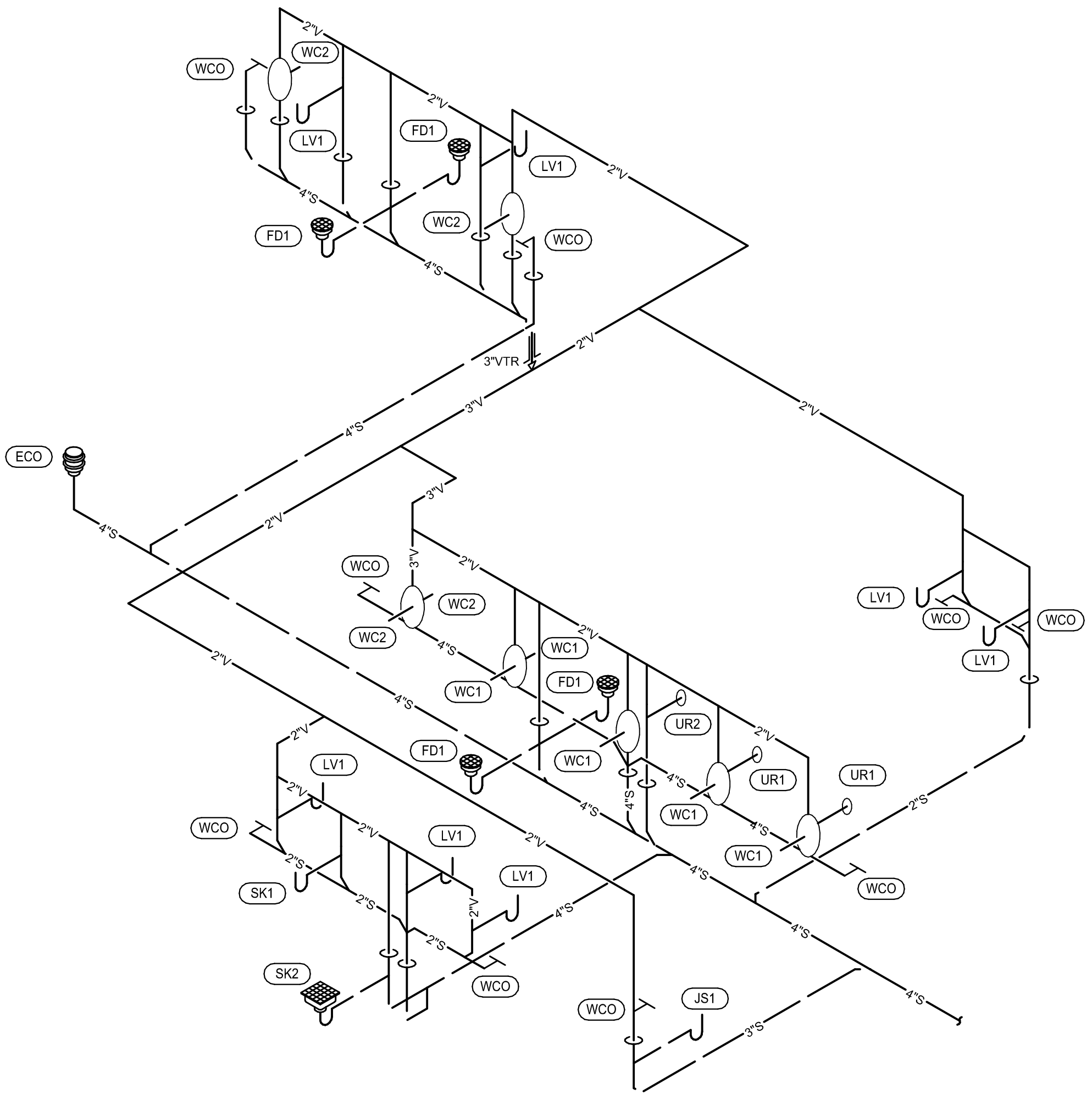
Number	DESCRIPTION	DATE
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PROJECT NO: 0119-0101
DATE: September 28, 2020

PLUMBING RISERS

W-P700

BID SET



1 PLUMBING RESTROOM WASTE AND VENT RISER
NTS

18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

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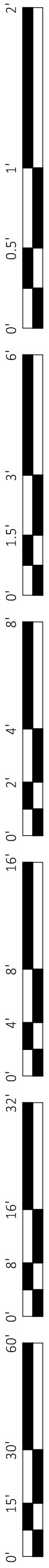
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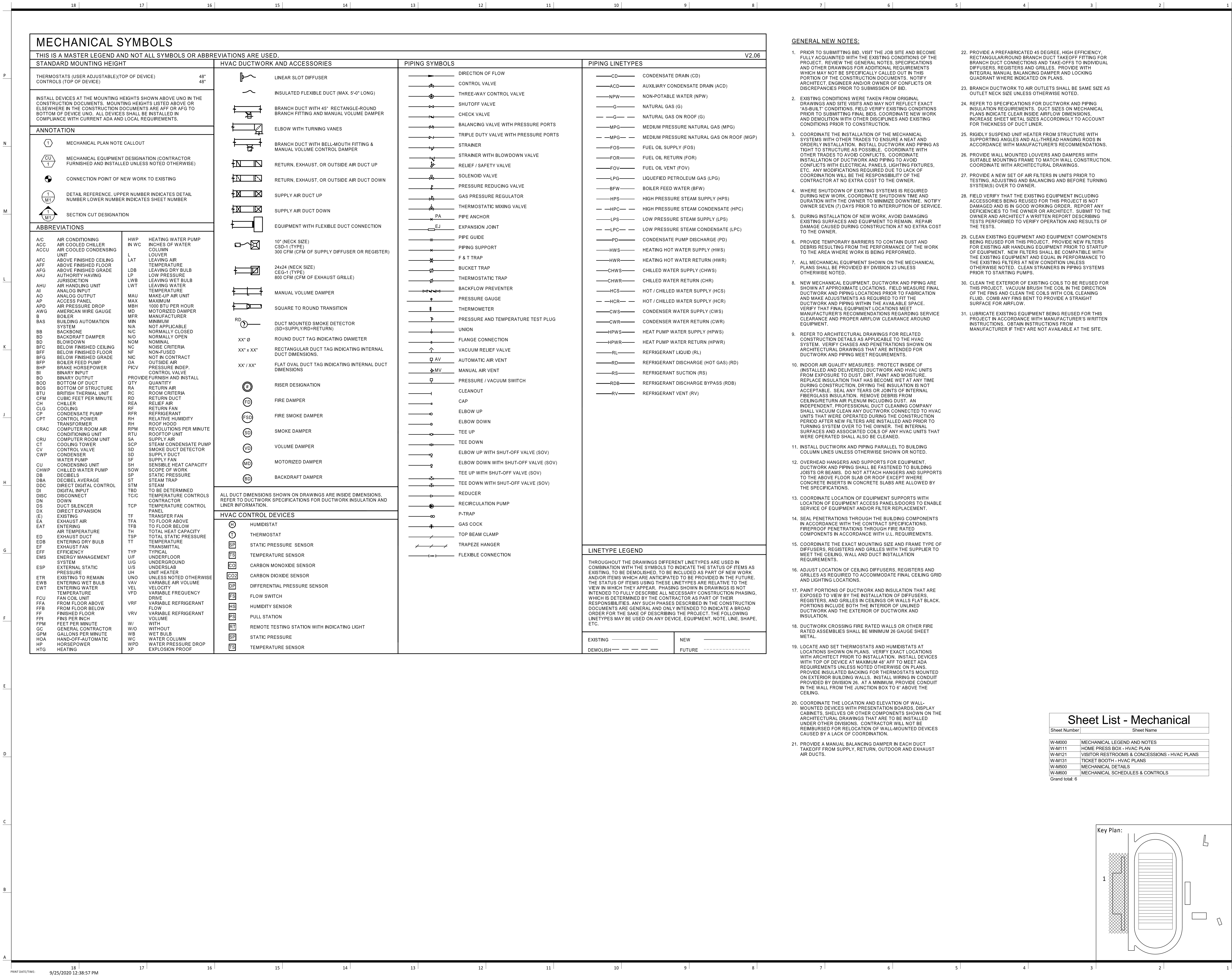
D

C

B

A





Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

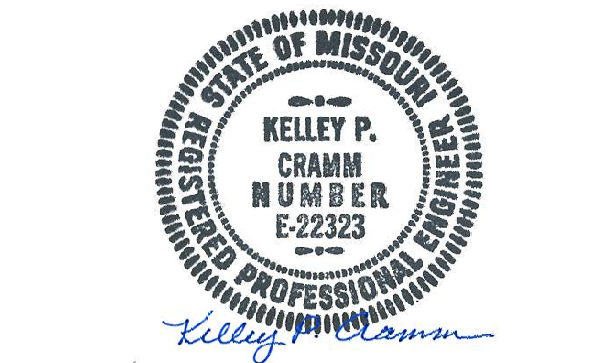
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MO. CORPORATE NO. E-556D
EXPIRES 12/31/2020



SEP 25 2020

REVISIONS

Number DESCRIPTION DATE

PROJECT NO: 0119-0101
DATE: September 28, 2020

MECHANICAL LEGEND
AND NOTES

W-M000

BID SET

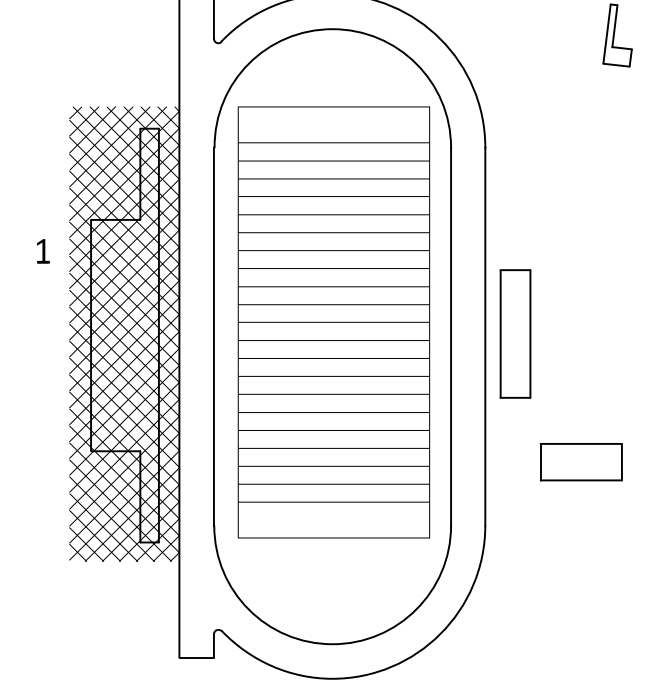
GENERAL NEW NOTES:

1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
3. COORDINATE THE INSTALLATION OF THE MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
4. WHERE SHUTDOWN OF EXISTING SYSTEMS IS REQUIRED DURING NEW WORK, COORDINATE SHUTDOWN TIME AND DURATION WITH THE OWNER TO MINIMIZE DOWNTIME. NOTIFY OWNER SEVEN (7) DAYS PRIOR TO INTERRUPTION OF SERVICE.
5. DURING INSTALLATION OF NEW WORK, AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN. REPAIR DAMAGE CAUSED DURING CONSTRUCTION AT NO EXTRA COST TO THE OWNER.
6. PROVIDE TEMPORARY BARRIERS TO CONTAIN DUST AND DEBRIS RESULTING FROM THE PERFORMANCE OF THE WORK TO THE AREA WHERE WORK IS BEING PERFORMED.
7. ALL MECHANICAL EQUIPMENT SHOWN ON THE MECHANICAL PLANS SHALL BE PROVIDED BY DIVISION 23 UNLESS OTHERWISE NOTED.
8. NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO INSTALLATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
9. REFER TO ARCHITECTURAL DRAWINGS FOR RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE HVAC SYSTEM. VERIFY CHASES AND PENETRATIONS SHOWN ON ARCHITECTURAL DRAWINGS THAT ARE INTENDED FOR DUCTWORK AND PIPING MEET REQUIREMENTS.
10. INDOOR AIR QUALITY MEASURES: PROTECT INSIDE OF INSTALLED AND DELIVERED DUCTWORK AND HVAC UNITS FROM EXPOSURE TO DUST, DIRT, PAINT AND MOISTURE. REPLACE INSULATION THAT HAS BECOME WET AT ANY TIME DURING CONSTRUCTION. DRYING THE INSULATION IS NOT ACCEPTABLE. SEAL ANY TEARS OR JOINTS OF INTERNAL FIBERGLASS INSULATION. REMOVE DEBRIS FROM CEILING/RETURN AIR PLENUM INCLUDING DUST. AN INDEPENDENT, PROFESSIONAL DUCT CLEANING COMPANY SHALL VACUUM CLEAN ANY DUCTWORK CONNECTED TO HVAC UNITS THAT WERE OPERATED DURING THE CONSTRUCTION PERIOD AFTER NEW FILTERS ARE INSTALLED AND PRIOR TO TURNING SYSTEM OVER TO THE OWNER. THE INTERNAL SURFACES AND ASSOCIATED COILS OF ANY HVAC UNITS THAT WERE OPERATED SHALL ALSO BE CLEANED.
11. INSTALL DUCTWORK AND PIPING PARALLEL TO BUILDING COLUMN LINES UNLESS OTHERWISE SHOWN OR NOTED.
12. OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL BE FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF EXCEPT WHERE CONCRETE INSERTS IN CONCRETE SLABS ARE ALLOWED BY THE SPECIFICATIONS.
13. COORDINATE LOCATION OF EQUIPMENT SUPPORTS WITH LOCATION OF EQUIPMENT ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT AND/OR FILTER REPLACEMENT.
14. SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.
15. COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
16. ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
17. PAINT PORTIONS OF DUCTWORK AND INSULATION THAT ARE EXPOSED TO VIEW BY THE INSTALLATION OF DIFFUSERS, REGISTERS, AND GRILLES IN CEILINGS OR WALLS FLAT BLACK. PORTIONS INCLUDE BOTH THE INTERIOR OF UNLINED DUCTWORK AND THE EXTERIOR OF DUCTWORK AND INSULATION.
18. DUCTWORK CROSSING FIRE RATED WALLS OR OTHER FIRE RATED ASSEMBLIES SHALL BE MINIMUM 26 GAUGE SHEET METAL.
19. LOCATE AND SET THERMOSTATS AND HUMIDISTATS AT LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. INSTALL DEVICES WITH TOP OF DEVICE AT MAXIMUM 48" AFT TO MEET ADA REQUIREMENTS UNLESS NOTED OTHERWISE ON PLANS. PROVIDE INSULATED BACKING FOR THERMOSTATS MOUNTED ON EXTERIOR BUILDING WALLS. INSTALL WIRING IN CONDUIT PROVIDED BY DIVISION 26. AT A MINIMUM, PROVIDE CONDUIT IN THE WALL FROM THE JUNCTION BOX TO 6" ABOVE THE CEILING.
20. COORDINATE THE LOCATION AND ELEVATION OF WALL-MOUNTED DEVICES WITH PRESENTATION BOARDS, DISPLAY CABINETS, SHELVES OR OTHER COMPONENTS SHOWN ON THE ARCHITECTURAL DRAWINGS THAT ARE TO BE INSTALLED UNDER OTHER DIVISIONS. CONTRACTOR WILL NOT BE REIMBURSED FOR RELOCATION OF WALL-MOUNTED DEVICES CAUSED BY A LACK OF COORDINATION.
21. PROVIDE A MANUAL BALANCING DAMPER IN EACH DUCT TAKEOFF FROM SUPPLY, RETURN, OUTDOOR AND EXHAUST AIR DUCTS.
22. PROVIDE A PREFABRICATED 45 DEGREE, HIGH EFFICIENCY, RECTANGULAR/ROUND BRANCH DUCT TAKEOFF FITTING FOR BRANCH DUCT CONNECTIONS AND TAKE-OFFS TO INDIVIDUAL DIFFUSERS, REGISTERS AND GRILLES. PROVIDE WITH INTEGRAL MANUAL BALANCING DAMPER AND LOCKING QUADRANT WHERE INDICATED ON PLANS.
23. BRANCH DUCTWORK TO AIR OUTLETS SHALL BE SAME SIZE AS OUTLET NECK SIZE UNLESS OTHERWISE NOTED.
24. REFER TO SPECIFICATIONS FOR DUCTWORK AND MECHANICAL INSULATION REQUIREMENTS. DUCT SIZES ON MECHANICAL PLANS INDICATE CLEAR INSIDE AIRFLOW DIMENSIONS. INCREASE SHEET METAL SIZES ACCORDINGLY TO ACCOUNT FOR THICKNESS OF DUCT LINER.
25. RIGIDLY SUSPEND UNIT HEATER FROM STRUCTURE WITH SUPPORTING ANGLES AND ALL-THREAD HANGING RODS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
26. PROVIDE WALL MOUNTED LOUVERS AND DAMPERS WITH SUITABLE MOUNTING FRAME TO MATCH WALL CONSTRUCTION. COORDINATE WITH ARCHITECTURAL DRAWINGS.
27. PROVIDE A NEW SET OF AIR FILTERS IN UNITS PRIOR TO TESTING, ADJUSTING AND BALANCING AND BEFORE TURNING SYSTEM(S) OVER TO OWNER.
28. FIELD VERIFY THAT THE EXISTING EQUIPMENT INCLUDING ACCESSORIES BEING REUSED FOR THIS PROJECT IS NOT DAMAGED AND IS IN GOOD WORKING ORDER. REPORT ANY DEFICIENCIES TO THE OWNER OR ARCHITECT. SUBMIT TO THE OWNER AND ARCHITECT A WRITTEN REPORT DESCRIBING TESTS PERFORMED TO VERIFY OPERATION AND RESULTS OF THE TESTS.
29. CLEAN EXISTING EQUIPMENT AND EQUIPMENT COMPONENTS BEING REUSED FOR THIS PROJECT. PROVIDE NEW FILTERS FOR EXISTING AIR HANDLING EQUIPMENT PRIOR TO STARTUP OF EQUIPMENT. NEW FILTERS SHALL BE COMPATIBLE WITH THE EXISTING EQUIPMENT AND EQUAL IN PERFORMANCE TO THE EXISTING FILTERS AT NEW CONDITION UNLESS OTHERWISE NOTED. CLEAN STRAINERS IN PIPING SYSTEMS PRIOR TO STARTING PUMPS.
30. CLEAN THE EXTERIOR OF EXISTING COILS TO BE REUSED FOR THIS PROJECT. VACUUM BRUSH THE COIL IN THE DIRECTION OF THE FINS AND CLEAN THE COILS WITH COIL CLEANING FLUID. COMB ANY FINS BENT TO PROVIDE A STRAIGHT SURFACE FOR AIRFLOW.
31. LUBRICATE EXISTING EQUIPMENT BEING REUSED FOR THIS PROJECT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. OBTAIN INSTRUCTIONS FROM MANUFACTURER IF THEY ARE NOT AVAILABLE AT THE SITE.

Sheet List - Mechanical

Sheet Number	Sheet Name
W-M000	MECHANICAL LEGEND AND NOTES
W-M111	HOME PRESS BOX - HVAC PLAN
W-M121	VISITOR RESTROOMS & CONCESSIONS - HVAC PLANS
W-M131	TICKET BOOTH - HVAC PLANS
W-M500	MECHANICAL DETAILS
W-M600	MECHANICAL SCHEDULES & CONTROLS
Grand total: 6	

Key Plan:



Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R-7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

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MECHANICAL PLAN NOTES:

- M1 EXISTING HEATER AND ALL ASSOCIATED ACCESSORIES TO REMAIN.
M2 INSTALL CONDENSING UNIT ON WALL ABOVE LOW ROOF. ROUTE REFRIGERANT PIPING INSIDE AND UP THE INTERIOR OF THE BUILDING. REFER TO SPECIFICATIONS AND MANUFACTURER REQUIREMENTS.
M5 INSTALL UNIT HEATER SUSPENDED FROM STRUCTURE ACCORDING TO MANUFACTURER REQUIREMENTS AND SPECIFICATIONS.
M8 INSTALL THERMOSTAT IN ELEVATOR SHAFT AS CLOSE AS POSSIBLE TO ELEVATOR CONTROLLER WITHOUT INTERFERING WITH ELEVATOR OPERATION.
M10 INSTALL FAN COIL UNIT SUSPENDED FROM STRUCTURE. REFER TO SPECIFICATIONS.



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EXPIRES 12/31/2020



Nov 6 2020

REVISIONS

Number	DESCRIPTION	DATE
1	Addendum 3	10.23.2020

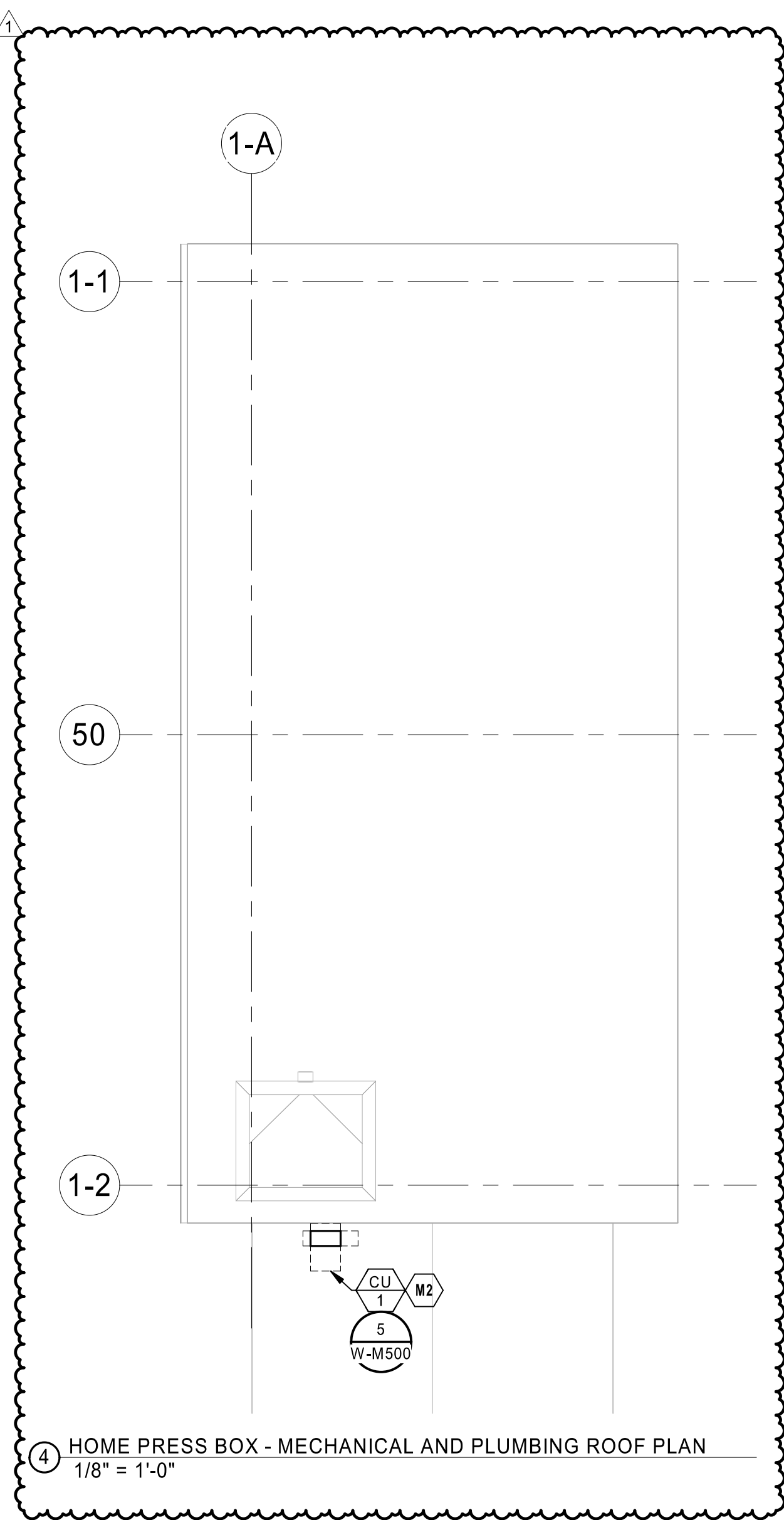
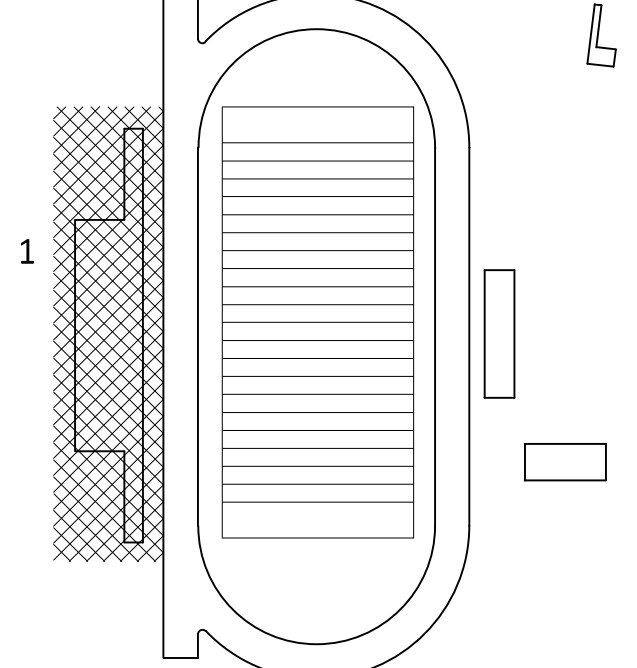
PROJECT NO: 0119-0101
DATE: September 28, 2020

HOME PRESS BOX -
HVAC PLAN

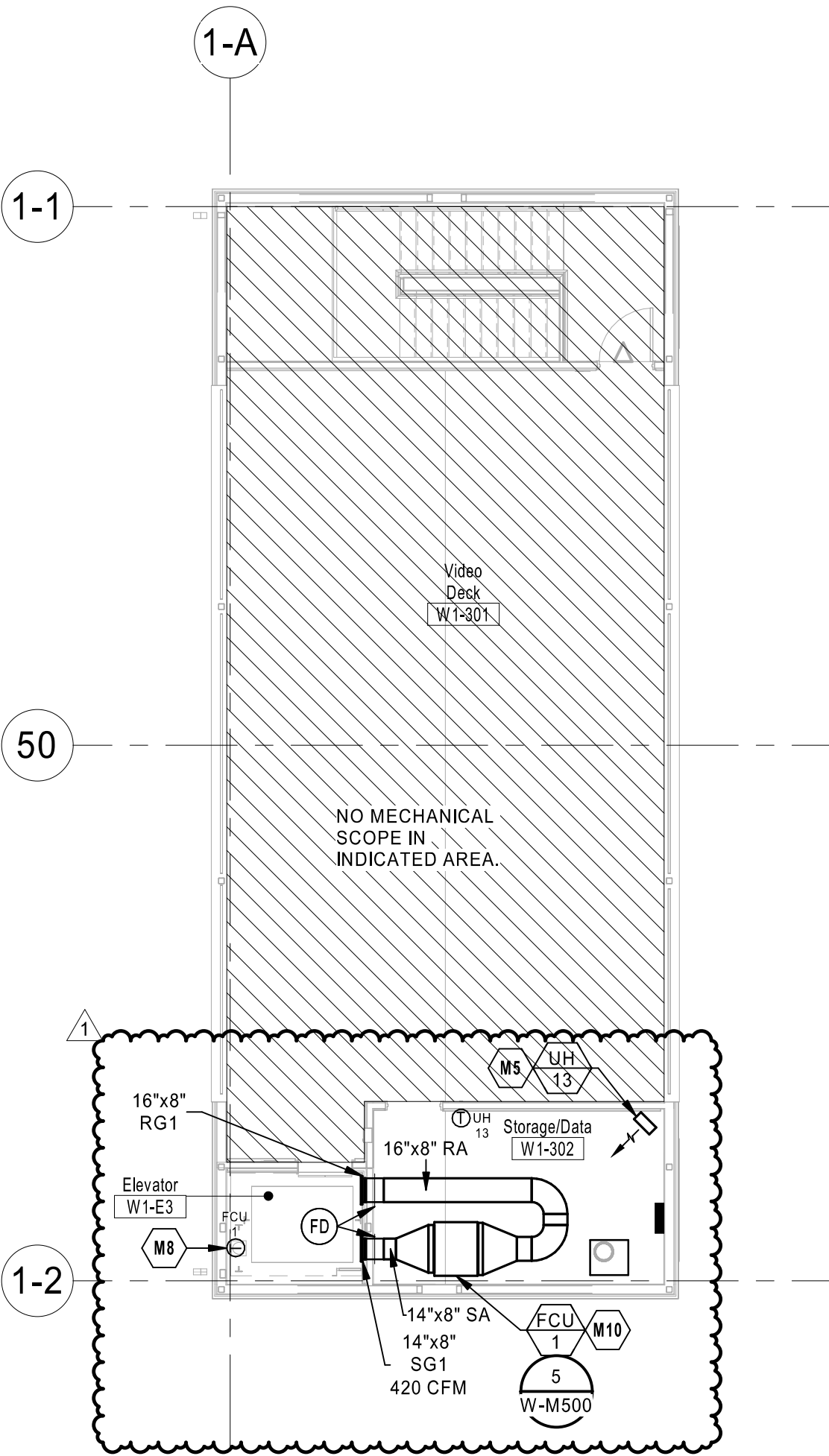
W-M111

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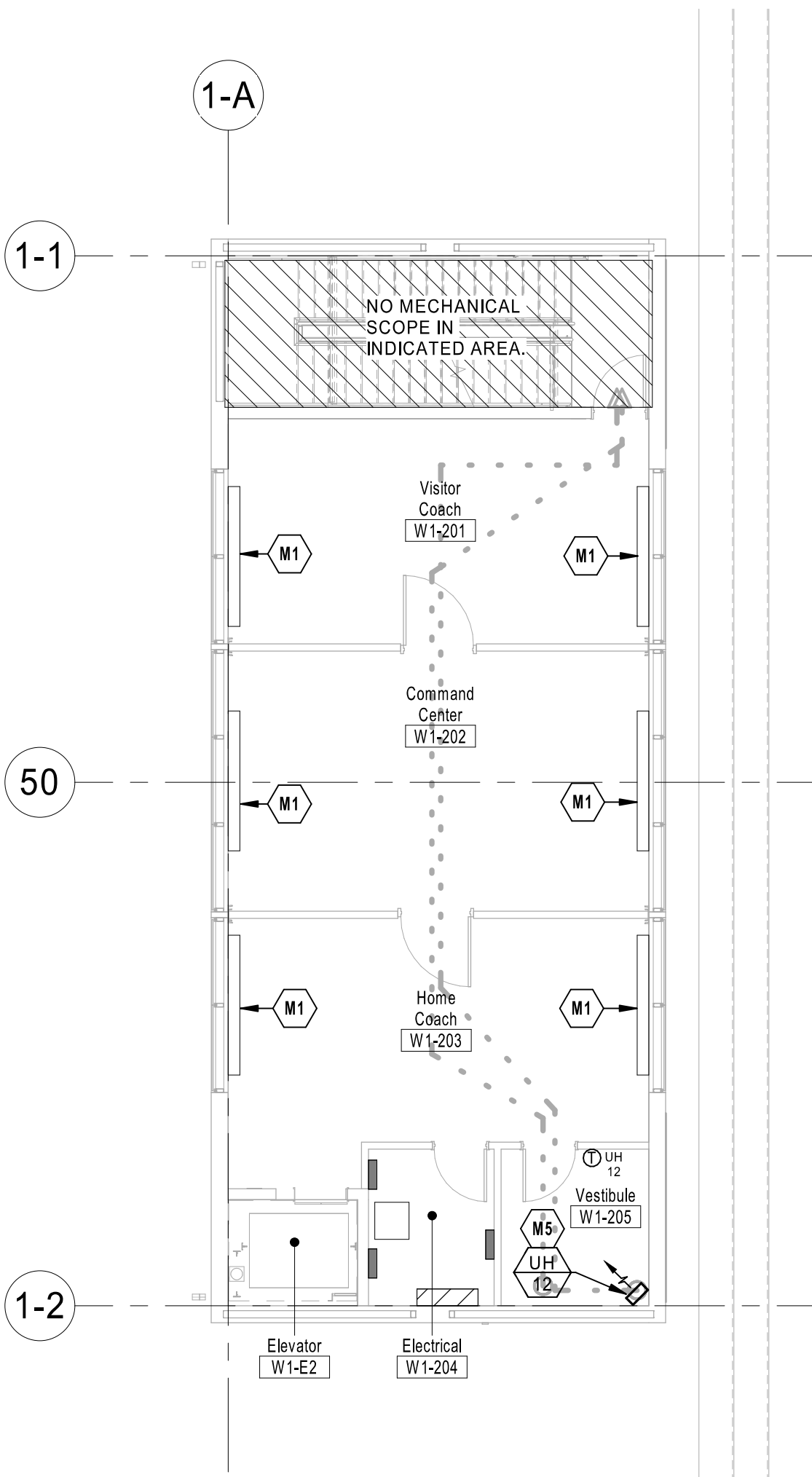
Key Plan:



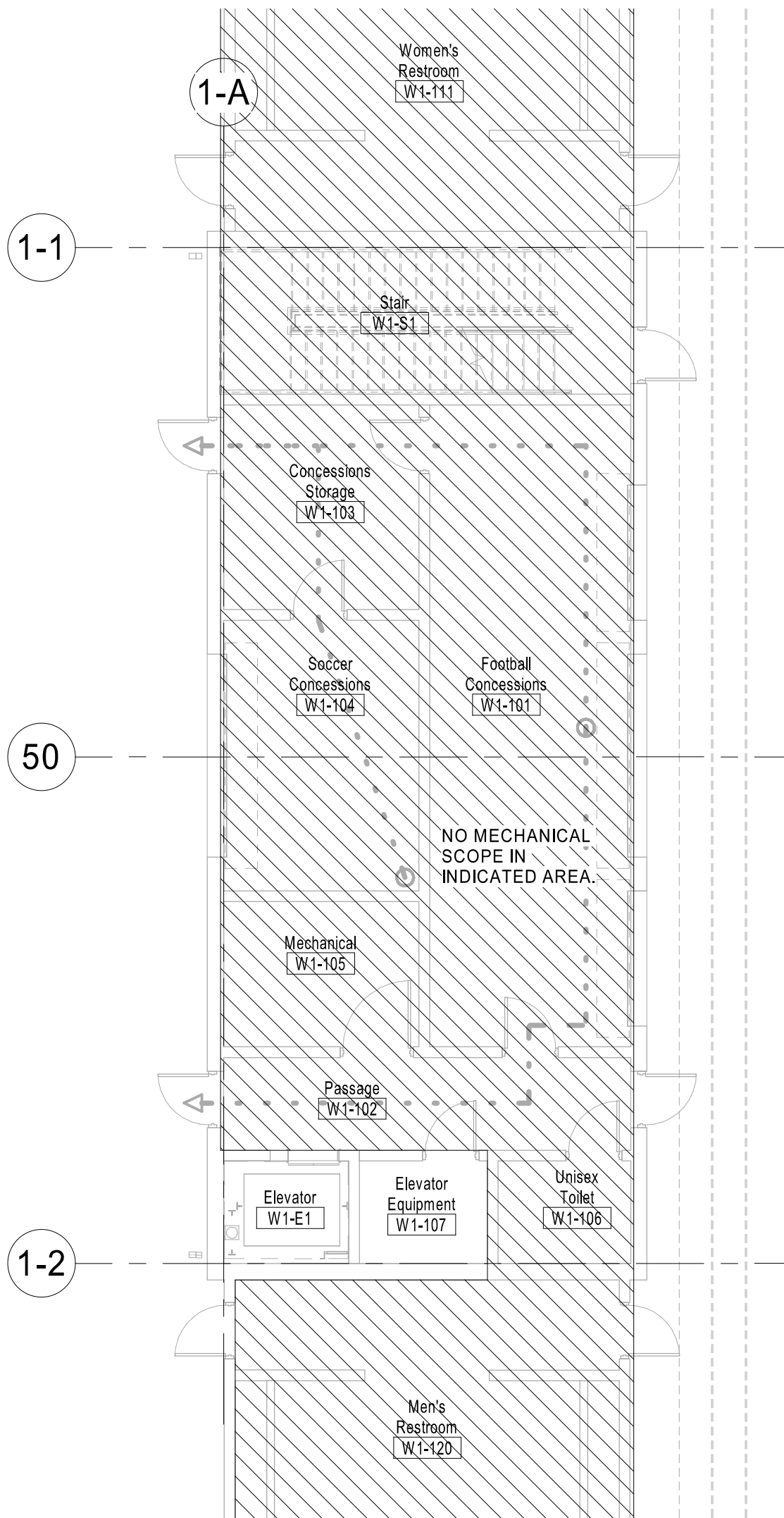
③ HOME PRESS BOX - LEVEL 3 HVAC PLAN
1/8" = 1'-0"



② HOME PRESS BOX - LEVEL 2 HVAC PLAN
1/8" = 1'-0"



① HOME PRESS BOX - HVAC PLAN
1/8" = 1'-0"



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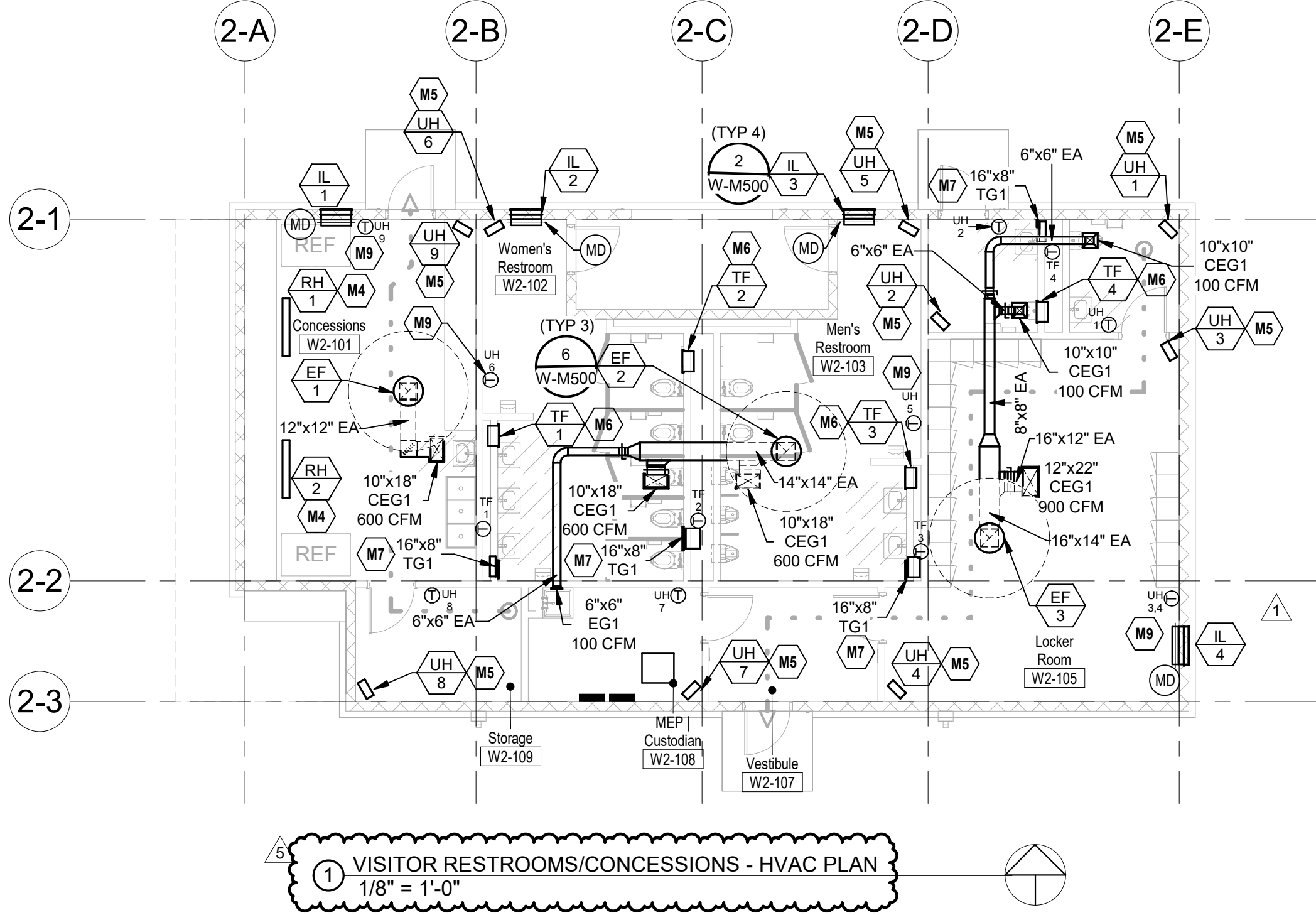
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1	Addendum 3	10.23.2020

PROJECT NO: 0119-0101
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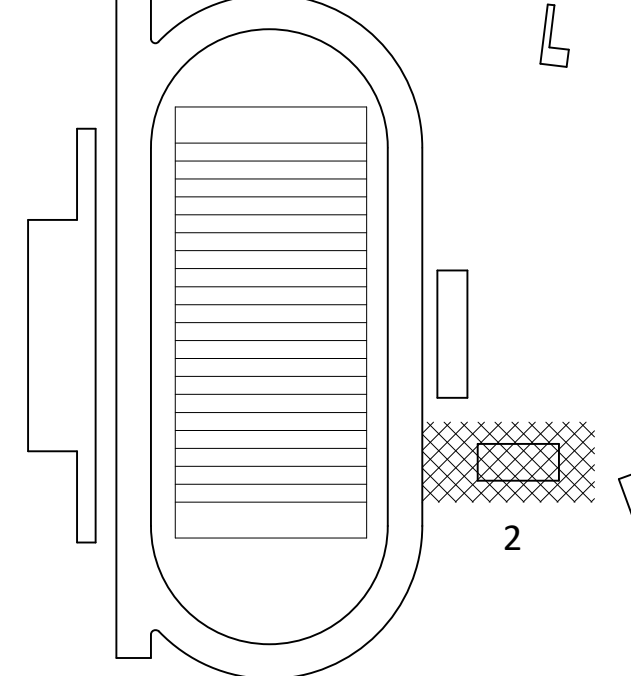
VISITOR RESTROOMS
& CONCESSIONS -
HVAC PLANS

W-M121

BID SET



Key Plan:



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Athletics Facilities

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Sep 25 2020

REVISIONS

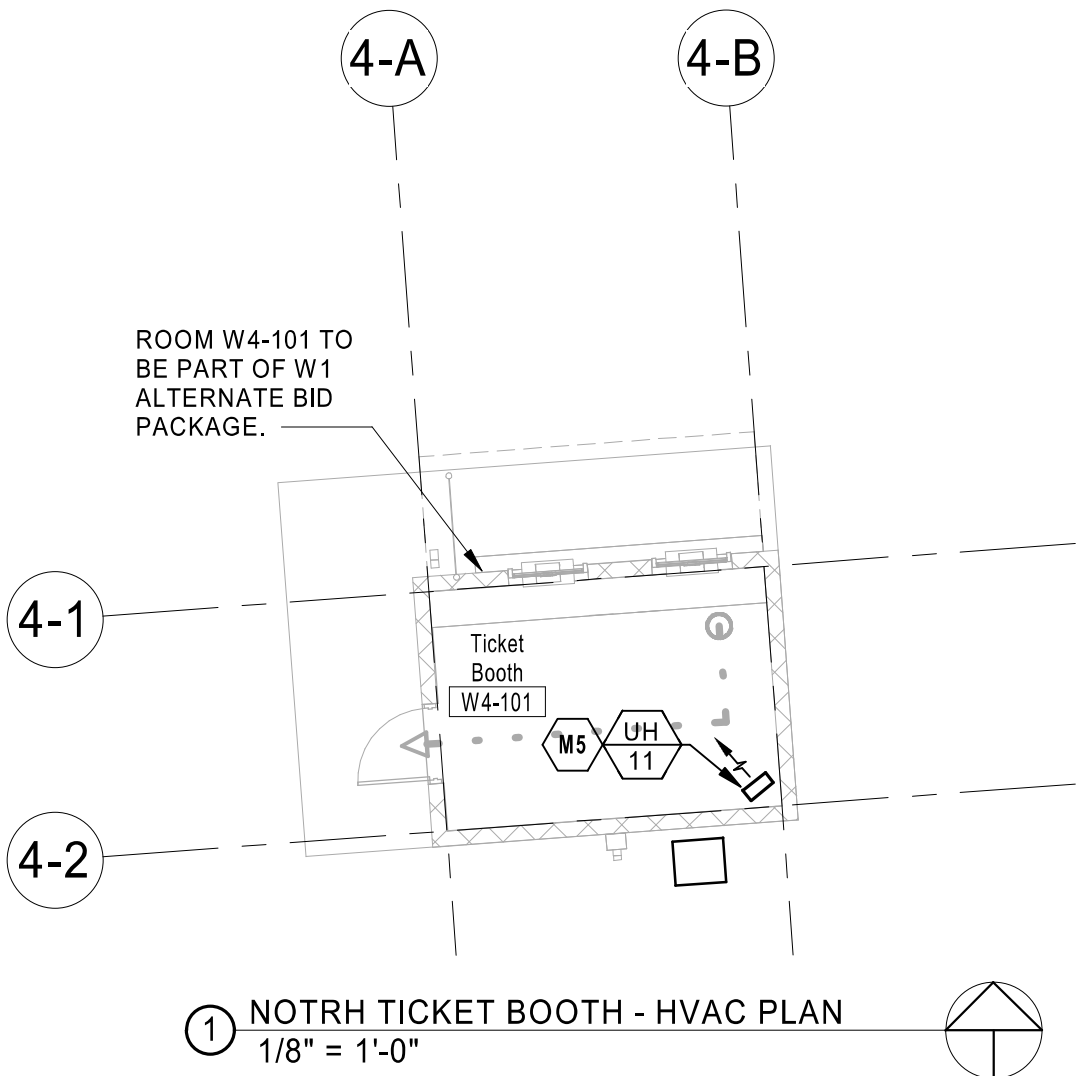
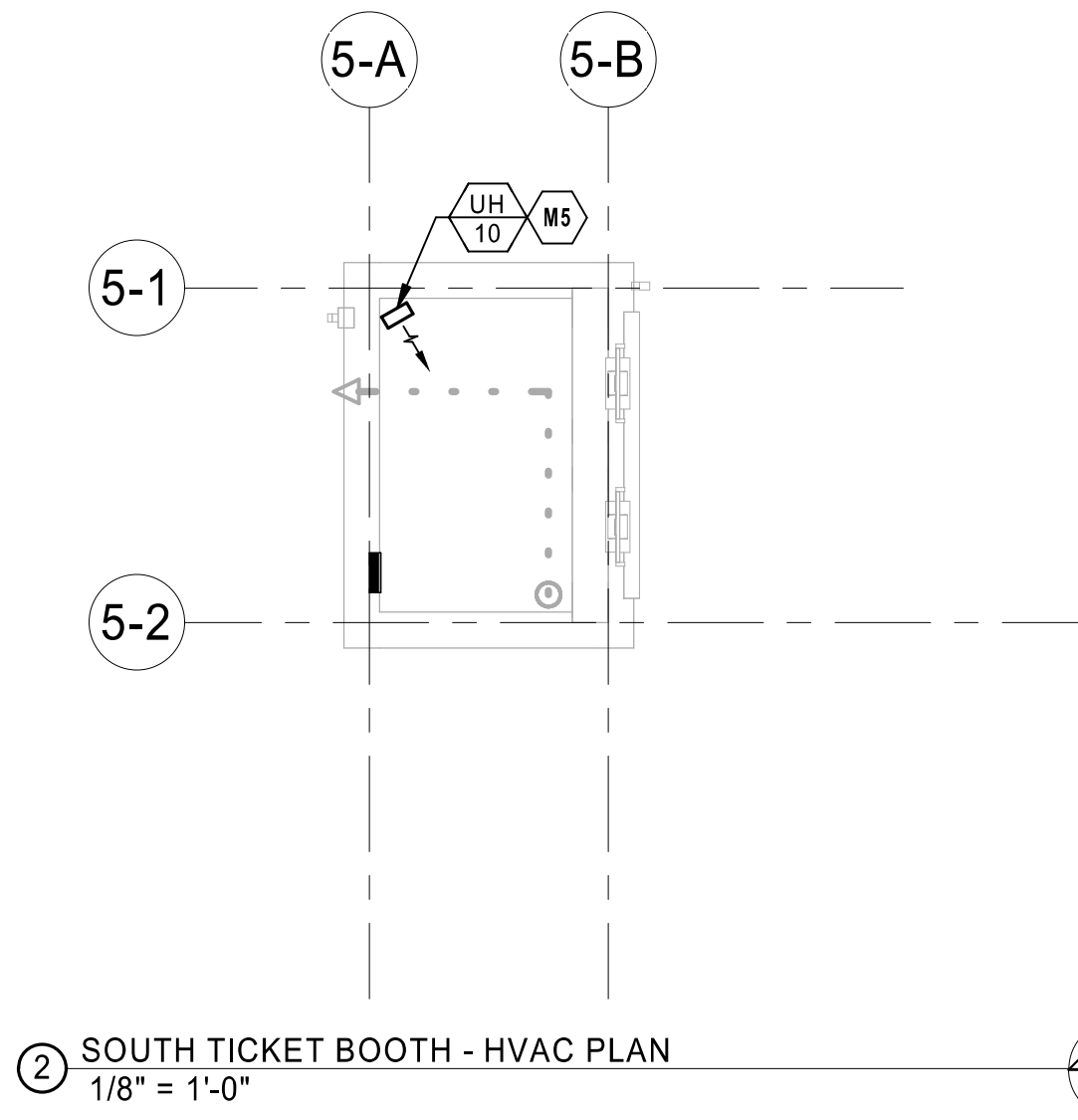
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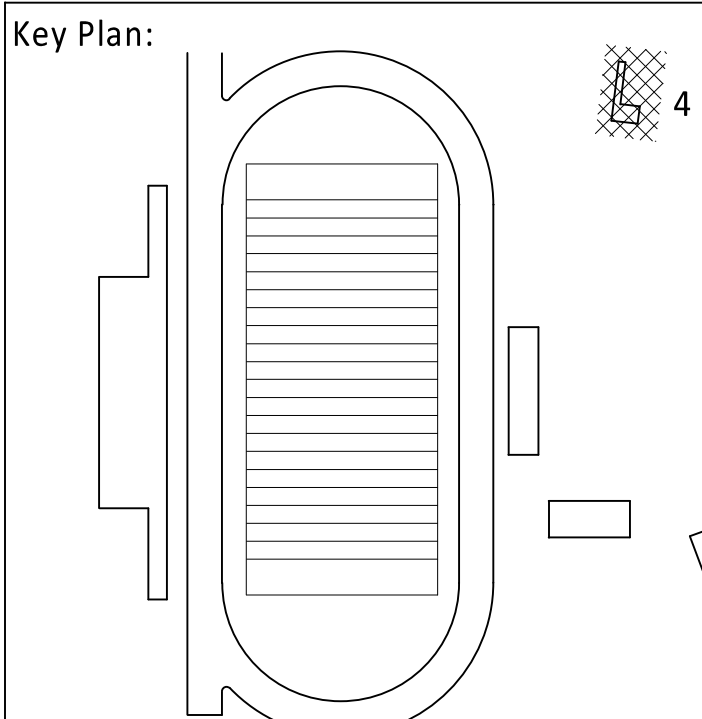
TICKET BOOTH - HVAC
PLANS

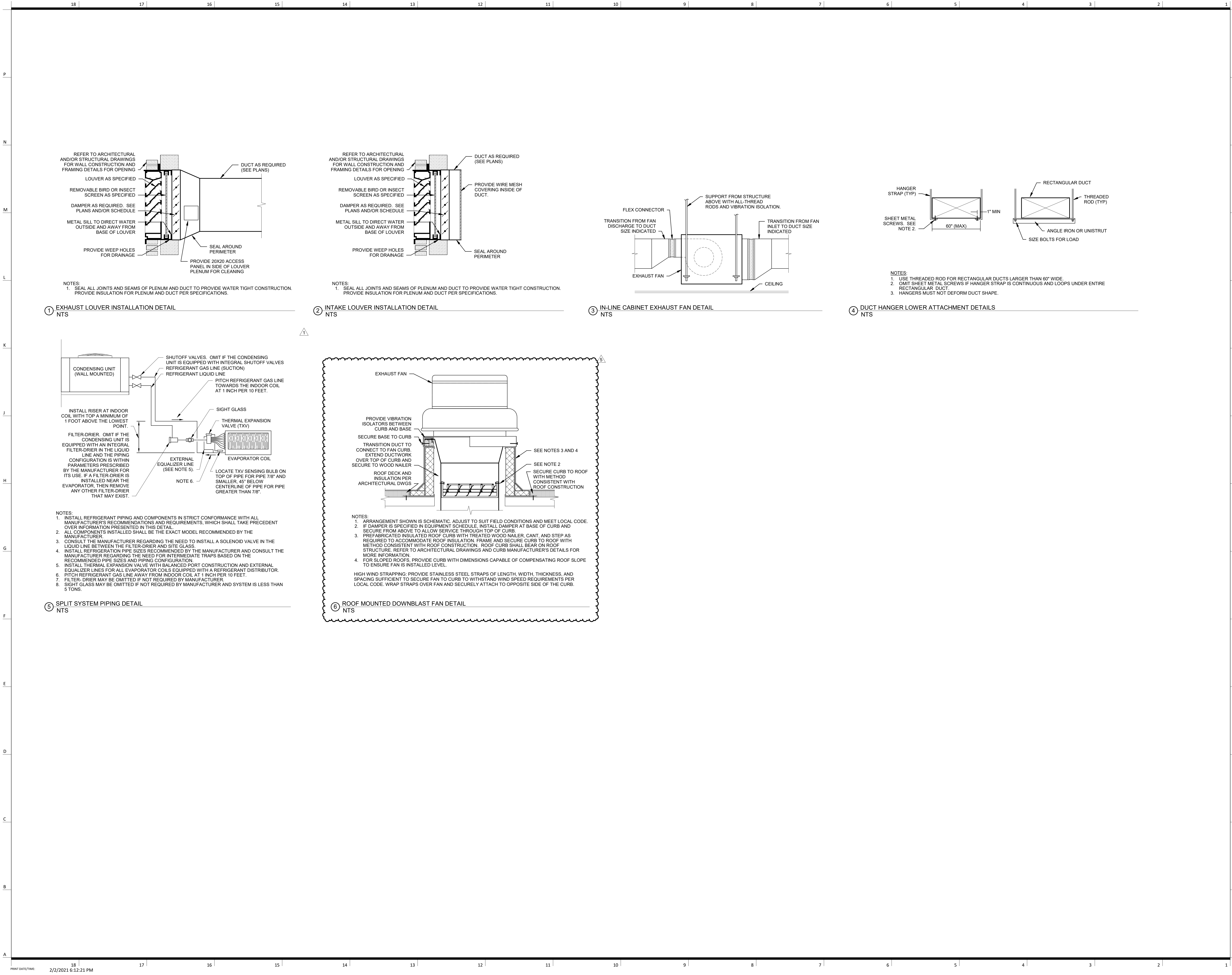
W-M131

BID SET



MECHANICAL PLAN NOTES:
MS INSTALL UNIT HEATER SUSPENDED FROM STRUCTURE
ACCORDING TO MANUFACTURER REQUIREMENTS AND
SPECIFICATIONS.





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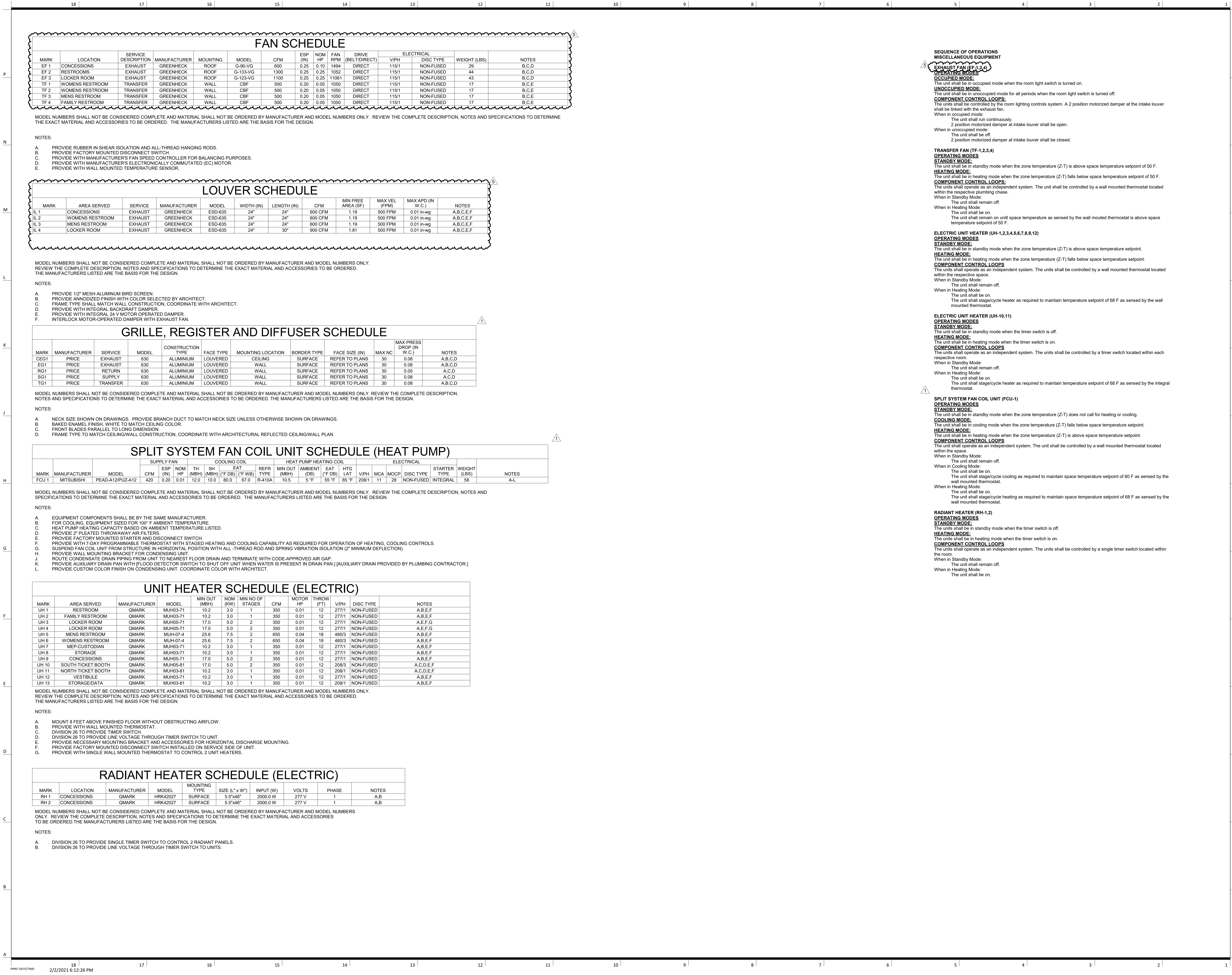
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EXPIRES 12/31/2021

REVISIONS		
NUMBER	DESCRIPTION	DATE
5	PR 11	02.23.2021
1	Addendum 3	10.23.2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

MECHANICAL DETAILS
W-M500
BID SET



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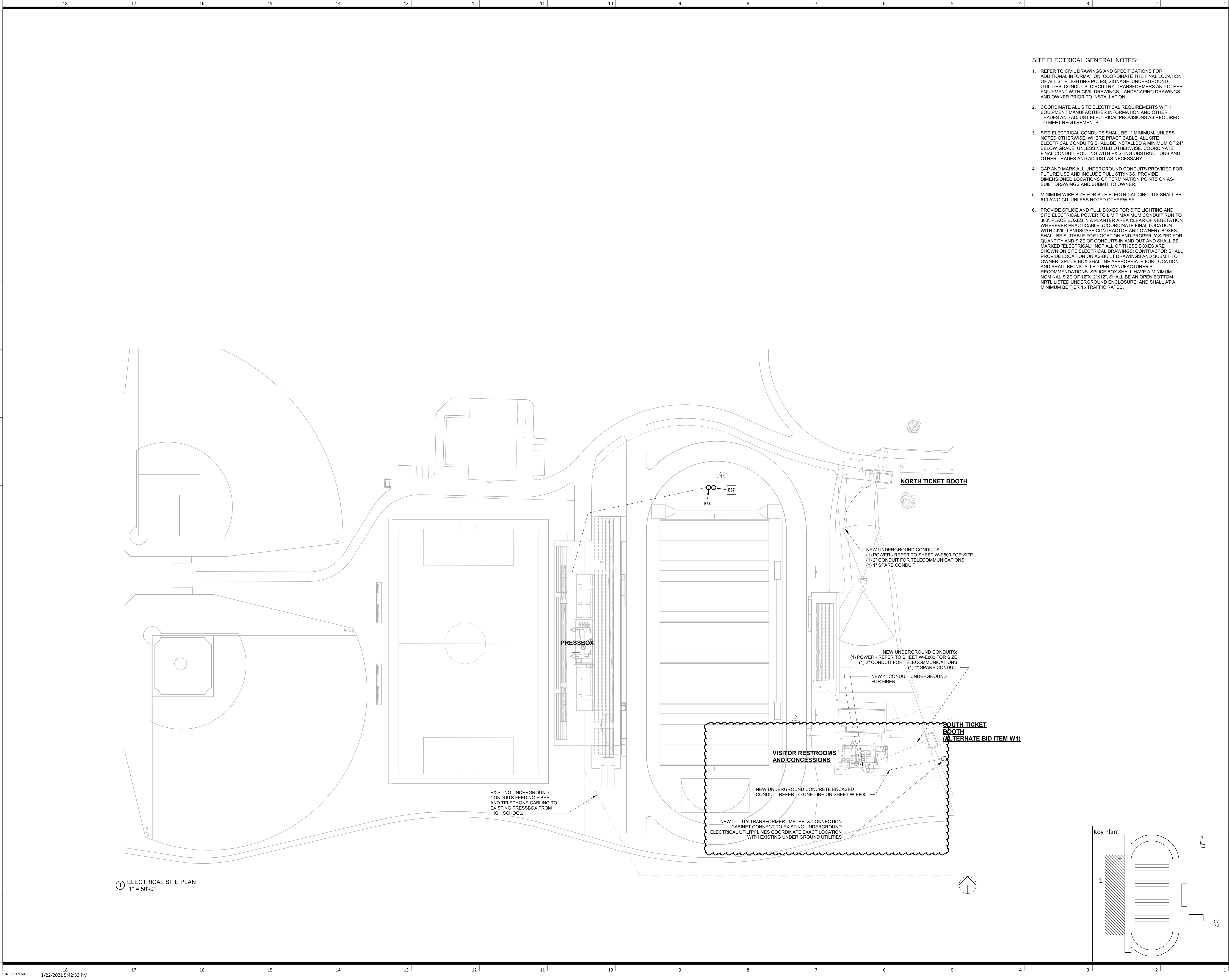
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1	Addendum 3	10.23.2020

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MECHANICAL SCHEDULES & CONTROLS

W-M600

BID SET



SITE ELECTRICAL GENERAL NOTES:

1. REFER TO CIVIL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. COORDINATE THE FINAL LOCATION OF ALL SITE LIGHTING POLES, SIGNAGE, UNDERGROUND UTILITIES, CONDUITS, CIRCUITRY, TRANSFORMERS AND OTHER EQUIPMENT WITH CIVIL DRAWINGS, LANDSCAPING DRAWINGS AND OWNER PRIOR TO INSTALLATION.
2. COORDINATE ALL SITE ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER INFORMATION AND OTHER TRADES AND ADJUST ELECTRICAL PROVISIONS AS REQUIRED TO MEET REQUIREMENTS.
3. SITE ELECTRICAL CONDUITS SHALL BE 1" MINIMUM, UNLESS NOTED OTHERWISE. WHERE PRACTICABLE, ALL SITE ELECTRICAL CONDUITS SHALL BE INSTALLED A MINIMUM OF 24" BELOW GRADE, UNLESS NOTED OTHERWISE. COORDINATE FINAL CONDUIT ROUTING WITH EXISTING OBSTRUCTIONS AND OTHER TRADES AND ADJUST AS NECESSARY.
4. CAP AND MARK ALL UNDERGROUND CONDUITS PROVIDED FOR FUTURE USE AND INCLUDE PULL STRINGS. PROVIDE DIMENSIONED LOCATIONS OF TERMINATION POINTS ON AS-BUILT DRAWINGS AND SUBMIT TO OWNER.
5. MINIMUM WIRE SIZE FOR SITE ELECTRICAL CIRCUITS SHALL BE #10 AWG CU, UNLESS NOTED OTHERWISE.
6. PROVIDE SPLICE AND PULL BOXES FOR SITE LIGHTING AND SITE ELECTRICAL POWER TO LIMIT MAXIMUM CONDUIT RUN TO 300'. PLACE BOXES IN A PLANTER AREA CLEAR OF VEGETATION WHEREVER PRACTICABLE; (COORDINATE FINAL LOCATION WITH CIVIL LANDSCAPE CONTRACTOR AND OWNER). BOXES SHALL BE SUITABLE FOR LOCATION AND PROPERLY SIZED FOR QUANTITY AND SIZE OF CONDUITS IN AND OUT AND SHALL BE MARKED "ELECTRICAL". NOT ALL OF THESE BOXES ARE SHOWN ON SITE ELECTRICAL DRAWINGS; CONTRACTOR SHALL PROVIDE LOCATION ON AS-BUILT DRAWINGS AND SUBMIT TO OWNER. SPLICE BOX SHALL BE APPROPRIATE FOR LOCATION AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. SPLICE BOX SHALL HAVE A MINIMUM NOMINAL SIZE OF 12"X12"X12". SHALL BE AN OPEN BOTTOM NRTL LISTED UNDERGROUND ENCLOSURE, AND SHALL AT A MINIMUM BE TIER 15 TRAFFIC RATED.

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EXPIRES 12/31/2021

REVISIONS

NUMBER	DESCRIPTION	DATE
4	REVISE	02.23.2021
1	Addendum 3	10.23.2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

ELECTRICAL SITE PLAN

W-E001

BID SET

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EXPIRES 12/31/2020



Nov 9 2020

REVISIONS

Number	DESCRIPTION	DATE
1	Addendum 3	10.23.2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

HOME PRESS BOX -
LIGHTING RCPS

W-E111

BID SET

ELECTRICAL GENERAL NOTES:

1. HSE FIXTURES ARE CONTROLLED BY INTEGRAL OCCUPANCY SENSOR AND EXISTING STAIRWELL LIGHTING CONTROLS.

ELECTRICAL LIGHTING LOAD NOTE:

LEVEL 2 LIGHTING CIRCUIT LOAD REMOVED: 1056VA
LEVEL 2 LIGHTING CIRCUIT LOAD ADDED: 576VA
OVERALL LIGHTING LOAD REDUCED.

ELECTRICAL PLAN NOTES:

- E10 MOUNT TAPE LIGHT TO THE FACE OF THE STRUCTURAL BEAM. MOUNT AS LOW ON BEAM AS POSSIBLE. FIXTURE INTENDED TO GRAZE THE ROOF. COORDINATE EXACT LOCATION WITH STRUCTURAL MEMBERS.
- E24 ROOF IS BEING REMOVED. CONTRACTOR TO PROTECT EXISTING ELECTRICAL PANELS TRANSFORMERS AND EQUIPMENT FROM CONSTRUCTION DEBRIS AND WEATHER DURING CONSTRUCTION. RE-WORK EXISTING CONDUITS AND CONDUCTORS FOR EQUIPMENT AS REQUIRED TO MAINTAIN EXISTING ELECTRICAL SYSTEM AND BRANCH CIRCUIT CONNECTIONS.
- E26 EXISTING LEVEL 2 LIGHT FIXTURES TO BE DEMOED AND CIRCUIT TO BE REUSED IN PROJECT SCOPE FOR NEW LIGHT FIXTURES.
- E28 CONNECT EXISTING STAIRWELL CIRCUIT AND LIGHTING CONTROLS TO NEW FIXTURES ON LEVEL ABOVE.
- E29 NEW LIGHTING LEVEL 2 TO BE INSTALLED IN DROP CEILING. COORDINATE EXACT FIXTURE LAYOUT WITH EXISTING CONDITIONS AND NEW DROP CEILING. CONNECT NEW LIGHT FIXTURES AND EXIT SIGNS TO EXISTING LEVEL 2 LIGHTING CIRCUIT. REWORK AND EXTEND EXISTING CONDUITS AND CONDUCTORS TO PROVIDE LIGHTING CONTROLS AS SHOWN
- E30 24V LED TAPE LIGHT TYPE L1 TO BE FED FROM NEMA-3R 0-10V DIMMING (1) AND (3) OUTPUT 277/24V 90W LED DRIVERS. REFER TO LIGHT FIXTURE SCHEDULE FOR DRIVER SPECIFICATIONS. COORDINATE PLACEMENT AND NUMBER OF DRIVERS WITH FIXTURE LENGTHS. INSTALL PER MANUFACTURER'S SPECIFICATIONS.

E34 FIXTURE TO LIGHT SIGNAGE GRAPHIC ON FACADE. COORDINATE EXACT MOUNTING LOCATION. EXACT MOUNTING HEIGHT AND INSTALLATION REQUIREMENTS WITH OWNER. SIGNAGE SHOP DRAWINGS. LIGHTING MANUFACTURER'S SPECIFICATIONS AND ARCHITECT/ARCHITECTURAL PLANS PRIOR TO BEGINNING ANY WORK. CONTROL VIA PHOTOCELL AND ASTRONOMICAL TIME CLOCK. TIMECLOCK TO BE LOCATED IN ELECTRICAL W1-204. COORDINATE PROGRAMMING WITH OWNER.

LIGHTING SUPPLEMENTAL SPECIFICATIONS:

1. REFER TO THE ARCHITECTURAL DRAWINGS FOR LIGHT FIXTURE LOCATIONS, MOUNTING HEIGHTS, TRACK LENGTHS AND ADDITIONAL MOUNTING INFORMATION. CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT COORDINATION AND CONFLICT ISSUES ARE RESOLVED PRIOR TO INSTALLATION OF LIGHT FIXTURES. CONTACT ARCHITECT/ENGINEER IMMEDIATELY IF THERE ARE DISCREPANCIES.
2. THROUGH WIRING OF RECESSED LIGHT FIXTURES, IN SUSPENDED CEILINGS, IS NOT PERMITTED. CONNECT EACH LIGHT FIXTURE BY A WHIP TO A JUNCTION BOX. PROVIDE CABLE WHIPS OF SUFFICIENT LENGTHS TO ALLOW FOR RELOCATING EACH LIGHT FIXTURE WITHIN A 5'-0" RADIUS OF ITS INDICATED LOCATION. CABLE WHIPS SHALL NOT EXCEED 6'-0" OF UNSUPPORTED LENGTHS.
3. ALL EMERGENCY LIGHTS AND EXIT SIGNS WITH INTEGRAL BATTERY BACK-UP SHALL BE CONNECTED TO A SEPARATE UNSWITCHED CONDUCTOR BYPASSING ALL OTHER CONTROLS AND CONTACTORS. UNLESS NOTED OTHERWISE, EXIT SIGNS SHALL NOT BE SWITCHED. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR PROPER INSTALLATION AND TESTING. ALLOW BATTERY TO CHARGE FOR A MINIMUM OF 48 HOURS BEFORE LIGHT LEVEL TESTING. IN ORDER TO PREVENT BATTERY DAMAGE, DO NOT TURN OFF POWER FOR EXTENDED PERIODS OF TIME AFTER EMERGENCY LIGHT HAS BEEN POWERED.
4. PROVIDE A NEUTRAL CONDUCTOR TO ALL WALL MOUNTED LINE VOLTAGE LIGHT SWITCHES, UNLESS NOTED OTHERWISE. IF NEUTRAL TERMINATION IS NOT REQUIRED FOR THE DEVICE THEN CAP CONDUCTOR AND TAG AS 'NEUTRAL FOR FUTURE USE'.
5. COORDINATE ALL OCCUPANCY/VACANCY SENSOR SETTINGS WITH OWNER AND ADJUST AS NECESSARY FOR PROPER OPERATION. SETTINGS MUST COMPLY WITH AHJ AND LOCAL ENERGY CODE REQUIREMENTS.
6. DO NOT INSTALL OCCUPANCY/VACANCY SENSORS WITHIN 48" OF AIR DIFFUSER OR SIMILAR OBSTRUCTION THAT MAY ADVERSELY AFFECT THE SENSOR PERFORMANCE. COORDINATE FINAL SENSOR LOCATIONS WITH OTHER TRADES AND INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

LIGHTING GENERAL NOTES:

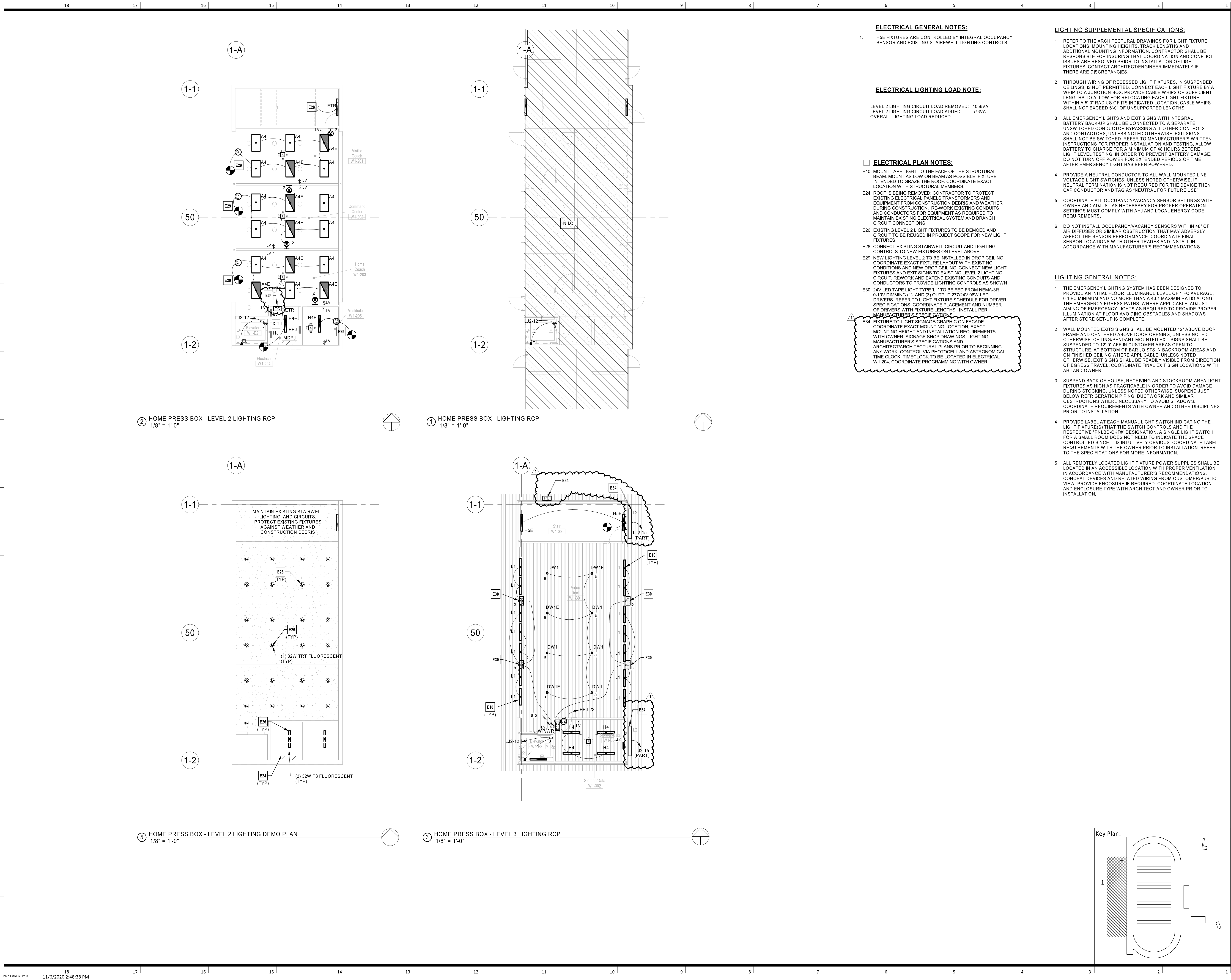
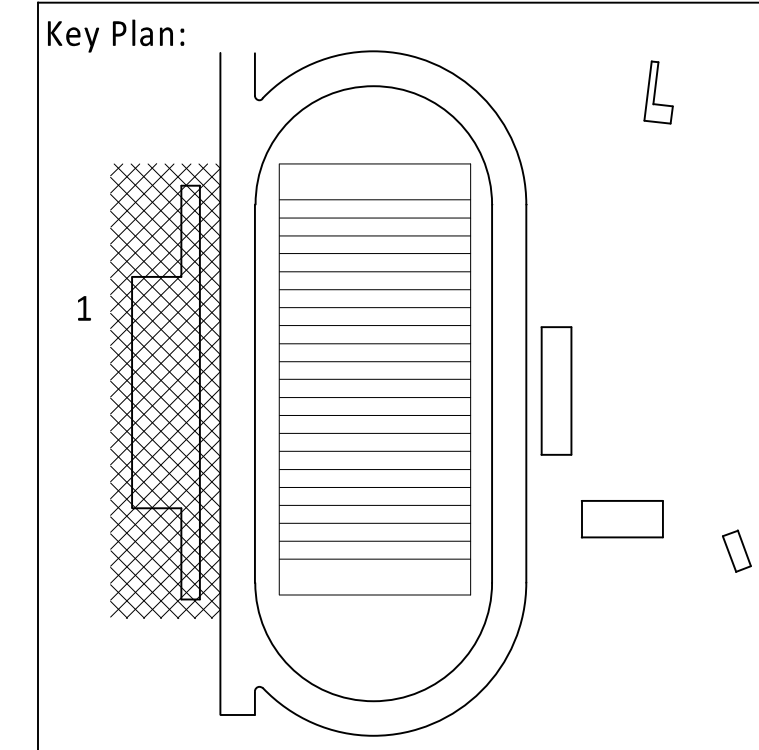
1. THE EMERGENCY LIGHTING SYSTEM HAS BEEN DESIGNED TO PROVIDE AN INITIAL FLOOR ILLUMINANCE LEVEL OF 1 FC AVERAGE, 0.1 FC MINIMUM AND NO MORE THAN A 40:1 MAX:MIN RATIO ALONG THE EMERGENCY EGRESS PATHS. WHERE APPLICABLE, ADJUST AIMING OF EMERGENCY LIGHTS AS REQUIRED TO PROVIDE PROPER ILLUMINATION AT FLOOR AVOIDING OBSTACLES AND SHADOWS AFTER STORE SET-UP IS COMPLETE.
2. WALL MOUNTED EXITS SIGNS SHALL BE MOUNTED 12" ABOVE DOOR FRAME AND CENTERED ABOVE DOOR OPENINGS. UNLESS NOTED OTHERWISE, CEILING/PENDANT MOUNTED EXIT SIGNS SHALL BE SUSPENDED TO 12'-0" AFF IN CUSTOMER AREAS OPEN TO STRUCTURE. AT BOTTOM OF BAR JOISTS IN BACKROOM AREAS AND ON FINISHED CEILING WHERE APPLICABLE. UNLESS NOTED OTHERWISE, EXIT SIGNS SHALL BE READILY VISIBLE FROM DIRECTION OF EGRESS TRAVEL. COORDINATE FINAL EXIT SIGN LOCATIONS WITH AHJ AND OWNER.
3. SUSPEND BACK OF HOUSE, RECEIVING AND STOCKROOM AREA LIGHT FIXTURES AS HIGH AS PRACTICABLE IN ORDER TO AVOID DAMAGE DURING STOCKING. UNLESS NOTED OTHERWISE, SUSPEND JUST BELOW REFRIGERATION PIPING, DUCTWORK AND SIMILAR OBSTRUCTIONS WHERE NECESSARY TO AVOID SHADOWS. COORDINATE REQUIREMENTS WITH OWNER AND OTHER DISCIPLINES PRIOR TO INSTALLATION.
4. PROVIDE LABEL AT EACH MANUAL LIGHT SWITCH INDICATING THE LIGHT FIXTURE(S) THAT THE SWITCH CONTROLS AND THE RESPECTIVE "INLUD-CKT" DESIGNATION. A SINGLE LIGHT SWITCH FOR A SMALL ROOM DOES NOT NEED TO INDICATE THE SPACE CONTROLLED SINCE IT IS INTUITIVELY OBVIOUS. COORDINATE LABEL REQUIREMENTS WITH THE OWNER PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION.
5. ALL REMOTELY LOCATED LIGHT FIXTURE POWER SUPPLIES SHALL BE LOCATED IN AN ACCESSIBLE LOCATION WITH PROPER VENTILATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONCEAL DEVICES AND RELATED WIRING FROM CUSTOMER/PUBLIC VIEW. PROVIDE ENCLOSURE IF REQUIRED. COORDINATE LOCATION AND ENCLOSURE TYPE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.

2 HOME PRESS BOX - LEVEL 2 LIGHTING RCP
1/8" = 1'-0"

1 HOME PRESS BOX - LIGHTING RCP
1/8" = 1'-0"

5 HOME PRESS BOX - LEVEL 2 LIGHTING DEMO PLAN
1/8" = 1'-0"

3 HOME PRESS BOX - LEVEL 3 LIGHTING RCP
1/8" = 1'-0"



③ HOME PRESS BOX - LEVEL 3 POWER PLAN
1/8" = 1'-0"

② HOME PRESS BOX - LEVEL 2 POWER PLAN
1/8" = 1'-0"

① HOME PRESS BOX - POWER PLAN
1/8" = 1'-0"

⑤ EQUIPMENT CONNECTION LEVEL 2 PLAN
1/8" = 1'-0"

④ HOME PRESS BOX - LEVEL 3 EQUIPMENT POWER PLAN
1/8" = 1'-0"

ELECTRICAL GENERAL NOTES:

REFER TO SHEET W-E500 FOR ELEVATOR AND ELECTRICAL EQUIPMENT PLANS.

ELECTRICAL PLAN NOTES:

- E23 ROOF IS BEING REMOVED. CONTRACTOR TO MAINTAIN EXISTING LEVEL 2 RECEPTACLE LOCATIONS AND CIRCUITING. REWORK EXISTING CONDUITS AND WIRING AS REQUIRED TO MAINTAIN EXISTING RECEPTACLE CIRCUITS.
- E24 ROOF IS BEING REMOVED. CONTRACTOR TO PROTECT EXISTING ELECTRICAL PANELS TRANSFORMERS AND EQUIPMENT FROM CONSTRUCTION DEBRIS AND WEATHER DURING CONSTRUCTION. RE-WORK EXISTING CONDUITS AND CONDUCTORS FOR EQUIPMENT AS REQUIRED TO MAINTAIN EXISTING ELECTRICAL SYSTEM AND BRANCH CIRCUIT CONNECTIONS.
- E25 VIDEO DECK RECEPTACLE TO BE SURFACE MOUNTED ON COLUMN. RECEPTACLE WILL NEED TO SHARE SPACE WITH DATA OUTLETS ON COLUMN. COORDINATE CONDUIT ROUTING, RECEPTACLE PLACEMENT AND INSTALLATION REQUIREMENTS WITH TECHNOLOGY PLANS, ARCHITECTURAL PLANS AND FIELD CONDITIONS.
- E27 MAINTAIN EXISTING CIRCUIT CONNECTIONS FOR EXISTING BASEBOARD HEATERS. REWORK EXISTING CONDUITS AND CONDUCTORS IF REQUIRED.
- E36 CU-1/FCL-1 EQUIPMENT CONTAINS A SINGLE POINT OF CONNECTION AT CU-1. PROVIDE CONDUIT FOR CONNECTION BETWEEN FCL-1 AND CU-1 FOR EQUIPMENT INTERCONNECTION SIZED PER EQUIPMENT MANUFACTURER'S SPECIFICATIONS.

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EXPIRES 12/31/2021

REVISIONS

NUMBER	DESCRIPTION	DATE
1	ADDENDUM 3	01.15.2021
2		10.23.2020

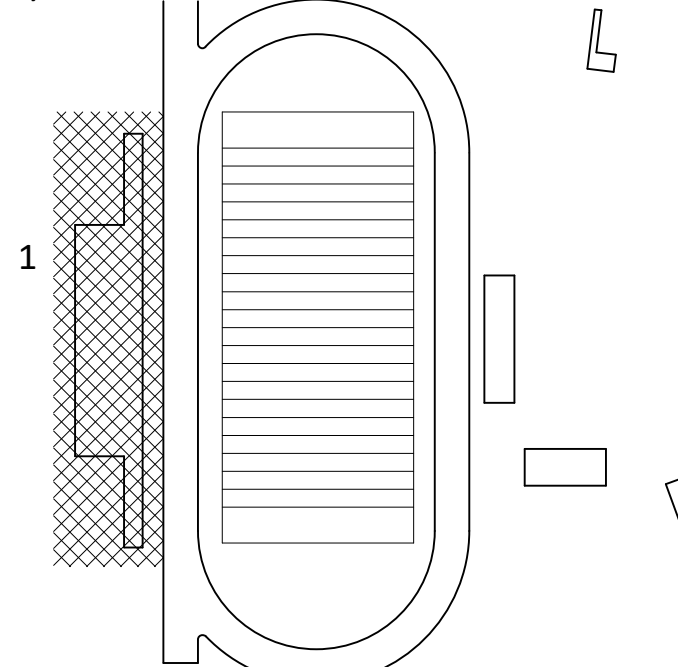
PROJECT NO: 0119-0101
DATE: September 28, 2020

HOME PRESS BOX -
POWER PLANS

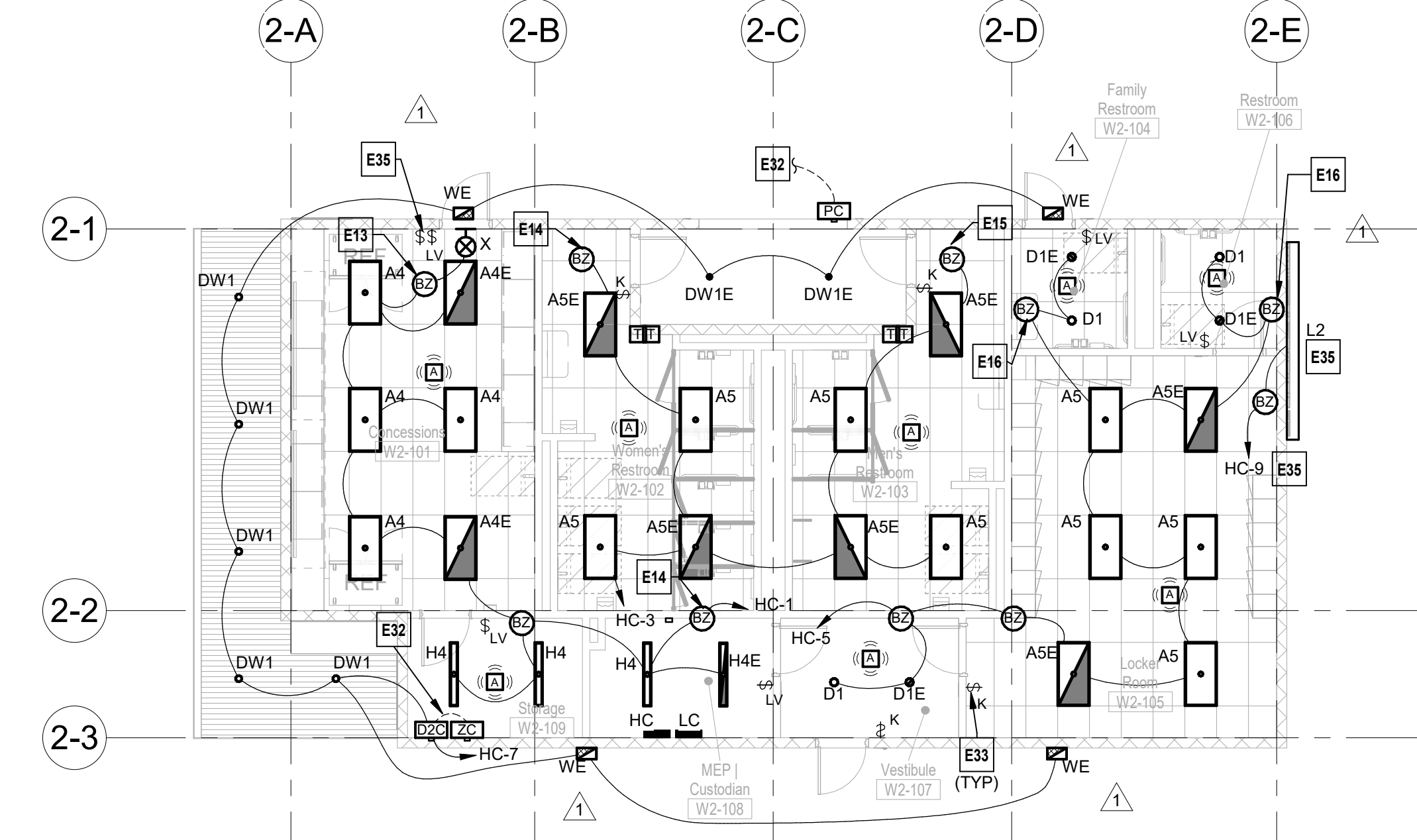
W-E112

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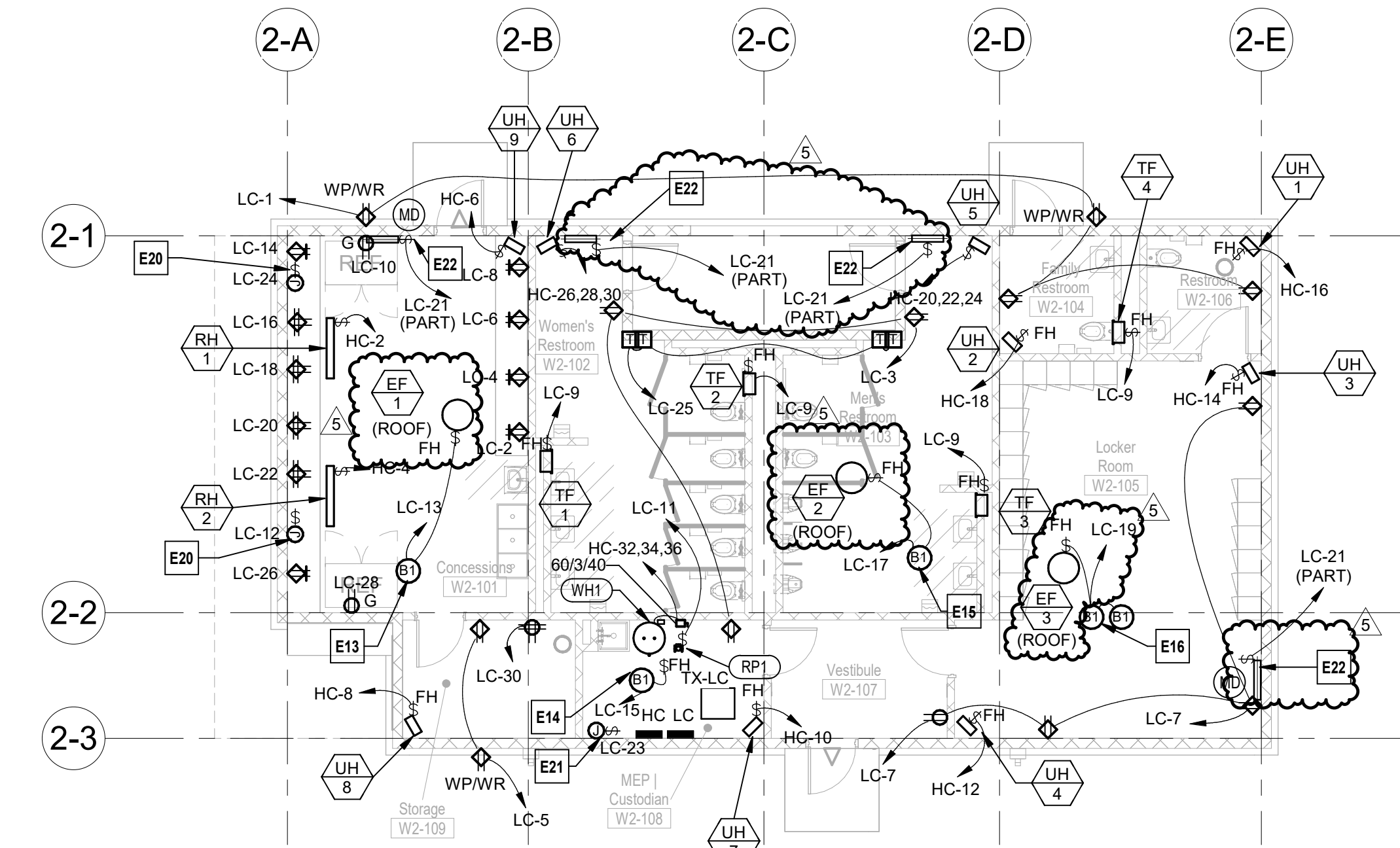
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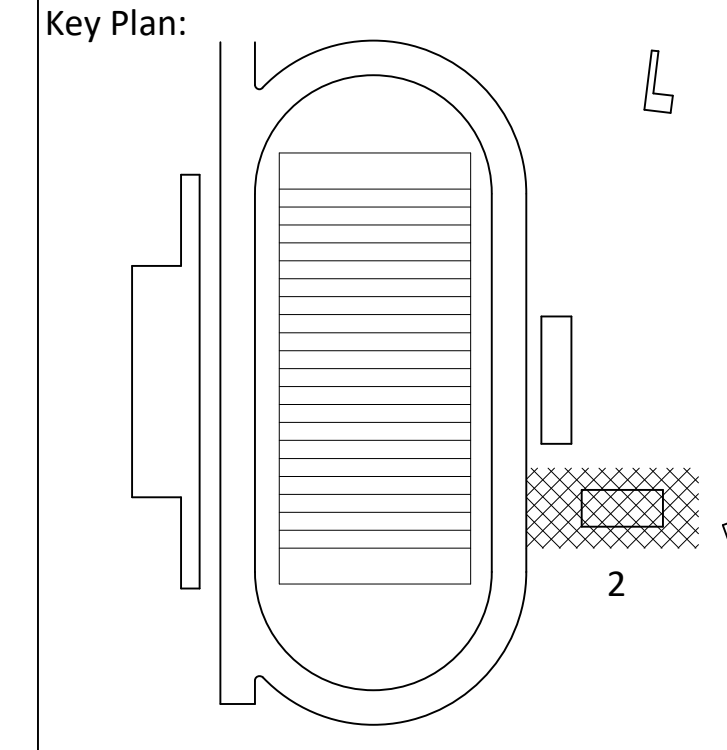
- ELECTRICAL PLAN NOTES:**
- E13 EXHAUST FAN EF-1 TO BE CONTROLLED VIA CONCESSIONS 2-101 ROOM OCCUPANCY SENSOR IN CONJUNCTION WITH ROOM LIGHTS. PROVIDE ADDITIONAL POWER PACK AND CONNECT TO LOW VOLTAGE LIGHTING CONTROL WIRING PER MANUFACTURER'S SPECIFICATIONS.
- E14 EXHAUST FAN EF-2 TO BE CONTROLLED VIA WOMEN'S RESTROOM 2-102 OCCUPANCY SENSOR IN CONJUNCTION WITH ROOM LIGHTS. PROVIDE ADDITIONAL POWER PACK AND CONNECT TO LOW VOLTAGE LIGHTING CONTROL WIRING PER MANUFACTURER'S SPECIFICATIONS.
- E15 EXHAUST FAN EF-3 TO BE CONTROLLED VIA MEN'S RESTROOM 2-103 ROOM OCCUPANCY SENSOR IN CONJUNCTION WITH ROOM LIGHTS. PROVIDE ADDITIONAL POWER PACK AND CONNECT TO LOW VOLTAGE LIGHTING CONTROL WIRING PER MANUFACTURER'S SPECIFICATIONS.
- E16 EXHAUST FAN EF-4 TO BE CONTROLLED VIA FAMILY RESTROOM 2-104 AND RESTROOM 2-105 OCCUPANCY SENSORS IN CONJUNCTION WITH ROOM LIGHTS. PROVIDE (2) ADDITIONAL POWER PACKS IN PARALLEL AND CONNECT TO LOW VOLTAGE LIGHTING CONTROL WIRING PER MANUFACTURER'S SPECIFICATIONS.
- E20 CONTRACTOR TO ROUGH-IN POWER AND CONTROLLER FOR CONCESSION STAND TICKETING WINDOW COILING DOORS. COORDINATE INSTALLATION REQUIREMENTS WITH EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
- E21 CONTRACTOR TO PROVIDE JUNCTION BOX AND 120V CONTROL POWER FOR HEATER DDC CONTROLS TRANSFORMER. COORDINATE EXACT LOCATION AND QUANTITY OF CONNECTIONS WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
- E22 CONTRACTOR TO PROVIDE JUNCTION BOX AND 120V CONTROL POWER FOR LOUVER MOTOR OPERATED DAMPERS. COORDINATE EXACT LOCATION AND QUANTITY OF CONNECTIONS WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
- E32 CONNECT LOW VOLTAGE WIRE TO ZONE CONTROLLER IN ROOM W2-109 TO PROVIDE PHOTO CELL AND TIME CLOCK CONTROL. REFER TO DETAIL 5 ON SHEET W-E700 FOR MORE INFORMATION.
- E33 PROVIDE KEYED SWITCH ON LOAD SIDE OF POWER PACK. CONCESSION STAND ILLUMINATED SIGN. COORDINATE EXACT MOUNTING LOCATION, EXACT MOUNTING HEIGHT AND INSTALLATION REQUIREMENTS WITH OWNER. SIGNAGE SHOP DRAWINGS, LIGHTING MANUFACTURER'S SPECIFICATIONS AND ARCHITECT/ARCHITECTURAL PLANS PRIOR TO BEGINNING ANY WORK. CONTROL SIGN VIA SLAVE POWER PACK AND LOW VOLTAGE AND CONCESSIONS ROOM W2-101 OCCUPANCY SENSORS. PROVIDE LINE VOLTAGE SWITCH AFTER POWER PACK IN SERIES WITH ILLUMINATED SIGN TO ACT AS A MASTER OVERRIDE SWITCH.



1 VISITOR RESTROOMS/CONCESSIONS - LIGHTING RCP
1/8" = 1'-0"



2 VISITOR RESTROOMS/CONCESSIONS - POWER PLAN
1/8" = 1'-0"



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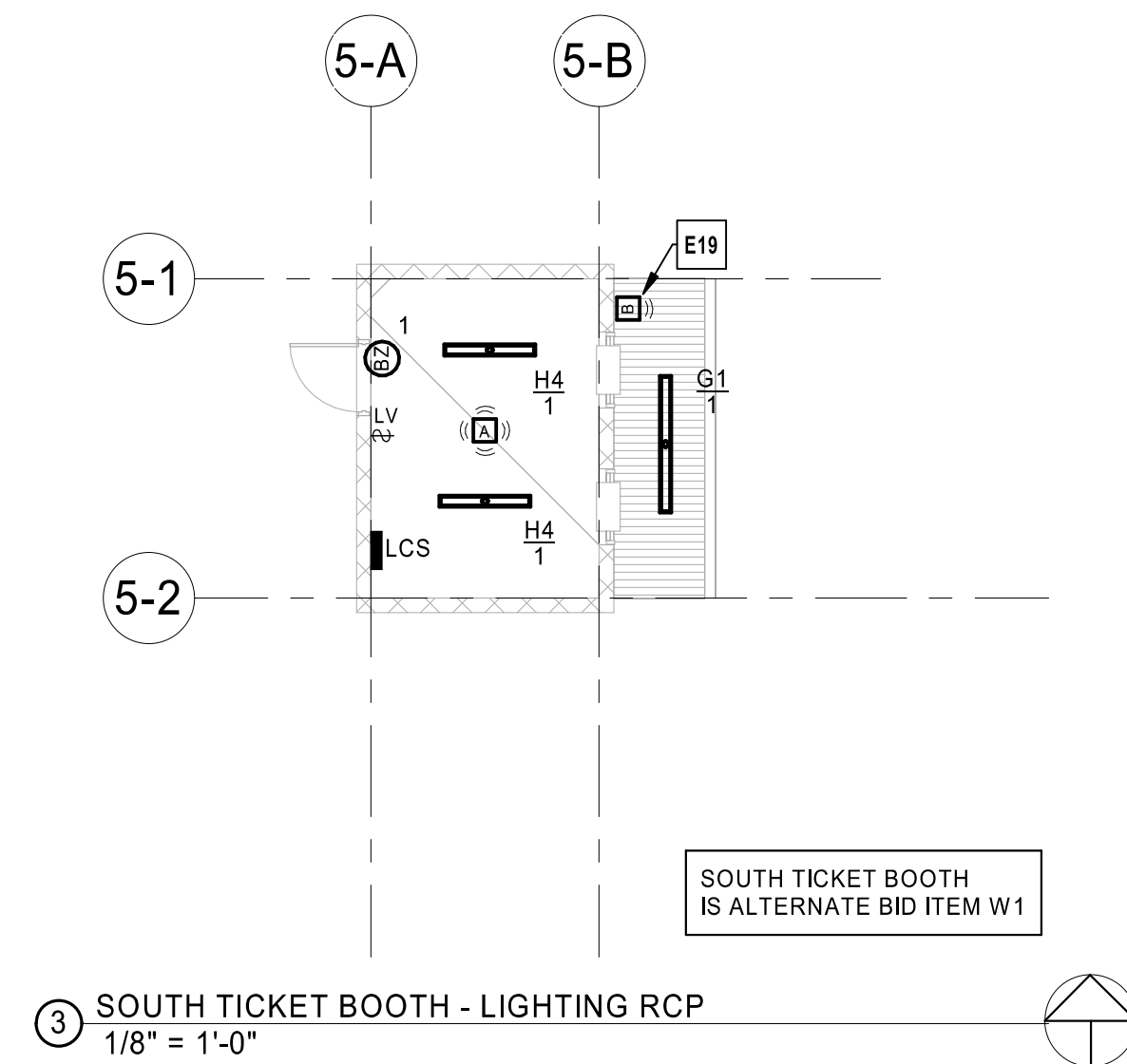
REVISIONS		
NUMBER	DESCRIPTION	DATE
5	PR 11	02.29.2021
1	Addendum 3	10.23.2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

VISITOR RESTROOMS
& CONCESSIONS -
ELECTRICAL PLANS

W-E121

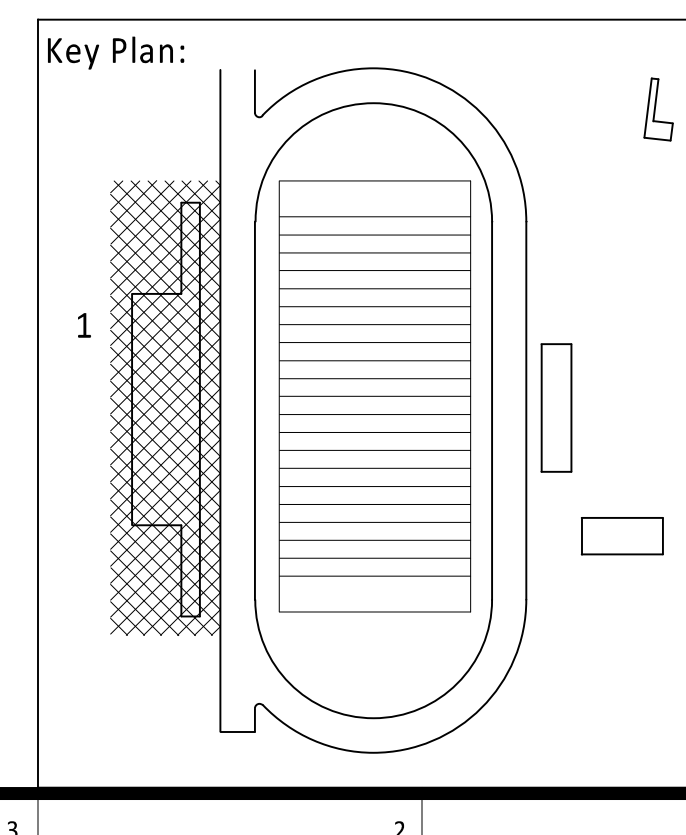
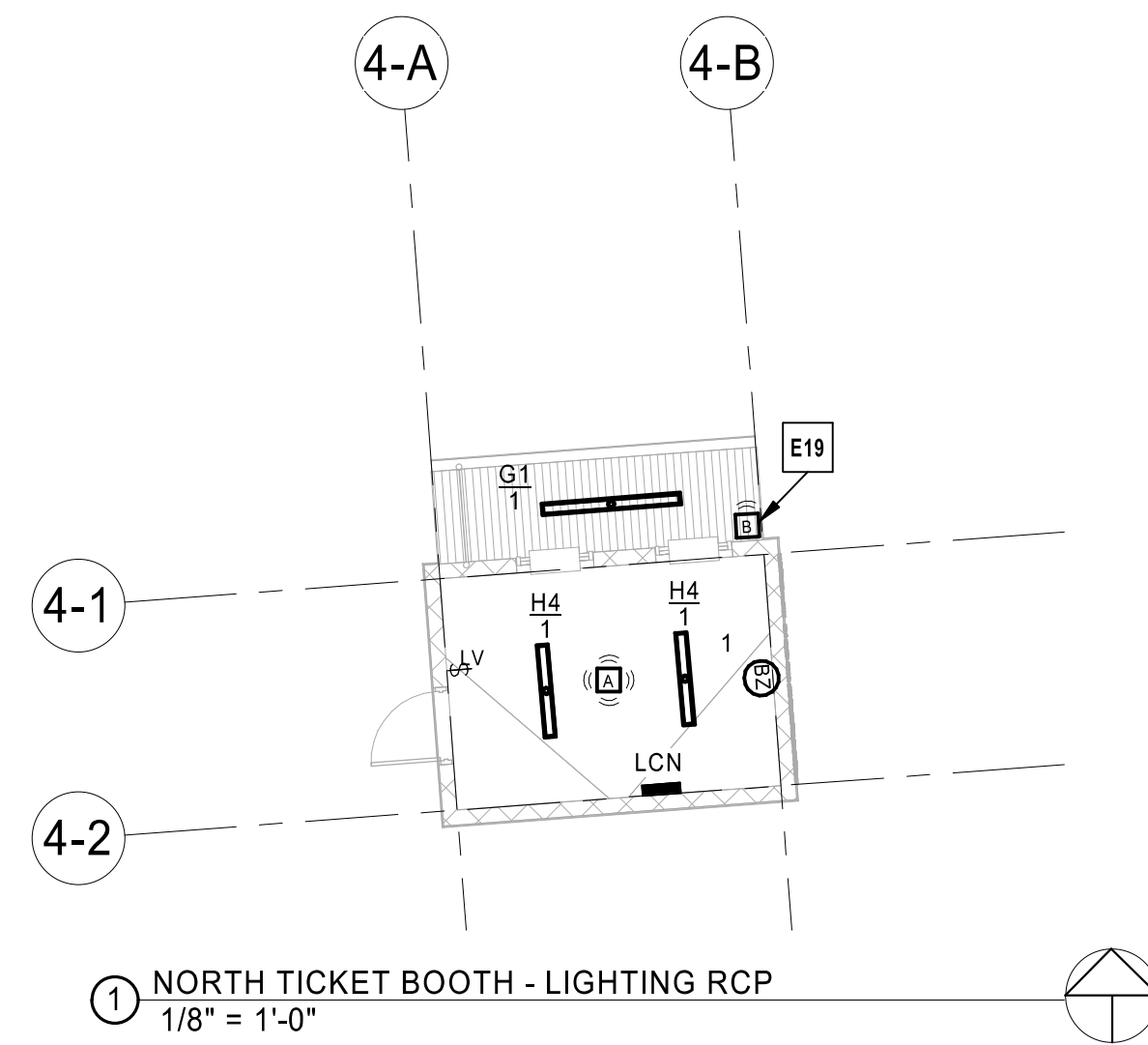
BID SET



1. LIGHTING IS TO BE CIRCUITED BACK TO 208/120V PANEL LOCATED IN THE SAME BUILDING THE LIGHTING IS LOCATED IN UNLESS OTHERWISE NOTED. CIRCUIT AS NOTED IN FIXTURE TAG.
2. ALL WIRING DEVICES ARE CIRCUITED TO 208/120V PANEL IN SAME BUILDING. CIRCUIT AS NOTED BY NUMBER ADJACENT TO DEVICE.
3. LIGHTING CONTROL DEVICES SHALL CONTROL ALL LIGHTING ASSOCIATED WITH THE TICKET BOOTH. REFER TO DETAIL 2 ON SHEET W-E700 FOR MORE INFORMATION.

E18 CONTRACTOR TO PROVIDE 70AB SERIES HEAVY DUTY TIMER AND LINE VOLTAGE CONTROLS WIRING FOR MANUAL CONTROL OF UNIT HEATER. COORDINATE REQUIRED TIME LENGTH WITH OWNER.

E19 PROVIDE WATTSTOPPER CB-100 LOW TEMPERATURE OCCUPANCY SENSOR OR EQUIVALENT.



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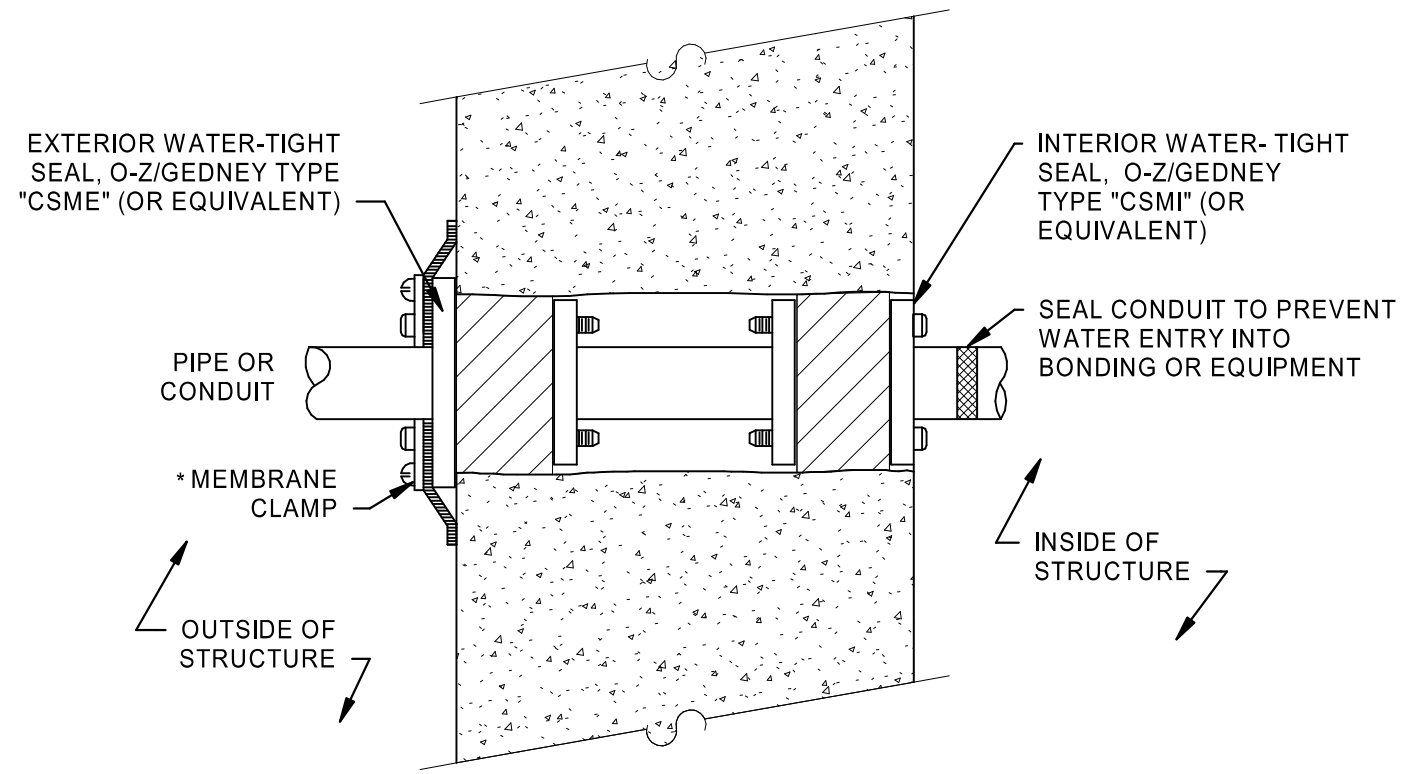
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ELECTRICAL DETAILS

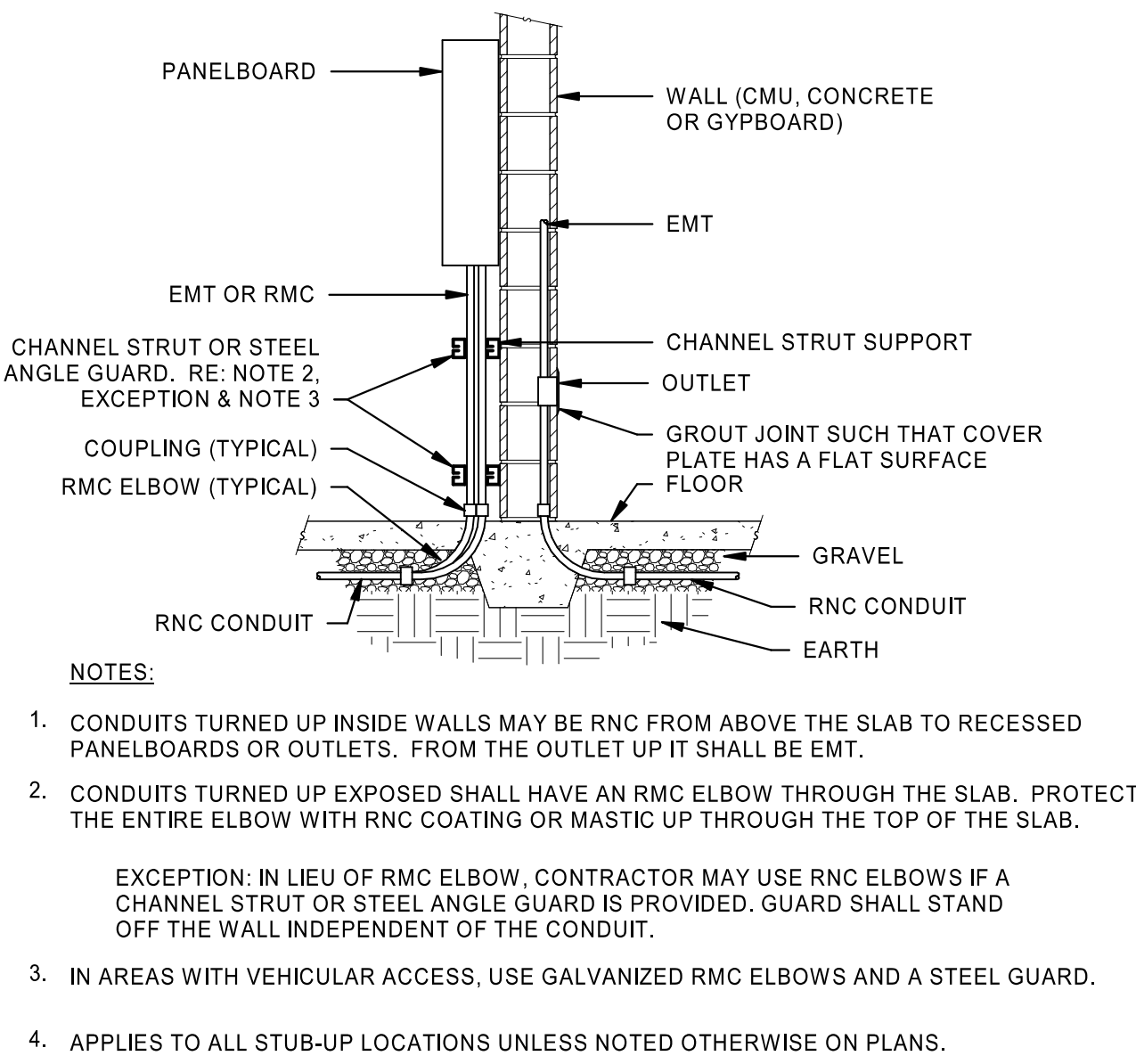
W-E500

BID SET

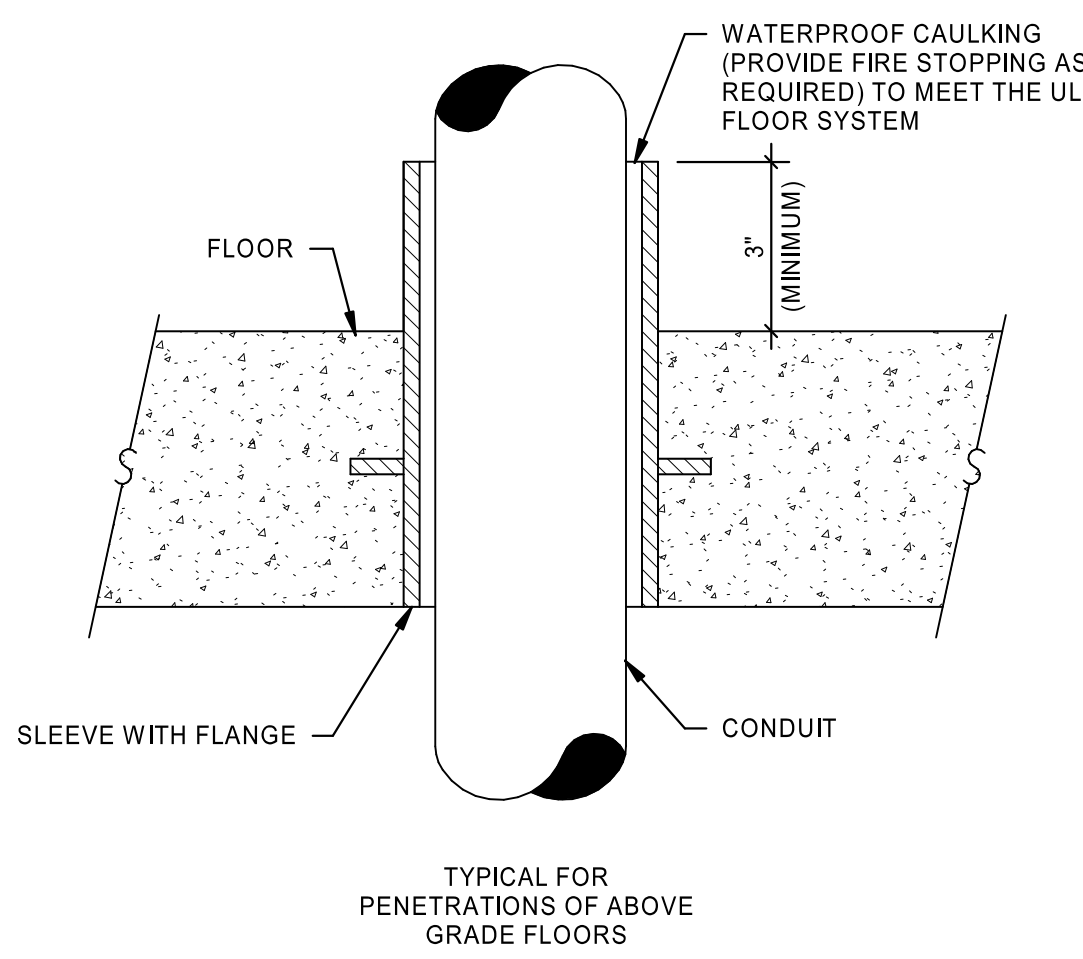
5 CONDUIT THROUGH EXISTING EXTERIOR WALL
NTS



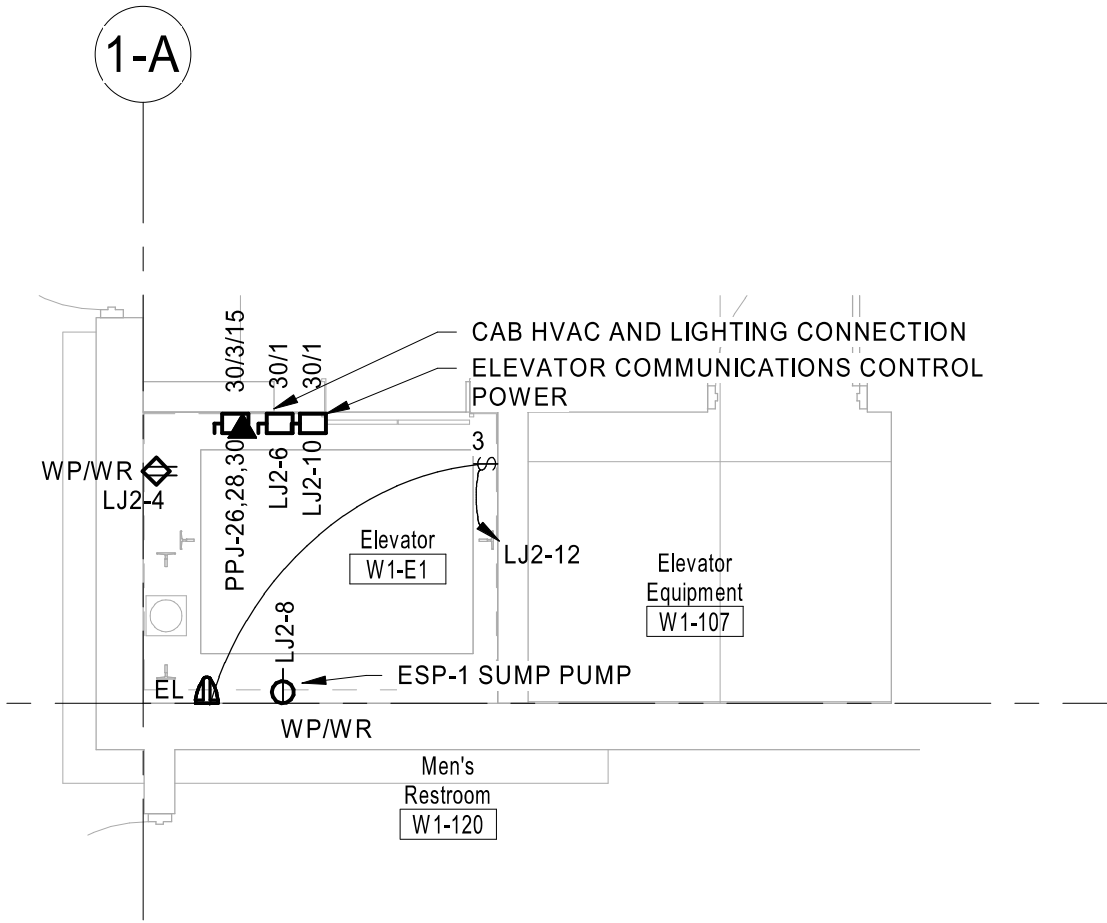
4 CONDUIT STUB-UP AT WALLS
NTS



3 CONDUIT PENETRATION OF CONCRETE FLOOR
NTS





1 ELEVATOR - BOTTOM OF SHAFT
1/4" = 1'-0"




LIGHTING CONTROL DEVICE SCHEDULE

STAND-ALONE LOW-VOLTAGE LIGHTING CONTROL SYSTEMS




STAND-ALONE LOW-VOLTAGE OCCUPANCY SENSORS

SYMBOL TAG	MANUFACTURER MODEL/SERIES	ALTERNATE MANUFACTURER	DEVICE DESCRIPTION	COVERAGE (W X D)	VOLTAGE	NOTES
	LEGRAND DT-300	ACUTY, COOPER HUBBELL, LEVITON	CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR, 360 DEGREE COVERAGE, LOW VOLTAGE, ISOLATED RELAY.	PIR MAJOR 36' Ø PIR MINOR 25' Ø ULT 36' x 36'	24	
	LEGRAND CB-100	ACUTY, COOPER HUBBELL	CEILING/WALL MOUNT PASSIVE INFRARED OCCUPANCY SENSOR, 90 DEGREE COVERAGE, LOW VOLTAGE, GASKETED AND WATERTIGHT, RATED FOR -40 DEGREES FAHRENHEIT.	MAJOR 50' Ø MINOR 25' Ø	24	



STAND-ALONE LOW-VOLTAGE PHOTOELECTRIC SWITCHES

SYMBOL TAG	MANUFACTURER MODEL/SERIES	ALTERNATE MANUFACTURER	DEVICE DESCRIPTION	VOLTAGE	NOTES
	LEGRAND EM-24D2	ACUTY HUBBELL, LEVITON	EXTERIOR LOW-VOLTAGE PHOTOELECTRIC SWITCH, FACE SENSOR NORTH AND ORIENT VERTICALLY, 0-15 FC.	24	


STAND-ALONE LOW-VOLTAGE POWER PACKS

SYMBOL TAG	MANUFACTURER MODEL/SERIES	ALTERNATE MANUFACTURER	DEVICE DESCRIPTION	VOLTAGE	NOTES
	LEGRAND BZ-250	ACUTY, COOPER HUBBELL, LEVITON	POWER PACK FOR LOW VOLTAGE OCCUPANCY SENSORS, 20A LOAD, (1) RELAY, MANUAL- AND AUTO-ON MODES, HOLD-ON AND -OFF INPUTS, LOAD: 16A AT 120V OR 277V, OUTPUT: 225mA AT 24V, PLENUM RATED.	120/ 277	
	LEGRAND C SERIES	ACUTY, COOPER HUBBELL, LEVITON	POWER PACK FOR LOW VOLTAGE OCCUPANCY SENSORS, 20A LOAD, (2) RELAYS, MANUAL- AND AUTO-ON MODES, HOLD-ON AND -OFF INPUTS, LOAD: 16A AT 120V OR 277V, OUTPUT: 225mA AT 24V, PLENUM RATED, CONTRACTOR TO PROVIDE CORRECT VOLTAGE FOR APPLICATION.	120/ 277	
	LEGRAND LMCRC-212	ACUTY, COOPER HUBBELL, LEVITON	ROOM CONTROLLER FOR LOW VOLTAGE OCCUPANCY SENSORS, 20A LOAD, (2) RELAY, MANUAL AND AUTO-ON MODES, HOLD-ON AND -OFF INPUTS, LOAD: 16A AT 120V OR 277V, OUTPUT: 225mA AT 24V, PLENUM RATED, 0-10V DIMMING CONTROL.	120/ 277	

STAND-ALONE LOW-VOLTAGE SWITCHES

SYMBOL TAG	MANUFACTURER MODEL/SERIES	ALTERNATE MANUFACTURER	DEVICE DESCRIPTION	VOLTAGE	NOTES
	LEGRAND OCC2	ACUTY, COOPER HUBBELL, LEVITON	MOMENTARY 1-BUTTON DECORATOR SWITCH FOR MANUAL ON/OFF CONTROL OF STAND-ALONE LOW-VOLTAGE OCCUPANCY SENSORS, INTEGRAL LED ILLUMINATES WHEN LOAD IS ON.	24	
	LEGRAND LMSW-104	ACUTY, COOPER HUBBELL, LEVITON	4-BUTTON LOW VOLTAGE SWITCH FOR ON/OFF AND DIMMING CONTROL OF 2 RELAYS.	24	

AUXILIARY NETWORK LIGHTING EQUIPMENT

SYMBOL TAG	MANUFACTURER MODEL/SERIES	ALTERNATE MANUFACTURER	DEVICE DESCRIPTION	VOLTAGE	NOTES
	LEGRAND LMCZ-301	ACUTY, CRESTRON ETC, HUBBELL	ZONE CONTROLLER, ASTRONOMIC TIMECLOCK, 99 LIGHTING GROUPS, BACNET MS/TP COMPATIBLE, (2) RJ45 PORTS, SURFACE MOUNTED, PROVIDE DLM 24V POWER BOOSTERS AS REQUIRED PER SYSTEM DESIGN.	120/ 277	

GENERAL NOTES:

- A. OCCUPANCY SENSOR LAYOUT DESIGNED FROM BASIS-OF-DESIGN COVERAGE PATTERNS. IF SUBMITTING ALTERNATE PER "EQUIVALENT MANUFACTURER" COLUMN, ADJUST SENSOR QUANTITIES AND LOCATIONS PER MANUFACTURER-SPECIFIC SPACING CRITERIA.
- B. PROVIDE SHOP DRAWINGS FOR ENGINEER AND ARCHITECT REVIEW THAT INCLUDE PRODUCT CUTSHEETS AND PROJECT-SPECIFIC LAYOUTS, LAYOUTS MUST INCLUDE SENSOR LOCATIONS, HEIGHTS, ORIENTATION AND COVERAGE AREAS, SHOW COORDINATION WITH ALL OTHER CEILING DEVICES INCLUDING BUT NOT LIMITED TO HVAC SUPPLY AND RETURN GRILLES, SPRINKLERS, LIGHT FIXTURES, AND OTHER OWNER-PROVIDED CEILING MOUNTED DEVICES SUCH AS SPEAKERS, SECURITY CAMERAS, PROJECTORS, ETC. (SENSORS MAY BE ADVERSELY AFFECTED IF LOCATED TOO CLOSE TO OTHER CEILING MOUNTED DEVICES). ALSO PROVIDE SCHEMATICS AND SCHEDULES WHEN APPLICABLE.
- C. LIGHTING CONTROLS PRICING SHALL BE COMPLETELY SEPARATE OF ANY LIGHT FIXTURE PRICING.
- D. VERIFY COLORS FOR ALL WALL AND CEILING MOUNTED DEVICES WITH THE ARCHITECT.
- E. ALL WALL SWITCH AND CEILING SENSORS SHALL HAVE AN ADJUSTABLE TIME DELAY RANGE OF 0-30 MIN. UNO, CONFIRM SENSOR SETTINGS WITH SEQUENCE OF OPERATIONS AND OWNER PRIOR TO SYSTEM COMMISSIONING.
- F. PROVIDE COPIES OF OPERATION AND MAINTENANCE INSTRUCTIONS FOR ALL DEVICES TO OWNER.
- G. PROVIDE A NEUTRAL CONDUCTOR TO ALL WALL SWITCH LOCATIONS PER NEC REQUIREMENTS.
- H. DO NOT SHARE NEUTRAL CONDUCTOR ON LOAD SIDE OF DIMMERS.

VERSION 4.02

LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	MODEL	LAMPING / LIGHT SOURCE	DIMMING TYPE	VOLTAGE	INPUT WATTS	INPUT VA	DESCRIPTION	NOTES
A4	HE WILLIAMS	50-"CEILING"-2-4-L33-80-35-AF12125-D-M-UNV	COLUMBIA LIGHTING LLT24 SERIES LITHONIA LIGHTING GTL SERIES	LED 3500K 80CRI	0-10V UNV	25	28	2x4" RECESSED LED TROFFER, 3300 LUMEN, 3500K.	
A4E	HE WILLIAMS	50-"CEILING"-2-4-L33-80-35-AF12125-D-10W-DIM-M-UNV	COLUMBIA LIGHTING LLT24 SERIES LITHONIA LIGHTING GTL SERIES	LED 3500K 80CRI	0-10V UNV	25	28	SAME AS A4 WITH INTEGRAL 10W BATTERY BACK UP TO OPERATE FOR A MINIMUM OF 90 MINUTES.	
A5	HE WILLIAMS	50-G-2-4-L33-80-35-AF12125-DIM-UNV	COLUMBIA LIGHTING LLT24 SERIES LITHONIA LIGHTING GTL SERIES	LED 3500K 80CRI	0-10V UNV	48	54	2x4" RECESSED LED TROFFER, 5900 LUMEN, 3500K.	
A5E	HE WILLIAMS	50-G-2-4-L33-80-35-AF12125-EM10W-D-M-UNV	COLUMBIA LIGHTING LLT24 SERIES LITHONIA LIGHTING GTL SERIES	LED 3500K 80CRI	0-10V UNV	48	54	SAME AS A5 WITH INTEGRAL 10W BATTERY BACK UP TO OPERATE FOR A MINIMUM OF 90 MINUTES.	
D1	COOPER LIGHTING	LDS4B-20-D010-EU4B-102035-4LBCS-1-L16-C	CALIBER COMMERCIAL 45FK45PLX2 SERIES 40THAM EVO SERIES ACUTY BRANDS INDY LLP4LLPRM SERIES	LED 3500K 80CRI	0-10V UNV	21	23	4" RECESSED DOWNLIGHT, 2000 LUMEN OUTPUT, WET LOCATION LISTED.	
D1E	COOPER LIGHTING	LDS4B-20-D010-EU4B-102035-4LBCS-1-L16-C	CALIBER COMMERCIAL 45FK45PLX2 SERIES 40THAM EVO SERIES ACUTY BRANDS INDY LLP4LLPRM SERIES	LED 3500K 80CRI	0-10V UNV	21	23	SAME AS D1 WITH INTEGRAL 7W BATTERY BACK UP, TO OPERATE A MINIMUM OF 90 MINUTES.	
DW1	COOPER LIGHTING	LSR2B-15-WFL55-80-35-D010-CANOPY-L16-C	HUBBELL LIGHTING PRESCOLITE LTC-3RDW 40THAM 4" INCH TO SERIES LITHONIA LIGHTING LDM4CYL SERIES	LED 3500K 80CRI	0-10V UNV	26	29	4.5" SURFACE MOUNTED WET LOCATION LISTED DOWNLIGHT, 1500 LUMEN, 3500K, 54" BEAM.	
DW1E	COOPER LIGHTING	LSR2B-15-WFL55-80-35-D010-CANOPY-L16-C	HUBBELL LIGHTING PRESCOLITE LTC-3RDW 40THAM 4" INCH TO SERIES LITHONIA LIGHTING LDM4CYL SERIES	LED 3500K 80CRI	0-10V UNV	26	29	SAME AS DW1 WITH REMOTE EMERGENCY DRIVER TO OPERATE A MINIMUM OF 90 MINUTES	
EL	HE WILLIAMS	96-4-L62-80-35-HAIFR-EM10W-WET1-D-RV-UNV	COLUMBIA LIGHTING LXEM LITHONIA LIGHTING FEM LED SERIES	LED 4000K 80CRI	0-10V UNV	45	50	4' LINEAR, WET LOCATION LISTED, 6200 LUMEN, 4000K	
F1E	HE WILLIAMS	75R SERIES	COLUMBIA LIGHTING LXEM LITHONIA LIGHTING FEM LED SERIES	LED 3500K 80CRI	0-10V UNV	32	36	SAME AS H4 WITH INTEGRAL OCCUPANCY SENSOR AND 10W BATTERY BACK UP TO OPERATE A MINIMUM OF 90 MINUTES.	
G1	LUMENWERX	VIWVETASY5-PLYC-HQ-LED-0-500-35-UNV-D1-1-GSM-TF-"COLOR"	LITECONTROL MOD 4 PENDANT LED 4LP-D SERIES AXIS LIGHTING - WET BEAM 4 LED SURFACE SERIES	LED 3500K 80CRI	0-10V UNV	30	33	4" VANDAL RESISTANT VAPORTITE LED, 5000 LUMEN, 3500K, GENERAL DISTRIBUTION.	
H4	HE WILLIAMS	75L-4-L50-8-35-AF12125-DIM-UNV	COLUMBIA LIGHTING MPS SERIES LITHONIA LIGHTING ZL1D SERIES	LED 3500K 80CRI	0-10V UNV	32	36	4' LINEAR SUSPENDED/WALL MOUNTED FIXTURE, 5000 LUMEN, 3500K.	
H4E	HE WILLIAMS	75L-4-L50-8-35-AF12125-EM10WLP-DIM-UNV	COLUMBIA LIGHTING MPS SERIES LITHONIA LIGHTING ZL1D SERIES	LED 3500K 80CRI	0-10V UNV	32	36	SAME AS H4 WITH INTEGRAL 10 W BATTERY BACK UP TO OPERATE A MINIMUM OF 90 MINUTES.	
H5E	HE WILLIAMS	75L-4-L50-8-35-AF12125-EM10WLP-DIM-UNV	COLUMBIA LIGHTING MPS SERIES LITHONIA LIGHTING ZL1D SERIES	LED 3500K 80CRI	0-10V UNV	0	0	SAME AS H4E WITH INTEGRAL OCCUPANCY SENSOR AND BATTERY BACK UP TO OPERATE A MINIMUM OF 90 MINUTES.	
L1	LUMINII	VWP-4-L60-7-30-TFT-FINISH-SDGL-DIM-UNV	GENLED ACOLYTE RIBBONLYTE 6.0 CALI LED 8000 SERIES QTRAN SW245J.0 SERIES	LED 3500K 80CRI	0-10V UNV	9	10	WET LOCATION RATED 24V LED TAPE LIGHT WITH REMOTE DAMP LOCATION RATED 90WATT, 277 - 24V LED DRIVER, NARROW DISTRIBUTION, 3500K, 706 LUMEN/FT, 9 W/FT. PROVIDE CHANNEL AND ADDITIONAL WET LOCATION RATED FITTINGS FOR A FULLY FUNCTIONING TAPE LIGHTING SYSTEM.	
L2	LUMENPULSE	LOGASHRAE-277-46-35K-WWRF-UMAS-DIM-ETC	KIM LIGHTING INT SERIES	LED 3500K 80CRI	0-10V UNV			WET LOCATION RATED LINEAR GRADING FACADE FIXTURE WITH ASYMMETRICAL DISTRIBUTION AND ADJUSTABLE STANDOFF ARM MOUNT, 5W/FT, PROVIDE END-TO-END CONTINUOUS MOUNTING TO MATCH LENGTH OF SIGN.	
WE	COPPER LIGHTING	IST-AF-600-LED-E1-T4FT-XX-8030-CBP	ELCAST LIGHTING 1495 SERIES LITHONIA LIGHTING WDGE2 LED SERIES FC LIGHTING FC1030 SERIES	LED 3000K 80CRI	0-10V UNV	33	36	EXTERIOR WALL PACK WITH FIXTURE WITH 90 MINUTE BATTERY BACK-UP	
X	HE WILLIAMS	EXIT CA SERIES	DUAL-LITE LE SERIES LITHONIA LE SERIES ISOLITE RL SERIES LITHONIA LE SERIES HE WILLIAMS EXIT SERIES	LED	UNV	5	5	UNIVERSAL MOUNT EXIT SIGN	

LIGHT FIXTURE SCHEDULE GENERAL NOTES:

- ALL LIGHT FIXTURES AND RELATED COMPONENTS SHALL BE PROVIDED BY THE CONTRACTOR, UNLESS NOTED OTHERWISE.
- ALL LIGHT FIXTURES AND RELATED COMPONENTS SHALL BE PROVIDED BY THE CONTRACTOR AS PART OF THE BASE BID, UNLESS NOTED OTHERWISE.
- THE PARTY SUPPLYING THE LIGHT FIXTURES IS RESPONSIBLE FOR SUPPLYING THE PROPER QUANTITY OF LIGHT FIXTURES.

LIGHT FIXTURE SCHEDULE SUPPLEMENTAL SPECIFICATIONS:

- ANY PROPRIETARY, SOLE-SOURCED LIGHT FIXTURE LISTED IN THE LIGHT FIXTURE SCHEDULE SHALL BE UNIT PRICED ONLY. NO PACKAGING OR LOT PRICING OF THESE LIGHT FIXTURES SHALL BE ALLOWED. UNIT PRICES SHALL BE CLEARLY IDENTIFIED ON THE BID FORM.
- PACKAGING OF LIGHT FIXTURES WILL NOT BE CONSIDERED OR APPROVED. REPRESENTATIVE AGENTS SHALL BE ALLOWED TO OFFER MIN/LOT PRICING (MLP) FOR LIGHT FIXTURES AS ALLOWED IN ELECTRICAL SPECIFICATIONS.
- LIGHTING CONTROLS PRICING, INCLUDING BUT NOT LIMITED TO THOSE REFERENCED IN ELECTRICAL SPECIFICATIONS, SHALL BE COMPLETELY SEPARATE OF ANY LIGHT FIXTURE PRICING. ANY LIGHTING CONTROLS PRICING THAT IS SUBMITTED WITH LIGHT FIXTURE PRICING (UNIT OR MIN/LOT) WILL BE IMMEDIATELY REJECTED IN ITS ENTIRETY.
- CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBERS ONLY. FIRST READ THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS IN CONJUNCTION WITH THE CATALOG NUMBER TO DETERMINE THE MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.
- FOR SUBSTITUTIONS: PROVIDE PHOTOMETRIC CALCULATIONS AND OTHER NECESSARY INFORMATION FOR ENGINEER REVIEW. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
- COORDINATE LIGHT FIXTURE MOUNTING HARDWARE AND TRIMS NEEDED TO SUIT CEILING CONDITIONS. LIGHT FIXTURES NEAR OR IN CONTACT WITH INSULATION SHALL COMPLY WITH CODE. MAINTAIN 3" MINIMUM CLEARANCE BETWEEN NON-AC RATED LIGHT FIXTURE HOUSINGS AND INSULATION ON ALL ADJACENT DUCTWORK, PIPING, WALLS, AND CEILINGS.
- STRIP LIGHT FIXTURES SUBJECT TO DAMAGE, INCLUDING THOSE MOUNTED ON EQUIPMENT MEZZANINES, STORAGE, RECEIVING AND STOCKROOM AREAS, SHALL BE PROVIDED WITH WIRE GUARDS, PROTECT-A-LAMP COVERS OR EQUIVALENT SHIELDED OR SHATTERPROOF LAMPS/LIGHT SOURCES. COORDINATE REQUIREMENTS AND AFFECTED LIGHT FIXTURES WITH OWNER.

gould evans

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phoenix • san francisco

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EXPIRES 12/31/2020



Nov 9 2020

REVISIONS

Number	DESCRIPTION	DATE
1	Addendum 3	10.23.2020

PROJECT NO: 0119-0101
DATE: September 28, 2020

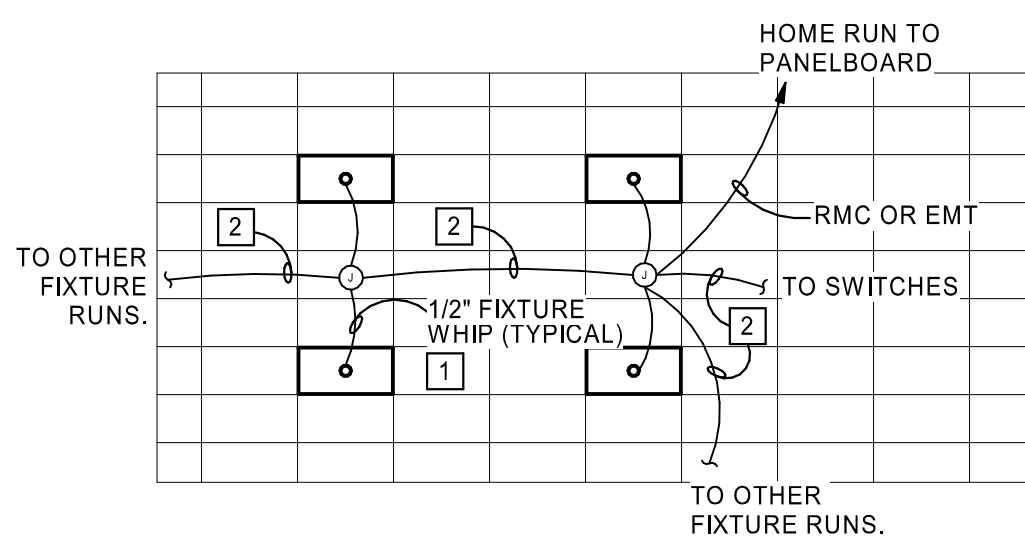
LIGHTING SCHEDULES

W-E700

BID SET

ELECTRICAL NOTES:

- PROVIDE SUFFICIENT LENGTH TO MOVE CENTER OF LUMINAIRE IN A 5'-0" RADIUS OF THE LOCATION SHOWN ON THE PLANS.
- RMC OR EMT (UNLESS TYPE MC CABLE IS ALLOWED BY SPECIFICATIONS, IF MORE THAN 4 CURRENT CARRYING CONDUCTORS INCLUDING NEUTRALS, MC CABLE IS NOT ALLOWED).



4 LIGHTING STANDARD LUMINAIRE WIRING
NTS

NOTES:

- REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR DEVICE AND EQUIPMENT SPECIFICATIONS.
- PROVIDE QUANTITY OF POWER PACKS AS REQUIRED BY MANUFACTURER TO SUPPORT QUANTITY OF SENSORS INDICATED ON PLANS.
- DETAIL IS DIAGRAMMATIC AND IS BASED ON WATTSTOPPER. THIS REPRESENTS THE GENERAL SCOPE OF WORK AND LOCATION OF DEVICES IN RELATION TO EACH OTHER ALONG THE POWER CIRCUIT. DIAGRAMS MAY BE DIFFERENT FOR ALLOWED EQUIVALENT MANUFACTURERS. ELECTRICAL CONTRACTOR SHALL COORDINATE FULL SYSTEM REQUIREMENTS WITH SELECTED MANUFACTURER. PROVIDE ALL PARTS AND PIECES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. REFER TO FINAL APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WIRING DIAGRAMS FOR INSTALLATION.
- CIRCUITING SHOWN ON THE PLAN CORRESPONDS TO THE LIGHTING CONTROL INTENT. IF CIRCUITING IS CHANGED IN THE FIELD, ENSURE THAT SYSTEM PROGRAMMING WITH REVISED CIRCUITING MEETS THE ORIGINAL LIGHTING CONTROL INTENT. UPDATE LIGHTING CONTROL PANEL SCHEDULES IN RECORD DRAWINGS.
- PROVIDE SYSTEM COMMISSIONING AS REQUIRED PER ENERGY CODE.

3 OCCUPANCY SENSOR DETAIL - MULTIPLE POWER SUPPLIES AND SWITCHES
NTS

NOTES:

- REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR DEVICE AND EQUIPMENT SPECIFICATIONS.
- PROVIDE QUANTITY OF POWER PACKS AS REQUIRED BY MANUFACTURER TO SUPPORT QUANTITY OF SENSORS INDICATED ON PLANS.
- DETAIL IS DIAGRAMMATIC AND IS BASED ON WATTSTOPPER. THIS REPRESENTS THE GENERAL SCOPE OF WORK AND LOCATION OF DEVICES IN RELATION TO EACH OTHER ALONG THE POWER CIRCUIT. DIAGRAMS MAY BE DIFFERENT FOR ALLOWED EQUIVALENT MANUFACTURERS. ELECTRICAL CONTRACTOR SHALL COORDINATE FULL SYSTEM REQUIREMENTS WITH SELECTED MANUFACTURER. PROVIDE ALL PARTS AND PIECES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. REFER TO FINAL APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WIRING DIAGRAMS FOR INSTALLATION.
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- PROVIDE SYSTEM COMMISSIONING AS REQUIRED PER ENERGY CODE.

2 OCCUPANCY SENSOR DETAIL - MULTIPLE POWER SUPPLIES AND SWITCHES
NTS

NOTES:

- REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR DEVICE AND EQUIPMENT SPECIFICATIONS.
- PROVIDE QUANTITY OF POWER PACKS AS REQUIRED BY MANUFACTURER TO SUPPORT QUANTITY OF SENSORS INDICATED ON PLANS.
- DETAIL IS DIAGRAMMATIC AND IS BASED ON WATTSTOPPER. THIS REPRESENTS THE GENERAL SCOPE OF WORK AND LOCATION OF DEVICES IN RELATION TO EACH OTHER ALONG THE POWER CIRCUIT. DIAGRAMS MAY BE DIFFERENT FOR ALLOWED EQUIVALENT MANUFACTURERS. ELECTRICAL CONTRACTOR SHALL COORDINATE FULL SYSTEM REQUIREMENTS WITH SELECTED MANUFACTURER. PROVIDE ALL PARTS AND PIECES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. REFER TO FINAL APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WIRING DIAGRAMS FOR INSTALLATION.
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- PROVIDE SYSTEM COMMISSIONING AS REQUIRED PER ENERGY CODE.

1 OCCUPANCY SENSOR DETAIL - SINGLE POWER SUPPLY AND SWITCH
NTS

TELECOM BACKBOARD (BOTTOM OF BACKBOARD)

LADDER RACK IN TELECOM ROOMS (BOTTOM OF DEVICE)

CABLE TRAY / CONDUIT AFC (BOTTOM OF PATHWAY)

LIGHT FIXTURE IN TELECOM ROOMS (BOTTOM OF DEVICE)

TELEPHONE WALL OUTLET (CENTERLINE)

DATA WALL OUTLET

TELEVISION OUTLET

TMGB/TGB (CENTERLINE)

WALL CLOCK (CENTERLINE)

INTERCOM (CENTERLINE)

4'

60"

3"(MIN)

48"

48"

48"

84"

84"

48"

USE THE DEFAULT MOUNTING HEIGHTS SHOWN ABOVE UNO IN THE CONSTRUCTION DOCUMENTS. MOUNTING HEIGHTS LISTED ARE ABOVE FINISHED FLOOR (AFF) OR ABOVE FINISHED GRADE (AFG) TO BOTTOM OF OUTLET BOX. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS.

ABBREVIATIONS

A

AMPERES

ADA

AMERICANS WITH DISABILITIES ACT

AFG

ABOVE FINISHED GRADE

AFF

ABOVE FINISHED FLOOR

ANJ

AUTHORITY HAVING JURISDICTION

ANSI

AMERICAN NATIONAL STANDARDS INSTITUTE

AP

ACCESS POINT

AV

AUDIO-VIDEO

AWS

AMERICAN WIRE GAUGE

BAS

BUILDING AUTOMATION SYSTEM

BD

BUILDING DISTRIBUTOR

BDF

BUILDING DISTRIBUTION FRAME

BFC

BUILDING FINISHED CILING

C

CONDUIT

CAT

CATEGORY

CATV

COMMUNITY ANTENNA TELEVISION

CCTV

CLOSED CIRCUIT TELEVISION

CD

CAMPUS DISTRIBUTOR

CMP

COMMUNICATIONS PLENUM

CMR

COMMUNICATIONS RISER

DAS

DISTRIBUTED ANTENNA SYSTEM

dB

DECIBELS

DEMO

DEMOLITION

(E)

EXISTING

EC

ELECTRICAL CONTRACTOR

ECIA

ELECTRONIC COMPONENTS INDUSTRY ASSOCIATION

EMI

ELECTROMAGNETIC INTERFERENCE

EMS

ENERGY MANAGEMENT SYSTEM

EMT

ELECTRICAL METALLIC TUBING

ER

EQUIPMENT ROOM

FAAP

EXISTING TO REMAIN

FACP

FIRE ALARM ANNUNCIATOR PANEL

FACP

FIRE ALARM CONTROL PANEL

FD

FLOOR DISTRIBUTOR

FMC

FLEXIBLE METAL CONDUIT

FS

FIRE STOP SYSTEM

FLR

FLOOR

FUTP

SCREEN TWISTED PAIR (SHIELDED)

GC

GENERAL CONTRACTOR

GE

GROUNDING EQUALIZER

GYP

GYPSUM BOARD

HC

HORIZONTAL CROSS-CONNECT

HCM

HORIZONTAL CABLE

HM

HAND HOLE

Hz

HERTZ

IMC

INTERMEDIATE METAL CONDUIT

IP

INTERNET PROTOCOL

ISP

INTERNET SERVICE PROVIDER

ISP

INSIDE PLANT CABLE

JB

JUNCTION BOX

J-BOX

JUNCTION BOX

LAN

LOCAL AREA NETWORK

LCC

LIMITED COMBUSTIBLE CABLE

LEC

LOCAL EXCHANGE CARRIER

LED

LIGHT-EMITTING DIODE

LF

LINEAR FEET

MAN

METROPOLITAN AREA NETWORK

MATV

MASTER ANTENNA TELEVISION

MC

MAIN CROSS-CONNECT

MDF

MAIN DISTRIBUTION FRAME

MFR

MANUFACTURER

MH

MAINTENANCE HOLE

MM

MULTIMODE

MPCE

MAIN POINT OF ENTRANCE

MPOR

MAIN POINT OF PRESENCE

MTD

MOUNTED

NIA

NOT APPLICABLE

NEC

NATIONAL ELECTRICAL CODE

NFPA

NATIONAL FIRE PROTECTION ASSOCIATION

NOT IN CONTRACT

nm

NAMOMETER

nrtl

NATIONALLY RECOGNIZED TESTING LABORATORY

OC

ON CENTER

OSHA

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

OSP

OUTSIDE PLANT

PBX

PRIVATE BRANCH EXCHANGE

POE

POWER OVER ETHERNET

PON

PASSIVE OPTICAL NETWORK

POTS

PLAIN OLD TELEPHONE SERVICE

PSTN

PUBLIC SWITCHED TELEPHONE NETWORK

QTY

QUANTITY

RCDD

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER

RMC

RIGID METAL CONDUIT

RU

RACK UNIT

SCS

STRUCTURED CABLING SYSTEM

SF

SQUARE FEET

SM

SINGLEMODE

SPECS

SPECIFICATIONS

TBB

TELECOMMUNICATIONS BONDING BACKBONE

TBD

TO BE DETERMINED

TIA

TELECOMMUNICATIONS INDUSTRY ASSOCIATION

TGB

TELECOMMUNICATIONS GROUND BUS BAR

TMGB

TELECOMMUNICATIONS MAIN GROUND BUS BAR

TR

TELECOMMUNICATIONS ROOM

TYP

TYPICAL

UNO

UNLESS NOTED OTHERWISE

UNDERWRITER

LABORATORIES, INC.

UPS

UNINTERRUPTIBLE POWER SUPPLY

UI/UTP

UNSHIELDED TWISTED PAIR

V

VOLT(S)

VCM

VERTICAL CABLE MANAGER

W

WIRE

WAN

WIDE AREA NETWORK

WAO

WORK AREA OUTLET

WAP

WIRELESS ACCESS POINT

WP

WEATHER PROOF

WRP

WEATHER RESISTANT

WT

WATERTIGHT

XP

EXPLOSION-PROOF

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EMS

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EMT

ELECTRICAL METALLIC TUBING

ER

EQUIPMENT ROOM

FAAP

EXISTING TO REMAIN

FACP

FIRE ALARM ANNUNCIATOR PANEL

FACP

FIRE ALARM CONTROL PANEL

FD

FLOOR DISTRIBUTOR

FMC

FLEXIBLE METAL CONDUIT

FS

FIRE STOP SYSTEM

FLR

FLOOR

FUTP

SCREEN TWISTED PAIR (SHIELDED)

GC

GENERAL CONTRACTOR

GE

GROUNDING EQUALIZER

GYP

GYPSUM BOARD

HC

HORIZONTAL CROSS-CONNECT

HCM

HORIZONTAL CABLE

HM

HAND HOLE

Hz

HERTZ

IMC

INTERMEDIATE METAL CONDUIT

IP

INTERNET PROTOCOL

ISP

INTERNET SERVICE PROVIDER

ISP

INSIDE PLANT CABLE

JB

JUNCTION BOX

J-BOX

JUNCTION BOX

LAN

LOCAL AREA NETWORK

LCC

LIMITED COMBUSTIBLE CABLE

LEC

LOCAL EXCHANGE CARRIER

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LIGHT-EMITTING DIODE

LF

LINEAR FEET

MAN

METROPOLITAN AREA NETWORK

MATV

MASTER ANTENNA TELEVISION

MC

MAIN CROSS-CONNECT

MDF

MAIN DISTRIBUTION FRAME

MFR

MANUFACTURER

MH

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MM

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NFPA

NATIONAL FIRE PROTECTION ASSOCIATION

NOT IN CONTRACT

nm

NAMOMETER

nrtl

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OC

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OSHA

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

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OUTSIDE PLANT

PBX

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POE

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PON

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QTY

QUANTITY

RCDD

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER

RMC

RIGID METAL CONDUIT

RU

RACK UNIT

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TELECOMMUNICATIONS BONDING BACKBONE

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TO BE DETERMINED

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UNDERWRITER

LABORATORIES, INC.

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UI/UTP

UNSHIELDED TWISTED PAIR

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VCM

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W

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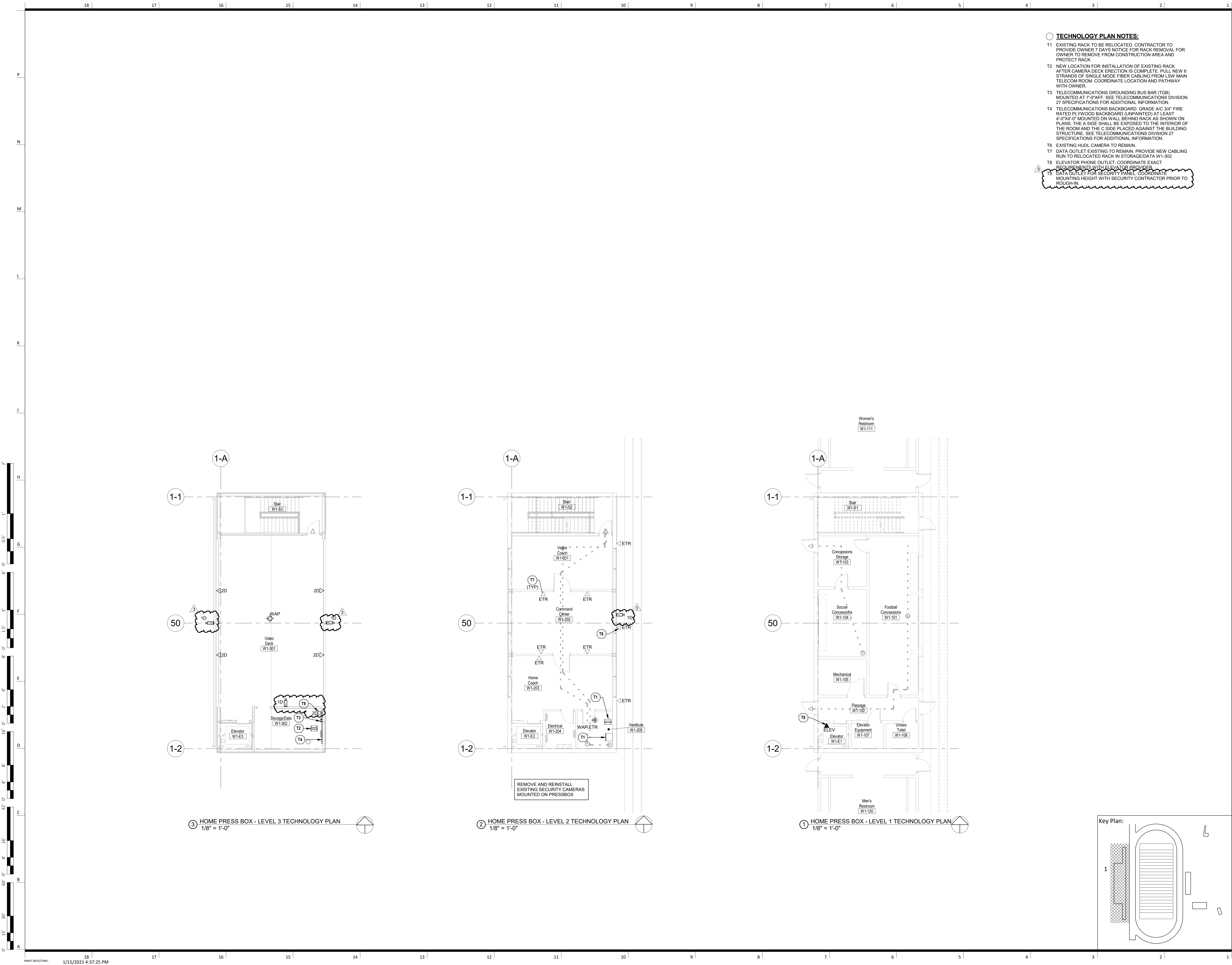
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</



- TECHNOLOGY PLAN NOTES:**
- T1 EXISTING RACK TO BE RELOCATED. CONTRACTOR TO PROVIDE OWNER 7 DAYS NOTICE FOR RACK REMOVAL FOR OWNER TO REMOVE FROM CONSTRUCTION AREA AND PROTECT RACK.
 - T2 NEW LOCATION FOR INSTALLATION OF EXISTING RACK AFTER CAMERA DECK ERECTION IS COMPLETE. PULL NEW 6 STRANDS OF SINGLE MODE FIBER CABLE FROM LSW MAIN TELECOM ROOM. COORDINATE LOCATION AND PATHWAY WITH OWNER.
 - T3 TELECOMMUNICATIONS GROUNDING BUS BAR (TGB) MOUNTED AT 7'-0" AFF. SEE TELECOMMUNICATIONS DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - T4 TELECOMMUNICATIONS BACKBOARD. GRADE A/C 3/4" FIRE RATED PLYWOOD BACKBOARD (UNPAINTED) AT LEAST 4'-0"x4'-0" MOUNTED ON WALL BEHIND RACK AS SHOWN ON PLANS. THE A SIDE SHALL BE EXPOSED TO THE INTERIOR OF THE ROOM AND THE C SIDE PLACED AGAINST THE BUILDING STRUCTURE. SEE TELECOMMUNICATIONS DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 - T6 EXISTING HUDL CAMERA TO REMAIN.
 - T7 DATA OUTLET EXISTING TO REMAIN. PROVIDE NEW CABLING RUN TO RELOCATED RACK IN STORAGE/DATA W1-302.
 - T8 ELEVATOR PHONE OUTLET. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR PROVIDER.
 - T9 DATA OUTLET FOR SECURITY PANEL. COORDINATE MOUNTING HEIGHT WITH SECURITY CONTRACTOR PRIOR TO ROUGH-IN.

Lee's Summit R7 District Athletics Facilities

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Lee's Summit, MO 64082

owner:
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Lee's Summit, MO 64086

architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.goulddevans.com

structural engineer:
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civil engineer:
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WWW.HENDERSONENGINEERS.COM
205003134
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2021

REVISIONS

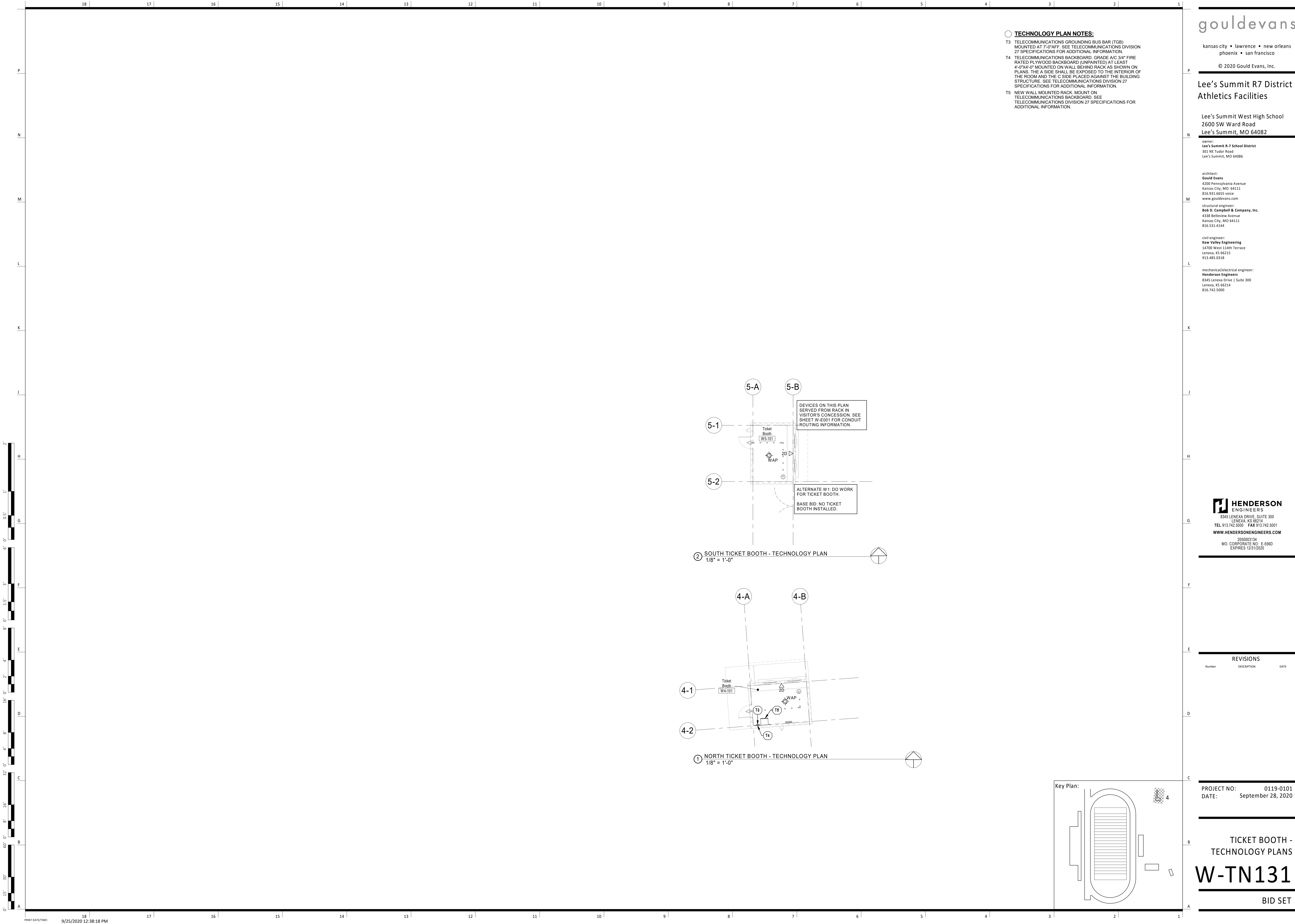
NUMBER	DESCRIPTION	DATE
3	PR 03	01.15.2021

PROJECT NO: 0119-0101
DATE: September 28, 2020

HOME PRESS BOX - TECHNOLOGY PLANS

W-TN111

BID SET



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TICKET BOOTH -
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W-TN131

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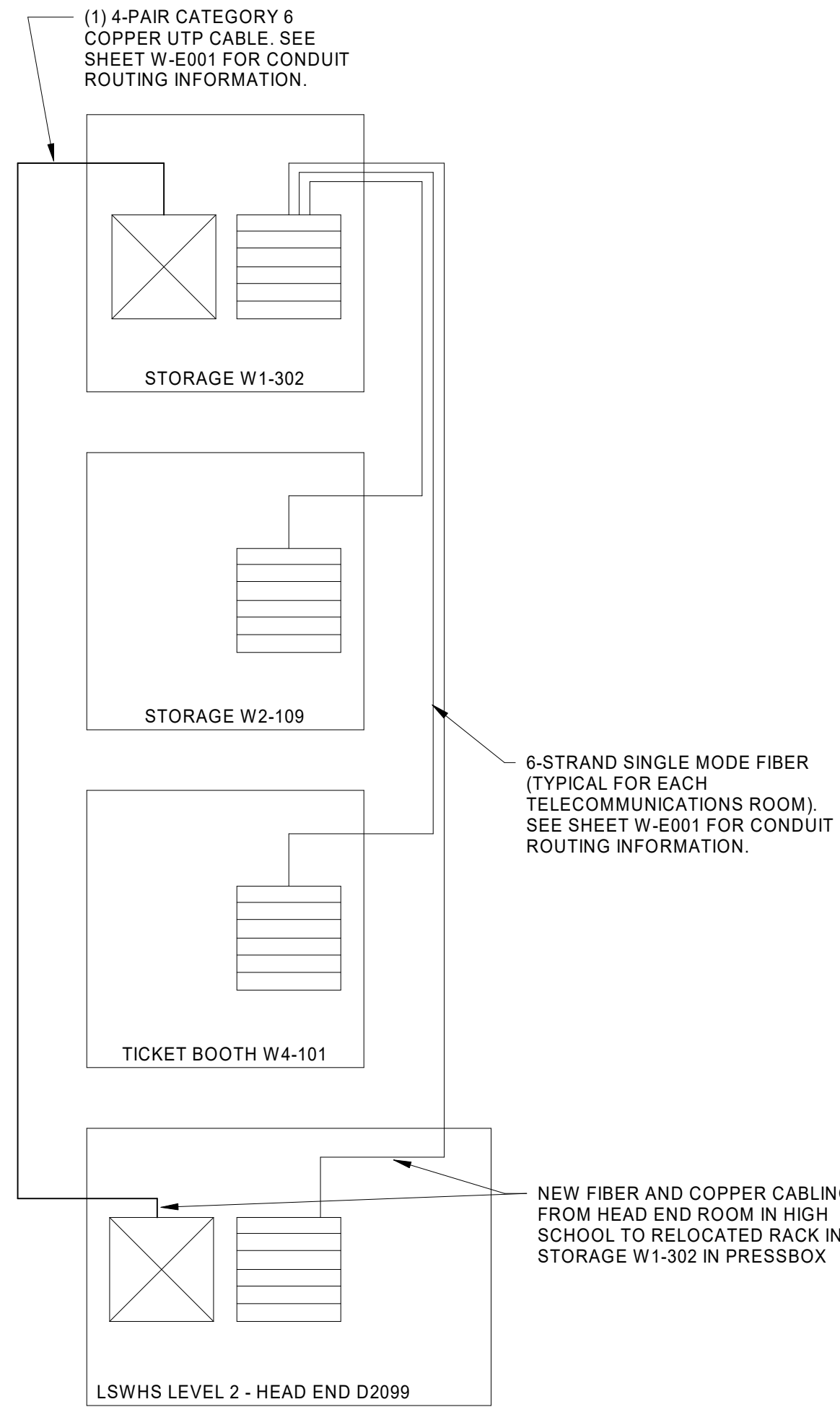
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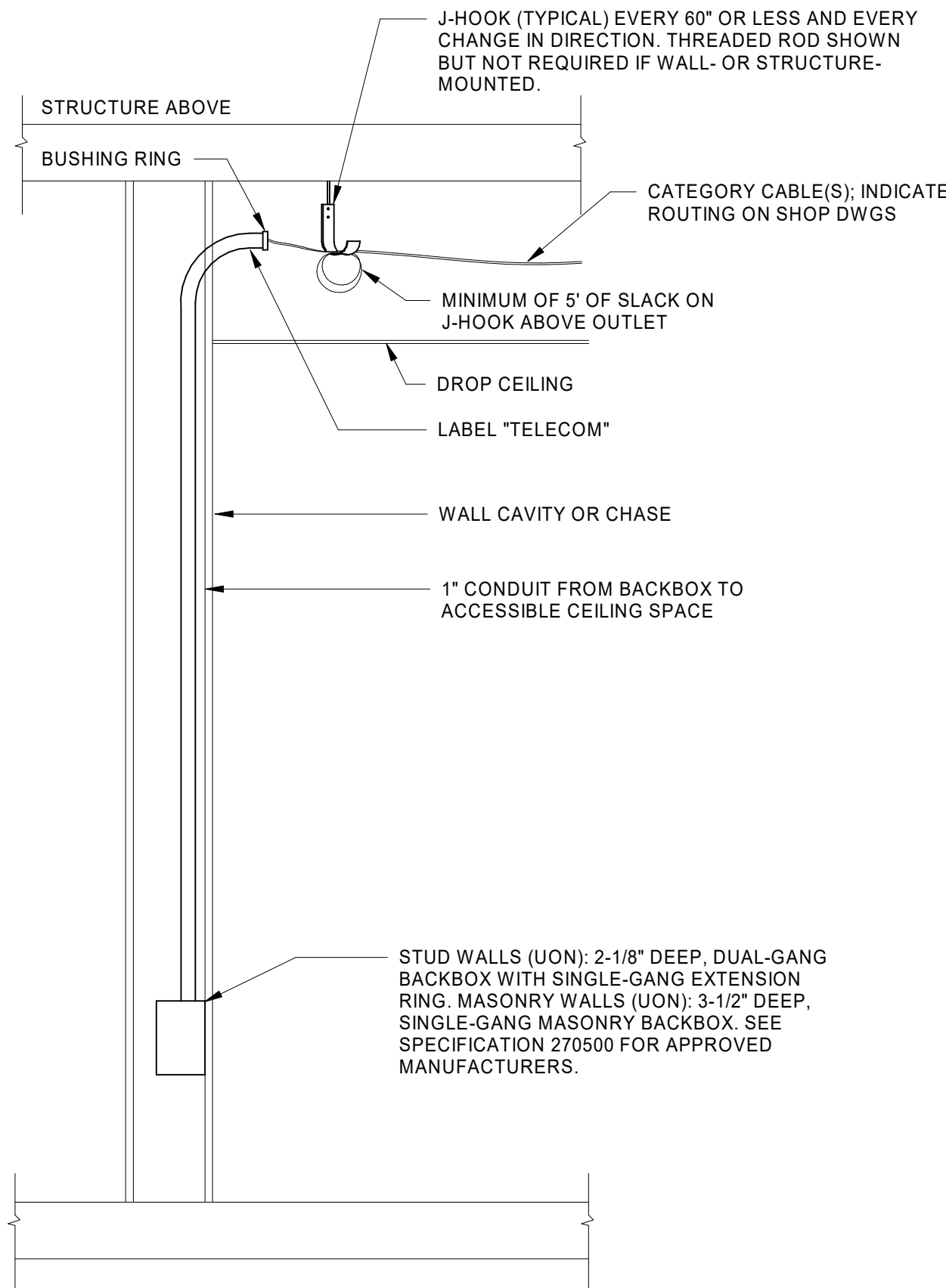
TECHNOLOGY DETAILS

W-TN500

BID SET

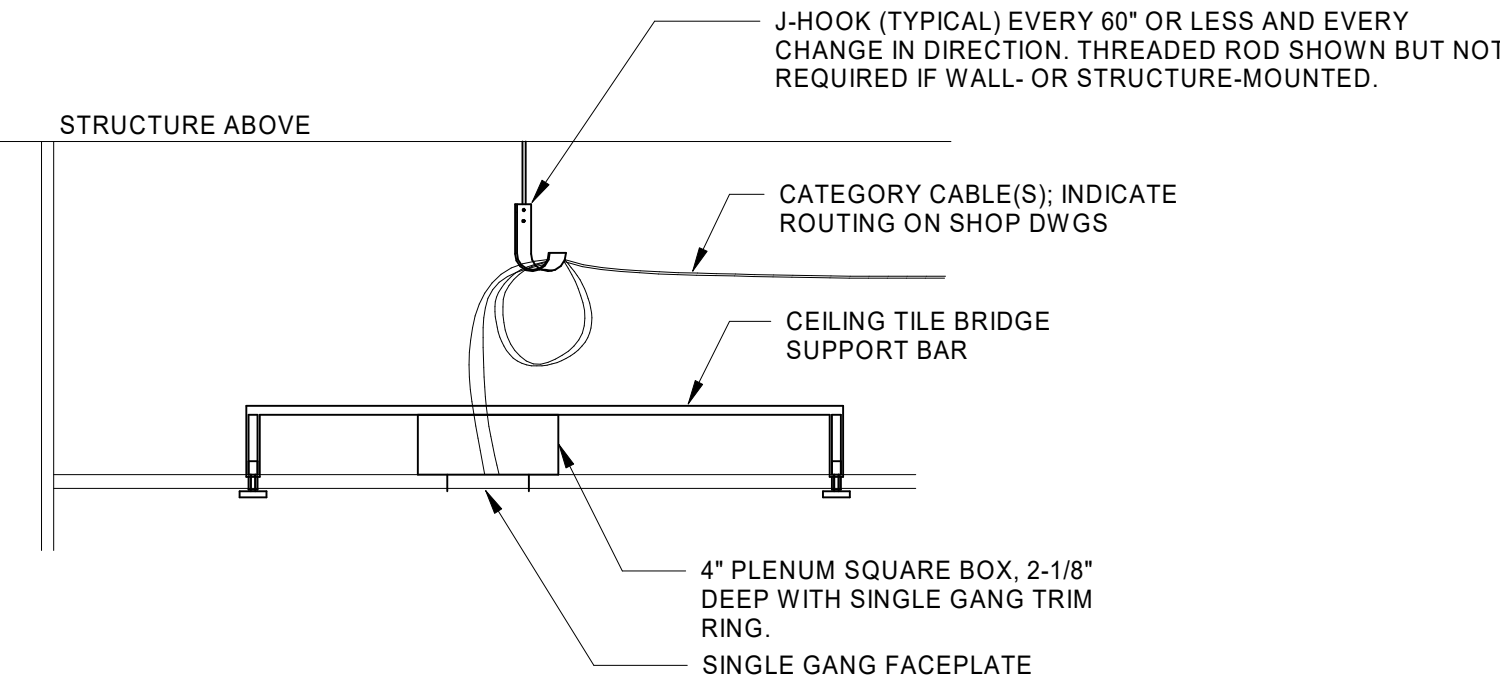


1 RISER DIAGRAM - BACKBONE CABLES
NTS

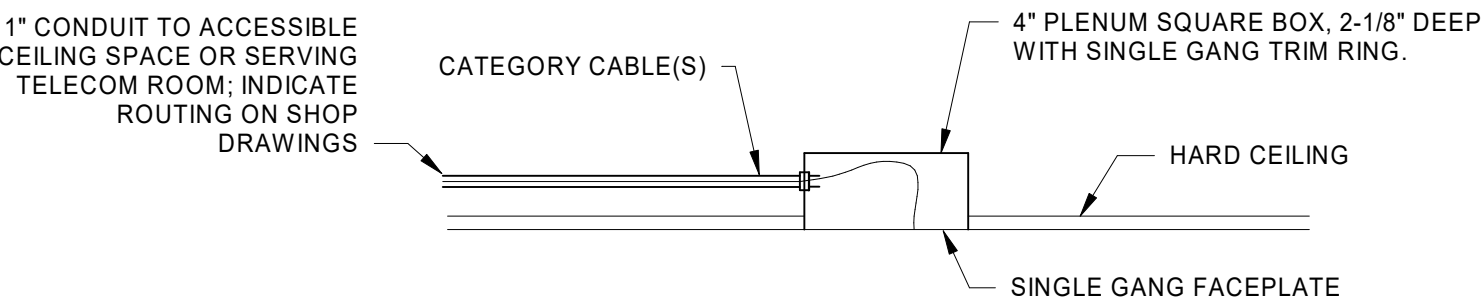


2 COMMUNICATIONS OUTLET MOUNTING
NTS

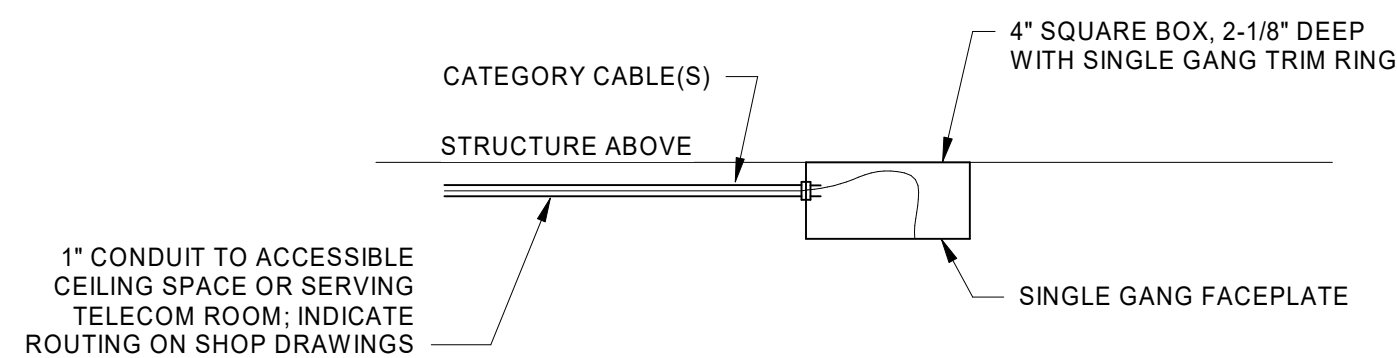
FOR OUTLETS IN SUSPENDED CEILING TILES



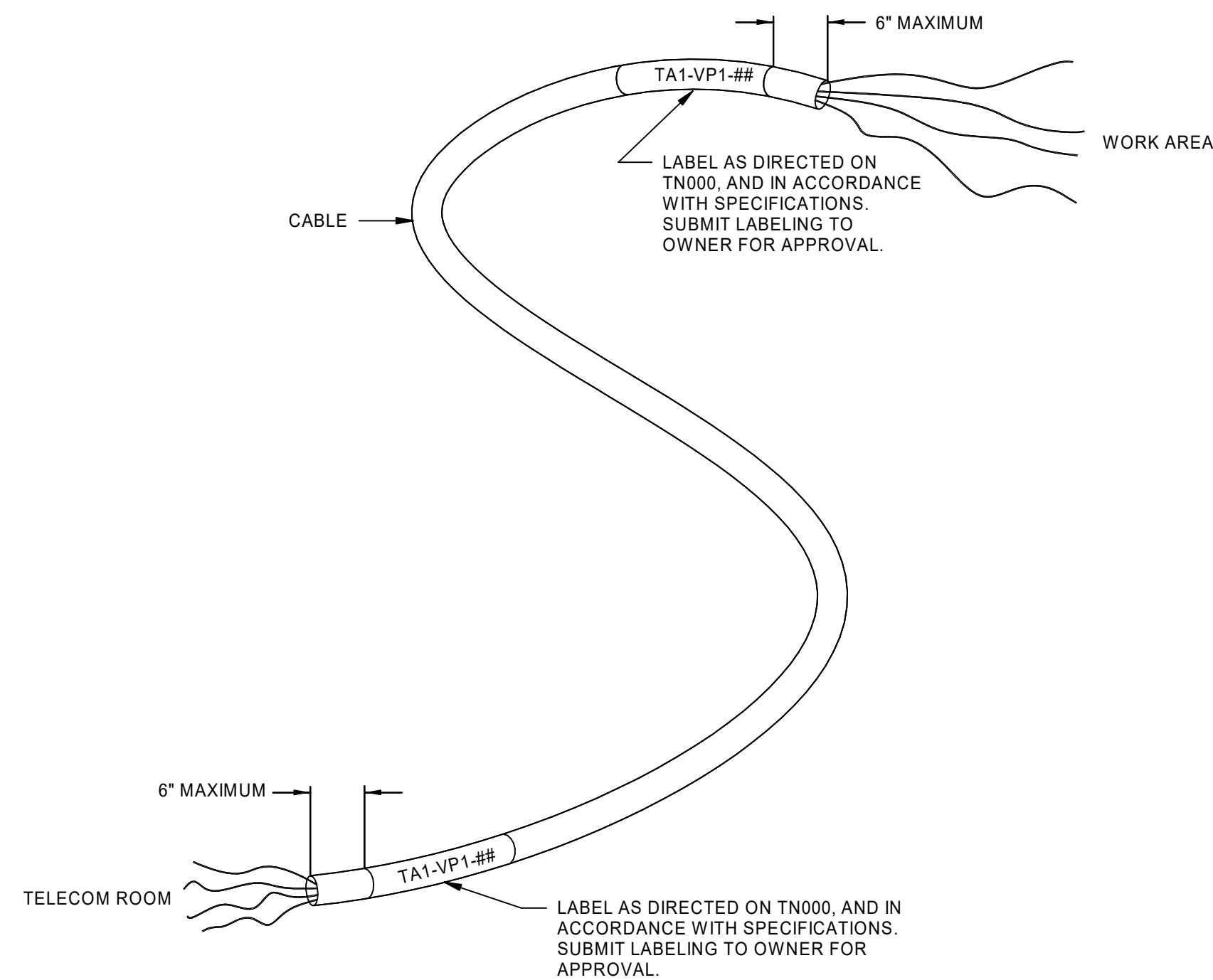
FOR OUTLETS IN GYPSUM BOARD CEILINGS



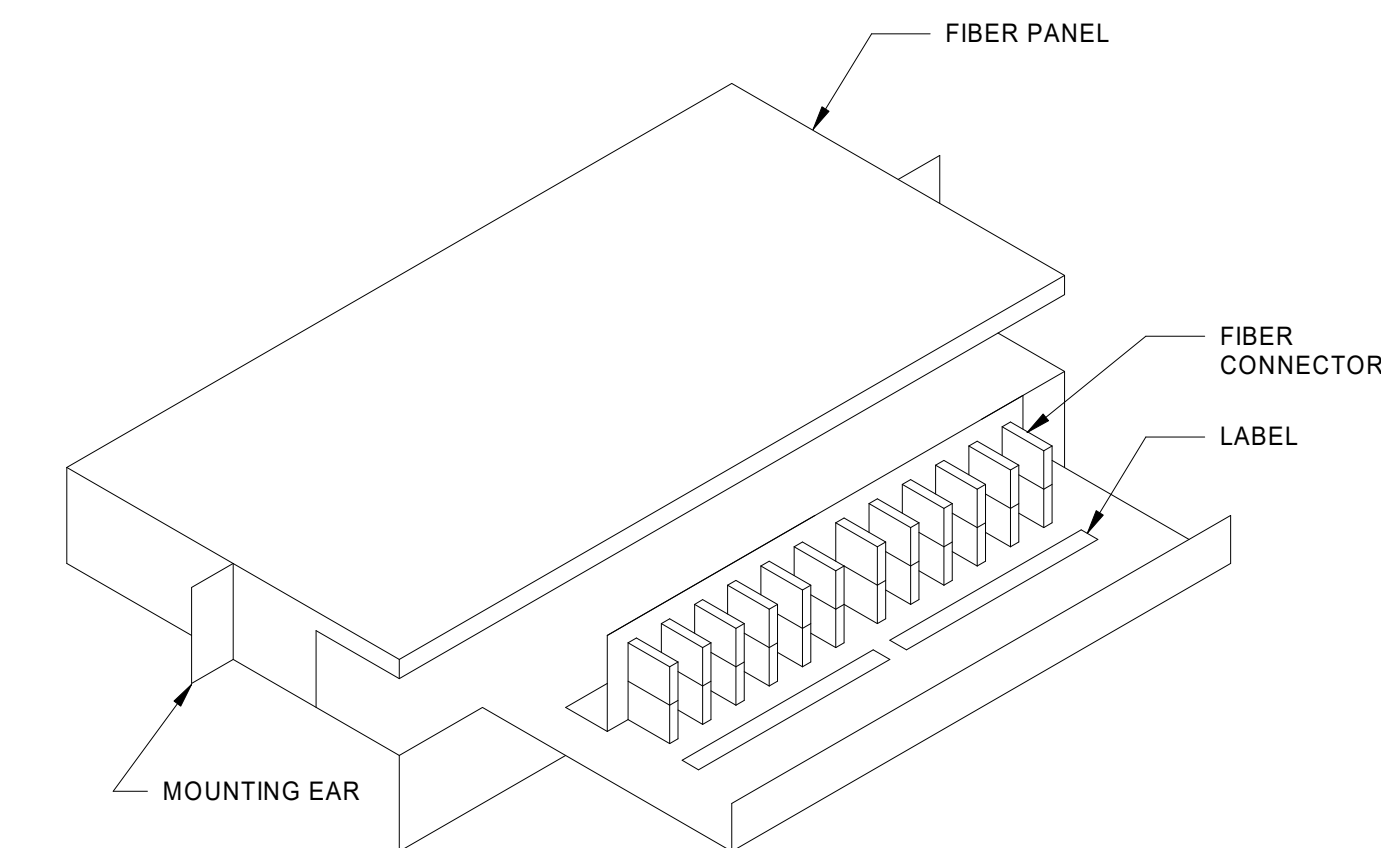
FOR OUTLETS IN EXPOSED TO STRUCTURE AREAS



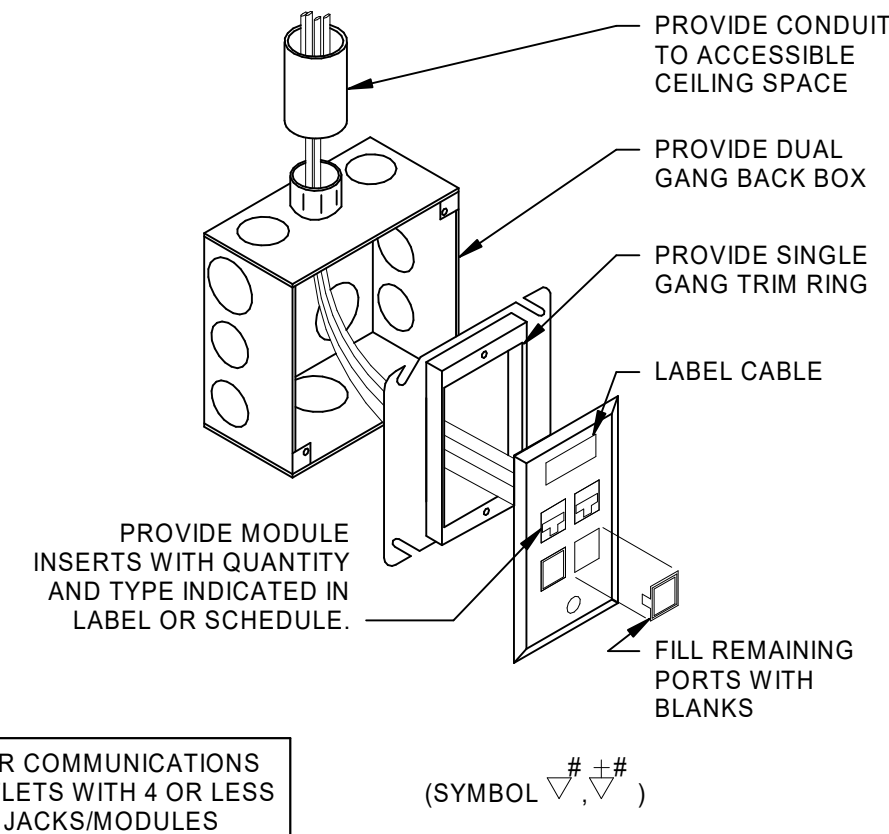
3 CEILING COMM OUTLET 2D
NTS



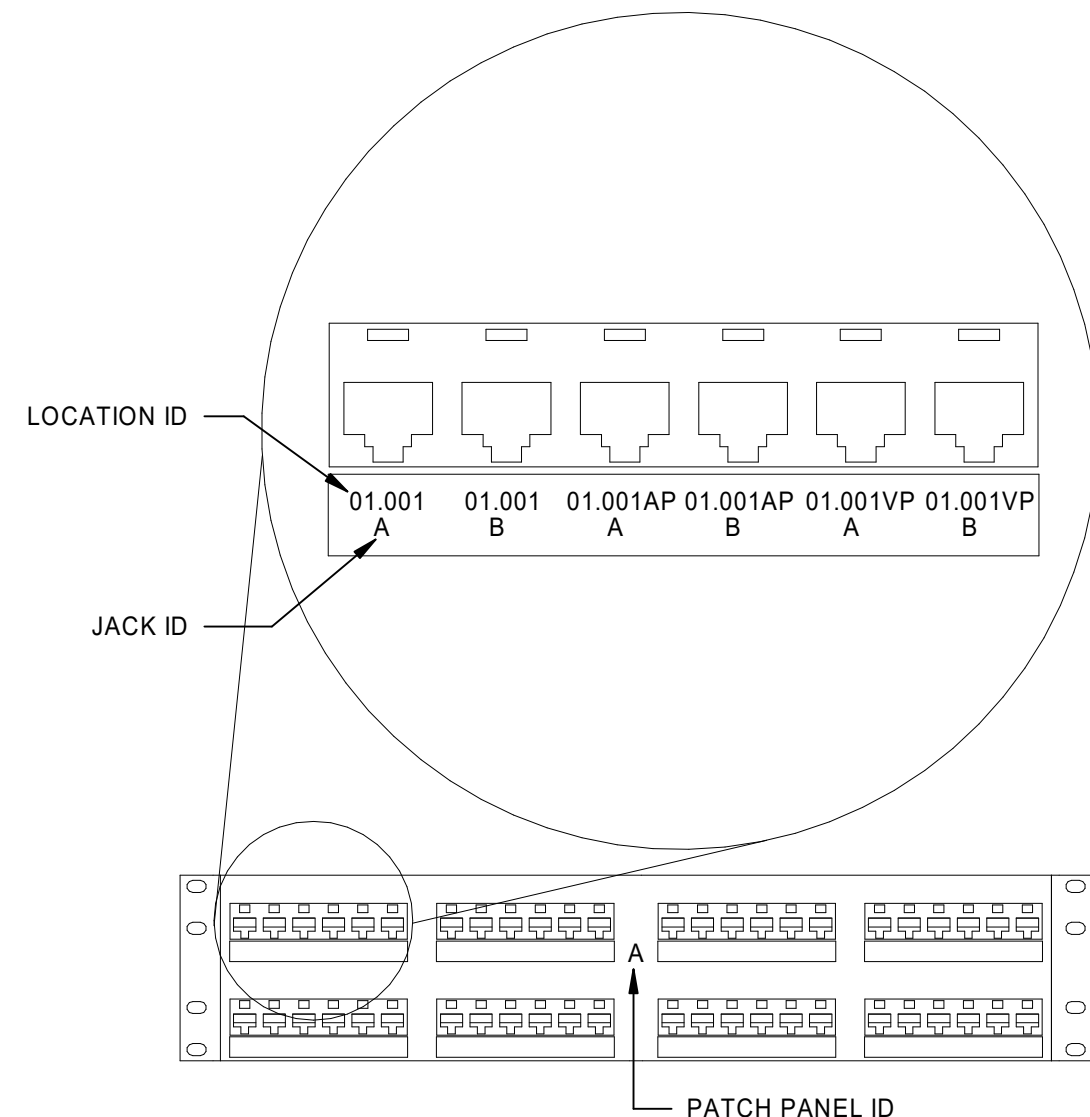
4 LABELING OF HORIZONTAL CABLE
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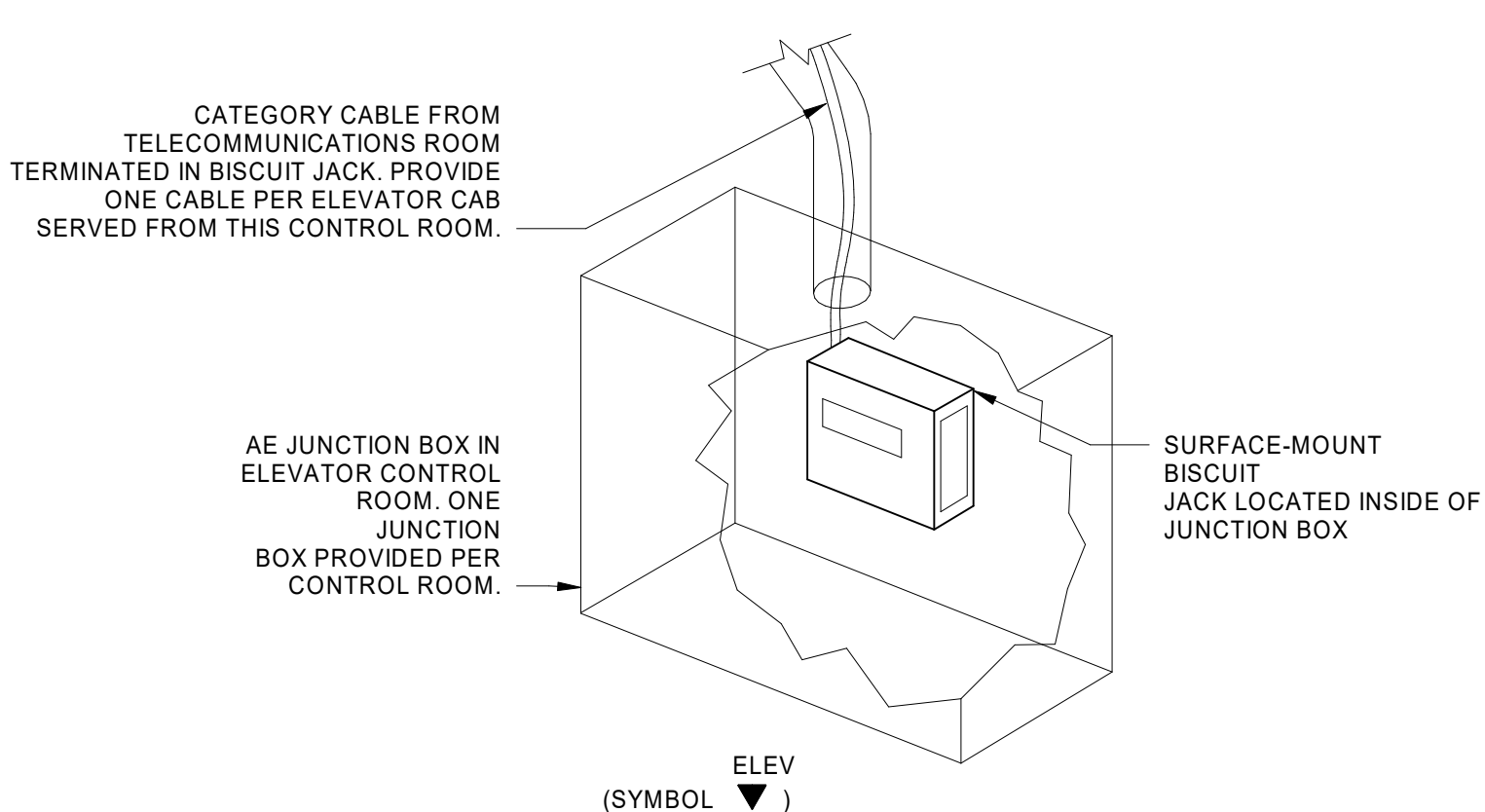
5 FIBER PANEL
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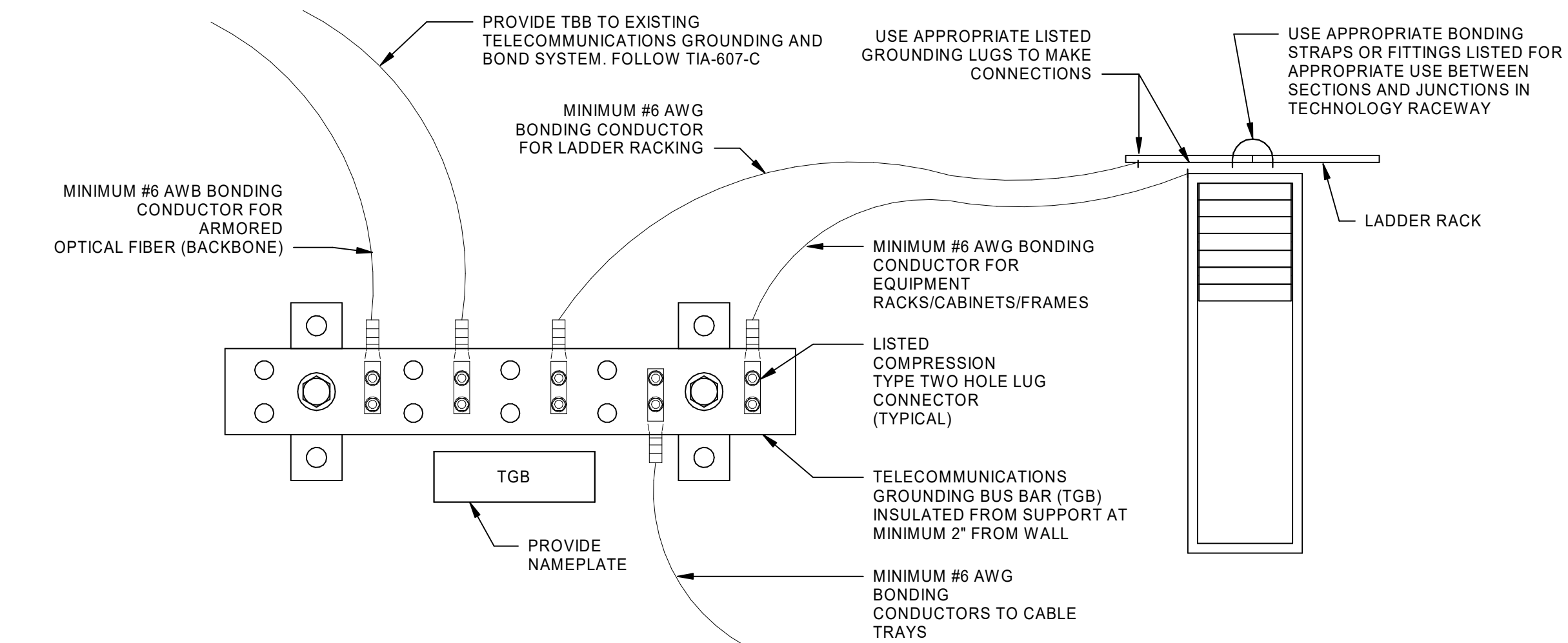
6 SINGLE GANG COMM OUTLET (3D)
NTS



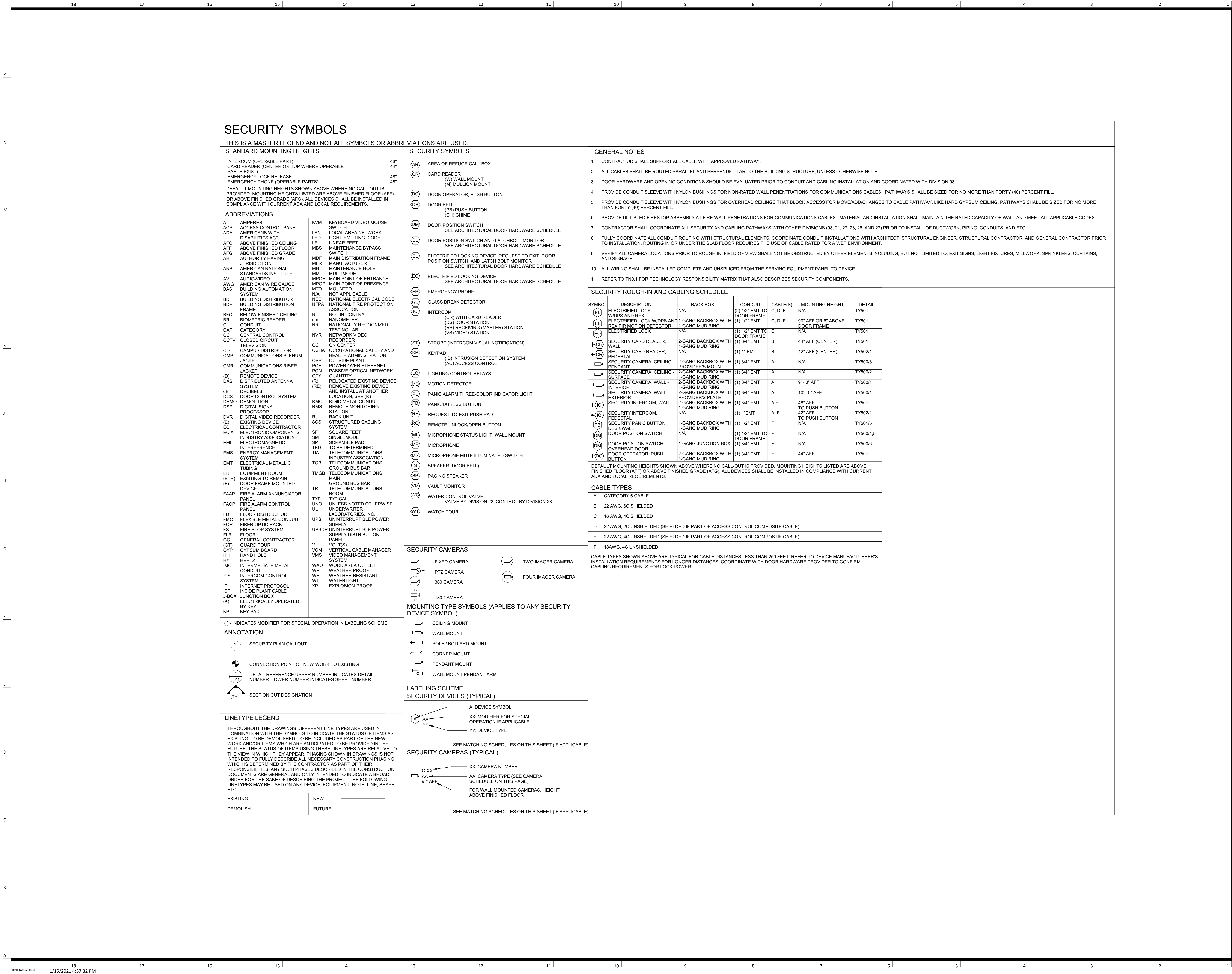
7 TYPICAL PATCH PANEL LABELING DETAIL
NTS



8 COMM OUTLET FOR ELEVATOR - LAND LINE
12" = 1'-0"



9 TGB CONNECTIONS DIAGRAM
NTS



Lee's Summit R7 District
Athletics Facilities

Lee's Summit West High School
2600 SW Ward Road
Lee's Summit, MO 64082

owner:
Lee's Summit R7 School District
301 NE Tudor Road
Lee's Summit, MO 64086

architect:
Gould Evans
4200 Pennsylvania Avenue
Kansas City, MO 64111
816.931.6655 voice
www.goulddevans.com

structural engineer:
Bob D. Campbell & Company, Inc.
4338 Bellevue Avenue
Kansas City, MO 64111
816.331.4144

civil engineer:
Kaw Valley Engineering
14700 West 134th Terrace
Lenexa, KS 66215
913.485.0318

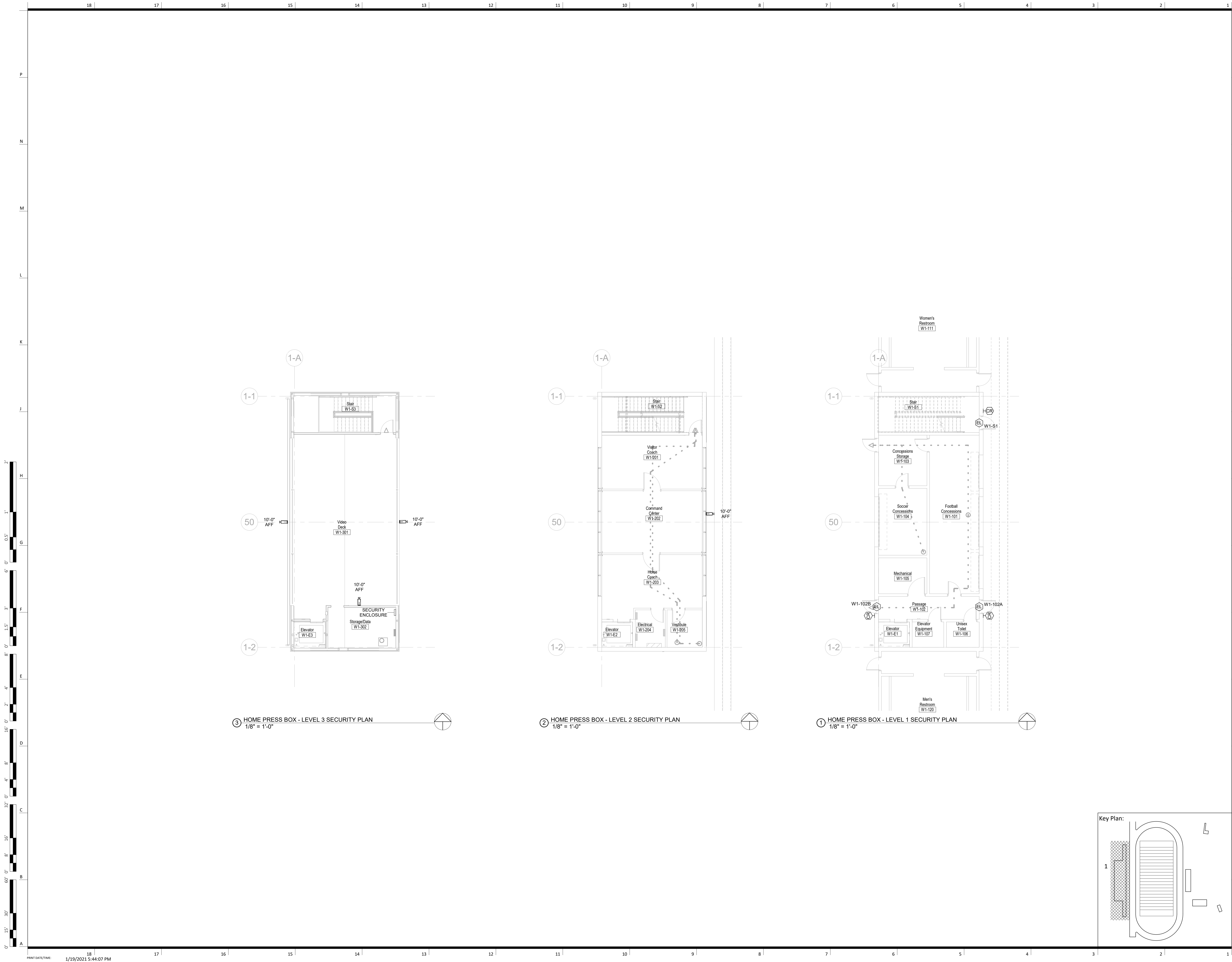
mechanical/electrical engineer:
Henderson Engineers
8345 Lenexa Drive | Suite 300
Lenexa, KS 66214
816.742.5000

HENDERSON
ENGINEERS
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LENEXA, KS 66214
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WWW.HENDERSONENGINEERS.COM
2050003134
MO. CORPORATE NO. E-5560
EXPIRES 12/31/2021

REVISIONS		
NUMBER	DESCRIPTION	DATE
3	PR 01	01.15.2021

PROJECT NO: 0119-0101
DATE: September 28, 2020

SECURITY GENERAL
NOTES AND LEGEND
W-TY000
BID SET



Lee's Summit R7 District
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205003134
MO. CORPORATE NO. E-556D
EXPIRES 12/31/2021

REVISIONS

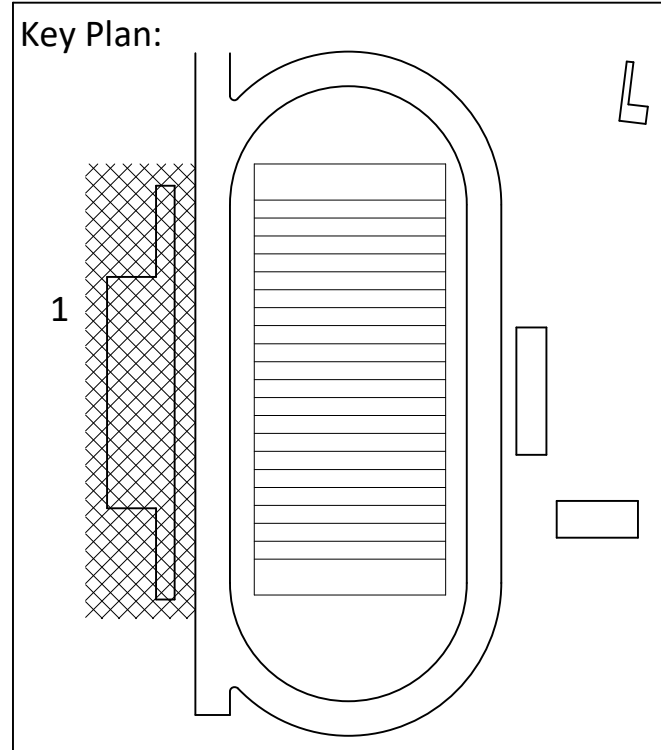
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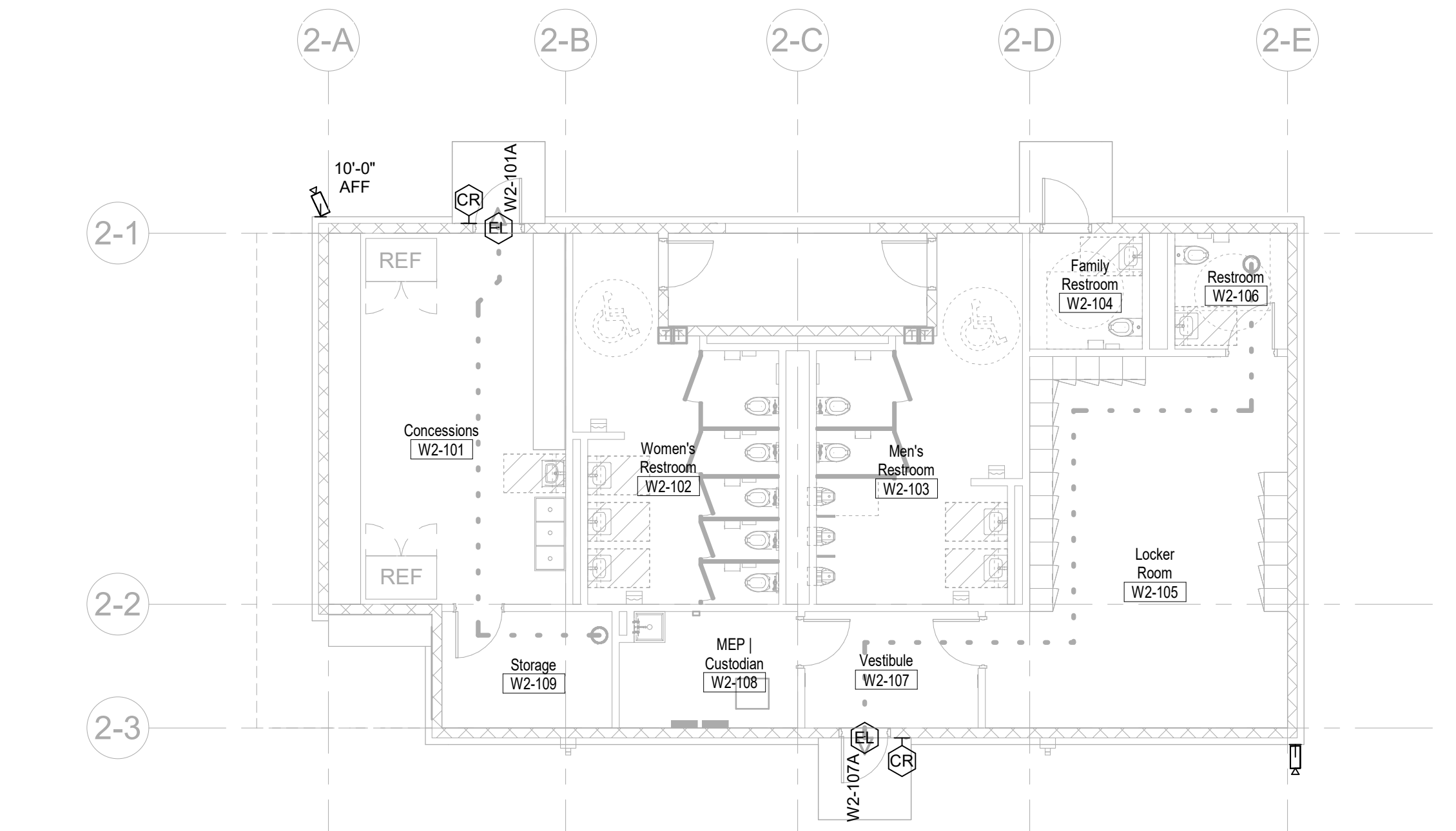
PROJECT NO: 0119-0101
DATE: September 28, 2020

HOME PRESS BOX -
SECURITY PLANS

W-TY111

BID SET





① VISITOR RESTROOMS/CONCESSIONS - SECURITY PLAN
1/8" = 1'-0"

Lee's Summit R7 District Athletics Facilities

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REVISIONS

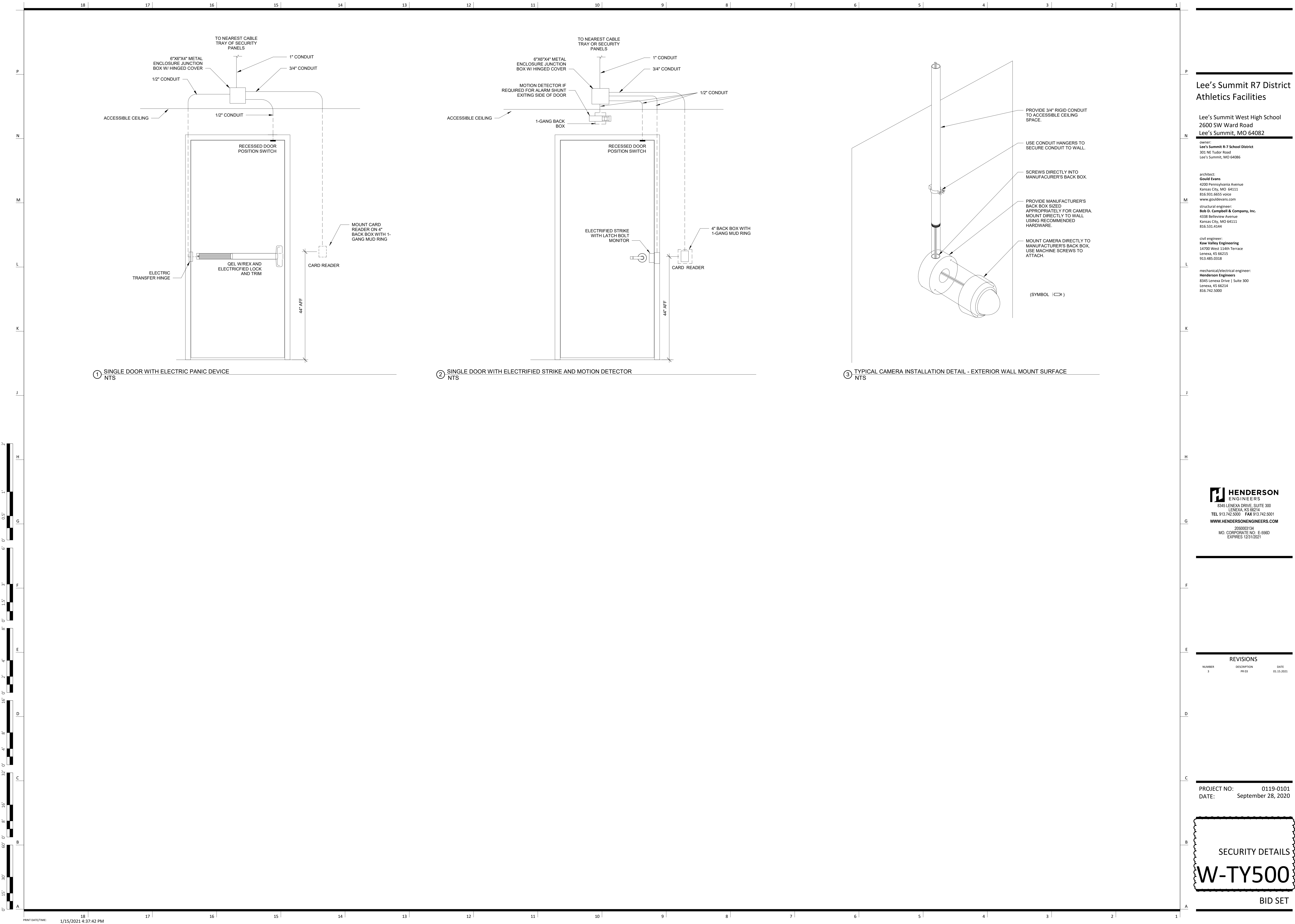
NUMBER	DESCRIPTION	DATE
3	PR 03	01.15.2021

PROJECT NO: 0119-0101
DATE: September 28, 2020

VISITOR RESTROOMS
& CONCESSIONS -
SECURITY PLAN

W-TY121

BID SET



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EXPIRES 12/31/2021

REVISIONS		
NUMBER	DESCRIPTION	DATE
3	PR 03	01.15.2021

PROJECT NO: 0119-0101
DATE: September 28, 2020

SECURITY DETAILS
W-TY500

BID SET